

## MINUTES OF PREBID MEETING FOR PACKAGE B & C

<b>MINUTES OF PRE-BID MEETING (VIDEO CONFERENCE) HELD ON:</b>	<b>10.06.2020</b>
<b>NAME OF THE PROJECT</b>	<b>ASSAM INTRA-STATE TRANSMISSION SYSTEM ENHANCEMENT PROJECTS</b>
<b>FUNDING AGENCY</b>	<b>ASIAN INFRASTRUTURE INVESTMENT BANK (AIIB)</b>
	<b>1. CONSTRUCTION OF 220/33 KV, 2X100 MVA GIS AT TWO LOCATIONS (NAGAON-2 &amp; CHAYGAON) AND ASSOCIATED LINES (PACKAGE-B)</b>
	<b>2. CONSTRUCTION OF 132/33 KV, 2X50 MVA GIS AT LOCATION (BURHIGAON) AND ITS ASSOCIATED LINES (PACKAGE-C)</b>
<b>BID NO. NCB</b>	<b>AEGCL/MD/AIIB/PACKAGE-A/2020/02-B</b>
	<b>AEGCL/MD/AIIB/PACKAGE-A/2020/02-C</b>

### **NAMES OF THOSE PRESENT:**

#### **1. FROM EMPLOYER:**

- 1.Sri. H.K Bujar Baruah, Chief General Manager (PP&D), AEGCL, Paltanbazar, Guwahati-01.
- 2.Sri. H. Kakati, General Manager (Projects), AEGCL, Paltanbazar, Guwahati-01.
- 3.Sri. H. Baishya, Deputy General Manager (P&E), AEGCL, Narengi.
- 4.Sri. G. K. Bhuyan, Deputy General Manager (O&M), AEGCL, Paltanbazar, Guwahati-01.
5. Sri. P. Bora, Deputy General Manager-I, O/o the MD, AEGCL, Paltanbazar, Guwahati-01.
6. Sri. S. Singha, Deputy General Manager-II, O/o the MD, AEGCL, Paltanbazar, Guwahati-01.
7. Sri. B. Bordoloi, Assistant General Manager-II, O/o the MD, AEGCL, Paltanbazar, Guwahati-01.
8. Sri. D. Chanda, Assistant General Manager-I, O/o the MD, AEGCL, Paltanbazar, Guwahati-01.
9. Sri. A. Bhattacharjee, Assistant General Manager (P&E), AEGCL, Narengi.
10. Sri. K. N. Baishya, Assistant General Manager (F&A), AEGCL, Paltanbazar, Guwahati-01.
11. Smt. P. Gogoi, Deputy Manager, O/o the MD, AEGCL, Paltanbazar, Guwahati-01.
12. Sri. B. K. Dutta, Assistant Manager (P&E), AEGCL, Narengi.
13. Smt. K. Buragohain, Junior Manager, O/o the MD, AEGCL, Paltanbazar, Guwahati-01.
14. Sri. P. Darshan, Junior Manager, O/o the MD, AEGCL, Paltanbazar, Guwahati-01.
15. Sri. D. J. Baruah, E&S Safeguard Specialist.

## **2. FROM PROSPECTIVE BIDDERS:**

### **A. BIDDERS THAT WERE PRESENT AT THE PRE-BID MEETING:**

1. Mr. Dhruv Goel, Mr. N C Pandey (Head- BD & Marketing), Mr. Anoop Dikshit and Mr. Nitin Kumar Jain, R S INFRAPROJECTS PVT. LTD.
2. Reshmi Dey and Avik Chatterjee, STERLING AND WILSON, Associates of Shapoorji Pallonji & Co. Pvt. Ltd., Universal Majestic, 9th Floor, P.L. Lokhande Marg, Chembur (W), Mumbai-400043
3. Sanjay Chakravartty (V), Shikha Chauhan, Vibhanshu Srivastava (Assistant Manager| Marketing & Business Development), M. Ramanna and Durga Prasad Kulhari, KEC International Limited, 8th Floor | Building 9A | DLF Ph III |Gurgaon-122002 (HR).
4. Mr.Sukumar Paria, Mr.Samarjit N Chowdhury, Mr.Debasish Raha, Mr.Mohit Sharma, Mr.Ravi Garg and Mr.Anindya Datta (Manager-Sales), M/S SIEMENS LTD., RC-IN GP EPC TS S 43, Shanti Palli, Rashbihari, Kolkata 700042.
5. J P Khetan (Managing Director), T R Sharma (Director Technical), Bhojraj (CGM), Payal Khadria (CEO) and Shantanu Dev, NECCON POWER & INFRA LIMITED, Seuni Ali, AT Road, Jorhat-785001.
6. TOSHIBA T & D SYSTEMS (I) PVT. LTD., EPC Division,Regency Classic Building,3rd Floor,Jayabheri Enclave,Gachibowli, Hyderabad-500 032
7. Mr. Ajay Kohli (President-Mktg.), Mr. Praveen Kumar (Regional Manager-East), Mr. Neeraj Mittal (Asst. General Manager), KANO HAR ELECTRICALS LIMITED, Rithani, Delhi Road, Meerut-250 103, U.P. (India).
8. A K Chamoli, General Manager (Contracts & Tendering), Mr. Rajneesh Kumar, Mr. Prem Bhushan Gupta and Mr. Kunal Kumar SHYAMA POWER INDIA LIMITED, Plot No. 49, Sector-44, Gurgaon - 122002, Haryana, India.
9. N.M Balajee, Arun R., Suresh E, Sridghar G. and Mitul Roy, L&T CONSTRUCTION POWER TRANSMISSION AND DISTRIBUTION, TC-3, B-Block, 7th Floor, B-Wing, SSBU, Mount Poonamallee Road, Manapakkam, Chennai - 600 089
- 10.Nirmal Dutta (Deputy General Manager – Sales/ER), Shailendra Gowda, Amita Tiwari, Sanjoy Banerjee, Soham Dutta, GE T&D INDIA LIMITED ( Formerly Alstom T&D India Limited), DLF IT Park, Plot No. 08, Major Arterial Road, Block AF, Tower C, 8th Floor, New Town (Rajarhat), Kolkata 700156 (WB).
11. Jayati Saha, TECHNO ELECTRIC & ENGINEERING CO. LTD., 1B, Park Plaza (S), 71 Park Street, Kolkata-700016, India.

12. Ragupathi A, NATIONAL CONTRACTING CO LTD, Plot NO. 1 & 2, The Lords Block I, 4th Floor, Jawaharlal Nehru Road, Ekkaduthangal, Guindy, Chennai 600 032.
13. Mr. S. Saravanan (Project Manager) and Mr. Vipin Agrawal (Sr. Engineer), M/S KANTI PRASHAD MITTAL, 165, Gupta Colony, Transport Nagar, Meerut, Uttar Pradesh.
14. Diptisha Kumar Biswal, Shyam N. Mittal, Chaitanya N S S K and Sudhanshu Garg, TATA PROJECTS LIMITED, 1st Floor, Tower- 1, Okaya Centre, B-5, Sector-62, Noida-201301, Uttar Pradesh.
15. Alok Sharma, Mr Udayan Benerjee, Mr. Rakesh Kumar, Mr S Pillai and Mr Vijay Galande, TRANSRAIL LIGHTING LIMITED, 46, Lombenf-IT Park, Horihor Nogor, Beso, Nagpur-440 034, Maharashtra, India.
16. Bijaya Dwivedi, Tarun Layek, Kapilarasan M, Ashish Vaidya and Bhanu Prakash Rachapudi (Asst. Manager-Tendering-TLT EPC), BAJAJ ELECTRICALS LTD, Rustomjee Aspire, Bhanu Shankar Yagnik Marg, GTB Nagar, Lalbaug, Everard Nagar, Sion, Mumbai, Maharashtra 400022.
17. Amit Hazra (Senior Manager-Sales & Marketing, Power Grids Division), Rajib Manna, Chinmoy De and Jatin K Patel ABB POWER PRODUCTS & SYSTEMS INDIA LTD (APPSIL), Bengal Intelligent Park Ltd, Omega Blk EP & GP, Sector V, Salt Lake City, Kolkata, West Bengal 700091.
18. Naba Kr. Sinha, WIN POWER INFRA (P) LTD., 1st Floor, Basanta Enclave, B. Baruah Road, Ullubari, Guwahati (Assam).
19. Raju das, STELMEC LTD, Regional Office: 209, A. J. C. Bose Road, Karnani Estate, 3rd Floor, Office No – 96, Kolkata – 700017
20. Mr. Subrata Pal (Senior General Manager), Mr. Sudipto Dasgupta (Regional Manager-East) and Mr. Suvankar Datta, HYOSUNG T&D INDIA LTD, Unit No-1513, 15th Floor, Bengal Eco Intelligent Park, EM-3, Sector-V, Saltlake City, Kolkata, India 700 091
21. Vaishaka Paranjape and Mridul Dam, CG POWER AND INDUSTRIAL SOLUTIONS LIMITED, Sales Network India East 7th Floor, Block B, 50 Chowringhee Road, Kolkata 700 071

**B. Bidders that submitted queries but did not attend the pre-bid meeting:**

1. VIKRAN ENGINEERING AND EXIM PVT. LTD, (A Rakesh Markhedkar Enterprise), 401, Odyssey IT Park, Road No. 9, Wagle Estate, Thane(W), Mumbai-400604

2. GEPDEC INFRATECH LTD, 7 A Floor, Tower-B, Plot-8, Noida One, Sector-62, Noida-201307 (Uttar Pradesh), India.
3. TAIKAI GROUP, Taikai Electric (India) Pvt Ltd., Plot No-164, Sector-6, IMT-Manesar, Gurgaon-122051, Haryana.
4. SAFETY CONTROLS AND DEVICES PVT. LTD., Safety Controls & Devices Pvt. Ltd. C-43/28/1, Behind Skylark Building, Newal Kishore Road Hazratganj, Lucknow-226001, (U.P) INDIA.
5. MODERN INSULATORS, Talheti, Village: Karoli, Tehsil: Abu Road, Dist: Sirohi-307510 (Rajasthan).
6. Sachin Kashyap, ASHOKA BUILDCON LTD., S.No. 113/2, 5th Floor, Ashoka Business Enclave, Wadala Road Nashik - 422 009.
7. Vikas Tiwary, Project Manager (Electrical), SINGHI INFRAPOWER PROJECTS PVT. LTD. (Formerly known as Singhi Cables & Conductors Pvt. Ltd.), Singhi House, RM Road Jorhat-785001, Assam.
8. K. RAMACHANDRA RAO TRANSMISSION & PROJECTS PVT. LTD., “Praveen Chambers”, 305, B-Block, Kushal Towers, Khairatabad, Hyderabad – 500 004 (Telangana) India.
9. SALASAR TECHNO ENGINEERING LIMITED, Corp. Office : 2nd Floor, Plot No.33, Commercial Block, Kaushambi Ghaziabad.
10. Prashant Menon (Senior Manager - Sales & Marketing), Mr. Senthil M, Mr. Venkatachalapathy, Mr. Harimoorthy and Ms. Christina J Vidhya, BGR ENERGY SYSTEMS LIMITED, EPD Division, 7th Floor, Guna Complex No.443, Anna Salai, Teynampet, Chennai – 600018.
11. SKIPPER LIMITED, Registered Office : 3A, Loudon Street, Kolkata- 700017, India
12. SIDDHARTHA ENGINEERING LIMITED (An ISO 9001-2008 certified Company), Plot No.1015, Nayapalli, N.H.16, Bhubaneswar- 751012, Odisha
13. Anand Soni, (GM BD & MKTG), Subhasis Ghosal (Manager-Mktg), J.Nagaraju (Dy.Manager-Mktg) and Kamalakanta Jena (Engineer), VIJAY ELECTRICALS.
14. Deepak Pandey, (Sr. VP-EPC), Siddharth Tiwari (DGM-Tendering) and Kapil Sharma (Engineer-Tendering), MAN STRUCTURALS

**OPENING REMARKS:**

Sri. H. Kakati, General Manager (Projects), AEGCL extended a warm welcome to all the prospective bidders and introduced his team. The General Manager (Projects), AEGCL briefed on the components included in the concerned Package-A and explained the project's scope and further requested

the prospective bidders to table their most prioritized queries, considering the bulk of queries already submitted and the limited time. The GM (P), AEGCL assured the prospective bidders that comprehensive reply/clarifications shall be prepared and uploaded in the AEGCL site as well as e-tender portal in response to their raised queries on the bid document.

**QUERIES:**

**TABLE-1:**

**a) QUERIES ON BID DOCUMENT (INSTRUCTIONS TO BIDDERS, BDS, GENERAL CONDITIONS, PC ETC.)**

SL NO	Clause No./ Section/ Page No.	Description	Queries	Response	Reference to Sl. No. of Addendum [Table 2] wherever applicable
1	<b>Funding for Project Appendix 1: Terms and Procedures of Payment</b>	Payment will be made subject to availability of funds	<i>We understand that the project is funded by AIIB. In AIIB portal following points were mentioned</i> 1. Date of concept decision : " 11/2019" we understand that this activity has already been done by AIIB 2 Estimated date of appraisal decision: "5/20" We understand that this decision will be taken by AIIB on the basis of progress of tendering process ie, 30% of total project value. We understand AEGCL has completed the above criteria by floating the tender. Please let us know whether appraisal decision has already been taken by AIIB 3.Estimated date of financing approval: ie 06/2020, We understand financial approval means loan agreement between AIIB, Statement Government and GOI which is scheduled to happen by 06/2020, please let us know the present status and also expected date of disbursement of fund by AIIB to AEGCL.	Concerned stakeholder will handle this issue before signing the contract	

2	Section 7 : General Conditions of Contract	Not Existing	<p><i>Bidder requests for addition to the clause as given below;</i></p> <p><i>Each consortium partner shall be allowed to invoice separately to employer and payment should be disbursed directly to consortium partner's account for their respective scope. Wherever the same is not permitted , all the receipts of payments should be routed through the designated Escrow bank account :</i></p> <p><i>1.The Employer should be a party to the escrow arrangement with a commitment to pay only into the Escrow account. i.e the Escrow should be a four-party ( Bidder, Employer, Paying party , Bank) arrangement and Bidder should have a recourse on the paying party in case there is a breach of this commitment to pay into the Escrow account. In case this is not possible, the same has to be agreed upon mutually and documented as part of the contract agreement</i></p> <p><i>2. The Escrow agreement/account mandate should not be permitted to be amended without Bidder's permission</i></p>	No change	
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4	Section 7 : General Conditions of Contract GCC 1.1 (z)	"Completion" means that the Facilities (or a specific part thereof where specific parts are specified in the Contract) have been completed operationally and structurally and put in a tight and clean condition, that all work in respect of Pre-commissioning of the Facilities or such specific part thereof has been completed, and that the Facilities or specific part thereof are ready for Commissioning as provided in GCC Clause 24 (Completion) hereof.	<i>Bidder requests for the modification of said clause as suggested below: "Completion" means that the Facilities (or a specific part thereof where specific parts are specified in the Contract) have been completed operationally and structurally and put in a tight and clean condition, that all work in respect of Pre-commissioning of the Facilities or such specific part thereof has been completed, and that the Facilities or specific part thereof are ready for Commissioning as provided in GCC Clause 24 (Completion) hereof. <b>Furthermore, the facility shall be deemed to have been takeover and the Employer shall issue a TOC if the Facilities is put to commercial use by the Employer. The Employer is also bound to accept commencement of defect liability period from the said deemed date.</b></i>	No change	
5	Section 7 : General Conditions of Contract	...Subject to the provisions of the Contract, the Contractor shall be solely responsible for the manner in which the Contract is performed.	Please modify the paragraph as below: <i>Subject to the provisions of the Contract, the Contractor shall be solely responsible for the manner in which the Contract is performed, <b>as far as Contractor's explicit obligations are concerned.</b></i>	No change	

6	Section 7 : General Conditions of Contract GCC Clause no 7.2	The Contractor shall, unless specifically excluded in the Contract, perform all such work and/or supply all such items and materials not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Completion of the Facilities as if such work and/or items and materials were expressly mentioned in the Contract.	<i>Bidder requests clarification of this clause as this is open ended and vague : It shall be subjected to mutual agreement .</i>	GCC's are self-explanatory and not vague	
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7	<p>Section 7 : General Conditions of Contract</p> <p>GCC Clause No 9.2</p>	<p>The Contractor confirms that it has entered into this Contract on the basis of a proper examination of the data relating to the Facilities, including any data as to boring tests provided by the Employer, and on the basis of information that the Contractor could have obtained from a visual inspection of the Site if access thereto was available and of other data readily available to it relating to the Facilities as of the date 28 days prior to Tender submission. The Contractor acknowledges that any failure to acquaint itself with all such data and information shall not relieve its responsibility for properly estimating the difficulty or cost of successfully performing the Facilities.</p>	<p><i>Bidder requests clarification of this clause as this is open ended and vague : It shall be subjected to mutual agreement .</i></p>	<p>GCC's are self-explanatory and not vague</p>	
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8	Section 7 : General Conditions of Contract GCC 9.3	The Contractor shall acquire and pay for all permits, approvals, and/or licenses from all local, state, or national government authorities or public service undertakings in the country where the Site is located, which such authorities or undertakings require the Contractor to obtain in its name and which are necessary for the performance of the Contract, including, without limitation, visas for the Contractor's and Subcontractor's personnel and entry permits for all imported Contractor's Equipment. The Contractor shall acquire all other permits, approvals, and/or licenses that are not the responsibility of the Employer under GCC Subclause 10.3 hereof and that are necessary for the performance of the Contract.	<i>Bidder requests for the modification of said clause as suggested below: " The Contractor shall acquire and pay for all permits, approvals, and/or licenses from all local, state, or national government authorities or public service undertakings in the country where the Site is located, which such authorities or undertakings require the Contractor to obtain in its name and which are necessary for the performance of the Contract, including, without limitation, visas for the Contractor's and Subcontractor's personnel and entry permits for all imported Contractor's Equipment. <del>The Contractor shall acquire all other permits, approvals, and/or licenses that are not the responsibility of the Employer under GCC Subclause 10.3 hereof and that are necessary for the performance of the Contract.</del> "</i>	No change	
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9	Section 7 : General Conditions of Contract GCC 9.4	The Contractor shall comply with all laws in force in the country where the Facilities are to be implemented. The laws will include all local, state, national, or other laws that affect the performance of the Contract and bind upon the Contractor. The Contractor shall indemnify and hold harmless the Employer from and against any and all liabilities, damages, claims, fines, penalties, and expenses of whatever nature arising or resulting from the violation of such laws by the Contractor or its personnel, including the Subcontractors and their personnel, but without prejudice to GCC Subclause 10.1 hereof.	<i>Bidder requests for the modification of said clause as suggested below: The Contractor shall comply with all laws in force in the country where the Facilities are to be implemented. The laws will include all local, state, national, or other laws that affect the performance of the Contract and bind upon the Contractor. <del>The Contractor shall indemnify and hold harmless the Employer from and against any and all liabilities, damages, claims, fines, penalties, and expenses of whatever nature arising or resulting from the violation of such laws by the Contractor or its personnel, including the Subcontractors and their personnel, but without prejudice to GCC Subclause 10.1 hereof.</del></i>	No change	
10	Section 7 : General Conditions of Contract GCC 9.6	The Contractor shall permit AIIB to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors appointed by AIIB, if so required by AIIB.	<i>Bidder requests that; 1. Inspection of accounts and records would be limited to the performance of this Contract only. 2. The auditors appointed would be an independent, internationally certified public accountants acceptable to both Customer and Contractor.</i>	No change	

11	Section 7 : General Conditions of Contract GCC 10.2	The Employer shall be responsible for acquiring and providing legal and physical possession of the Site and access thereto, and for providing possession of and access to all other areas reasonably required for the proper execution of the Contract, including all requisite rights of way, as specified in the Appendix (Scope of Works and Supply by the Employer) to the Contract Agreement. The Employer shall give full possession of and accord all rights of access thereto on or before the date(s) specified in that Appendix.	<p><i>Please confirm that the site are available for all locations, duly secured with permanent boundary wall and security gate.</i></p> <p><i>Please further confirm that in case of any delay in acquiring and providing legal and physical possession of the site and its access, and for providing possession of and access to all other areas reasonably required for the proper execution of the contract, including all requisite rights of way, as applicable, the employer shall pay reasonable cost incurred by the contractor along with suitable time extension.</i></p>	Clear possessions and rights of access to the site shall be provided to the contractor before effectiveness of the contract. Any delay in handing over of site to the contractor shall be dealt with the provision of bid document GCC clause GCC Clause no. 10.8 (Employers Responsibility)	
12	GCC 10.3	The Employer shall acquire and pay for all permits, approvals, and/or licenses from all local, state, or national government authorities, or public service undertakings in the country where the Site is located which (a) such authorities or undertakings require the Employer to obtain in the Employer's name, (b) are necessary for the execution of the Contract, including those required for the performance by both the	Please confirm that in case of delay by Employer in acquiring and providing permits, approvals and/or licenses required for the proper execution of the contract, including all requisite rights of way, as applicable, the Employer shall pay reasonable cost incurred by the contractor along with suitable time extension.	Any delay by the Employer in acquiring and providing clearances, if required, will be dealt as per the GCC Clause no. 10.8 (Employers Responsibility)	

		Contractor and the Employer of their respective obligations under the Contract, and (c) are specified in the Appendix (Scope of Works and Supply by the Employer) to the Contract Agreement.			
13	Section 7 : General Conditions of Contract GCC 14.1	14.1 Except as otherwise specifically provided in the Contract, the Contractor shall bear and pay all taxes, duties, levies, and charges assessed on the Contractor, its Subcontractors, or their employees by all municipal, state, or national government authorities in connection with the Facilities in and outside of the country where the Site is located.	The Bidder requests to confirm that the BOCW taxes shall be applicable on the Contract for Services only. The same shall not be applicable on Contract for Supply of the Equipment	the BOCW taxes shall be applicable on the Contract for Service Bill only which is 1% of the whole contract value	

14	Section 7 : General Conditions of Contract GCC 14.4	For the purpose of the Contract, it is agreed that the Contract Price specified in Article 2 (Contract Price and Terms of Payment) of the Contract Agreement is based on the taxes, duties, levies, and charges prevailing at the date 28 days prior to the date of Tender submission in the country where the Site is located (hereinafter called "Tax" in this GCC Subclause 14.4). If any rates of Tax are increased or decreased, a new Tax is introduced, an existing Tax is abolished, or any change in interpretation or application of any Tax occurs in the course of the performance of Contract, which was or will be assessed on the Contractor, Subcontractors, or their employees in connection with performance of the Contract, an equitable adjustment of the Contract Price shall be made to fully take into account any such change by addition to the Contract Price or deduction therefrom, as the case may be, in accordance with GCC Clause 36 hereof.	<p><i>Bidder requests for the modification of said clause as suggested below:</i></p> <p><i>For the purpose of the Contract, it is agreed that the Contract Price specified in Article 2 (Contract Price and Terms of Payment) of the Contract Agreement is based on the taxes, duties, levies, and charges prevailing at the date 28 days prior to the date of Tender submission in the country where the Site is located (hereinafter called "Tax" in this GCC Subclause 14.4). If any rates of Tax are increased or decreased, a new Tax is introduced, an existing Tax is abolished, or any change in interpretation or application of any Tax occurs in the course of the performance of Contract, which was or will be assessed on the Contractor, Subcontractors, or their employees in connection with performance of the Contract, an equitable adjustment of the Contract Price shall be made to fully take into account any such change by addition to the Contract Price or deduction therefrom, as the case may be, in accordance with GCC Clause 36 hereof.</i></p> <p><b><i>In respect of raw materials, intermediary components etc and the taxes, duties &amp; levies applicable locally, Contractor shall be entitled to any claim arising due to increase or decrease in the rate of Tax, introduction of a new Tax or abolition of an existing Tax in the course of the performance of the Contract. Further, In the event of introduction of any other tax the impact of differential tax duty , if any on the total contract price including</i></b></p>	No change	
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			<i>bought out items (to be dispatched directly from sub-vendors works to the site) will also be adjusted in contract price subject to documentary evidence. The total differential tax liability will be limited to the applicable increase/decrease in Tax rate on the contract price including sub vendor items.</i>		
15	Section 7 : General Conditions of Contract GCC 17.2.2	.....The Contractor shall not revoke the appointment of the Contractor's Representative without the Employer's prior written consent, which shall not be unreasonably withheld. If the Employer consents thereto, the Contractor shall appoint some other person as the Contractor's Representative, pursuant to the procedure set out in GCC Subclause 17.2.1.	Please modify the paragraph as below: .....The Contractor shall not revoke the appointment of the Contractor's Representative without <b>notifying</b> the Employer's prior written consent, which shall <del>not be unreasonably withheld</del> . If the Employer <del>consents thereto</del> , the Contractor shall appoint some other person as the Contractor's Representative, pursuant to the procedure set out in GCC Subclause 17.2.1.	No change	
16	Section 7 : General Conditions of Contract GCC 17.2.3	The Contractor's Representative may, subject to the approval of the Employer which shall not be unreasonably withheld, at any time delegate to any person any of the powers, functions and	Please modify the paragraph as below: The Contractor's Representative may, <del>subject to the approval of the Employer which shall not be unreasonably withheld</del> , at any time delegate to any person any of the powers, functions and authorities vested in him or her <b>and notify to the employer</b>	No change	

		authorities vested in him or her.			
17	Section 7 : General Conditions of Contract GCC 18.4	If at any time the Contractor's actual progress falls behind the program referred to in GCC Subclause 18.2, or it becomes apparent that it will so fall behind, the Contractor shall, at the request of the Employer or the Project Manager, prepare and submit to the Project Manager a revised program, taking into account the prevailing circumstances, and shall notify the Project Manager of the steps being taken to expedite progress so as to attain Completion of the Facilities within the Time for Completion under GCC Subclause 8.2, any extension thereof entitled under GCC Subclause 40.1, or any extended period as may otherwise be agreed upon between the Employer and the Contractor.	Please confirm that:  <i>In case such expedited progress is required due to reasons not attributable to the Contractor, the Parties shall proceed in accordance with Clause no. 39 (Change in the Facilities) of the GCC.</i>	No change	



18	Section 7 : General Conditions of Contract GCC 20.1.1	The Contractor shall execute the basic and detailed design and the engineering work in compliance with the provisions of the Contract, or where not so specified, in accordance with good engineering practice.	<i>Bidder requests for the modification of said clause as suggested below: The Contractor shall execute the basic and detailed design and the engineering work in compliance with the provisions of the Contract, <del>or where not so specified, in accordance with good engineering practice.</del></i>	No change	
19	Section 7 : General Conditions of Contract GCC 20.3.3	The Project Manager shall not disapprove any document, except on the grounds that the document does not comply with the Contract or that it is contrary to good engineering practice. If the Project Manager disapproves a document, he shall specify the reasons for his decision.	<i>Bidder requests for the modification of said clause as suggested below: The Project Manager shall not disapprove any document, except on the grounds that the document does not comply with the Contract <del>or that it is contrary to good engineering practice.</del> If the Project Manager disapproves a document, he shall specify the reasons for his decision.</i>	No change	

20	Section 7 : General Conditions of Contract GCC 22.1.1	(b) If, at any time during the progress of installation of the Facilities, any error shall appear in the position, level, or alignment of the Facilities, the Contractor shall forthwith notify the Project Manager of such error and, at its own expense, immediately rectify such error to the reasonable satisfaction of the Project Manager. If such error is based on incorrect data provided in writing by or on behalf of the Employer, the expense of rectifying the same shall be borne by the Employer.	<i>Bidder requests for the modification of said clause as suggested below: (b) If, at any time during the progress of installation of the Facilities, any error shall appear in the position, level, or alignment of the Facilities, the Contractor shall forthwith notify the Project Manager of such error and, at its own expense, immediately rectify such error <b>as per the contract to the reasonable satisfaction of the Project Manager.</b> If such error is based on incorrect data provided in writing by or on behalf of the Employer, the expense of rectifying the same shall be borne by the Employer.</i>	No change	
21	Section 7 : General Conditions of Contract GCC 24.2	Within 7 days after receipt of the notice from the Contractor under GCC Subclause 24.1, the Employer shall supply the operating and maintenance personnel specified in the Appendix (Scope of Works and Supply by the Employer) to the Contract Agreement for Pre-commissioning of the Facilities or any part thereof.	<i>Bidder requests for the clarification of said clause as suggested below: Appendix (Scope of Works and Supply by the Employer) mentions No personnel, facilities, works and supplies will be provided/ supplied by the Employer, for performance of this Contract.</i>	No change	

22	Section 7 : General Conditions of Contract GCC 25.5.3	In the event that the period of suspension under above Subclause 25.5.1 actually exceeds 180 days, the Employer and Contractor shall mutually agree to any additional compensation payable to the Contractor.	<p><i>Bidder requests for the modification of said clause as suggested below:</i></p> <p><i>In the event that the period of suspension under above Subclause 25.5.1 actually exceeds 180 days, the Employer and Contractor shall mutually agree to any additional compensation payable to the Contractor. and <b>the defect liability period as per clause GCC / SCC 27 shall commence .</b></i></p> <p><i>Upon Completion and/or use of facilities in full or parts, the Employer shall be responsible for the care and custody of the Facilities or the relevant part thereof, together with the risk of loss or damage thereto, and shall thereafter take over the Facilities or the relevant part thereof.</i></p>	No change	
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23	<p>Section 7 : General Conditions of Contract GCC 27.2</p>	<p>..... If during the Defect Liability Period any defect should be found in the design, engineering, materials and workmanship of the Plant and Equipment supplied or of the work executed by the Contractor, the Contractor shall promptly, in consultation and agreement with the Employer regarding appropriate remedying of the defects, and at its cost, repair, replace or otherwise make good (as the Contractor shall, at its discretion, determine) such defect as well as any damage to the Facilities caused by such defect. The Contractor shall not be responsible for the repair, replacement or making good of any defect or of any damage to the Facilities arising out of or resulting from any of the following causes: (a) improper operation or maintenance of the Facilities by the Employer (b) operation of the Facilities outside specifications provided in the Contract (c) normal wear and tear.</p>	<p><i>Bidder requests for modification to the clause as given below;</i> ..... If during the Defect Liability Period any defect should be found in the design, engineering, materials and workmanship of the Plant and Equipment supplied or of the work executed by the Contractor, the Contractor shall promptly, in consultation and <del>agreement</del> with <b>notification to the Employer</b> regarding appropriate remedying of the defects, and at its cost, repair, replace or otherwise make good (as the Contractor shall, at its discretion, determine) such defect as well as any damage to the Facilities caused by such defect. The Contractor shall not be responsible for the repair, replacement or making good of any defect or of any damage to the Facilities arising out of or resulting from any of the following causes: (a) improper operation or maintenance of the Facilities by the Employer (b) operation of the Facilities outside specifications provided in the Contract (c) normal wear and tear.</p>	No change	
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24	Section 7 : General Conditions of Contract GCC 27.7	If the Contractor fails to commence the work necessary to remedy such defect or any damage to the Facilities caused by such defect within a reasonable time (which shall in no event be considered to be less than 15 days), the Employer may, following notice to the Contractor, proceed to do such work, and the reasonable costs incurred by the Employer in connection therewith shall be paid to the Employer by the Contractor or may be deducted by the Employer from any monies due the Contractor or claimed under the Performance Security.	<i>Bidder requests for modification to the clause as given below; If the Contractor fails to commence the work necessary to remedy such defect or any damage to the Facilities caused by such defect within a reasonable time (which shall in no event be considered to be less than 21 days <del>15 days</del>), the Employer may, following notice to the Contractor, proceed to do such work, and the reasonable costs incurred by the Employer in connection therewith shall be paid to the Employer by the Contractor <del>or may be deducted by the Employer from any monies due the Contractor or claimed under the Performance Security.</del></i>	No change	
25	Section 7 : General Conditions of Contract GCC 27.8	If the Facilities or any part thereof cannot be used by reason of such defect and/or making good of such defect, the Defect Liability Period of the Facilities or such part, as the case may be, shall be extended by a period equal to the period during which the Facilities or such part cannot be used by the Employer because of any of the aforesaid reasons.	Bidder requests for the modification of said clause as suggested below:  <i>If the Facilities or any part thereof cannot be used by reason of such defect and/or making good of such defect, the Defect Liability Period of the Facilities or such part, as the case may be, shall be extended by a period equal to the period during which the Facilities or such part cannot be used by the Employer because of any of the aforesaid reasons.. <b>However, all such extension shall cease on 12 months from the end of original defect liability period as mentioned in GCC 22.2.</b></i>	No change	

26	Section 7 : General Conditions of Contract GCC 27.9	Except as provided in GCC Clauses 27 and 33, the Contractor shall be under no liability whatsoever and howsoever arising, and whether under the Contract or at law, in respect of defects in the Facilities or any part thereof, the Plant, design, or engineering, or work executed that appear after Completion of the Facilities or any part thereof, except where such defects are the result of the gross negligence, fraud, criminal, or willful action of the Contractor.	Bidder requests modification of said clause as suggested below:  <i>Except as provided in GCC Clauses 27 and 33, the Contractor shall be under no liability whatsoever and howsoever arising, and whether under the Contract or at law, in respect of defects in the Facilities or any part thereof, the Plant, design, or engineering, or work executed that appear after Completion of the Facilities or any part thereof, except where such defects are the result of the <del>gross</del> <del>negligence</del>, fraud, criminal, or wilful action of the Contractor.</i>	No change	
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27	Section 7 : General Conditions of Contract GCC 33.1	Subject to GCC Subclause 33.3, the Contractor shall indemnify and hold harmless the Employer and its employees and officers from and against any and all suits, actions, or administrative proceedings, claims, demands, losses, damages, costs, and expenses of whatsoever nature, including attorney's fees and expenses, in respect of the death or injury of any person or loss of or damage to any property other than the Facilities whether accepted or not, arising in connection with the supply and installation of the Facilities and by reason of the negligence of the Contractor or its Subcontractors, or their employees, officers, or agents, except any injury, death, or property damage caused by the negligence of the Employer, its contractors, employees, officers, or agents.	<p><i>We understand that the overall liability under this Contract is limited to the Contract Price. We proposes a cap per damage event as given below, to be added to GCC 33.1:</i></p> <p><i>For damages to Employer's property, which the Contractor is responsible for, the Contractor compensates the costs of the re-construction or restoration of Employer's property up to an amount of 10' Mio INR per damage event.</i></p> <p><i>The above Indemnity obligation is applicable only for the mandatory claims under the law.</i></p>	No change	
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28	Section 7 : General Conditions of Contract GCC 34.2	The Employer shall be named as co-insured under all insurance policies taken out by the Contractor pursuant to GCC Subclause 34.1, except for the Third Party Liability, Workers' Compensation, and Employer's Liability Insurances, and the Contractor's Subcontractors shall be named as co-insureds under all insurance policies taken out by the Contractor pursuant to GCC Subclause 34.1 except for the Cargo Insurance During Transport, Workers' Compensation, and Employer's Liability Insurances. All insurer's rights of subrogation against such co-insureds for losses or claims arising out of the performance of the Contract shall be waived under such policies.	<i>Bidder requests for modification to the clause as given below; The Employer shall be <b>jointly insured</b> <del>named as co-insured</del> under all insurance policies taken out by the Contractor pursuant to GCC Subclause 34.1, except for the Third Party Liability, Workers' Compensation, <b>Automobile Liability Insurance, Contractor's Plant and Machinery (CPM) Insurances</b> and Employer's Liability Insurances, and the Contractor's Subcontractors shall be <del>named as co-insureds</del> <b>jointly insured</b> under all insurance policies taken out by the Contractor pursuant to GCC Subclause 34.1 except for the Cargo Insurance During Transport, <b>Automobile Liability Insurance, Workers' Compensation, Contractor's Plant and Machinery (CPM) Insurances</b> and Employer's Liability Insurances. All insurer's rights of subrogation against such <b>jointly insured</b> <del>co-insureds</del> for losses or claims arising out of the performance of the Contract shall be waived under such policies.</i>	No change	
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29	Section 7 : General Conditions of Contract GCC 34.3	The Contractor shall, in accordance with the provisions of the Appendix (Insurance Requirements) to the Contract Agreement, deliver to the Employer certificates of insurance or copies of the insurance policies as evidence that the required policies are in full force and effect. The certificates shall provide that no less than 21 days' notice shall be given to the Employer by insurers prior to cancellation or material modification of a policy.	<i>Bidder requests for modification to the clause as given below:</i>  <i>The Contractor shall, in accordance with the provisions of the Appendix (Insurance Requirements) to the Contract Agreement, deliver to the Employer certificates of insurance or copies of the insurance policies as evidence that the required policies are in full force and effect. The certificates shall provide that no less than 21 days' notice shall be given to the Employer by insurers/Contractor prior to cancellation or material modification of a policy.</i>	No change	
30	Section 7 : General Conditions of Contract	Not Existing	<i>Bidder requests the addition of the following clause:</i>  <i>If during the execution of the works on Site the Contractor encounters physical obstructions or conditions which could not reasonably have been foreseen by the Contractor at the latest date for bid submission, the Contractor shall be entitled to recover the additional Time for Completion and cost incurred in consequence. "Physical obstructions and conditions" means natural physical conditions and manmade and other physical constructions and pollutants, which the Contractor encounters at the Site, including subsurface and hydrological conditions.</i>	No change	

31	Section 7 : General Conditions of Contract	not existing	<p>Bidder request the addition of following clause to GCC 37, since this is outside Bidder control:</p> <p><i>Contractor shall not be obligated to fulfil the Contract if such fulfilment is prevented by any impediments arising out of national or international foreign trade or customs requirements or any embargoes or other sanctions.</i></p>	No change	
32	Section 7 : General Conditions of Contract	not existing	<p>Bidder request the addition of following clause to GCC 37, since this is outside Bidder control:</p> <p><i>Contractor shall not be obligated to fulfil the Contract if such fulfilment is prevented by any impediments arising out of national or international foreign trade or customs requirements or any embargoes or other sanctions.</i></p> <p><i>The Parties acknowledge the worldwide outbreak of the COVID-19, which is likely to affect the execution of the Agreement. The Parties agree, that Supplier shall be entitled to reasonable adjustments of the Delivery Schedule/ milestones/ delivery dates as well as to reimbursement of costs to the extent the delay and the costs are caused directly or indirectly by the outbreak of COVID-19.</i></p> <p><i>In case force majeure conditions are exceeding 180 days for a single event, the parties may terminate the contract after mutual agreement.</i></p>	No change	

33	Section 7 : General Conditions of Contract GCC 39.1.2	The Contractor may from time to time during its performance of the Contract propose to the Employer with a copy to the Project Manager, any Change that the Contractor considers necessary or desirable to improve the quality, efficiency, or safety of the Facilities. The Employer may at its discretion approve or reject any Change proposed by the Contractor, provided that the Employer shall approve any Change proposed by the Contractor to ensure the safety of the Facilities.	<i>Bidder requests for modification to the clause as given below; "The Contractor may from time to time during its performance of the Contract propose to the Employer with a copy to the Project Manager, any Change that the Contractor considers necessary or desirable to improve the quality, efficiency, or safety of the Facilities. The Employer may <del>at its discretion</del> approve or reject any Change proposed by the Contractor <b>with the suitable reasons</b>, provided that the Employer shall approve any Change proposed by the Contractor to ensure the safety of the Facilities. "</i>	No change	
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34	<p>Section 7 : General Conditions of Contract GCC 39.2.7</p>	<p>If the Employer and the Contractor cannot reach agreement on the price for the Change, an equitable adjustment to the Time for Completion, or any other matters identified in the Change Proposal, the Employer may nevertheless instruct the Contractor to proceed with the Change by issue of a "Pending Agreement Change Order."</p> <p>Upon receipt of a Pending Agreement Change Order, the Contractor shall immediately proceed with effecting the Changes covered by such Order. The parties shall thereafter attempt to reach agreement on the outstanding issues under the Change Proposal.</p>	<p><i>Bidder requests the deletion of this clause</i>  <del><i>If the Employer and the Contractor cannot reach agreement on the price for the Change, an equitable adjustment to the Time for Completion, or any other matters identified in the Change Proposal, the Employer may nevertheless instruct the Contractor to proceed with the Change by issue of a "Pending Agreement Change Order."</i></del>  <i>Upon receipt of a Pending Agreement Change Order, the Contractor shall immediately proceed with effecting the Changes covered by such Order. The parties shall thereafter attempt to reach agreement on the outstanding issues under the Change Proposal.</i></p>	No change	
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35	Section 7 : General Conditions of Contract GCC 40.1	<p>The Time(s) for Completion specified in the SCC shall be extended if the Contractor is delayed or impeded in the performance of any of its obligations under the Contract by reason of any of the following:</p> <p>(a) any Change in the Facilities as provided in GCC Clause 39;</p> <p>(b) any occurrence of Force Majeure as provided in GCC Clause 37, unforeseen conditions as provided in GCC Clause 35, or other occurrence of any of the matters specified or referred to in paragraphs (a), (b) and (c) of GCC Subclause 32.2;</p> <p>(c) any suspension order given by the Employer under GCC Clause 41 hereof or reduction in the rate of progress pursuant to GCC Subclause 41.2; or</p> <p>(d) any changes in laws and regulations as provided in GCC Clause 36; or</p> <p>(e) any default or breach of the Contract by the Employer, or any activity, act or omission of the Employer, or the Project Manager, or any other contractors employed by the</p>	<p><i>Bidder request for modification to the clause as below:</i></p> <p><i>The Time(s) for Completion specified in the SCC shall be extended if the Contractor is delayed or impeded in the performance of any of its obligations under the Contract by reason of any of the following:</i></p> <p><i>(a) any Change in the Facilities as provided in GCC Clause 39;</i></p> <p><i>(b) any occurrence of Force Majeure as provided in GCC Clause 37, unforeseen conditions as provided in GCC Clause 35, or other occurrence of any of the matters specified or referred to in paragraphs (a), (b) and (c) of GCC Subclause 32.2;</i></p> <p><i>(c) any suspension order given by the Employer under GCC Clause 41 hereof or reduction in the rate of progress pursuant to GCC Subclause 41.2; or</i></p> <p><i>(d) any changes in laws and regulations as provided in GCC Clause 36; or</i></p> <p><i>(e) any default or breach of the Contract by the Employer, or any activity, act or omission of the Employer, or the Project Manager, or any other contractors employed by the Employer; or</i></p> <p><i>(f) any other matter specifically mentioned in the Contract; or</i></p> <p><i>(g) any delay on the part of a sub-contractor, provided such delay is due to a cause for which the Contractor himself would have been entitled to an extension of time under this Subclause</i></p> <p><b><i>(h) any default or breach of the Contract by the Employer, or any activity, act or</i></b></p>	No change	
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		<p>Employer; or  (f) any other matter specifically mentioned in the Contract; or  (g) any delay on the part of a sub-contractor, provided such delay is due to a cause for which the Contractor himself would have been entitled to an extension of time under this Subclause</p> <p>by such period as shall be fair and reasonable in all the circumstances and as shall fairly reflect the delay or impediment sustained by the Contractor.</p>	<p><b><i>omission of the Employer, or the Project Manager, or any other contractors employed by the Employer</i></b>  <b><i>(i) Any delay by the Employer in providing the facilities</i></b></p> <p><i>by such period as shall be fair and reasonable in all the circumstances and as shall fairly reflect the delay or impediment sustained by the Contractor.</i></p>		
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36	Section 7 : General Conditions of Contract	Not Existing	<i>Bidder requests for addition to the clause as given below; Acceptance/completion is deemed to have taken place, - if the customer puts work into commercial operation (but not for commissioning or test); or - when, for reasons not attributable to Contractor, acceptance is delayed for more than three months after its scheduled date -warranty period shall start from such date of deemed acceptance as mentioned above.</i>	No change	
37	Section 7 : General Conditions of Contract	Not Existing	<i>Bidder requests for addition to the clause as given below; Contract shall not be obliged to fulfil this Contract if such fulfilment is prevented by any impediments arising out of national or international foreign trade or customs requirements or any embargoes or other sanctions.</i>	No change	

38	Section 8 : Special Conditions of Contract SCC 7.1	The contractor shall abide by the ROW clause mentioned in Volume II, Chapter 2- Right of Way for Transmission Lines.	<p><i>Bidder requests for modification to the clause as given below;</i></p> <p><i>1. Employer shall be responsible for providing the Right of Way.</i></p> <p><i>2. Employer shall give full possession of the complete Site, duly secured with permanent boundary wall and security gate, before commencement of the work at site and accord all rights of access thereto on or before the date(s) specified in that Appendix.</i></p> <p><i>3. Employer shall be responsible for providing ROW and unhindered access along the cable route including but not limited to removal of permanent / temporary obstructions, traffic diversions, compensation resulting from these, permission from various authorities etc.</i></p> <p><i>4. ROW issues shall be intimated by the Contractor before commencement of work in a section and the same resolved by the Employer within a week of the notice of such obstructions by the Contractor.</i></p> <p><i>5. Work on a section shall be taken up by the Contractor after removal of all ROW issues in that section.</i></p> <p><i>Employer shall also provide suitable space for storage of cable drums other plant / machinery including space for</i></p> <p><i>6. Termination stations along the cable route as required. All cost for the above shall be borne by the Employer.</i></p>	Not acceptable. Should be as per bid.	
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39	Section 8 : Special Conditions of Contract SCC 7.3	<p>The Contractor agrees to supply spare parts for a period of years: Ten (10) Years. An undertaking to the effect that the spare parts shall be made available to AEGCL by the contractor for a period of ten (10) years should be furnished by the contractor. The undertaking shall be under ought by the contractor executed through Non-judicial stamp paper of Rs. 100/- or above to be notarized in India.</p> <p>The Contractor shall carry sufficient inventories to ensure an ex-stock supply of consumable spares for the Plant. Other spare parts and components shall be supplied as promptly as possible, but at the most within 6 months of placing the order and opening the letter of credit. In addition, in the event of termination of the production of spare parts, advance notification will be made to the Employer of the pending termination, with sufficient time to permit the Employer to procure the needed requirement. Following such termination, the Contractor will furnish to the</p>	<p><i>Bidder requests for the modification of said clause as suggested below:</i></p> <p><i>The Contractor agrees to supply spare parts for a period of years: <b>5 years</b> <del>Ten (10) Years</del> . An undertaking to the effect that the spare parts shall be made available to AEGCL by the contractor for a period of <b>5 years</b> <del>ten (10) years</del> should be furnished by the contractor. The undertaking shall be under ought by the contractor executed through Non-judicial stamp paper of Rs. 100/- or above to be notarized in India.</i></p> <p><i>The Contractor shall carry sufficient inventories to ensure an ex-stock supply of consumable spares for the Plant. Other spare parts and components shall be supplied as promptly as possible, but at the most within 6 months of placing the order and opening the letter of credit. In addition, in the event of termination of the production of spare parts, advance notification will be made to the Employer of the pending termination, with sufficient time to permit the Employer to procure the needed requirement. Following such termination, the Contractor will furnish to the extent possible and at no cost to the Employer <del>the blueprints, drawings and specifications of the spare parts, if requested.</del> <b>the relevant information/ documents and specification of the spare parts from third party, information/documents and specifications of the spare parts shall be furnished by the Contractor to the extent that such documents are available to the Contractor.</b></i></p>	Not acceptable. Should be as per bid.	
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		extent possible and at no cost to the Employer the blueprints, drawings and specifications of the spare parts, if requested.	<b><i>Such specification / documentation shall be utilized by the Employer only for the purpose of O &amp; M &amp; future procurement of functionally equivalent spares .Specifications of the functionally equivalent spare parts shall be furnished by the Contractor to the extent that such documents are available to the Contractor.</i></b>		
40	Section 8 : Special Conditions of Contract SCC 13.3.3	....Extended guarantee for the GIS equipment shall be for five (5) years beyond the defect liability period of the contract . The amount of the BG shall be 20% of the GIS equipment cost	<i>Bidder requests for modification to the clause as given below; ....Extended guarantee for the GIS equipment shall be for <b>(three) 3</b> <del>five (5)</del> years beyond the defect liability period of the contract . The amount of the BG shall be 10% <del>20%</del> of the GIS equipment cost</i>	Not acceptable. Should be as per bid.	
41	Section 8 : Special Conditions of Contract SCC 26.2	Applicable rate for liquidated damages shall not exceed: ½% (half percent) per week. Maximum deduction for liquidated damages: 10 (ten) percent of contract price.	<i>Bidder requests for modification to the clause as given below; Applicable rate for liquidated damages shall not exceed: ½% (half percent) per week. Maximum deduction for liquidated damages: <del>10 (ten) percent of contract price.</del> <b>5% of the value of undelivered units</b></i>	Not Acceptable	

42	Section 8 : Special Conditions of Contract SCC 27.7	If the Contractor fails to commence the work necessary to remedy such defect or any damage to the Facilities caused by such defect within hundred (100) hours from the time of reporting of the incident, the Employer may, following notice to the Contractor, proceed to do such work, and the reasonable costs incurred by the Employer in connection therewith shall be paid to the Employer by the Contractor or may be deducted by the Employer from any monies due the Contractor or claimed under the Performance Security. The recovery of cost for this defect liability period shall also be applicable for the extended defect liability period.	<i>Bidder requests for modification to the clause as given below; If the Contractor fails to commence the work necessary to remedy such defect or any damage to the Facilities caused by such defect within <b>30 days</b> <del>hundred (100) hours</del> from the time of reporting of the incident, the Employer may, following notice to the Contractor, proceed to do such work, and the reasonable costs incurred by the Employer in connection therewith shall be paid to the Employer by the Contractor or may be deducted by the Employer from any monies due the Contractor or claimed under the Performance Security. The recovery of cost for this defect liability period shall also be applicable for the extended defect liability period.</i>	Not acceptable. Should be as per bid.	
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43	<p>Section 9 : Contract Forms Article 2 2.2</p>	<p>Terms of Payment (Reference GCC Clause 12) The terms and procedures of payment according to which the Employer will reimburse the Contractor are given in the Appendix (Terms and Procedures of Payment) hereto. The Employer shall instruct its bank to issue an irrevocable confirmed documentary credit made available to the Contractor in a bank in the country of the Contractor. The credit shall be for an amount of [ . . . amount equal to the total named in Schedule 1 (for goods supplied from abroad) / Schedule 2 (for goods supplied from within the Employer's country) less the advance payment to be made for Plant and Equipment supplied from abroad or from within the Employer's country as the case may be. . . ]; and shall be subject to the Uniform Customs and Practice for Documentary Credits 1993 Revision, ICC Publication No. 500.2 In the event that the amount payable under Schedule No. 1/Schedule No. 2 is adjusted in accordance with GCC</p>	<p><i>Bidder requests for clarification to the clause as given below;</i>  <i>1. We understand that LC is applicable only on 90% of supply portion and 10% advance of supply portion is funded by AIIB.</i>  <i>2. Also , we infer from the given statement that LC is not applicable on Service Portion.</i>  <i>3. Please provide us more clarity on how much portion of supply &amp; service is funded by AIIB &amp; how much is covered under LC.</i>  <i>4.Is there is any time limit assigned to the AIIB loan for which clearance has been received by Employer. both Off shore + On Shore.</i>  <i>5.Usance period of LC should be 30 days &amp; LC should be given for Service Portion as well</i>  <i>6.Please confirm in case of consoriturum / JV if both the parties will be entitled to LC payment terms.</i></p>	<p>Payments will made to the contractor directly from AEGCL against supply and services. The JV/consortium will be entitled to LC and not the individual party.</p>	
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		11.2 or with any of the other terms of the Contract, the Employer shall arrange for the documentary credit to be amended accordingly			
44	Section 9 : Contract Forms Appendix 1	The existing payment terms are : Supply - 10% (Advance), 60% (Progressive), 30% (Retention) Services - 80% (Progressive), 20% (Retention )	<i>The Bidder requests the modification of payment terms as below for Supply &amp; Service :</i> <i>1.10% interest-free advance against equivalent ABG and CPBG (BGs valid till project duration)</i> <i>2.80% on despatch/pro-rata of equipments from works against irrevocable Letter of Credit with usance period of 30 days</i> <i>3.Remaining 10% on completion of 100% erection, testing, commissioning and stringing activities of the project</i>	Addendum issued.	30, 31, 32

45	Section 9 : Contract Forms Appendix 1	<p>Schedule No. 1 &amp; 2 -(A)- Advance Payment Ten percent (10%) of the total CIP amount as an advance payment against receipt of advance invoice subject to release of advance fund from AIIB and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer.</p> <p>The advance will be adjusted at the rate of 25% of the advance amount from each subsequent bill till the complete amount of advance is adjust. The advance payment security may be reduced in proportion to the value of the plant and mandatory spare parts delivered to the site, as evidenced by delivery documents.</p>	<p><i>Bidder requests for modification to the clause as given below; Ten percent (10%) of the total CIP amount as an advance payment against receipt of advance invoice <del>subject to release of advance fund from AIIB and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer.</del> The advance will be adjusted at the rate of <del>10%</del> 25% of the advance amount from each subsequent bill till the complete amount of advance is adjust. The advance payment security may be reduced in proportion to the value of the plant and mandatory spare parts delivered to the site, as evidenced by delivery documents</i></p>	Addendum issued.	31
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46	Section 9 : Contract Forms Appendix 1	<p>Schedule No. 1 &amp; 2 -(A)- Advance Payment Ten percent (10%) of the total CIP amount as an advance payment against receipt of advance invoice subject to release of advance fund from AIIB and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer. The advance will be adjusted at the rate of 25% of the advance amount from each subsequent bill till the complete amount of advance is adjust. The advance payment security may be reduced in proportion to the value of the plant and mandatory spare parts delivered to the site, as evidenced by delivery documents.</p>	<p><i>Bidder requests for clarification to the clause as given below;</i>  <i>1. Please provide the details for funding procedure through AIIB</i>  <i>2.The phrase "subject to release of advance" creates the ambiguity with respect to safety of payment , please clarify.</i>  <i>3.Please share the loan agrrement with AIIB</i>  <i>.</i>  <i>4.Please confirm if the entire project is funded by AIIB or only the Advance portion of Supply.</i></p>	Concerned stakeholder will take care of loan agreement. Contract will be singed only after loan agreement has been successfully completed	
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47	<p>Section 9 : Contract Forms Appendix 1</p>	<p>Schedule No. 1 &amp; 2 -B. Progressive payments for supply items: 1. Within 60 (sixty) days from the date of submission of the invoice against supply, not more than 60% (sixty percent) payment of the total supply invoice value would be made, on receipt and acceptance of materials in full and good conditions (Subject to availability of fund). However, GST amount on invoice would be paid 100% or as per Govt. Rules. 2. Maximum 20 (twenty) Nos. of progressive summary supply invoice would be entertained. 3. Remaining 40% (forty percent) retention amount would be released subject to fulfilment of the following conditions – (a) 50% of balance supply amount would be paid on completion of 50% of the total erection works of the project as per Schedule 4 (Tender Forms). (b) Remaining 50% of the supply amount would be paid on completion of 100% erection, testing, commissioning and stringing</p>	<p><i>Bidder requests for modification to the clause as given below;</i> <i>1. Within <b>30 days</b> <del>60 (sixty)</del> days from the date of submission of the invoice against supply, <b>80% not more than 60% (sixty percent)</b> payment of the total supply invoice value would be made, on receipt and acceptance of materials in full and good conditions <b>against LC</b> <del>(Subject to availability of fund)</del>. However, GST amount on invoice would be paid 100% or as per Govt. Rules.</i> <i>2. <del>Maximum 20 (twenty) Nos. of progressive summary supply invoice would be entertained.</del></i> <i>3. Remaining <b>10%</b> <del>40% (forty percent)</del> retention amount would be released subject to fulfilment of the following conditions – (a) <del>50% of balance supply amount would be paid on completion of 50% of the total erection works of the project as per Schedule 4 (Tender Forms).</del> (b) <del>Remaining 50% of the supply amount would be paid on completion of 100% erection, testing, commissioning and stringing activities of the project as per schedule 4 (Tender Forms), which must be certified by the Project Authority.</del></i></p>	Addendum issued.	31
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		activities of the project as per schedule 4 (Tender Forms), which must be certified by the Project Authority.			
48	Section 9 : Contract Forms Appendix 1	<p>Schedule No. 4 -A. Progressive payments for Erection Works:</p> <p>1. Within 60 (sixty) days from the date of submission of invoice against foundation, erection &amp; civil works, not more than 80% (eighty percent) of the total verified invoice would be made. However, GST amount on invoice would be paid 100% or as per Govt. Rules.</p> <p>2. Maximum 10 (ten) Nos. of progressive summary erection invoice/ bill would be entertained during entire erection work.</p> <p>3. The 1st progressive erection invoice/ bill would be entertained on completion of 10% of total erection cost</p>	<p><i>Bidder requests for modification to the clause as given below;</i></p> <p><b>10% interest- free advance against equivalent ABG and CPBG (BGs valid till project duration)</b></p> <p><i>1. Within 30 days <del>60 (sixty)</del> days from the date of submission of invoice against foundation, erection &amp; civil works, <del>not more than</del> 80% (eighty percent) of the total verified invoice would be made <b>against LC</b>. However, GST amount on invoice would be paid 100% or as per Govt. Rules.</i></p> <p><i>2. <del>Maximum 10 (ten) Nos. of progressive summary erection invoice/ bill would be entertained during entire erection work.</del></i></p> <p><i>3. <del>The 1st progressive erection invoice/ bill would be entertained on completion of 10% of total erection cost of the project as per Schedule 4 (Tender Forms).</del></i></p> <p><i>4. <del>Maximum 8 (eight) Nos. of additional progressive erection invoice/ bill would be entertained. Minimum value of each invoice should be 10% of the total ordered value for</del></i></p>	The advance is interest free. Addendum issued.	32

		<p>of the project as per Schedule 4 (Tender Forms).</p> <p>4. Maximum 8 (eight) Nos. of additional progressive erection invoice/ bill would be entertained. Minimum value of each invoice should be 10% of the total ordered value for foundation, erection and civil work.</p> <p>5. Remaining 20% of the erection value would be paid on successful completion of 100% erection, testing, commissioning and stringing activities and operational acceptance of the project as per clause 25, 26 &amp; 27 of GCC, which should be certified by the Project Authority. In the event that the Employer fails to make any payment on its respective due date, the Employer shall not pay any interest to the Contractor.</p>	<p><del>foundation, erection and civil work.</del></p> <p>5. Remaining <b>10%</b> <del>20%</del> of the erection value would be paid on successful completion of 100% erection, testing, commissioning and stringing activities and operational acceptance of the project as per clause 25, 26 &amp; 27 of GCC, which should be certified by the Project Authority. In the event that the Employer fails to make any payment on its respective due date, the Employer shall <del>not</del> pay any interest to the Contractor.</p>		
49	Section 9 : Contract Forms	Not Existing	<p>Bidder presume that these bid / performance securities are interpreted under Indian law with the jurisdiction of Courts of New Delhi.</p> <p>Please add the following regulations in addition:</p> <p>- After expiry of this bid guarantee, Employer will immediately return this bid guarantee to</p>	<p>Bid / performance securities are interpreted under Indian law with the jurisdiction of Courts of Guwahati, Assam. Bid guarantee shall be return to the bidder after expire of bid</p>	

			<i>the Bidder without any further requested by the Bidder.</i>	guarantee period on request of the bidder.	
50	Section 9 : Contract Forms	Not Existing	<i>Bidder requests that partners shall submit BGs for their respective scope of work in case of Consortium/Joint Venture This is due to the fact that in current banking scenario, any bank can take a exposure within their overall limits and no bank is taking long tenor exposure with banks having a negative outlook / without a credible external rating. The Bank's can issue guarantees only for individual share of the obligation and the Banks are also permitted to issue Guarantees on behalf of their customer obligations only.</i>	Not change. Bid security shall be submitted by the JV/Consortium itself.	
51	Section 9 : Contract Forms	Not Existing	<i>Bidder requests for modification to the clause as given below; 1.LC format should be mutually agreed. 2.LC should be issued at the time of manufacturing clearance</i>	No change	

52	Section 1 : Instructions to Tenderers Section 2 - Tender Data Sheet , Section 1- 3.4, 4.1, 15.2, 21.8, Section 2- ITT 4.1(b)	In some places Joint Venture is mentioned whereas at others Joint Venture / Consortium is mentioned	Bidder requests for the clarification of said clause as suggested below: The Bidder understands that the term “Joint Venture” as used of this tender can be considered to mean an un-incorporated Joint Venture or a Consortium for the purposes of this tender. Therefore, the word “Joint Venture” can be replaced by “Joint Venture/Consortium” in the tender. Please confirm. If confirmed, we then understand that: (i) there shall be no legal requirement to form or constitute a new corporation or a company or any form of partnership or association of persons registered as a new entity in India. (ii) Clause 3.4 (j) shall not be applicable if the Bidder is bidding as a Consortium	JV/Consortium is interchangeably used in this tender. In either case, both are severally liable. For the purpose of tender, intention to form JV is sufficient. However, contract award will be made only upon production of enforceable JV agreement.	
53	General		we understand that the all quantity specified in price bid is firm and vendor has to offer accordingly. Any increase or reduction of final quantity w.r.t tender stage quantity shall be amended accordingly.	Refer tender document properly	
54	Volume 1 Section 9: Appendix 1:Terms & Procedure of payment	(A) Terms of payment, Schedule 4 - Installation, ESMP and Other Services (Installation, commissioning and stringing services including Civil Works)	Since the quantum of Installation including civil works is huge or covering the major portion of project, we request you to consider to include the 10% advance payment terms for schedule 4 also as being already given for schedule 1 & 2(Supply items).	The advance payment shall be against Total contract Value.	

55	Contract Agreement Clause 2.2	<p>Clause 2.2</p> <p>The Employer shall instruct its bank to issue an irrevocable confirmed documentary credit made available to the Contractor in a bank in the country of the Contractor. The credit shall be for an amount of [. . . amount equal to the total named in Schedule 1 (for goods supplied from abroad) / Schedule 2 (for goods supplied from within the Employer's country) less the advance payment to be made for Plant and Equipment supplied from abroad or from within the Employer's country as the case may be. . . ]; and shall be subject to the Uniform Customs and Practice for Documentary Credits 1993 Revision, ICC Publication No. 500.2</p>	<p>We understand that other than the advance payments, all other payments will be made through sight Letter of Credit by the financing bank.</p> <p>Please confirm our understanding.</p>	LC is applicable only for Schedule 1.	
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56	Contract Agreement Clause 2.2	<p>Clause 2.2</p> <p>The Employer shall instruct its bank to issue an irrevocable confirmed documentary credit made available to the Contractor in a bank in the country of the Contractor. The credit shall be for an amount of [. . . amount equal to the total named in Schedule 1 (for goods supplied from abroad) / Schedule 2 (for goods supplied from within the Employer's country) less the advance payment to be made for Plant and Equipment supplied from abroad or from within the Employer's country as the case may be. . . ]; and shall be subject to the Uniform Customs and Practice for Documentary Credits 1993 Revision, ICC Publication No. 500.2</p>	<p>We request for opening of the sight LC in favor of both the partners of the JV for the amount equivalent to each partners share of the contract price as defined in the JV agreement.</p> <p>Please confirm our request.</p>	Not Acceptable	
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57	Contract Agreement Clause 2.2	<p>Clause 2.2</p> <p>The Employer shall instruct its bank to issue an irrevocable confirmed documentary credit made available to the Contractor in a bank in the country of the Contractor. The credit shall be for an amount of [. . . amount equal to the total named in Schedule 1 (for goods supplied from abroad) / Schedule 2 (for goods supplied from within the Employer's country) less the advance payment to be made for Plant and Equipment supplied from abroad or from within the Employer's country as the case may be. . . ]; and shall be subject to the Uniform Customs and Practice for Documentary Credits 1993 Revision, ICC Publication No. 500.2</p>	Please confirm that all Bank Charges related to the irrevocable credit by the Bank will be borne by the Employer.	Yes	
58	Appendix 1: Terms and Procedures of Payment	<p>Clause B.2 of Schedule 1&amp;2</p> <p>Maximum 20 (twenty) Nos. of progressive summary supply invoice would be entertained.</p>	<p>As GST invoices are raised immediately on dispatch of the equipment, we request for waiver of the said clause thereby enabling the contractor to raise invoices against each dispatch.</p> <p>Please confirm our request.</p>	Addendum issued.	31, 32

59	Appendix 1: Terms and Procedures of Payment	Clause B.3 50% of balance supply amount would be paid on completion of 50% of the total erection works of the project as per Schedule 4 (Tender Forms).	We understand that the erection works are defined as per the Erection Price Schedule for each substation and line, thereby covering the civil works. The 50% of the total erection works will be based on the percent of the value of work completed (as per invoices certified by the Employer) as per the Erection Price Schedule) of each substation/ line with respect to the total Erection Price of the respective substation/ line. Please confirm our understanding.	Yes	
60	Appendix 1: Terms and Procedures of Payment	Clause B.3 50% of balance supply amount would be paid on completion of 50% of the total erection works of the project as per Schedule 4 (Tender Forms).	In continuation to the above, if we assume that e total Erection Contract of Substation A is Rs 100 (out of which civil works is Rs 80 and erection works is Rs 20). Thus if invoices of Rs 7 have been submitted by us and certified by AEGCL, we understand that we will be liable for payment of 80% (60% (including advance) and 20% (50% of the balance supply amount of 40%) of the value of each supply item upon their delivery to site. Please confirm our understanding.	As per Bid and its subsequent addendum.	31, 32
61	Appendix 1: Terms and Procedures of Payment	Payment procedure	Please confirm the payment procedure covering the procedure of submission of invoices to release of final payments.	As per Bid	
62	Appendix 1: Terms and Procedures of Payment	Payment procedure	Please also confirm the time period within which the payments will be released by AEGCL after submission of invoices	As per Bid	



63	Appendix 1: Terms and Procedures of Payment	Clause A.2 of Schedule 4 Maximum 10 (ten) Nos. of progressive summary erection invoice/ bill would be entertained during entire erection work.	To maintain cash flow in the project, we request for waiver of the said clause and accept submission of 1 Nos. of progressive summary erection invoice/ bill each for civil and erection works in a month. Please confirm our request.	Addendum issued.	31, 32
64	Section 9- Contract Forms		We understand that separate contracts will be placed as per the following: - Bihpuria Supply - Bihpuria Erection - Jakhlabandha Supply - Jakhlabandha Erection - Bihpuria Line Supply - Bihpuria Line Erection - Jakhlabandha Line Supply - Jakhlabandha Line Erection Further separate Bank Guarantees will be supplied by the Contractor for each of the above contracts. Please confirm our understanding.	BG can be either for single contract or in combination of one or more lots. In either case, minimum amount as indicated should be met	
65	Appendix 1: Terms and Procedures of Payment	Clause 7 Employer shall, however, deduct such taxes at source as per the rules and issue necessary Certificate to the Contractor.	Please confirm whether BOCW will be applicable only on the Erection Works (Schedule 4 ) or on the entire Contract (Schedule 1, 2 & 4)	the BOCW taxes shall be applicable on the Contract for Service Bill only which is 1% of the whole contract value	

66	Appendix 2 – Price Adjustment	Price variation shall be paid to contractor for the specified major items as mentioned below as per formula specified by IEEMA along with documentary evidence for different indices applicable for Price Adjustment from IEEMA.	We request for Price Variation for the following additional items: - Battery Bank & Charger - 33kV Indoor Switchgear - LT Panels (ACDB, DCDB, BMK, MLDB, ELDB, MCDB, MCBDB, other DB) - Earthing rods and flats - Insulator - Tools & Tackles and Testing Instruments	As per the provision of IEEMA.	
67	SCC Clause 27.10 a	The critical components covered under the extended defect liability are Power Transformers, IEDs and circuit Breakers, and the period shall be 180 (one hundred eighty) days beyond the defect liability period	Please confirm whether separate Bank Guarantees have to be issued for covering the additional defect liability period of critical components referred herein or a reduction in the original bank guarantee is acceptable to cover the additional defect liability period of critical components and GIS.	Either way is fine so long as there is sufficient amount to cover extended defect liability	
68	GCC Clause 3.6	The Contractor shall be an independent contractor performing the Contract. The Contract does not create any agency, partnership, joint venture, or other joint relationship between the parties hereto	We understand that as per ITB clause 4, the bid may be submitted by a Joint Venture meeting the qualification requirements. Please confirm our understanding.	Yes	

69	GCC Clause 9.2	"The Contractor confirms that it has entered into this Contract on the basis of a proper examination of the data relating to the Facilities, including any data as to boring tests provided by the Employer, and on the basis of information that the Contractor could have obtained from a visual inspection of the Site if access thereto was available and of other data readily available to it relating to the Facilities as of the date 28 days prior to Tender submission. The Contractor acknowledges that any failure to acquaint itself with all such data and information shall not relieve its responsibility for properly estimating the difficulty or cost of successfully performing the Facilities."	Please note that our offer is based on the documents and drawings provided with the tender. Any change in the requirements, specifications, drawings by M/s AEGCL will be construed as a change request. The change request shall result in a extension of the contract period and equitable adjustment of the contract price at mutually agreed rates along with equitable extension of time for catering to the change request. Please confirm our request.	All drawings are indicative and for tender purpose only. The successful bidder needs to submit all drawings proposing any changes and the same shall be approved by AEGCL during detail engineering. Once approved in the detail engineering if there are any changes in the requirement shall have to be mutual agreed between the contractor and AEGCL. But no cost shall be borne by AEGCL if there is no deviation of quantities after detail engineering.	
70	GCC Clause 9.8	The Contractor shall ensure that emissions, surface discharges, and effluent from the Contractor's activities shall not exceed the values stated in the Specification or prescribed by applicable Laws.	We request that the contractor is not held responsible for an pre-existing contamination or underground facilities present in the site. Encumbrance free land will be provided by M/s AEGCL to the contractor before commencement of the work. Please confirm our request.	AEGCL already possesses the plot of land and will be handed over to the contractor immediately after contract signing. However, any clearance related to jungle cutting etc or permission need to be done by the contractor.	

				The contractor shall adhere to the ESMPF issued by AEGCL.	
71	GCC Clause 10.1	“All information and/or data to be supplied by the Employer as described in the Appendix (Scope of Works and Supply by the Employer) to the Contract Agreement shall be deemed to be accurate, except when the Employer expressly states otherwise.”	Please note that information provided in the tender form the basis of our offer. Any changes in the information provided in the tender after award of the contract will entitle the Contractor to equitable adjustments of the Contract Price and extension of time of the contract. Please confirm our request.	Yes.	

72	GCC Clause 10.2	The Employer shall be responsible for acquiring and providing legal and physical possession of the Site and access thereto, and for providing possession of and access to all other areas reasonably required for the proper execution of the Contract, including all requisite rights of way, as specified in the Appendix (Scope of Works and Supply by the Employer) to the Contract Agreement. The Employer shall give full possession of and accord all rights of access thereto on or before the date(s) specified in that Appendix.	We understand that accessible and encumbrance free land will be handed over to the Contractor before commencement of the site. Please confirm our understanding.	AEGCL already possesses the plot of land and will be handed over to the contractor immediately after contract signing. However, any clearance related to jungle cutting etc or permission need to be done by the contractor. The contractor shall adhere to the ESMPF issued by AEGCL	
73	GCC Clause 10.8	In the event that the Employer shall be in breach of any of his obligations imposed by the Contract, then the additional cost reasonably incurred by the Contractor in consequence thereof shall be added to the Contract Price.	In addition to the reimbursement of additional costs for breach of the Employer's contractual obligations, we also request the Employer to provide equitable extension of time of the contract. Please confirm our request.	as per contract	

74	GCC Clause 12.1	The Contract Price shall be paid as specified in Article 2 (Contract Price and Terms of Payment) of the Contract Agreement and in the Appendix (Terms and Procedures of Payment) to the Contract Agreement, which also outlines the procedures to be followed in making application for and processing payments.	In the case of joint ventures, we request that each party can submit invoice direct to AEGCL for the works performed as the said party's scope of the JV. Payments to the said parties of the joint venture will be made by AEGCL directly to the Bank Account of each party / through opening of sight LC in favour of each party. Please confirm our request.	Not acceptable.	
75	GCC Clause 12.3	In the event that the Employer fails to make any payment by its respective due date or within the period set forth in the Contract, the Employer shall pay to the Contractor interest on the amount of such delayed payment at the rate(s) shown in the Appendix (Terms and Procedures of Payment) to the Contract Agreement for the period of delay until payment has been made in full, whether before or after judge not or arbitration award.	We request you to please specify the following: - the period after which the interest for delay in payments will be applicable - the rates of the interest.	Not applicable	

76	GCC Clause 19.1	The Appendix 5 (List of Major Items of Plant and Services and List of Approved Subcontractors) to the Contract Agreement specifies major items of plant and services and a list of approved Subcontractors against each item, including manufacturers.	As the list of approved suppliers and subcontractors has not been provided in Appendix 5, we understand that we can propose suppliers and subcontractors who are approved M/s Power Grid/ any other government utilities. The relevant qualifying documents of the suppliers and subcontractors , as per SCC clause 19, will be submitted to the Employer for approval. Further more than one supplier/ subcontractor can be proposed for each item. Please confirm our understanding.	Yes, subjected to approval from AEGCL.	
77	GCC Clause 23.2	the Employer shall bear all costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses	We understand that the employer shall bear all expenses incurred ,in conducting all inspections/ tests (including stage inspection if any) and attending trainings at vendors works, including, but not limited to, all traveling, boarding, fooding, local conveyance and lodging expenses. Please confirm our understanding.	As per bid document.	

78	GCC Clause 25.3.4	If within 7 days after receipt of the Contractor's notice, the Project Manager fails to issue the Operational Acceptance Certificate or fails to inform the Contractor in writing of the justifiable reasons why the Project Manager has not issued the Operational Acceptance Certificate, the Facilities or the relevant part thereof shall be deemed to have been accepted as of the date of the Contractor's said notice.	Along with the deemed acceptance, we also request for the release of all retention payments of the Contract. Please confirm our request.	Retention payment will be released as per the contractual clause.	
79	GCC Clause 25.4.1	If the Contract specifies that Completion and Commissioning shall be carried out in respect of parts of the Facilities, the provisions relating to Completion and Commissioning including the Guarantee Test shall apply to each such part of the Facilities individually, and the Operational Acceptance Certificate shall be issued accordingly for each such part of the Facilities.	As there are separate price schedules for each substation and transmission line, we request for issue of Completion Certificate and Operational Acceptance Certificate individually for each substation and line. Please confirm our request.	This is turn key project therefore, no individual completion certificate and operational acceptance certificate shall be issued. The certificate shall only be issue if both substation as well as transmission lines are completed and put in to operation.	



80	GCC Clause 25.5.2 (b)	" payments due to the Contractor in accordance with the provision specified in the Appendix (Terms and Procedures of Payment) to the Contract Agreement, which would not have been payable in normal circumstances due to noncompletion of the subject activities, shall be released to the Contractor against submission of a security in the form of a bank guarantee of equivalent amount acceptable to the Employer,	Please confirm that the payment referred herein also encompasses all retention payments due in the project.	The amount which shall be retained already from the contractor invoices only is payable to the contractor on submission of equivalent amount of bank guarantee which shall have to be valid up to the defect liability period.	
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81	GCC Clause 29.1	Such indemnity shall not cover any use of the Facilities or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, any infringement resulting from the use of the Facilities or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Contractor, pursuant to the Contract Agreement.	<p>We request you to kindly include below exceptions to the indemnity-</p> <p>“Contractor shall have no obligation or liability with respect to any Claim based upon (a) Products or Services that have been modified, or revised, (b) failure of Purchaser to implement any update provided by Contractor that would have prevented the Claim, or (c) Products or Services made or performed to Purchaser’s specifications. For avoidance of any doubt each party shall retain ownership of all confidential information and intellectual property it had prior to the contract. All rights in and to products not expressly granted to Purchaser are reserved by contractor. All new intellectual property conceived or created by contractor in the performance of this contract, whether alone or with any contribution from Purchaser, shall be owned exclusively by contractor. Purchaser agrees to deliver assignment documentation as necessary to achieve that result.”</p> <p>Please confirm our request.</p>	No change	
82	GCC Clause 31.4	Ownership of any Plant in excess of the requirements for the Facilities shall revert to the Contractor upon Completion of the Facilities or at such earlier time when the Employer and the Contractor agree that the Plant in question are no longer required for the Facilities.	<p>Please note that the Contract Price is based on the Bill of Quantity specified in the tender. Further all equipment/ materials will be supplied as per the approved Bill of Quantity ascertained after approval of detailed engineering drawings by the Employer.</p> <p>We request that, in case the equipment/ materials supplied are in excess of the quantities consumed during execution, the excess quantities may be retained by the employer and no deductions are made to the Contract price on account of the excess</p>	All drawing are indicative and for tender purpose only. The bidder shall quote as per the actual requirement that are felt deem to be required for successful completion of the contract.	

			materials. Please confirm our request.		
83	GCC Clause 35	Unforeseen Conditions	We request you to kindly include the following in the said clause:- “Contractor has no responsibility or liability for the pre-existing condition of Purchaser’s equipment or the Site. Prior to Contractor starting any work at Site, Purchaser will provide documentation that identifies the presence and condition of any Hazardous Materials existing in or about Purchaser’s equipment or the Site that Contractor may encounter while performing under this Contract. Purchaser shall disclose to Contractor industrial hygiene and environmental monitoring data regarding conditions that may affect Contractor’s work or personnel at the Site. Purchaser shall keep Contractor informed of changes in any such conditions” Please confirm our request.	No change	

84	GCC Clause 37.1.d	strike, sabotage, lockout, embargo, import restriction, port congestion, lack of usual means of public transportation and communication, industrial dispute, shipwreck, shortage or restriction of power supply, epidemics, quarantine, and plague;	We request for incorporation of “ <b>pandemics</b> ” in the said clause.	No change	
85		General	The impacts of Coronavirus cannot be reasonably determined at this time. This proposal does not account for any potential adverse impacts of Coronavirus on GE’s performance of obligations. In the event of any delays and adverse impacts, GE reserves the right for an equitable adjustment of the schedule and prices herein to offset the effects of Coronavirus delays.	No change	

86		Additional Clause - Nuclear Use	<p>We request you to kindly include below clause:-</p> <p>“The Material/equipment/services sold by the Contractor are not intended for use in connection with any nuclear facility or activity, and the Purchaser warrants that it shall not use or permit other to use the material/equipment/services for such purpose, without advance written consent of Contractor.</p> <p>If in breach of this, any such use occurs, Contractor (and its parent, affiliate, suppliers and subcontracts) disclaims all liability for any nuclear or other damage, injury or contamination, and, in addition to any other rights of Contractor, Purchaser shall indemnify and hold Supplier (and its parent, affiliates and employees) harmless against all such liability.</p> <p>Consent of Contractor under this section to any nuclear use, if any, will be conditioned upon additional terms and conditions that Contractor determines acceptable for protection against nuclear liability.”</p> <p>Please consider our request.</p>	As per bid	
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87	221	<p><b><u>B. Progressive payments for supply items:</u></b> Maximum 20 (twenty) Nos. of progressive summary supply invoice would be entertained</p> <p><b><u>Progressive payments for Erection Works:</u></b> Maximum 10 (ten) Nos. of progressive summary erection invoice/ bill would be entertained during entire erection work.</p>	<p>The total project duration is 36 months for completion. We request you to kindly allow the contractors to raise atleast one bill per month separately both for Supply and Installation .</p> <p>Kindly confirm.</p>	Addendum issued.	31, 32
88	221	<p><b><u>Within 60 (sixty) days</u></b> from the date of submission of the invoice against supply, not more than 60% (sixty percent) payment of the total supply invoice value would be made, on receipt and acceptance of materials in full and good conditions <b><u>(Subject to availability of fund)</u></b></p>	<p>Kindly confirm that the supply payment will be made within 60 days from the date of submission of the invoice against supply.</p>	Yes	

89	224	Taxes & Duties in respect of transaction between Employer and the Contractor and octroi /entry tax as applicable for destination site/state on all items of supply including boughtout finished items (as identified in the Contract), which shall be dispatched directly from the sub-vendor's works to the Employer's site (sale-in-transit) will be paid after each shipment against documentary evidence. This payment shall be released by Employer directly to the Contractor against invoices to be submitted by the Contractor after necessary deduction of tax as per Law of the Land.	The subject clause is obsolete. The same needs to be replaced with GST.	Taxes will be applicable as per the prevailing Law of the Land.	
90	Section 8 SCC clause 11.2 (b)	Contract price shall be adjusted for increase or decrease in rates for labour, material, fuel lubricants input to works in accordance with IEEMA	We understand that price variation clause will be applicable to shall supplies and service as per IEEMA	As per the provision of IEEMA.	
91	Section 7 GCC clause 12.3	In the event of employer fails to make payment within stipulated time as per contract, interest to the contractor shall be paid for delayed amount	WE understand the interest rate will be PLR of SBI +1%	No interest on delayed payment.	

92	Section 2: Tender Data Sheet (TDS): ITT 11.2 (k)	The Tenderer shall submit with its bid the following additional documents: 2. Type Test Certificates	In the online submissions , limited data space will be available in the tender website portal. Each GIS suppliers Type test report will be more than 1GB. Since Multiple suppliers are allowed, it is not possible to upload complete report. Hence, we shall submit the Topsheets in the tender portal and the complete type test report shall be submitted in a seperate CD along with EMD BG submission. Kindly accept our request and confirm	The bidder shall upload as many documents as possible in the e-tender portal and shall submit a list of the remaining tests in a pdf. Beside the bidder shall submit a declaration that they will submit those as and when sought.	
93	Section 2: Tender Data Sheet (TDS): ITT 16.1 (b)	The period following commissioning of plant and services in accordance with provisions of the contract shall be 10 years.	We presume that the undertaking is required from manufacturer of GIS at the time of vendor approval. please confirm.	As per ITT 45.1 of TDS	
94	Section 5: Eligible Country	In reference to ITT 4.8 and 5.1, for the information of the Tenderers, at the present time firms, goods and services from the following countries are excluded from this Tendering process: Under ITB 4.8 (a) and 5.1: Under ITB 4.8 (b) and 5.1:	No countries are specified. We presume there is no limitation in the countries. Please confirm.	Yes	



95	Section 7: General Condition of Contract, 14. Taxes and Duties	Notwithstanding GCC Subclause 14.1 above, the Employer shall bear and promptly pay all customs and import duties as well as other local taxes like, e.g., a value-added tax (VAT), imposed by the law of the country where the Site is located on the Plant specified in Price Schedule No. 1 and that are to be incorporated into the Facilities.	VAT is abolished in India. We understand that during tender financial evaluation Custom duties and GST will not be considered for evaluation and the same will be paid at actual. Please confirm.	Taxes will be applicable as per the prevailing Law of the Land.	
96	Section 8: Special Condition of Contract, 7. Scope of Facilities	<p>The Contractor agrees to supply spare parts for a period of years: Ten (10) Years. An undertaking to the effect that the spare parts shall be made available to AEGCL by the contractor for a period of ten (10) years should be furnished by the contractor. The undertaking shall be under ought by the contractor executed through Non-judicial stamp paper of Rs. 100/- or above to be notarized in India.</p> <p>The Contractor shall carry sufficient inventories to ensure an ex-stock supply of consumable spares for the Plant. Other spare parts and components shall be</p>	Please note that all the inventories are generally kept by the Manufacturers and not by the contractor. Hence, we request that the undertaking shall be provided by the supplier/ Manufacturer at the time of vendor approval for the main supply materials like GIS, Transformers, CRP and SAS only. Please confirm.	It is the contractor's responsibility to secure undertaking form the manufacturer or supplier.	

		<p>supplied as promptly as possible, but at the most within 6 months of placing the order. In addition, in the event of termination of the production of spare parts, advance notification will be made to the Employer of the pending termination, with sufficient time to permit the Employer to procure the needed requirement. Following such termination, the Contractor will furnish to the extent possible and at no cost to the Employer the blueprints, drawings and specifications of the spare parts, if requested.</p>			
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97	<p>Section 8: Special Condition of Contract, 13. Securities</p>	<p>For GIS equipment manufactured and supplied from abroad, the contractor shall have to extend the Performance BG within one month prior to expiry of the Performance BG furnished for the main contract to cover the extended guarantee period plus two months as part of the contract performance to cover the Contractor's extended defect liability in accordance with the provision in the SCC, pursuant to GCC Subclause 27.10.</p> <p>Extended guarantee for the GIS equipment shall be for five (5) years beyond the defect liability period of the contract. The amount of the BG shall be 20% of the GIS equipment cost and shall be in Non-Judiciary stamp papers of worth minimum Rs. 100/- However, BG period may be split up subject to the condition that BG would be extended from time to time to cover the warranty period. Moreover, before one month (i.e. 30 days) of expiry of the BG, renewal is to be done by the contractor, otherwise</p>	<p><b>From the above referred clause and also clause EQC 2.5 for GIS Manufacturer,</b> We understand that the Performance BG required only for GIS equipments supplied from Abroad and no Performance BG is required incase the GIS equipments are supplied from India.</p> <p>In addition, we request to accept 10% instead of 20% performance BG to be submitted by such GIS supplier for 5 years from the date of operational acceptance.</p>	<p>1. Addendum issued. It is applicable for all GIS manufacturer irrespective of supplied from abroad or from India. <b>Addendum issued</b></p> <p>2. Not acceptable</p>	27
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		<p>revocation would be done by AEGCL within claim period.</p> <p>The performance security shall not be reduced on the date of the Operational Acceptance</p>			
98	Section 8: Special Condition of Contract, 27. Defect Liability	The critical components covered under the extended defect liability are Power Transformers, IEDs and circuit Breakers, and the period shall be 180 (one hundred eighty) days beyond the defect liability period (as per clause 27.2 of GCC).	We presume that Performance BG period shall not be extended for the extended defect Liability of Power Transformers, IEDs and circuit Breaker. Please confirm.	As mentioned in the Bid.	

99	Section 8: Special Condition of Contract, 27. Defect Liability	The other critical components covered under the extended defect liability period are GIS equipment and the period shall be for five (5) years beyond the defect liability period of the contract (as per clause 27.2 of GCC). The Bidder/GIS manufacturer shall furnish performance guarantee for an amount of 20% of the ex-works cost of GIS equipment(s) for a period of five (5) years to cover the extended defect liability period.	<p>Since the bidder is already submitting the performance BG as per contract, the additional BG shall be submitted by the overseas GIS suppliers only and the validity of the BG shall be 60 months from the date of Operational Acceptance . Accordingly, the below corrections are requested.</p> <p>b) The other critical components covered under the extended defect liability period are GIS equipment and the period shall be for five (5) years from the date of Operational Acceptance <del>beyond the defect liability period of the contract</del> (as per clause 27.2 of GCC). The <del>Bidder</del>/GIS manufacturer <b>supplying from outside India</b> shall furnish performance guarantee for an amount of <b>10%</b> <del>20%</del> of the ex-works cost of GIS equipment(s) for a period of five (5) years to cover the extended defect liability period.</p>	No change	
100	Section 9: Contract Forms,Appendix 2: Price Adjustment	<p>In the price variation formula, base date shall be considered to the indices as on 28 days prior to the date of Bid opening (referred to base date indices).</p> <p>Applicable date shall be considered as on 49 days prior to date of inspection / waiver of inspection of the material offered and date of joint measurement sheet whichever is applicable.</p>	<p>We understand from the contract clause, bidder to follow IEEMA formula and IEEMA indices only. As per IEEMA formula, the applicable indices date for each component will vary. Hence we request below modification.</p> <p>"Base date and applicable date shall be inline with the IEEMA formula only. Please confirm.</p>	As per Bid.	

101	Section 4: Tender Forms, Affiliate Company Guarantee		<p>We presume that the word "contractor" mentioned in the format refers to the "suppliers/Manufacturers" who will be supplying the equipments based on Affiliate company guarantee, incase of award of contract.</p> <p>Kindly confirm that the format shall be submitted after award of contract, from the selected manufacturer.</p>	This is turn key project and contractor is responsible to source all materials either though supplier or manufacturer or its affiliates	
102	Bidding Document		<p>Subsequently during our various discussion, we have gathered a few details about the financial progress of this project as below- Date of Concept decision which was scheduled on 11/2019 as per AIIB Project Summary is already completed by AIIB Estimated date of appraisal decision which is scheduled on 5/2020 will remain unchanged. Since AEGCL has already floated tenders for 30% of total project estimate, therefore the appraisal decision will also happen between Govt of India, State Govt of Assam and AIIB as per above scheduled date. Estimated Date of financing approval is scheduled originally on Q2/2020 (i.e. June '20) which will remain unchanged. However implementing authority AEGCL will continue the process of floated tender activities which will include technical evaluation as well as price bid opening but AEGCL will release Purchase Order/LOA to successful bidder only after financial approval and establishment of loan disbursement agreement between AIIB and Govt. of India. Project site lands are already acquired for all</p>	concern stakeholders will take care of this issue.	

			<p>floated tender packages and are available with AEGCL.</p> <p>We presume that our understanding about above funding process is in line with AIIB project summary document (Document Code: PD000302-PSI-IND) and we will request your one-line confirmation on the topic.</p>		
103	General		<p>Please inform us the Relation of EMD BG value to Contract value which is usually 1 Or 2 % of bid value.</p>	<p>EMD as mentioned in IFB</p>	
104	General		<p>Please confirm the present Status of Agreement signing between AEGCL/GoAssam with AIIB.</p>	<p>Concerned stakeholder will take care of this issue</p>	
105	General		<p>Please confirm whether AIIB funding is for 100% of Contract value? If not, what will be the resource to finance ETC, Civil works, and GST?</p>	<p>The project is co-financed by government of Assam in the ratio of 70:30</p>	
106	ITT – Clause 7.1, 7.2, 7.3		<p>Land status will not be known during the site. Hence we request you to please confirm that substation plot is acquired and there is no encumbrance and same will be handed over to successful bidder within 1 week from the date of award.</p>	<p>Substation land is acquired. But all related clearance and permission if any shall be done by the contractor. The plot of land is ready for hand over immediately after contract award.</p>	

107	ITT – Clause 17.1, 17.2		Please confirm whether bidder to propose subcontractors/vendors along with bid or Employer will provide list of such makes. Is it allowed to submit those proposed vendors after award?	The bidder should provide subcontractor/vendor details along with the bid.	
108	ITT – Clause 18.4 & Clause no 12 . Of Section 7: General Condition of Contract		Please confirm whether any Import Duty benefits available for this project. If yes, whether same allowed on Raw materials also	It is the contractor's responsibility to explore it	
109	ITT – Clause 18.4 e)		Please confirm whether Recommended Spare Parts prices will be taken for evaluation or not	Will be taken for evaluation.	
110	ITT – Clause 18.7		Whether package discount clause will be applicable among Package A , B & C. please confirm.	Cross discount is applicable only for lots in a specified package	
111	ITT – Clause 39.5		There should be some limit (+/- %) as against the clause. Beyond any such limits, bid to be rejected.	No change. This is not MDB's practice	
112	ITT 11.2 (k)		Submission of Type Test Certificates - During tender stage, there will be multiple vendors and 72imet type test reports will be voluminous to submit with bid. During execution stage, only 1 or 2 bidders will be there, and same can be submitted during detailed engineering. Kindly accept the same.	No change	



113	Appendix 2: Price Adjustment		Price adjust bill be paid along with bills submitted. Kindly confirm.	Yes	
114					
115	2.5 (a) (V)	The Bidder/GIS manufacturer shall furnish performance guarantee for an amount of 20% of the ex-works cost of GIS equipment(s) for a period of five (5) years after completion of the defect liability period. This performance guarantee shall be in addition to Contract Performance Guarantee to be submitted by the bidder to cover the Contractor's extended defect liability in accordance with the provision in the SCC, pursuant to GCC Subclause 27.10.	Please amend the clause as "The Bidder" to furnish the additional performance guarantee to be submitted for an amount of 20% of the ex-works cost of GIS equipment, instead of "Bidder/ GIS manufacturer".	Addendum issued.	42, 52

116	Technical QR	Not Existing	<p><i>Bidder should be allowed to choose atleast 2 consortium partner to jointly participate in the bid with joint and several liability clause , any of the partner can be lead partner . Qualification criteria of different partner shall be as under</i></p> <p><i>1. Partner no 1 : should meet technical qualification of substation as per clause no <b>2.4.2 of technical QR</b></i></p> <p><i>2. Partner no 2 should have qualification for construction of 1 nos of 220 KV GIS substation comprising of 5 bays in India in last 5 years as per technical clause <b>2.4.1(a)part A of Technical QR</b></i></p> <p><i>3. Partner no 3 should meet technical qualification for construction of transmission line as per clause no <b>2.4.1(a)part B of Technical QR</b></i></p>	Addendum issued.	29, 30
117	ITT 4.1(b)	Maximum number of Partners in a Joint Venture/ Consortium for a Package is limited to TWO (02) only including the lead partner.	Maximum number of Partners in a Joint Venture/Consortium for a Package is limited to THREE (03) only including the lead partner.	Addendum issued.	28, 29

118	2.4.1 (a) Contracts of Similar Size and Nature	<p><b>Part A for Gas insulated Substation (GIS):</b> must have successfully executed and commissioned at least 2 (two) no. of GIS of 220kV Voltage level as that of the current Bid or must have successfully executed and commissioned at least 1 (one) no. of GIS of higher voltage level than that of the current Bid on Turnkey Contract basis including Engineering, Design, Supply, Execution and Commissioning with minimum Five (5) No. Of bays in each Substation for any Power Transmission utilities during <b>last 7 (Seven)</b> years reckoned from the original date of bid submission. The above work should have been under successful operation# for a minimum period of Two (2) years reckoned from the date of bid submission.</p>	<p>All partners combined shall meet the Qualification requirement of Part A and Part B. However Lead Partner shall meet the following criteria: Shall meet the qualification requirement at Part-A Or Shall meet the qualification requirement at Part-B Or Must have successfully executed and commissioned at least 1 (one) no. of GIS of 220kV Voltage level and at least 1 (one) no. of GIS of 132 kV voltage level on Turnkey Contract basis including Engineering, Design, Supply, Execution and Commissioning with minimum Five (5) No. of bays in each Substation for any Power Transmission utilities during last 7 (Seven) years reckoned from the original date of bid submission</p>	Addendum issued.	37, 47
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119	2.4.1 (a) Contracts of Similar Size and Nature	<p><b>Part B: FOR A BID OF 220KV TRANSMISSION LINE:</b> The Bidder must have <b>in house design, manufacturing &amp; testing facilities</b> for Transmission Line Tower and successfully commissioned at least 30 ckt km of length of 220kV (or above level) for a single project, or must have commissioned at least 30 ckt km of length of 132kV (or above level) for a single project including design of tower &amp; foundations, type testing of towers, supply of materials erection, testing &amp; commissioning on Turnkey Contract basis for any Power Transmission utilities during last 7 (Seven) years reckoned from the date of bid submission. The above work should have been under successful operation # for a minimum period of two years reckoned from the date of bid submission.</p>	<p>The Bidder must have successfully commissioned at least 30 ckt km of length of 132 kV (or above level) for a single project including supply of materials erection, testing &amp; commissioning on Turnkey Contract basis for any Power Transmission utilities during last 7 (Seven) years reckoned from the date of bid submission. The above work should have been under successful operation# for a minimum period of two years reckoned from the date of bid submission. However, the Manufacturers Authorisation from the Tower Manufacturer shall be submitted</p>	Addendum issued.	38, 48
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120	As per clause 2.5 (a) under section III of Volume-1	<p>I The Bidder should have designed, supplied, erected, tested and commissioned on supply cum erection basis at least three (3) GIS installations of 132kV or above voltage level in India during last 7 years having minimum 3 (three) nos. complete GIS Breaker Bays and which should be under satisfactory operation for at least two (2) year as on the originally schedule date of bid opening (Certificate of original customer to be submitted).”</p> <p>III. The Manufacturer shall have to furnish type test report of SF6 gas insulated sub-station equipment duly Designed, Manufactured, tested (as per IEC standard) which, shall not be older than Ten (10) years, as on date of bid opening. The language of the type test report should be in English.</p> <p>Type Test should have been conducted at any of the following internationally reputed testing laboratories,</p>	<p>GIS manufacturer who on its own does not meet the requirement as specified in I. &amp; III. Above, but has established production line in India for manufacturing of SF6 Gas Insulated Switchgear (GIS) based on technological support under 100% technology transfer of its parent company can also considered provided that they (Parent company) have manufactured type tested (as per IEC standard) of such equipment &amp; with the following stipulation:-</p> <p>(a) The GIS manufacturer’s parent company meets qualifying requirements stipulated under clause no. (I. &amp; III.) above.</p> <p>(b) The GIS manufacturer’s parent company has manufactured, type tested GIS equipment’s (as per IEC standard).</p> <p>(c) The GIS manufacturer furnishes followings:-</p> <p>I. An undertaking (jointly with the parent company to guarantee quality, timely supply, performance and warranty obligations as specified for the equipment(s) in the parent company’s (Holding Company) letter head, which is required to be submitted at the time of signing/execution of the contract agreement.</p> <p>II. Such manufacturer should submit valid manufacturing facility should be operational for minimum 3 years and supplied more than 50 bays of 132kV or above rated GIS from proposed Indian manufacturing facility.</p>	Addendum issued.	42, 52
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		<p>(a) KEMA (Holland)</p> <p>(b) CESI (Italy)</p> <p>(c) ) CERDA (France)</p> <p>(d) PHELA (Germany)</p> <p>(e) KERI (S. Korea)</p> <p>(f) ) CPRI/ERDA (India)</p>	<p>(d) GIS Manufacturer proposed Indian manufacturing facility should be operational for minimum 3 years and supplied more than 50 bays of 132 KV or above rated GIS from proposed Indian manufacturing facility.</p> <p>GIS Type testing of Parent Company can also be accepted, provided the design remains same as per 100% technology transfer.</p> <p>Alternatively</p> <p>If the above not accepted as GIS manufacturer (OEM) QR,</p> <p>The Bidder should have designed, supplied and supervised <del>erection, testing and commissioning erected, tested and commissioned on supply cum erection basis</del> at least <del>three (3)</del> 1(one) GIS installations of 132kV or above voltage level in India during last 7 years having minimum 3 (three) nos. complete GIS Breaker Bays and which should be under satisfactory operation for at least <del>two (2)</del> one (1) year as on originally schedule date of bid opening (Certificate of original customer to be submitted)</p> <p>GIS Type testing of Parent Company can also be accepted, provided the design remains same as per 100% technology transfer.</p>		
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121	2.4.2 Experience in Key Activities 2.4.2(a) Must be complied with by the Tenderer. In case of a Joint Venture Tenderer, at least one of the partners must meet the requirement in the key activity, page 50	For the above or other contracts executed during the period stipulated in 2.4.1, a minimum experience in the following key activities: a. Erection, pre-commissioning tests and commissioning of GIS equipment (220 kV and above voltage class) including Auto/Power Transformers and Control and Relay panel, SAS and should have 2 years performance within last seven (7) years period. b. The bidder or if the bidder is not a manufacturer must have designed, manufactured, type tested, supplied the following listed equipment, which are in successful operation for at least two years as on the date of bid opening. The bidder should list such works executed to substantiate the requirement of this Clause. (i) Power Conductors, (ii) disc/long rod Insulators and (iii) Transmission Line Towers (220 kV and above).	For the above or other contracts executed during the period stipulated in 2.4.1, a minimum experience in the following key activities: a. Erection, pre-commissioning tests and commissioning of GIS/AIS equipment (220 kV and above voltage class) including Auto/Power Transformers and Control and Relay panel, SAS/RTU and should have 2 years performance within last seven (7) years period. b. The bidder or if the bidder is not a manufacturer must have designed, manufactured, type tested, supplied the following listed equipment, which are in successful operation for at least two years as on the date of bid opening. The bidder should list such works executed to substantiate the requirement of this Clause. (i) Power Conductors, (ii) disc/long rod Insulators and (iii) Transmission Line Towers (220 kV and above).	<b>Not Acceptable</b>	
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122	Clause 2.5 on page 52 of Vol.I	<p>I. The Bidder should have designed, supplied, erected, tested, and commissioned on supply cum erection basis at least three (3) GIS installations of 220kV or above voltage level in India during last 7 years having minimum 3 (three) nos. complete GIS Breaker Bays and which should be under satisfactory operation for at least two (2) year as on the originally schedule date of bid opening.</p> <p>III. The Manufacturer shall have to furnish type test report of SF6 gas insulated sub-station equipment duly Designed, Manufactured, tested (as per IEC standard) which, shall not be older than Ten (10) years, as on date of bid opening. The language of the type test report should be in English. Type Test should have been conducted at any of the following</p>	<p>I. The stringent requirement of completion of 3 nos. 220kV GIS substations with 2 years performance in design, supply, erection, testing commissioning is specified. <b>You will please agree these GIS manufacturers do manufacture and supply the product.</b> In normal course, they will not have the turnkey experience of erection, testing &amp; commissioned. In view of the fact that the EPC bidder to AEGCL is required to have the turnkey experience, this clause may please be reviewed and made feasible for the Indian subsidiaries of overseas GIS companies to be able to supply GIS. To support and ensure performance, the parent/principal may be allowed to submit credentials meeting the qualification instead of the Indian subsidiary, and also submit an additional performance guarantee. This again is a very usual practice followed by many central/state Utilities supporting the above GoI initiative. Since the Indian subsidiary of overseas GIS suppliers have recently set up their factories, 01 (one) number 220kV GIS with 01 years satisfactory performance would enable them to participate in sub-vendor domain.</p>	Addendum issued.	42, 52
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		<p>internationally reputed testing laboratories,</p> <p>(a) KEMA (Holland) (b) CESI (Italy) (c) ) CERDA (France) (d) PHELA (Germany) (e) KERI (S. Korea) (f) ) CPRI/ERDA (India)</p>	<p>III. The specified qualification criteria for GIS vendors are said to be very stringent and limiting within very few GIS manufacturers who also may be a direct EPC bidder also to AEGCL. As some of the globally reputed overseas GIS suppliers from China, South Korea have setup their factories/subsidiaries in India under “Make in India” initiative of GoI recently within last few years. These Indian Subsidiaries are necessarily following type tested design of their Parent company abroad and have the capacity to supply the tender requirement from Indian factory. Hence, we understand type test reports of their overseas parent/principal are acceptable to AEGCL and may be submitted with our bid. You will please note this is a very usual practice followed by central and many other State Utilities in India functioning under the ambit of the above GoI initiative.</p>	<p><b>Not Acceptable. Please refer to the Addendum.</b></p>	42, 52
			<p>In connection to the above, we wish to state that Type test as per IEC or equivalent standards from the globally reputed Chinese test laboratories such as XIHARI, AQTC may also be added.</p>		

123	Section 3: E valuation and Qualification Criteria, 2.3.2 Average Annual Turnover, Page-45	Minimum average annual turnover of <b>17 million US\$ (Seventeen million US\$) or INR 126 crore (One hundred Twenty Six crore)</b> calculated as total certified payments received for contracts in progress or completed, within the last five (5) years. Single Entity: Must meet requirement All Partners Combined: Must meet requirement Each Partner:Must meet 25% of the requirement (Lead Partner) One Partner:must meet 55% of the requirement Submission Requirements: Form FIN - 2	Minimum average annual turnover of 30 million US\$ (thirty million US\$) or ₹210 core ( rupees two hundred ten core) calculated as total certified payments received for contracts in progress or completed, within the last five (5) years. Single Entity: Must meet requirement All Partners Combined: Must meet requirement Each Partner:Must meet 25% of the requirement (Lead Partner) One Partner:must meet 50% of the requirement Submission Requirements: Form FIN - 2	Addendum issued.	33, 43
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124	<p>Section 3: Evaluation and Qualification Criteria, 2.4.2 Experience in Key Activities</p> <p>2.4.1 (a) Must be complied with by the Tenderer. In case of a Joint Venture Tenderer, at least one of the partners must meet the requirement in the key activity.</p>	<p>For the above or other contracts executed during the period stipulated in 2.4.1, a minimum experience in the following key activities:</p> <p>a. Erection, pre-commissioning tests and commissioning of GIS equipment (220 kV and above voltage class) including Auto/Power Transformers and Control and Relay panel, SAS and should have 2 years performance within last seven (7) years period.</p> <p>b. The bidder or if the bidder is not a manufacturer must have designed, manufactured, type tested, supplied the following listed equipment, which are in successful operation for at least two years as on the date of bid opening. The bidder should list such works executed to substantiate the requirement of this Clause. (i) Power Conductors, (ii) disc/long rod Insulators and (iii) Transmission Line Towers (220kV and above). Single Entity: Must meet requirement Joint venture: Must meet requirement</p>	<p>For the above or other contracts executed during the period stipulated in 2.4.1, a minimum experience in the following key activities:</p> <p>a. Erection, pre-commissioning tests and commissioning of GIS equipment (220 kV and above voltage class) including Auto/Power Transformers and Control and Relay panel, SAS and should have 2 years 1 (one) years performance within last seven (7) years period.</p> <p>b. The bidder or if the bidder is not a manufacturer must have designed, manufactured, type tested, supplied the following listed equipment, which are in successful operation for at least two years as on the date of bid opening. The bidder should list such works executed to substantiate the requirement of this Clause. (i) Power Conductors, (ii) disc/long rod Insulators and (iii) Transmission Line Towers (220kV and above). Single Entity: Must meet requirement Joint venture: Must meet requirement Submission Requirements: Form EXP - 2</p>	<b>Not Acceptable</b>	
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		nt Submission Requirements: Form EXP - 2			
125	General Query	We have observed that in this tender floated by a Assam Govt department, no provision has been made for MSME's to participate in the tender whereas Government of India and various State Govts encourage various MSME's participation so that the sector is benefited and in turn generates employment in the most crucial strata of our society. Moreover owing to ongoing COVID-19 crisis, the MSME sector is the worst hit sector and would need not only economic stimulus from the Governments but also their encouragement and support for the sector to get more business so that there are no job losses and ensure survival of the sector. It is therefore our humble appeal to allow participation of MSME in this project with its accompanied exemptions so that there is a level playing field and the department also secures the benefit of latest technology commensurate with lowest possible prices in the market today.			<b>This is MDB financed project, no preferential treatment is allowed</b>

126	2.4.2 Experience in Key Activities, page 50	<p>For the above or other contracts executed during the period stipulated in 2.4.1, a minimum experience in the following key activities:</p> <p>a. Erection, pre-commissioning tests and commissioning of GIS equipment (220 kV and above voltage class) including Auto/Power Transformers and Control and Relay panel, SAS and should have 2 years performance within last seven (7) years period.</p> <p>b. The bidder or if the bidder is not a manufacturer must have designed, manufactured, type tested, supplied the following listed equipment, which are in successful operation for at least two years as on the date of bid opening. The bidder should list such works executed to substantiate the requirement of this Clause. (i) Power Conductors, (ii) disc/long rod Insulators and (iii) Transmission Line Towers (220 kV and above).</p>	<p>No Change Proposed</p> <p>a. Erection, pre-commissioning tests and commissioning of GIS equipment (220 kV and above voltage class) including Auto/Power Transformers and Control and Relay panel, SAS from the original date of bid submission</p> <p>No Change Proposed</p> <p><b>Must be complied with by the Tenderer. In case of a Joint Venture Tenderer, at least one of the partners must meet the requirement in the key activity.</b></p>	<b>Addendum issued.</b>	41, 51
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127	clause no 2.4.1 (a), Part B of Section 3: Evaluation and Qualification Criteria)		Tender calls for inhouse Tower Testing facilities. We bring to highlight that this is not a standard requirement and also is not being followed in Power Industry. In India, CPRI testing laboratories is available which are run by Government. Such requirement will gives unfair advantage to few bidders who have set ups these labs for some commercial purpose. Bidders should be assesses and qualified based on their technical and financial capabilities, not through testing labs. Incase any test to be done on towers, same can be easily done at labs and materials can be supplied to you. The present qualifying condition of In-house Testing Facilities is redundant and will not in any way measure the technical and financial capabilities of a bidder. Hence we request you to please delete the same i,e in House Testing facilities or re-define the same as "in house routine test facilities in factory"	Addendum issued.	38, 48
128	2.4.2 Experience in Key Activities, Table A b)		In referred clause you are seeking type tested product. Hence requirement of above inhouse Tower Testing facilities is contradictory to this clause. Hence, we request you to please delete the same i,e inhouse Testing facilities or re-define the same as "in house routine test facilities in factory"	Addendum issued.	41, 51
129	As per clause no 2.4 Tenderer's Experience, under Section III Volume 1		We would like to inform you that there are many foreign GIS manufacturers (OEM) who have established manufacturing facility in India recently and this is complementing our GOI MAKE IN INDIA iniative. In view of above we request you to kindly consider technical experiance of the OEM's parent company and alow them to part of JV. PQ change as requested below.	<b>Please refer to the addendum against clause 2.5 (a)</b>	

130			<p>Incase Bidder /JV partner is Indian GIS Manufacturer(s) who have established production line in India for these GIS Equipment(s) based on technological support under 100% technology transfer &amp; having Technical Collaboration with the Parent Company shall also be considered provided that the Parent Company should meet the experience mention in Part A for Gas insulated Substation (GIS). All the documents / evidences as required in this regard should be submitted along with the Bid.</p>	<p><b>Please refer to the addendum against clause 2.5 (a)</b></p>	
131	As per clause 2.5 (a) under section III of Volume-1:		<p>We would like to inform you that there are many foreign GIS manufacturers (OEM) who have established manufacturing facility in India recently and this is complementing our GOI MAKE IN INDIA initiative. In view of above we request you to kindly consider technical experience of the OEM's as requested below.</p>	<p><b>Please refer to the addendum against clause 2.5 (a)</b></p>	
132			<p>The Bidder should have designed, supplied and supervised erection, testing and commissioning at least 1 (one) GIS installations of 220kV or above voltage level in India during last 7 years having minimum 3 (three) nos. complete GIS Breaker Bays and which should be under satisfactory operation for at least one (1) year as on the originally schedule date of bid opening (Certificate of original customer to be submitted). Parent company undertaking will also be given for successful operation of GIS.</p>		

133	Section 3: Evaluation and Qualification Criteria, Clause no 1.3.2		Time period specified as 36months which seems very much longer period. Is there any specific reasons for such longer period, kindly elaborate	<b>The employer will be very happy if the work is completed earlier than 36 months.</b>	
134	Section 3: Evaluation and Qualification Criteria,, 2.4.2(b)		<p>As per referred clause, the subcontracting is allowed subjected to that the subcontracting works shall not exceed 30% of the total contract value.</p> <p>Please do not put such restriction otherwise these bids will be limited to only manufacturers only and there are hardly any EPC players who can meet such requirements.</p> <p>This can be applied for Service contract, no supply contract. please accept our request.</p>	<b>Not Acceptable</b>	
135	2.4.1(a) & 2.4.2(a)		Out of three partners any one to meet 220 kV GIS experience and 25% Annual TO, second partner to meet 220 kV TL experience & 25% Annual TO, third party to meet atleast successfully commissioning of 2 Nos. 220 kV AIS Bays & 55% Annual TO.	<b>Not Acceptable</b>	
136			Any partner can be a lead bidder who meets 100% Financial Requirements against clauses 2.3.2 & 2.3.3	<b>Yes</b>	



137			<p>Bid can be submitted by a JV bidder of two in which case one partner to TL experience and other partner, who meets 100% Financial Requirements, can submit bid with a MANUFACTURER AUTHORISATION LETTER on a Judicial paper for complying the technical requirements as per bid documents and confirmation of guarantee and supply of spares and carrying out erection testing commissioning under OEM supervision.</p>	<b>Addendum issued</b>	
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138	Section 3: 2.5(a)	<p>The Manufacturer shall have to furnish type test report of SF6 gas insulated substation equipment duly designed, manufactured, tested (as per IEC standard) which, shall not be older than Ten(10) years, as on date of bid opening.</p> <p>The language of the type test report should be in English. Type test should have been conducted in any of the following internationally reputed testing laboratories,</p> <ul style="list-style-type: none"> <li>a) KEMA (Holland)</li> <li>b) CESI (Italy)</li> <li>c) CERDA (France)</li> <li>d) PHELA (Germany)</li> <li>e) KERI (S. Korea)</li> <li>f) CPRI/ERDA (India)</li> </ul>	<p>The reports for all type tests as per technical specification shall be furnished by the Contractor along with equipments/material already accepted in POWERGRID shall be applicable for for all projects with similar requirement. <b>The type tests conducted earlier should have either been conducted in accredited laboratory (accredited based on ISO/IEC Guide 25/17025 or EN 45001 by the national accreditation body of the country where laboratory is located) or witnessed by POWERGRID or representative authorized by POWERGRID or Utility or representative of accredited test lab. Unless otherwise specified elsewhere, the type test reports submitted shall be of the tests conducted within last 10 (ten) years from the date of NOA.</b> In case the test conducted earlier than 10 (ten) years from the date of NOA, the contractor shall repeat theses test(s) at no extra cost to employer.</p> <p>Further, in the event of any discrepancy in the test reports i.e. any test report not acceptable due to any design/manufacturing changes or due to non-compliance with the requirement stipulated in Technical Specification or any/all type tests not carried out, same shall be carried out without any additional cost implication to the Employer.</p> <p>The Contractor shall intimate the Employer the detailed program about the type tests atleast two(2) weeks in advance in case of domestic supplies &amp; six (6) weeks in advance in case of foreign supplies.</p>	As per BID and its subsequent addendum	
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139	2.3.2 Average Annual Turnover	<p>Minimum average annual turnover of 30 million US\$ (thirty million US\$) or ₹210 crore ( rupees two hundred ten crore) calculated as total certified payments received for contracts in progress or completed, within the last five (5) years.</p> <p>i) Each Joint venture Party must meet 25% of the requirement</p> <p>ii) One Joint venture Party must meet 55% of the requirement</p>	<p>i) Each Joint venture Party must meet 15% of the requirement</p> <p>ii) One Joint venture Party must meet 60% of the requirement</p>	<b>Not Acceptable</b>	
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140	<p>Part B: FOR A BID OF 220KV TRANSMISSION LINE: The Bidder must have inhouse design, manufacturing &amp; testing facilities for Transmission Line Tower and successfully commissioned at least 30 ckt km of length of 220kV (or above level) for a single project, or must have commissioned at least 30 ckt km of length of 132kV (or above level) for a single project including design of tower &amp; foundations, type testing of towers, supply of materials erection, testing &amp; commissioning on Turnkey Contract basis for any Power Transmission utilities during last 7 (Seven) years reckoned from the date of bid submission. The above work should have been under successful operation for a minimum period of two years reckoned from the date of bid submission. Satisfactory operation means certificate issued by the Employer certifying the operation without adverse remark. In case bidder is a holding company, the technical experience referred above shall be of that holding</p>	<p>Part B: FOR A BID OF 220KV TRANSMISSION LINE: The Bidder must have successfully commissioned at least 15 ckt km of length of 220kV (or above level) for a single project, or must have commissioned at least 15 ckt km of length of 132kV (or above level) for a single project including testing &amp; commissioning on Turnkey Contract basis for any Power Transmission utilities during last 7 (Seven) years reckoned from the date of bid submission. The above work should have been under successful operation# for a minimum period of One years reckoned from the date of bid submission. # Satisfactory operation means certificate issued by the Employer certifying the operation without adverse remark. In case bidder is a holding company, the technical experience referred above shall be of that holding company only (ie., excluding its subsidiary/group companies). In case bidder is a subsidiary of a holding company, the technical experience referred above shall be of that subsidiary company only ( i.e., excluding its holding company). The proof for the above experience shall be submitted along with the bid.</p>	<p><b>Addendum issued.</b></p>	<p>38, 48</p>
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		company only (ie., excluding its subsidiary/group companies). In case bidder is a subsidiary of a holding company, the technical experience referred above shall be of that subsidiary company only ( i.e., excluding its holding company). The proof for the above experience shall be submitted along with the bid.			
141	2.4.2(a) Experience in Key Activities	Must be complied with by the Tenderer. In case of a Joint Venture Tenderer, at least one of the partners must meet the requirement in the key activity.	Must be complied with by the Tenderer. In case of a Joint Venture Tenderer, all partners must meet the requirement in the key activity.	<b>Any partners can combine meet the criteria.</b>	
142	<b>Clause no : 2.4 :Qualification for EPC:</b> The GIS Substation should have been under successful operation# for a minimum period of Two (2) years reckoned from the date		We are Indian GIS Manufacturers have established manufacturing facilities in India and have an ongoing Technology Licencing Agreement with our Collaborator for Design, Manufacturing, Testing, Supply and after sales services for GIS Equipment up to 400KV Voltage level in India. We understand that the collaborator can meet the specified requirements. Please confirm.	<b>Please refer to the addendum against clause 2.5 (a)</b>	

	of bid submission. The Commissioni ng of substations shall mean complete design, supply of equipment's, all civil works, erection of all bays and super structures and charging of the substation.				
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143	Scope: (Design, Engineering, Manufacture, Assembly, Inspection, Testing at Manufacturer 's Works before Dispatch, Packing, Supply, Delivery at Site, Including Insurance During Transit, Subsequent Storage, Erection and Commissioni ng of GIS, Power Transformers with Associated Switchgears, including Supply & Erection of Substation Steel Structures, Construction of Control		Competencies for GIS Substations and Transmission Lines are different and varied. Only few have both these independently. We would therefore request you to kindly make separate packages for GIS substations and Transmission Lines for ensuring competencies in the respective area.	<b>Not Acceptable</b>	
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	Room Building, Erection And Commissioning of new associated Transmission Lines and all other Civil Works on Turnkey Basis)				
144	Vol.1, Section 3: Evaluation and Qualification Criteria, Clause No. 2.5a, Item No.I - GIS, Page No. 56	The GIS Manufacturer shall have to furnish type test report of SF6 gas insulated sub-station equipment duly Designed, Manufactured, tested (as per IEC standard) which, shall not be older than Ten (10) years, as on date of bid opening.	<p>However, as per Vol.II, Clause No. 7.21.2, The GIS manufacturer shall furnish the certificates confirming successful conduction of the following Type Tests for GIS. The tests carried out shall not be older than Ten (10) years from the date of issue of LOA.</p> <p>As both the clauses are contradicting on GIS Type test report validity, We propose the GIS type test reports validity shall be considered from date of bid opening. Please accept the same.</p>	<b>As per clause 2.5 (a) of Volume I</b>	



145	Volume 1 Section 3: Evaluation and Qualification Criteria 2.4.2 Experience in Key Activities Table A - Serial No. b		<p>(1) Clause 2.4.2 Experience in Key Activities it is mentioned as " The bidder or if the bidder is not a manufacturer must have designed, manufactured, type tested, supplied the following listed equipment, which are in successful operation for at least two years as on the date of bid opening. The bidder should list such works executed to substantiate the requirement of this Clause. (i) Power Conductors, (ii)disc/long rod Insulators and (iii)Transmission Line Towers (220 kV and above).</p> <p>(2) In 2.4.1 Part B: FOR A BID OF 220KV TRANSMISSION LINE of Section 3: Evaluation and Qualification Criteria: it is mentioned that "The Bidder must have inhouse design , manufacturing &amp; testing facilities for Transmission Line Tower.</p> <p>As per (2) above Bidder must must have in house design , manufacturing &amp; testing facilities for Transmission Line Tower. Hence, we understand that the (1) above shall be read as below.. <b>Please confirm.</b></p> <p>"The bidder or if the bidder is not a manufacturer, bidder's <b>Sub Vendor/Sub Contractor</b> must have designed, manufactured, type tested, supplied the</p>	<b>Not Acceptable. Addendum issued.</b>	
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			<p>following listed equipment, which are in successful operation for at least two years as on the date of bid opening. The bidder should list such works executed to substantiate the requirement of this Clause. (i) Power Conductors, (ii) disc/long rod Insulators.</p> <p><b>Kindly confirm</b></p>		
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146	Section 3: Evaluation and Qualification Criteria. 2.5 (a) Manufacturer s/Subcontract or. 1. GIS		<p><b>Tender Clause:</b> I. The Bidder should have designed, supplied, erected, tested and commissioned on supply cum erection basis at least three (3) GIS installations of 220kV or above voltage level in India during last 7 years having minimum 3 (three) nos. complete GIS Breaker Bays and which should be under satisfactory operation for at least two (2) year as on the originally schedule date of bid opening (Certificate of original customer to be submitted).</p> <p><b>Bidder Query:</b> Since Bidder QR is already specified in Clause 2.4, We presume the 2.5 clause if for GIS Manufacturer. Accordingly, we request you to remove erection, testing and commissioning experience for GIS Manufacturer and accept as below:</p> <p>I. The GIS Manufacturer should have designed, supplied at least three (3) GIS installations of 220kV or above voltage level in India during last 7 years having minimum 3 (three) nos. complete GIS Breaker Bays and which should be under satisfactory operation for at least two (2) year as on the originally schedule date of bid opening (Certificate of original customer to be submitted).</p> <p>Kindly confirm</p>	<b>Addendum issued.</b>	32, 42
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147	As per clause no 2.4 Tenderer's Experience, under Section III Volume 1	<p>“Participation as an EPC contractor, Joint Venture partner, Part A for Gas insulated Substation (GIS):Bidder must have successfully executed and commissioned at least 2 (two) no.of GIS of 220 KV Voltage level as that of the current bid or must have successfully executed and commissioned at least 1 (one) no.of GIS of Higher voltage level than that of the current bid on Turnkey contract basis including Engineering, Design, Supply, Execution and commissioning with minimum Five (5) No. of Bays in each Substation for any Power Transmission Utilities during last 07 years reckoned from the original date of bid submission.</p> <p>The above work should have been under successful operation for a minimum period of two (2) years reckoned from the date of bid submission. The commissioning of substations shall mean complete design, the supply</p>	We Propose: Incase Bidder /JV partner is Indian GIS Manufacturer(s) who have established production line in India for these GIS Equipment(s) based on technological support under 100% technology transfer & having Technical Collaboration with the Parent Company shall also be considered provided that the Parent Company should meet the experience mention in Part A for Gas insulated Substation (GIS). All the documents / evidences as required in this regard should be submitted along with the Bid	<b>Addendum issued.</b>	32, 42
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		of equipment, all civil works, erection of all bays and superstructures, and changing of the Substation.”			
148	As per clause 2.5 (a) under section III of Volume-1:	<p>“The Bidder should have designed, supplied, erected, tested and commissioned on supply cum erection basis at least three (3) GIS installations of 220kV or above voltage level in India during last 7 years having minimum 3 (three) nos. complete GIS Breaker Bays and which should be under satisfactory operation for at least two (2) year as on the originally schedule date of bid opening (Certificate of original customer to be submitted).”</p>	<p>We Propose: GIS manufacturer who on its own does not meet the requirement as specified in I. &amp; III. above, but has established production line in India for manufacturing of SF6 Gas Insulated switchgear (GIS) based on technological support under 100% technology transfer of its parent company can also be considered provided that they (Parent company) have manufactured, type tested (as per IEC standard) of such equipment &amp; with the following stipulation:-</p> <p>(a) The GIS manufacturer’s parent company meets qualifying requirements stipulated under clause no. (I. &amp; III.) above.</p> <p>(b) The GIS manufacturer’s parent company has manufactured, type tested GIS equipment’s (as per IEC standard).</p> <p>(c) The GIS manufacturer furnishes followings:-</p> <p>I. An undertaking (jointly with the parent company to guarantee quality, timely supply, performance and warranty obligations as specified for the equipment(s) in the parent company’s (Holding Company) letter head, which is required to be submitted at the time of signing/ execution of the contract agreement .</p> <p>II. Such manufacturer should submit valid collaboration agreement for technology transfer / license to design, manufacture, test</p>	<b>Addendum issued.</b>	32, 42

			<p>and supply GIS equipment(s) in India at the time of bidding.</p> <p>(d) GIS Manufacturer proposed Indian manufacturing facility should be operational for minimum 3 years and supplied more than 50 bays of 220 KV or above rated GIS from proposed Indian manufacturing facility. GIS Type testing of Parent Company can also be accepted, provided the design remains same as per 100% technology transfer.</p> <p><b>Alternatively</b>  If the above not accepted as GIS manufacturer (OEM) QR,  The Bidder should have designed, supplied and supervised erection, testing and commissioning erected, tested and commissioned on supply cum erection basis at least three  (3) 1 (one) GIS installations of 220kV or above voltage level in India during last 7 years having minimum 3 (three) nos. complete GIS Breaker Bays and which should be under satisfactory operation for at least two (2) one (1) year as on the originally schedule date of bid opening  (Certificate of original customer to be submitted) GIS Type testing of Parent Company can also be accepted, provided the design remains same as per 100% technology transfer.</p>		
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149	Pg no. 48	<p><b>Part A for Gas insulated Substation (GIS):</b> must have successfully executed and commissioned at least 2(two) no. of GIS of 220kV Voltage level as that of the current Bid or must have successfully executed and commissioned at least 1 (one) no. of GIS of higher voltage level than that of the current Bid on Turnkey Contract basis including Engineering, Design, Supply, Execution and Commissioning with minimum Five (5) No. of bays in each Substation for any <b><u>Power Transmission utilities</u></b> during last 7 (Seven) years reckoned from the original date of bid submission.</p>	<p>We wish to submit that in tenders floated by Power Grid and all other state utilities, experience of bidder is counted irrespective of having executed the project for Power Transmission or Power Generation. With reference to the subject clause, we understand that even if the bidder has executed GIS works for a Central / State / Private Power Generation Utility or Transmission Utility, the same shall be considered. Kindly confirm our understanding is correct.</p>	Yes	
150	54	<p>Erection, pre-commissioning tests and commissioning of GIS equipment (220 kV and above voltage class) including Auto/Power Transformers and Control and Relay panel, SAS and should have 2 years performance within last seven (7) years period.</p>	<p>With reference to the subject clause, kindly confirm that if a bidder has supplied, erected, tested and commissioned the Auto / Power Transformer for AIS / GIS Substation then the same shall be also considered. Kindly confirm.</p>	Accepted Addendum issued.	41, 51

151	50	Erection, pre-commissioning tests and commissioning of GIS equipment (220 kV and above voltage class) including Auto/Power Transformers and Control and Relay panel, SAS and should have 2 years performance within last seven (7) years period.	With reference to the subject clause, we understand that if a bidder has the experience of installation, Testing and Commissioning of Generator transformers, the same shall be also considered at par with Auto / Power Transformer. Kindly confirm our understanding.	<b>Accepted. But the MVA and voltage rating should be higher or same as that of the bid.</b>	42
152	50	The subcontracting is allowed subjected to that the subcontracting works shall not exceed 30% of the total contract value	Kindly confirm that this limitation is for activities to be performed at site and not applicable for supply/sourcing of equipment/materials.	<b>As per Bid</b>	
153	52	The Bidder/GIS manufacturer shall furnish performance guarantee for an amount of 20% of the ex-works cost of GIS equipment(s) for a period of five (5) years after completion of the defect liability period. This performance guarantee shall be in addition to Contract Performance Guarantee to be submitted by the bidder	We request you to kindly limit the performance Guarantee to 10% of the value of the GIS equipment in line with normal Industry practice.  In case bidder is not a GIS equipment manufacturer, then the 10% performance for GIS Portion shall be submitted by the GIS Equipment supplier.	<b>Not Acceptable</b>	
154	53	The bidder/GIS manufacturer shall furnish an undertaking for compliance to the clauses 2.5 in Non-Judicial stamp paper worth minimum Rs 100/- at the time of contract signing.	We request you to kindly furnish the format of the subject undertaking	<b>No specific format.</b>	



155	56 & 60	We offer to design, <b>manufacture</b> , test, deliver, install, pre-commission, and commission in conformity with the Tender Document the following Plant and Services	We wish to submit that the word "Manufacture" in the subject clause will not be applicable to bidders who are not manufacturers and are sourcing equipment. We request you to suitable modify this word as "Supply"	As per bid	
156	32	The Tenderer shall furnish a Tender security in the amount of: 1 million US\$ (One million US\$) or ₹ 7 Crores (seven crore) in the in the form of Bank Guarantee/RTGS/DD/ Fixed Deposit from Nationalised Bank (India) in favour of Assam Electricity Grid Corporation Limited.	Kindly confirm that in case of a Joint Venture, the tender security of Rs 7 Crores (Rupees Seven Crores) in the form of bank guarantee submitted in name of the Lead Partner shall be acceptable.	BG should be in the name of JV	
157			In case of a Joint Venture, the contract performance security bank guarantee shall be submitted in the name the Lead Partner. Kindly confirm.	PS BG should be in the name of JV	
158			In case of a Joint Venture, the advance payment security bank guarantee shall be submitted in the name the Lead Partner. Kindly confirm.	Should be in the name of of JV	
159			In case of a Joint Venture, all the payments will be made to the Lead Partner. Kindly confirm.	Payment shall be made into the designated account nominated by JV members	
160			Kindly confirm that a GIS manufacturer can give Manufacturer's Authorisation to other bidders in the capacity of a manufacturer and also participate as a bidder in the tender	As per bid	

161		# Satisfactory operation means certificate issued by the Employer certifying the operation without adverse remark. In case bidder is a holding company, the technical experience referred above shall be of that holding company only (ie., excluding its subsidiary/group companies). In case bidder is a subsidiary of a holding company, the technical experience referred above shall be of that subsidiary company only (i.e., excluding its holding company).	# Satisfactory operation means certificate issued by the Employer certifying the operation without adverse remark. In case bidder is a holding company, the technical experience referred above shall be of that holding company only (ie., excluding its subsidiary/group companies). In case bidder is a subsidiary of a holding company, the technical experience referred above shall be of that subsidiary company only (i.e., excluding its holding company).	Yes <b>confirmed</b>	
162		The proof for the above experience shall be submitted along with the bid.	The proof for the above experience shall be submitted along with the bid.		

163	<p>Section 3: Evaluation and Qualification Criteria, 2.4.2 Experience in Key Activities 2.4.2(a) Must be complied with by the Tenderer. In case of a Joint Venture Tenderer, at least one of the partners must meet the requirement in the key activity, page 50</p>	<p>For the above or other contracts executed during the period stipulated in 2.4.1, a minimum experience in the following key activities:</p> <p>a. Erection, pre-commissioning tests and commissioning of GIS equipment (220 kV and above voltage class) including Auto/Power Transformers and Control and Relay panel, SAS and should have 2 years performance within last seven (7) years period.</p> <p>b. The bidder or if the bidder is not a manufacturer must have designed, manufactured, type tested, supplied the following listed equipment, which are in successful operation for at least two years as on the date of bid opening. The bidder should list such works executed to substantiate the requirement of this Clause. (i) Power Conductors, (ii) disc/long rod Insulators and (iii) Transmission Line Towers (220 kV and above).</p>	<p>For the above or other contracts executed during the period stipulated in 2.4.1, a minimum experience in the following key activities:</p> <p>a. Erection, pre-commissioning tests and commissioning of GIS equipment (220 kV and above voltage class) <del>including Auto/Power Transformers</del> and Control and Relay panel, SAS and should have 2 years performance within last seven (7) years period.</p> <p>b. The bidder or if the bidder is not a manufacturer must have <del>designed, manufactured, type tested</del>, supplied the following listed equipment, which are in successful operation for at least two years as on the date of bid opening. The bidder should list such works executed to substantiate the requirement of this Clause. (i) Power Conductors, (ii) disc/long rod Insulators and (iii) Transmission Line Towers (220 kV and above).</p>	<p><b>Not Acceptable. The bidder or if the bidder is not a manufacturer his supplier must meet the requirement.</b></p>	
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164	<p>Section 3: Evaluation and Qualification Criteria,</p> <p>2.4.2 Experience in Key Activities</p> <p>2.4.1 (a) Must be complied with by the Tenderer. In case of a Joint Venture Tenderer, at least one of the partners must meet the requirement in the key activity.</p>	<p>For the above or other contracts executed during the period stipulated in 2.4.1, a minimum experience in the following key activities:</p> <p>a. Erection, pre-commissioning tests and commissioning of GIS equipment (220 kV and above voltage class) including Auto/Power Transformers and Control and Relay panel, SAS and should have 2 years performance within last seven (7) years period.</p> <p>b. The bidder or if the bidder is not a manufacturer must have designed, manufactured, type tested, supplied the following listed equipment, which are in successful operation for at least two years as on the date of bid opening. The bidder should list such works executed to substantiate the requirement of this Clause. (i) Power Conductors, (ii) disc/long rod Insulators and (iii) Transmission Line Towers (220kV and above). Single Entity: Must meet requirement Joint venture: Must meet requirement</p>	<p>a. Erection, pre-commissioning tests and commissioning of GIS equipment <del>220 KV</del> 132KV and above voltage class) including Auto/Power Transformers and Control and Relay panel, SAS and should have 2 years performance within last seven (7) years period.</p> <p>b. The bidder or if the bidder is not a manufacturer <b>,they must procure the</b> equipments, who must have designed, manufactured, type tested, supplied the following listed equipment, which are in successful operation for at least two years as on the date of bid opening. The bidder should list such works executed to substantiate the requirement of this Clause. (i) Power Conductors, (ii) disc/long rod Insulators and (iii) Transmission Line Towers (220kV and above). Single Entity: Must meet requirement Joint venture: Must meet requirement Submission Requirements: Form EXP - 2</p>	As per bid	
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		Submission Requirements: Form EXP - 2			
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165	<p>2.4 Tenderer's Experience (a) Participation as an EPC contractor, Joint Venture partner</p>	<p><b><u>Part A for Gas insulated Substation (GIS):</u></b> must have successfully executed and commissioned at least 2(two) no. of GIS of 132kV Voltage level as that of the current Bid or must have successfully executed and commissioned at least 1 (one) no. of GIS of higher voltage level than that of the current Bid on Turnkey Contract basis including Engineering, Design, Supply, Execution and Commissioning with minimum Five (5) No. of bays in each Substation for any Power Transmission utilities during last 7 (Seven) years reckoned from the original date of bid submission. The above work should have been under successful operation for a minimum period of Two (2) years reckoned from the date of bid submission. The Commissioning of substations shall mean complete design, supply of equipment's, all civil works,</p>	<p><b><u>For Part A for Gas insulated Substation (GIS) and Part B for 132KV TRANSMISSION LINE:</u></b> must have successfully executed and commissioned at least 2(two) no. of GIS of 132kV Voltage level as that of the current Bid on Turnkey Contract basis including Engineering, Design, Supply, Execution and Commissioning with minimum Five (5) No. of bays in each Substation for any Power Transmission utilities during last 7 (Seven) years reckoned from the original date of bid submissionN and any of the above work should have been under successful operation# for a minimum period of Two (2) years reckoned from the date of bid submission. The Commissioning of substations shall mean complete design, supply of equipment's, all civil works, erection of all bays and super structures and charging of the Substation.</p> <p><b><u>Part B: FOR A BID OF 132KV TRANSMISSION LINE:</u></b> The Single entity meeting sub- station experience may be allowed to engage sub contractor who meets line experience</p> <p><b>Remarks:</b></p>	<p><b>Addendum issued.</b></p>	<p>47, 48</p>
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166	<p>erection of all bays and super structures and charging of the Substation.</p> <p><b><u>Part B: FOR A BID OF 132KV TRANSMISSION LINE:</u></b> The Bidder must have in house design, manufacturing &amp; testing facilities for Transmission Line Tower and successfully commissioned at least 30 ckt km of length of 220kV (or above level) for a single project, or must have commissioned at least 30 ckt km of length of 132kV (or above level) for a single project including design of tower &amp; foundations, type testing of towers, supply of materials erection, testing &amp; commissioning on Turnkey Contract basis for any Power Transmission utilities during last 7 (Seven) years reckoned from the date of bid submission. The above work should have been under successful operation# for a minimum period of two years reckoned from the date of bid submission.</p>	<p>Most of the Utilities asked for 132 KV or above class experience for similar KV voltage class rating like PGCIL, UPPTCL, MSETCL.</p>		
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167	Section 3: Evaluation and Qualification Criteria, 2.4.1 (a) Contracts of Similar Size and Nature	Participation as an EPC contractor, Joint Venture partner, Part A for Gas insulated Substation (GIS): Must have successfully executed and commissioned at least 2(two) no.ofGIS of 220kV Voltage level as that of the current Bid or must have successfully executed and commissioned at least1 (one) no. of GIS of higher voltage level than that of the current Bid on Turnkey Contract basis including Engineering, Design, Supply, Execution and Commissioning with minimum Five (5) No. of bays in each Substation for any Power Transmission utilities during last 7 (Seven) years reckoned from the original date of bid submission. The above work should have been under successful operation# for a minimum period of Two (2) years reckoned from the date of bid submission.The Commissioning of substations shall mean	Participate as an EPC contractor, Joint Venture partner Part A for GIS insulated substation(GIS) : Must have successfully executed and commissioned atleast 2 (two) no. of GIS of <del>220kv</del> 132KV voltage level as that of the ;current bid or must have successfully executed and commissioned at least 1(one) no. of GIS of higher voltage level than that of the current bid on turnkey contract basis including Engineering, Design, Supply, Execution and Commissioning with in five (5) no. of bays in each substation for any <del>Power Transmission</del> utilities during last 7 years reckoned from the original date of the bid submission. <b>Atleast one</b> substation of the above work should have been under successful operation# for a minimum period of two (2) years reckoned from the date of bid submission.The commissioning of substations shall mean complete design, supply of equipment's, all civil works, erection of all bays and super structure and charging of the substation.  <b>Part B FOR A BID OF 220KV TRANSMISSION LINE:</b> The bidder must have inhouse design, manufacturing & <del>testing facilities</del> for transmission line tower and successfully commissioned at least <del>30</del> (20)ckt km of length of 220kv (or above level) for a single project, or must have	<b>Addendum issued.</b>	37, 38
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		<p>complete design, supply of equipment's, all civil works, erection of all bays and super structures and charging of the substation.</p> <p>Part B: FOR A BID OF 220KV TRANSMISSION LINE: The Bidder must</p> <p>have inhouse design , manufacturing &amp; testing facilities for Transmission Line Tower and successfully commissioned at least 30 ckt km of length of 220kV (or above level) for a single project, or must have commissioned at least 30 ckt km of length of 132kV (or above level) for a single project including design of tower &amp; foundations, type testing of towers, supply of materials erection, testing &amp; commissioning on Turnkey Contract basis for any Power Transmission utilities during last 7 (Seven) years reckoned from the date of bid submission. The above work</p>	<p>commissioned al least 30 ckt km of length of 132kv (or above level) for a single projects including of tower &amp; foundation type testing of</p> <p>tower supply of materials erection testing &amp; commissioning on turnkey contract basis for any <del>power transmission</del> utilities during last 7 years reckoned from the date of bid submission. The above work should have been under successful operation# for a minimum period of two years reckoned form the bid date of the bid submission.# satisfactory operation means certificate issued by the employer certifying the operation without adverse remark. In case bidder is an holding company, the electrical experience referred above shall be of that holding company only (i.e excluding its subsidiary/group companies). In case bidder is a subsidiary of an holding company, the technical experience referred above shall be of that subsidiary company only (i.e, excluding its holding company) The proof of the above experience shall be submitted along with the bid.</p> <p>Single Entity: Part A and Part B. All Partners Combined: Part A and Part B. Each Partner: Must meet the criteria of either Part A or Part B. In the event of the lead</p>		
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		<p>should have been under successful operation# for a minimum period of two years reckoned from the date of bid submission. #</p> <p>Satisfactory operation means certificate issued by the Employer certifying the operation without adverse remark. In case bidder is a holding company, the technical experience referred above shall be of that holding company only (ie., excluding its subsidiary/ group companies). In case bidder is a subsidiary of a holding company, the technical experience referred above shall be of that subsidiarycompany only ( i.e., excluding its holding company).</p> <p>The proof for the above experience shall be submitted along with the bid.</p> <p>Single Entity: Part A and Part B.</p> <p>All Partners Combined: Part A and Part B.</p> <p>Each Partner: Must meet the criteria of either Part A or Part B. In the event of the lead partner meeting both the criteria in Part A &amp; Part B, then the other JV partner</p>	<p>partner meeting both the criteria in Part A &amp; Part B, then the other JV partner need not have to necessarily meet any of the criteria in Part A or Part B</p> <p>(Lead Partner)</p> <p>One Partner:Must meet the criteria for either Part A or Part B or both.</p> <p>Submission Requirements: Form EXP - 1</p>		
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		<p>need not have to necessarily meet any of the criteria in Part A or Part B (Lead Partner)</p> <p>One Partner: Must meet the criteria for either Part A or Part B or both.</p> <p>Submission Requirements: Form EXP - 1</p>			
168		<p>it is mentioned that if the Bidder is not a manufacturer, must have designed, manufactured, type tested, supplied (i) power conductors (ii) disc/long rod insulators and (iii) transmission line towers 220kV &amp; above equipment, which are in successful operation for at least 2 years as on the date of bid opening. The bidder should list such works executed to substantiate the requirement of this clause.</p>	<p>NCC being an EPC company, executed GIS substation upto 400 kV and more transmission lines upto 765 kV. While meeting the required qualification for SS, the transmission line qualification do not give any access to any of the EPC contractor as all the three equipments are not designed, manufactured and tested by a single EPC contractor. Hence, seek a clarification for accepting the manufacturer authorization letters establishing above listed equipments while NCC is qualifying for the transmission line towers 220kV &amp; above.</p>	<b>Addendum issued.</b>	

169	<p><b><u>AEGCL</u></b> <b><u>Existing</u></b> <b><u>EPC QR</u></b></p> <p>Clause no 2.4 Tenderer's Experience, under Section III Volume 1</p>	<p>Participation as an EPC contractor, Joint Venture partner, Part A for Gas insulated Substation (GIS):Bidder must have successfully executed and commissioned at least 2 (two) no.of GIS of 220 KV Voltage level as that of the current bid or must have successfully executed and commissioned at least 1 (one) no.of GIS of Higher voltage level than that of the current bid on Turnkey contract basis including Engineering, Design, Supply, Execution and commissioning with minimum Five (5) No. of Bays in each Substation for any Power Transmission Utilities during last 07 years reckoned from the original date of bid submission. The above work should have been under successful operation for a minimum period of two (2) years reckoned from the date of bid submission. The commissioning of substations shall mean complete design, the supply of equipment, all civil works, erection of all bays and</p>	<p>Adding to the above QR point,</p> <p><u>Incase Bidder /JV partner is Indian GIS Manufacturer(s) who have established production line in India for these GIS Equipment(s) based on technological support under 100% technology transfer &amp; having Technical Collaboration with the Parent Company shall also be considered provided that the Parent Company should meet the experience mention in Part A for Gas insulated Substation (GIS). All the documents / evidences as required in this regard should be submitted along with the Bid</u></p>	<p><b>Addendum issued.</b></p>	
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		superstructures, and changing of the Substation.			
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170	<p><b><u>AEGCL Existing GIS manufacturer (OEM)</u></b></p> <p><b><u>QR:</u></b></p> <p>As per clause 2.5 (a) under section III of Volume-1</p>	<p>The Bidder should have designed, supplied, erected, tested and commissioned on supply cum erection basis at least three (3) GIS installations of 220kV or above voltage level in India during last 7 years having minimum 3 (three) nos. complete GIS Breaker Bays and which should be under satisfactory operation for at least two (2) year as on the originally schedule date of bid opening (Certificate of original customer to be submitted)</p>	<p>Adding to the above QR point</p> <p>GIS manufacturer who on its own does not meet the requirement as specified in <b>I. &amp; III.</b> above, but has established production line in India for manufacturing of SF6 Gas Insulated switchgear (GIS) based on technological support under 100% technology transfer of its parent company can also be considered provided that they (<b>Parent company</b>) have manufactured, type tested (as per IEC standard) of such equipment &amp; with the following stipulation:-</p> <p>(a) The GIS manufacturer's parent company meets qualifying requirements stipulated under clause no. (I. &amp; III.) above.</p> <p>(b) The GIS manufacturer's parent company has manufactured, type tested GIS equipment's (as per IEC standard).</p> <p>(c) The GIS manufacturer furnishes followings:-</p> <p>I. An undertaking (jointly with the parent company to guarantee quality, timely supply, performance and warranty obligations as specified for the equipment(s) in the parent company's (Holding Company) letter head, which is required to be submitted at the time of signing/execution of the contract</p>	<p><b>Addendum issued.</b></p>	<p>32, 42</p>
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			<p>agreement .</p> <p>II. Such manufacturer should submit valid collaboration agreement for technology transfer / license to design, manufacture, test and supply GIS equipment(s) in India at the time of bidding.</p> <p>(d) GIS Manufacturer proposed Indian manufacturing facility should be operational for minimum 3 years and supplied more than 50 bays of 220 KV or above rated GIS from proposed Indian manufacturing facility. GIS Type testing of Parent Company can also be accepted, provided the design remains same as per 100% technology transfer.</p> <p><b>Alternatively</b>  <b>If the above not accepted as GIS manufacturer (OEM) QR,</b></p> <p>The Bidder should have designed, supplied <b>and supervisederection, testing and commissioning</b> <del>erected, tested and commissioned on supply cum erection basis</del> at least <del>three (3)</del> 1 (one) GIS installations of 220kV or above voltage level in India during last 7 years having minimum 3 (three) nos. complete GIS Breaker Bays and which should be under satisfactory operation for at least <del>two (2)</del> one (1) year as on the</p>		
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			<p>originally schedule date of bid opening (Certificate of original customer to be submitted)</p> <p>GIS Type testing of Parent Company can also be accepted, provided the design remains same as per 100% technology transfer.</p> <p><b><u>Why requesting suggested change:</u></b>  <b><u>The change will enable vendors like us to participate, who has proven history of Executing Transmission projects successfully at competitive price.</u></b></p> <p><b><u>Benefit to ASGCL:</u></b>          -Lower price level (From PGCIL precedent approx. -48%)          - Faster execution of the project</p>		
171	2.6.3 of Volume II	THE STRUCTURAL MEMBERS OF THE TRANSMISSION TOWERS AND FOUNDATION SHALL BE DESIGNED BY A REPUTED STRUCTURAL DESIGN ORGANISATION OR RESEARCH INSTITUTE OF EARTHQUAKE IN ZONE V.THE DETAILS WILL BE APPROVED BY A THIRD PARTY ENGAGED BY THE	Please confirm whether Tower testing of transmission line including destruction test is in bidder's scope.	<b>Addendum issued.</b>	19



		<p>BIDDER. THE COSTS OF ENGAGING THESE CONSULTANTS SHALL BE INCLUDED IN THE RELEVANT ITEMS. BIDDER SHALL SUBMIT A PANEL OF MINIMUM 3 DESIGN CONSULTANT AND THIRD-PARTY CONSULTANT FOR EACH ACTIVITY. THE CONSULTANTS SHALL HAVE A MINIMUM OF 10 YEARS EXPERIENCE IN THE REQUIREMENTS SPECIFIED IN THIS DOCUMENT. HOWEVER, THE OVERALL CONSIDERATION OF THE ABOVE CLAUSE SHALL DEPEND ON THE COMPLETE DISCRETION OF AEGCL.</p>			
172	<p>Evaluation &amp; Qualification criteria2.4.2 (a) Table A (b)</p>	<p>The bidder or if the bidder is not manufacturer must have designed, manufactured type tested, supplied the following listed equipment with 2 years successful operation: Power conductor, disc/long rod insulator and TL tower</p>	<p>If the bidder is not manufacturer, designing/ manufacturing cannot be done by the bidder. Otherwise also none of the EPC company can have all three products in one basket.</p>	<b>Addendum issued.</b>	

173	Section 3: Evaluation and Qualification Criteria. 2.4.2 Experience in Key Activities	The Employer accepts any of the following activities to be subcontracted. They may be complied with by the Tenderer or by its proposed specialist subcontractor. The subcontracting is allowed subjected to that the subcontracting works shall not exceed 30% of the total contract value.	There are no activities mentioned for subcontracting under this clause. We presume that the subcontracting means the activities of Service portion only ( i.e Civil/ Erection part) as per PRICE SCHEDULE - Erec_Sub_CHAYGAON, Erec_Sub_Nagaon2, Erec_line_Chaygaon and Erec_Line_Nagaon 2. Please confirm	<b>If not specified, any portion of works can be sub-contracted provided it is limited to 30% only</b>	
174	Section 3: Evaluation and Qualification Criteria. 2.5 (a) Manufacturer s/Subcontract or. 1. GIS	The Bidder should have designed, supplied, erected, tested and commissioned on supply cum erection basis at least three (3) GIS installations of 220kV or above voltage level in India during last 7 years having minimum 3 (three) nos. complete GIS Breaker Bays and which should be under satisfactory operation for at least two (2) year as on the originally schedule date of bid opening (Certificate of original customer to be submitted).	<p>Since Bidder QR is already specified in Clause 2.4, We presume the 2.5 clause if for GIS Manufacturer. Accordingly, we request you to erection, testing and commissioning experience for GIS Manufacturer and accept as below:</p> <p>I. The GIS Manufacturer should have designed, supplied at least three (3) GIS installations of 220kV or above voltage level in India during last 7 years having minimum 3 (three) nos. complete GIS Breaker Bays and which should be under satisfactory operation for at least two (2) year as on the originally schedule date of bid opening (Certificate of original customer to be submitted).</p>	<b>Addendum issued.</b>	

175	Section 3: Evaluation and Qualification Criteria. 2.5 (a) Manufacturer s/Subcontract or. 1. GIS	The bidder/manufacture shall not be currently debarred/blacklisted nationally or internationally from any of the state, central and Govt. or undertaking department.	We presume that the clause need to be reviewed as below:  The bidder/manufacture shall not be currently debarred/blacklisted nationally or internationally from any of the state, central and Govt. or undertaking department <b><u>as on date of bid submission.</u></b>	<b>Addendum issued.</b>	
176	Section 3: Evaluation and Qualification Criteria. 2.5 (a) Manufacturer s /Subcontracto r. 1. GIS <b>and</b> Section 4: Tender Forms, Affiliate Company Guarantee		As per the section 4: tender forms, Affiliate Company Guarantee we presume that the parent company/Colloborator credentials are acceptable for the supplier Qualification requirement. Accordingly, the GIS manufacturers having factory in India can supply GIS equipments, if their parent /principal /colloborator meet the qualification criteria mentioned in Clause 2.5 (a) for GIS equipment. This is usual practice followed by many central/state Utilities supporting the GoI initiative (Make in India). Kindly confirm	<b>Addendum issued.</b>	
177	Section 3: Evaluation and Qualification Criteria. 2.5(b) DOCUMEN TARY	As regards documentary proof to substantiate experience requirement in regard to erection work, experience in manufacturing capacity, supply of towers, execution of works and satisfactory operation is concerned, the bidder will	<b>We understand that the Bidder self- attested is to be submitted. Please confirm</b>	preferably certificate issued by past employer. However, self-attested is also fine provided the clime is correct. Submission of incorrect self- attested document may	

	EVIDENCE S:	have to submit necessary certificates from User Agency clearly specifying the period of experience and other details.(All the certificates for proof should be attested)		lead to rejection of tender.	
178	Section 3: Evaluation and Qualification Criteria. 2.5(b) DOCUMENTARY EVIDENCE S:	The bidder/GIS manufacturer shall furnish an undertaking for compliance to the clauses 2.5 in Non-Judicial stamp paper worth minimum Rs 100/- at the time of contract signing.	Since EPC bidders propose multiple manufacturers at the time of bidding, we understand that the Bidder only shall submit the undertaking at the time of contract signing. Undertaking from the selected GIS manufacturer shall be submitted at the time of vendor approval instead of Contract signing date. Please confirm	<b>It clearly says “at the time of Contract signing” and not at the time of vendor approval</b>	
179	Section 4: Tender Forms. Tables of Adjustment Data (The Price adjustment shall as per IEEMA PV Calculator) Table A - Local Currency	Tenderer's Proposed Weighting a = 0.15	We understand from the tender document, Bidder to follow IEEMA formula only and the weightages are as per IEEMA formula only. please confirm.	<b>confirmed</b>	

180	Section 4: Tender Forms. Manufacturer 's Authorization (MA)	<p>Manufacturer's Authorization (MA) (MA for both Part A &amp; Part B shall be furnished by the Bidder from each manufacturer) (Power Transformer, Control and Relay Panel including BCU, SAS, 33kV Indoor VCB panel, Isolator, CVT, Wave-trap, Communication Equipment's, XLPE cable , OPGW, Power and control cable, Battery Bank and Charger, Lighting Arrestors, SF 6 gas handling plant, Conductors, Long-rod/disc insulator, Transformer OLTC, NIFPES) (MA shall be submitted by bidder for each equipment and for each manufacturer)</p> <p>Notes: 1.The letter of Undertaking should be on the letterhead of the Manufacturer and should be signed by a person competent and having Power of Attorney to sign on behalf of the Manufacturer (to be attached with this MA) to legally bind the Manufacturer. It shall be included by the bidder in its bid.</p>	<p>Since we propose multiple manufacturer for various equipments, we request that the notarisation can be done only for GIS equipments which is a key QR item for the project at the time of bidding. For Balance equipments, request you to allow MA without notarisation</p>	As per bid	
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		2. Above undertaking shall be registered or notarized so as to be legally enforceable.			
181	Vol.1, Section 3: Evaluation and Qualification Criteria, Clause No. 2.5a, Item No.I - GIS, Page No. 52	As per referred clause, "The GIS Manufacturer shall have to furnish type test report of SF6 gas insulated sub-station equipment duly Designed, Manufactured, tested (as per IEC standard) which, shall not be older than Ten (10) years, as on date of bid opening.	<p>However, as per Vol.II, Clause No. 7.21.2, The GIS manufacturer shall furnish the certificates confirming successful conduction of the following Type Tests for GIS. The tests carried out shall not be older than Ten (10) years from <b>the date of issue of LOA.</b></p> <p>As above both the clauses are contradicting on GIS Type test report validity, We propose the GIS type test reports validity shall be considered from date of bid opening. Please accept the same.</p>	As per clause 2.5 (a) of Volume I	

182	<p>Volume 2 CHAPTER 2: INFORMAT ION TO BIDDERS (ITB) 2.6 Scope of supply &amp; Works 2.6.3</p>	<p>(1) As per the clause 2.6 Scope of supply &amp; Works 2.6.3 " THE STRUCTURAL MEMBERS OF THE TRANSMISSION TOWERS AND FOUNDATION SHALL BE DESIGNED BY A REPUTED STRUCTURAL DESIGN ORGANISATION OR RESEARCH INSTITUTE OF EARTHQUAKE IN ZONE V.....HOWEVER, THE OVERALL CONSIDERATION OF THE ABOVE CLAUSE SHALL DEPEND ON THE COMPLETE DISCRETION OF AEGCL"</p> <p>(2) In 2.4.1 Part B: FOR A BID OF 220KV TRANSMISSION LINE of Section 3: Evaluation and Qualification Criteria: it is mentioned that "The Bidder must have inhouse design , manufacturing &amp; testing facilities for Transmission Line Tower.</p> <p>As per (2) above Bidder must must have in house design , manufacturing &amp; testing facilities for Transmission Line Tower. Hence, we understand that the (1) above shall be read as below.. <b>Please confirm.</b></p> <p>"THE STRUCTURAL MEMBERS OF THE TRANSMISSION TOWERS AND FOUNDATION SHALL BE DESIGNED</p>	<p><b>Addendum issued.</b></p>	<p>19</p>
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			<p>BY THE <b>BIDDER</b>. THE DETAILS WILL BE APPROVED BY A THIRD PARTY ENGAGED BY THE BIDDER. THE COSTS OF ENGAGING THESE CONSULTANTS SHALL BE INCLUDED IN THE RELEVANT ITEMS. BIDDER SHALL SUBMIT A PANEL OF MINIMUM 3 DESIGN CONSULTANT AND THIRD-PARTY CONSULTANT FOR EACH ACTIVITY. THE CONSULTANTS SHALL HAVE A MINIMUM OF 10 YEARS EXPERIENCE IN THE REQUIREMENTS SPECIFIED IN THIS DOCUMENT. HOWEVER, THE OVERALL CONSIDERATION OF THE ABOVE CLAUSE SHALL DEPEND ON THE COMPLETE DISCRETION OF AEGCL"</p> <p><b>Kindly confirm.</b></p>		
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183	Type Test Confirmation : (Page No. 56 of 242 PKg C Vol.1)	<p>The Manufacturer shall have to furnish type test report of SF6 gas insulated sub-station equipment duly Designed, Manufactured, tested (as per IEC standard) which, shall not be older than Ten (10) years, as on date of bid opening. The language of the type test report should be in English.</p> <p>Type Test should have been conducted at any of the following internationally reputed testing laboratories,</p> <ul style="list-style-type: none"> <li>(a) KEMA (Holland)</li> <li>(b) CESI (Italy)</li> <li>(c) ) CERDA (France)</li> <li>(d) PHELA (Germany)</li> <li>(e) KERI (S. Korea)</li> <li>(f) CPRI/ERDA (India)</li> </ul> <p>mentioned in BOQ line item and in SLD it is indicated as dotted line</p>	<p>We wish to bring to your information the latest list of STL accredited Test Labs, that GIS manufacturers should have conducted Type Test that may kindly be reviewed and incorporated in the Tender Qualifying requirement of your ongoing tender. In this connection, the Test Labs listed in the latest list of STL accredited Test Labs are enclosed.</p> <p>In this regard, please kindly confirm as below:</p> <ul style="list-style-type: none"> <li>a) Attached list is acceptable members for certification of Type Test for High Power Testing as STL Members</li> <li>b) Type test reports issued by STL member and/or carried out at STL member laboratories under accredited third party witnessing or reviewed test reports are acceptable. (Please find attached STL members and Laboratories for your reference)</li> </ul>	<b>Addendum issued.</b>	32, 42
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184	PKGVOLI Section 3: Evaluation and Qualification Criteria	The Manufacturer shall have to furnish type test report of SF6 gas insulated sub-station equipment duly Designed, Manufactured, tested (as per IEC standard) which, shall not be older than Ten (10) years, as on date of bid opening. The language of the type test report should be in English.	We would like to state that Type tests are generally repeated in case of any change in IEC/applicable standards or change in product design. Our GIS offered are fully type tested as per latest IEC standards in European/Indian laboratories with most of the reports within 10 years validity period. However, very few type tests are older than 10 years. The repetition of the same are in our plan for the current year. However due to the COVID -19 situation across the globe we are unable to get the access/permission to repeat the type tests since all European Labs are closed till further notice. We therefore request AEGCL to accept such type test reports in case there is no change in design of GIS equipment being offered or allow us to submit valid type test reports after repetition during the execution of contract without any time and cost implication to AEGCL. Kindly confirm.	Accepted only if proper undertaking for no design change of the GIS equipments is provided.	
185	PKGVOLI Section 3: Evaluation and Qualification Criteria	Clause 2.5a Type Test should have been conducted at any of the following internationally reputed testing laboratories.	In addition to the above, please note that there are certain tests wherein the subcomponents are tested by our sub suppliers in their accredited labs/In house testing facility in line with latest IEC. Therefore, the reports of sub suppliers shall be submitted for such tests. We request you to kindly accept the same.	Accepted only if accreditation certificate of the labs is provided.	

**b) QUERIES ON TECHNICAL SPECIFICATIONS**

<b>SL NO</b>	<b>Clause No./ Section/ Page No.</b>	<b>Description</b>	<b>Queries</b>	<b>Response</b>	<b>Reference to Sl. No. of Addendum [Table 2] wherever applicable</b>
186	16.1	The apparatus shall include but not be limited to the following:	Our battery limit shall be limited to the scope agreed as per technical offer and scope matrix.	As per bid	
187	16.1	Construction of GIS Building for 400kV, 220 KV and 132kV as mentioned in chapter 5. Complete earthing of GIS building along with its equipments.	Contruction of GIS building is excluded from Aurangabad scope of supply. Supply of earthing material is excluded from Aurangabad scope of supply. However earthing design and BOQ shall be shared during detailed engineering.	As per BID	
188	16.3.1	Enclosures shall be of single phase for 400kV & 245kV and 3- phase encapsulation for 145kV for both the bus-bars and the feeder section bays.	For the offered 245 kV GIS, the switchgear is single phase encapsulated. However only the busbars are three phase encapsulated. This design is sucessfully type tested and globally accepted. We request customer to kindly accept the offered design.	As per bid.	
189	16.3.1	Tenderer shall confirm the nominal rating of GIS components at 50°C	Noted. However the design temperature of the GIS is 40 deg C.	Tenderer shall confirm the nominal rating of GIS components at 50°C.	

190	16.3.1.1	Continuous bus lengths without gas segregation shall not be acceptable.	For the offered 245kV GIS, the busbars are of continuous lengths. The maximum gas handling required is approx 100 kg for each busbars through the length. This qty can be handled easily. This design is successfully type tested and is globally accepted. Keeping this in view, we request customer to kindly accept the offered solution.	Accepted.	
191	16.3.1.20	EARTHING OF THE SWITCHGEAR	Supply of earthing material is excluded from Aurangabad scope of supply. However earthing design and BOQ shall be shared during detailed engineering.	As per bid.	
192	16.3.1.22	SPECIAL TOOLS	Supply of the same is excluded from Aurangabad scope of supply.	As per bid.	
193	16.3.2.3	The common point of the two bus bars along with earth switch shall be designed and housed in a separate compartment so as to avoid complete shutdown of the system in case of maintenance required in any disconnecter.	The offered GIS switchgear is of modular design. For the offered configuration the earth switch is not placed in separate compartment. However, we confirm meeting the required service continuity requirements. We request customer to kindly accept the offered proposal.	Accepted.	
194	16.3.2.5	However, CT ratio shall be finalized during detailed engineering.	The same shall be as per CT and VT datasheet submitted.	The CT and VT ratio should be as per the BOQ. However, any deviation will be finalised during detailed Engineering.	

195	16.3.2.9	LOCAL CONTROL CUBICLE (STAND ALONE TYPE):	We request customer to kindly accpeted integrated type Local control cubicle.	Accepted.	
196	16.3.2.10	TOOLS	Supply of the same is excluded from Aurangabad scope of supply.	As per bid.	
197	16.3.2.16	ACCESSORIES:	Supply of the same is excluded from Aurangabad scope of supply.	As per bid.	
198	16.3.2.19	ELECTRIC OVERHEAD CRANE:	Supply of electric overhead crane is excluded from Aurangabad scope of supply.	As per bid.	
199		Layout	We request customer to kindly support with the GA layout of the substation.	All drawings enclosed along with the Bid are indicative and for tender purpose only. However, the contractor will required to produced all related drawing for approval from AEGCL.	

200	Bidding Document		<p>Subsequently during our various discussion, we have gathered a few details about the financial progress of this project as below-</p> <p>Date of Concept decision which was scheduled on 11/2019 as per AIIB Project Summary is already completed by AIIB</p> <p>Estimated date of appraisal decision which is scheduled on 5/2020 will remain unchanged. Since AEGCL has already floated tenders for 30% of total project estimate, therefore the appraisal decision will also happen between Govt of India, State Govt of Assam and AIIB as per above scheduled date.</p> <p>Estimated Date of financing approval is scheduled originally on Q2/2020 (i.e. June '20) which will remain unchanged. However implementing authority AEGCL will continue the process of floated tender activities which will include technical evaluation as well as price bid opening but AEGCL will release Purchase Order/LOA to successful bidder only after financial approval and establishment of loan disbursement agreement between AIIB and Govt. of</p>	Your understanding is correct	
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			<p>India.</p> <p>Project site lands are already acquired for all floated tender packages and are available with AEGCL.</p> <p>We presume that our understanding about above funding process is in line with AIIB project summary document (Document Code: PD000302-PSI-IND) and we will request your one-line confirmation on the topic.</p>		
201	<p>regarding 33kV AIS VCB Panels (Qualification Criteria - For AIS VCB manufacturers, tender doesn't specify any QR)</p>	<p>2.5 (a) Manufacturers/Subcontractors: Manufacturers/Subcontractors for the following major items of plant and service must meet the following minimum qualification criteria herein listed for a Subcontractor for that item. Failure to comply with this requirement will result in rejection of the Subcontractor but not the Tenderer</p>	<p>There is no list of approved manufacturers found in the tender document whereas clause 2.5 mentions as below - 2.5. Approved Manufacturer - Reply -Please provide the approved make list</p>	<p>The clause 2.5 (a) of volume I is the qualification criteria for GIS manufacturer which need to be fulfilled.</p>	
202		<p>Seismic zone : Zone -V is mentioned in service condition clause.</p>	<p>Reply: Please confirm if it is applicable for AIS panel.</p>	<p>Applicable for all civil and electrical works.</p>	

203	Points regarding Technical Specification:	1. Ambiguity about STC : 25kA or 31.5kA?	Reply: We are considering 25KA as there is ambiguity in requirements. Please confirm.	STC should be 31.5kA. <b>Addendum issued.</b>	1
204		2.Ambiguity about incomer rating : 2500 amps or 2000 amps ( however clarity on busbar and Buscoupler rating which is 2500 amp)	reply: Please confirm rating of panel and breaker , busbar and confirm CT details too.	The current rating for 33kV VCB panels and Breaker should be of higher rating i.e 2500 Amp for incoming and 1600Amp for Outgoing. The Busbar will be of 2500A. And the CT details will be confirmed during detail engineering. <b>Addendum issued</b>	23
205		Natural cooling is only accepted and height should be limited to 2600 mm	Reply: 2500 amps panel shall be forced cooled and height of the panel can go up to 3300mm.	Forced cooling is not acceptable. Height may be increased to suit natural cooling. <b>Addendum issued</b>	24
206		Type test report should be within 5 years.	Reply: Type test report can be older than 5 years if there is no design change and type test can be from any independent testing laboratory	If there is no change in the design then type tests older than 5 years can be accepted only if proper undertaking for the same is submitted. However, the independent testing laboratory should be NABL accredited or it's equivalent like CPRI, ERDA etc.	
207		IP42 for all compartments except for BUSPT and metering chamber should have IP52.	Reply: Panels are type tested for IP-4x externally and IP-2x within compartments as per IEC 62271-200. Panels are not	Not acceptable. Should be as per bid.	



			totally enclosed, dust-tight, damp proof and vermin proof.		
208	14.5.3/Chapter14	These panels shall be of the following approximate dimensions: i.Height: 2250mm + 15mm anti-vibration pad + 50 mm (base) ii.Depth: 800mm to 1000 mm iii.Width: 800 mm to 1000 mm iv.Operating Height: 1800 mm.	We propose Simplex Type Panel dimensions as :Height: 2200mm + 15mm anti-vibration pad + 100 mm (base).However the total height of 2315 will remain same as per spec.Pls confirm	Accepted. Simplex panels are accepted for all voltage levels	
209	14.4 TYPE TEST REPORTS. /Chapter14	Tests are conducted in KEMA/NABL accredited laboratory, for GOOSE messaging etc as per relevant IEC 61850 Standards.	We understand that Type Test done in Accredited Labs outside India shall also be acceptable	Accepted only of the labs outside India are internationally accredited.	
210	14.14 RECORDING METERS (ABT TRIVECTOR METERS):		We understand that ABT Meters are in scope of AEGCL. Kindly confirm.	Within the scope of the bidder.	
211	14.14 RECORDING METERS (ABT TRIVECTOR METERS):		Kindly specify the approved Model & Make of ABT meter in AEGCL	AEGCL doesn't have any approved Model & Make for ABT. However the ABT meter shall be a fully compliant tri-vector meter and the meter should be SAMAST compatible.	

212	14.28.1.c/ General /Chapter14	Two sets of relevant software for relay configuration & setting, maintenance etc to be supplied to each station. The numeric relay and software shall be upgradable.	We understand that single set of relevant software for relay configuration & setting, Maintenance is sufficient for each station.	The relay configuration and setting, maintenance etc. software should be supplied in two sets	
213	14.28.2.b.II/General Specification of Numerical Relays /Chapter14	Relays shall have one no. front RJ45 or USB port (for RS 232 port Converter to USB shall be supplied for each substation along with spare) for Local Relay Parameterization and Two nos. rear FO port/ Rear RS485 for connectivity to SAS over IEC61850 protocol	Our offered relays shall have one no. RS232/USB port at front side for local relay parameterization and dual RJ45 for connectivity to SAS. Pls acknowledge. Rear RS485 Port is not applicable for IEC61850 compatible relays	Apart from all other ports, two nos. rear FO port will be required for connectivity to SAS over IEC61850 protocol. The two FO ports is required for PRP architecture.	
214	14.28.2.b.v/General Specification of Numerical Relays /Chapter14	Should have minimum 12 configurable LEDs	We understand that Relays with minimum 8 configurable LEDs are also acceptable	Not acceptable. Should be as per bid.	
215	14.28.2.b.vi/General Specification of Numerical Relays /Chapter14	Should have minimum 24 Binary Inputs and 32 Binary Outputs as per scheme requirement including 30% BI & BO spare.	Relays should have sufficient BI/BOs to fulfil the scheme requirement. Pls clarify the requirement of 30% BI & BO Spare.	As per bid	
216	14.28.2.b.viii/General Specification of Numerical Relays /Chapter14	Shall have front minimum 3 lines LCD display with Alpha numeric keypad	WE are offering Protection relays with 3 line LCD display & numeric keypad. Kindly acknowledge	As per bid	
217	14.28.2.b.xv/General Specification of Numerical Relays /Chapter14	The relays should have self-diagnostic features identifying area of fault or failure of a particular component or card.	Our relay has Self diagnostic feature which will give alarm through separate life contact & LED in case of any internal Software or Hardware failure. Please confirm.	The relays should have self-diagnostic features identifying area of fault or failure of a particular component or card. The relay should be capable	

				of generating error report which could indicate the particular area of failure.	
218	14.28.2.k.iii/General Specification of Numerical Relays /Chapter14	Disturbance records – The relay shall have capacity to store disturbance records of at least 10 sec. duration and sampling rate per cycle shall be more than 15.	We understand that sampling rate cycle for the numerical relays is normally 15 samples per cycle. The mentioned scan rate as per spec is for separate DR equipment. Pls confirm the requirement	DR requirements shall be a feature of the relay itself. There should not be any provision for standalone DR.	
219	14.28.2.g/General Specification of Numerical Relays /Chapter14	The direction of power Flow shall be displayed	We understand that, this feature should not be applicable to all relays except distance relays. Also, Directional power features has not been asked in main specification or any other application. Please confirm.	The direction of power Flow if displayed with numeric sign is acceptable and this feature is required for all relays.	
220	14.28.2 .vi/General Specification of Numerical Relays /Chapter14	Integrated Numerical Transformer Differential Protection as Main –I & Main-II of different make	We understand that Transformer Differential Relays of same make are also acceptable	Not acceptable. Should be as per bid.	
221	14.28.2 .x/General Specification of Numerical Relays /Chapter14	The bidder shall bring out in the bid that the Numerical relays providing different protection features / application in a single unit if any one of the application/features goes out of service the other	We propose that Numerical relays providing different protection features / application in a single unit if any one of the application/feature goes out of service the other feature/application (s) will	Accepted	

		feature/application (s) will remain un-effected.	remain un-effected unless both functions are not interrelated/co-related. Pls confirm		
222	14.29.xxix/ Distance Protection/Chapter14	Have at least 24 no. of programmable binary input and 32 no. of programmable binary output contact to cater for DR/SER carrier aided tripping auto re-closing etc.	We understand that Distance Relays with 13 BI & 17BO are also sufficient to fulfil the scheme requirement. Hence same shall also be acceptable	As per bid	
223	14.29.xxiv/ Distance Protection/Chapter14	Shall have df/dt functions. Distance Relays have Over/Under Frequency & Over/Under Voltage Functions.	We propose DF/DT as built in of Back-up Protection Relay in Line Feeders.	df/dt functions should be a feature of distance relay as the protection scheme in 220kV Substation consists of distance relays as Main 1 and Main 2.	
224	14.33.b/ Auto Reclose Function /Chapter14	Auto-reclose function as in-built feature of bay controller unit (BCU) provided for sub-station automation is also acceptable.	We understand that Auto Reclose as built part of either BCU or Distance Relays shall also be acceptable	Accepted	
225	14.33.b/ Auto Reclose Function /Chapter14	Have single phase and three phase reclosing facilities.	We understand that 3-phase auto reclose is applicable for 132kV Line Feeders. Kindly confirm.	Accepted	
226	14.43 BAY CONTROL UNIT (BCU) /Chapter14	The BCU shall have redundant power supply card i.e. in case of failure of one source/Card fail, the redundant shall pick up instantly. Power supply card failure shall	We propose redundant supply source with auto changeover outside the Relay/IED/BCU. In case of power failure in one source, relay shall get supply from other source through auto	Accepted	

		generate necessary alarm to local SCADA.	change-over. Any of the supply failure shall generate necessary alarm to local SCADA. Pls confirm		
227	14.47 PROTECTION SCHEME FOR PANELS: /132kV/Chapter14	The backup protection shall be provided with directional single/multi pole relays as specified in Clause 14.31. One triple pole over current relays for phase faults and one Earth Fault Relay for Earth Faults without highest elements shall be provided.	As the requirement is for numerical relay as per spec, so both functions as built in feature of single numerical relay shall also be acceptable. The protection configuration of relays as explained in spec is for electro-mechanical relays. Pls confirm	Accepted. The Overcurrent & earth fault relay may be of any other type other than the draw out. Addendum issued.	25
228	14.47 PROTECTION SCHEME FOR PANELS: /33kV/Chapter14	The 33kV Feeder Panels shall be provided non directional single/multi pole relays as specified in Clause 14.31. One triple pole over current relays for phase faults and one Earth Fault Relay for Earth Faults with high set elements shall be provided	As the requirement is for numerical relay as per spec, so both functions as built in feature of single numerical relay shall also be acceptable. The protection configuration of relays as explained in spec is for electro-mechanical relays. Pls confirm.	Accepted. The Overcurrent & earth fault relay may be of any other type other than the draw out. <b>Addendum issued</b>	25
229	14.47 PROTECTION SCHEME FOR PANELS: /Transformer Feeder/Chapter14	The backup protection shall be provided with non-directional relays as specified in Clause 14.31. One triple pole over current relays for phase faults and one Earth Fault Relay for Earth Faults with high set elements shall be provided. The high set unit should not operate due to transformer in-rush current.	As the requirement is for numerical relay as per spec, so both functions as built in feature of single numerical relay shall also be acceptable. The protection configuration of relays as explained in spec is for electro-mechanical relays. Pls confirm.	Accepted. The Overcurrent & earth fault relay may be of any other type other than the draw out. <b>Addendum issued</b>	25

230	14.48 RELAY MAINTENANCE TOOL KIT/Chapter14		Pls clarify the scope of supply for Relay Maintenance Tool kit as the same is not the part of customer BoQ	The price shall be quoted along with CRP	
231	14.51 TECHNICAL DATA SHEET FOR THE RELAY AND CONTROL PANELS /Chapter14	(j) Fault Recorder 1 set (k) Distance to fault locator 1 set (m) Over Voltage Protection Scheme 1 set	We understand that Fault Recorder ,Distance to Fault Locator & Over Voltage Protection Scheme is acceptable as built in part of Distance Relay for 220kV feeders	Acceptable	
232	15.1 GENERAL /Chapter15	All these standards are applicable to elements like HMI, Ethernet network and elements, Gateways, IEDs.	All Type tests mentioned in the list are not applicable for every type of devices like IEDs, Gateways, HMI etc. For example IEC 60255 specifies common rules and requirements applicable to measuring relays and protection equipments and is not applicable for other equipments being offered. Our offered equipments will comply to required standards applicable to them.	The type tests should be carried out as per the relevant standard meant for that particular equipment	
233	Automation Standard/Chapter15/	All IEDs shall have redundant power card.	We propose redundant supply source with auto changeover outside the Relay/IED/BCU. In case of power failure in one source, relay shall get supply from other source through auto change-over. Any of the supply failure shall generate necessary alarm to local SCADA. Pls confirm	Acceptable	

234	Automation Standard/Chapter15/	Gateway IEDs shall have redundant power card.	We propose redundant supply source with auto changeover outside the Relay/IED/BCU. In case of power failure in one source, relay shall get supply from other source through auto change-over. Any of the supply failure shall generate necessary alarm to local SCADA. Pls confirm	Acceptable	
235	Automation Standard/15.1/Chapter15	Metering server (Industrial Grade) and protocol converter.	We understand that Meters shall be integrated at Metering Server only.	Acceptable	
236	Automation Standard/15.1/Chapter15	Gateway shall also have redundancy and redundant Gateway shall not be housed in a single cabinet. The Gateway shall also have sufficient future expandability and this shall excludes data for 3 (three) numbers future provision bays. The Gateways shall have redundant power cards.	Specification calls for redundant gateway which mean failure of one gateway shall not lead to failure of data transmission to control center. We can provide redundant gateways with redundant power supplies in a rack which will fully comply to requirements of processor, power supply & communication redundancy and failure of any one type of equipment will not lead to total failure. Kindly confirm	Acceptable	
237	15.28. Major Component of SAS /Chapter15	For all the SAS equipment, the power supply unit shall have dual mode i.e. main & redundant card, in case of any one card fail, the IED/Component of SAS shall have to switch over to redundant card and to	We propose redundant supply source with auto changeover outside the Relay/IED/BCU. In case of power failure in one source, relay shall get supply from other source through auto change-over. Any of the	The industrial PC meant for SAS should have main and redundant card for power supply	

		generate alarm for the outage of the card.	supply failure shall generate necessary alarm to local SCADA. Pls confirm		
238	15.30. GUARANTEES REQUIRED /Chapter15	The Guarantee period will be stipulated for 1 year and beyond which Annual Maintenance Contract (AMC) will come into force.	Kindy specify the scope of AMC in present scope of work. Same is not mentioned in customer BoQ.	Will be decided during issuing of the LOA	
239	15.27/LIST OF MANDATARY SPARES/Chapter15		We have observed that a list of Spares has been mentioned in Specification which is different from Spares list mentioned in customer BoQ .As per our understanding, Customer BoQ shall be applicable for Spares. Kindly confirm.	The bidder should provide all the spare mentioned in the Specification as well as BOQ. Please refer to the modified BOQ.	26
240	General Query	Line details	Please provide the line lengths of all the lines on which DPLCC equipment is envisaged. This is required to determine the maximum output power of the DPLCC equipment to be supplied	The power should be in the range to achieve to establish the PLCC connectivity for a line length of at least 180 kM.	
241	BOQ Sheet	Supply_Sub_Sl. No 12.06 - "Audio Cable"	Bidder's understanding is that this is standard telephone cable. Please confirm if bidder's understanding is correct. Also, please specify the following about the cable type: 1) Armoured or Unarmoured type 2) How many pair required?	Audio cable should be armoured with minimum 5 pairs.	



242	15.7/Chapter15/Bay Control Function/	Extension possibilities with additional I/O's inside the unit or via fiber optic communication and process bus	We understand that process bus is not the requirement in present scope of work. Process bus based solution is completely different from standard solution. Kindy confirm.	Yes	
243	General	Power Transformers	We understand that the capitalization of losses in Power Transformers shall be applicable for the price evaluation of the bid. However, the loss capitalization values are not provided in the tender. Request M/s AEGCL to provide the same.	Loss capitalization shall be as per calculation clause provided in the BID.	
244	Price Schedule, BOQ_26523 , Supply_Sub BHP Item No. 9.02	Online Partial Discharge Monitoring Unit	The technical specification for the Online Partial Discharge Monitoring Unit is not available in the tender. We request you to provide the same so that all the bidders consider similar type of the Online Partial Discharge Monitoring Unit. We , However, propose to supply 3-channel offline type PD monitoring system and this type of system is acceptable by utilites across the country and serves the purpose quite well.	The bidder are requested to provide the same of reputed manufacturer and the offered make shall be approved during detail Engineering.	
245	General	Make List for all the major equipments	We request you to provide us with the approved make list for all the major equipments (such as : Power Transformer, GIS, 33KV Panels, Cables, LT	AEGCL doesn't have any approved make list.	

			Panels, Wave Trap, CTs, CVTs, Isolators, Testing Equipments as per the Bill of Quantity, DG Set etc.). This will allow all the bidders to consider similar type of the equipments and without much cost difference from vendor to vendor.		
246	General	Fire Protection for the 220/33KV , 100MVA Power Transformers	We understand that both NIFPES system and HVWS system are required for the fire protection of the power transformers. Please confirm the same.	Yes	
247	220KV GIS Specifications, 16.2. ELECTRICAL RATINGS:	The GIS equipment shall be provided with one enclosure per phase for all gas compartments.	The offered 245kV GIS has 3-phase encapsulated bus bars and the rest of the switchgear is single phase encapsulated. Please confirm if this design suits your requirement.	As per Bid	
248	220KV GIS Specifications,16.3.1 General	The GIS shall be made of tubular Aluminium alloy and filled with SF6 gas for insulation. Enclosures shall be of single phase for 400kV & 245kV and 3- phase encapsulation for 145kV for both the bus-bars and the feeder section bays.	The offered 245kV GIS has 3-phase encapsulated bus bars and the rest of the switchgear is single phase encapsulated. This design is widely accepted and is in service at various substations across the globe. Moreover IEC doesn't restrict or endorse a single phase encapsulated busbar for 245kV GIS. We request your good office to accept our design.	As per Bid	

249	220KV GIS Specifications, 16.3.1.1 SECTIONALIZATION	Continuous bus lengths without gas segregation shall not be acceptable.	For the offered 245kV GIS, the busbars are of continuous lengths. The maximum gas handling required is approx 100 kg for each busbars through the length. This qty can be handled easily. This design is successfully type tested and is globally accepted. Keeping this in view, we request customer to kindly accept the offered solution.	Accepted.	
250	220KV GIS Specifications, 16.3.1.14.1 UHF sensors for PD detection:	However adequacy of number of sensors and their location shall be verified at site by the contractor as per recommendations of CIGRE task force TF 15/33.03.05 (Task force on Partial discharge detection system for GIS: Sensitivity verification for the UHF method and the acoustic method).	The positioning of sensors shall be as per manufacturer's standards. Additional sensors during execution shall be provided with a cost impact.	As per bid	
251	220KV GIS Specifications, 16.3.2.3 MAINTENANCE EARTHING SWITCH (GROUNDING SWITCHES)	Maintenance earthing switches shall be electrically interlocked to prevent the earthing switch from closing on an energized bus section. The common point of the two bus bars along with earth switch shall be designed and housed in a separate compartment so as to avoid complete shutdown of the system in case of maintenance required in any disconnecter.	The offered GIS switchgear is of modular design. For the offered configuration the earth switch is not placed in separate compartment. However, we confirm meeting the required service continuity requirements with the offered configuration. We request you to kindly accept the offered design.	Accepted.	
252	15.27/LIST OF MANDATORY SPARES/Chapter15		We have observed that a list of Spares has been mentioned in Specification which is different from Spares list mentioned in customer BoQ.	Please follow the updated BOQ.	

			As per our understanding, Customer BoQ shall be applicable for Spares. Kindly confirm.		
253	BOQ_26523	Supply_Sub_BHP - Sl. No 12.06 - "Audio Cable" Supply_Sub_JKH - Sl. No 12.06 - "Audio Cable"	Bidder's understanding is that this is standard telephone cable. Please confirm if bidder's understanding is correct. Also, please specify the following about the cable type: 1) Armoured or Unarmoured type 2) How many pair required?	Audio cable should be armoured with minimum 5 pairs.	
254	Civil Query	Price Schedule Civil Works/Item No. 1-a) Soil investigation	Soil investigation report has been provided in tender documents as Annexure XI and XII. We understand that same can be used for design purpose during execution as well and we need not to do fresh soil investigation. Please confirm.	Fresh soil investigation shall be carried out by the contractor. The data furnish is indicative only.	
255	Civil Query	Price Schedule Civil Works/Item No. 1-c) Site clearance including necessary excavation	a) We understand that tree cutting/jungle clearance is not under present scope. Please confirm.  B) If the same is under present scope, we understand that necessary permissions shall be provided by AEGCL only. Please confirm.	Everything is under contractor scope from permission to making necessary clearance.	

256	Civil Query	Price Schedule Civil Works/Item No. 1-d) Site Preparation and Earth filling with Compaction	We understand that contour maps provided along with tender documents for both the stations shall be followed for finalizing finished ground levels and accordingly quantity of land development shall be calculated. We need not to do fresh contour survey for both the stations. Please confirm.	The contour maps provided along with the BID is final. However, after award of contract joint measurement shall be carried out between AEGCL and the contractor.	
257	Civil Query	Price Schedule Civil Works/Item No.22.07/Construction of Transformer pad for 220/33KV, 100MVA Transformer with oil pit	We understand that rail cum road track is not required from transformer to nearby road as item for same is not there in Bill of material. Please confirm.	Rail cum road track for transformer required.	
258	Civil Query	Price Schedule Civil Works/Item No.22.11/Drains	Request customer to share section drawings for proposed sections of drain for us to quote.	Please refer to the specification and the drawing shall be finalised during detail Engineering.	
259	Civil Query	Price Schedule Civil Works/Item No.22.17/Road	Request customer to share section drawings for proposed sections of road for us to quote.	Please refer to the specification and the drawing shall be finalised during detail Engineering.	
260	Civil Query	Site visit -Bihupuria	During our site visit to the proposed station, we found that proposed land is agricultural land and full of vegetation,shrubs,trees etc. We understand that tree cutting is not covered under present scope. Permission for site clearance activities i.e. shrubs,vegetation	The land is under possession of AEGCL. Everything is under contractor scope from permission to making necessary clearance.	

			clearance shall be provided by AEGCL to us .Please confirm.		
261	Civil Query	Site visit -Bihupuria	During our site visit to the proposed station, we found that existing stores/hutments are there in proposed plot area.We understand that necessary dismantling works shall be done by AEGCL.These are not under present scope of works as there is not line item for dismantling works in Bill of materials.Please confirm.	The land is under pocation of AEGCL. Everything is under contractor scope from permission to making necessary clearance.	
262	Civil Query	Site visit - Jakhlabanda	During our site visit to the proposed station, we found that electric lines are passing on one side of the proposed station.We understand in case of any such line found passing through the plot,same shall be cleared/diverted by AEGCL only.Please confirm.	The land is under pocation of AEGCL. Everything is under contractor scope from permission to making necessary clearance.	
263	Civil Query	Site visit - Jakhlabanda	During our site visit to the proposed station, we found that existing stores/hutments/offices and cable drums/rolls are there in proposed plot area.We understand that necessary dismantling,clearing works shall be done by AEGCL.These are not under present scope of works as there	The land is under pocation of AEGCL. Everything is under contractor scope from permission to making necessary clearance.	

			is not line item for dismantling works in Bill of materials.Please confirm.		
264	Civil Query	Approach road	We assume that approach road for the proposed site will be made ready by M/s.AEGCL while handingover the site at the time of notification of award. Kindly confirm	Approach road under the scope of the contractor.	
265	Civil Query	Site	<p>Due to the country wide lockdown and travel restrictions due to the Covid 19, we request M/s. AEGCL to provide us the</p> <p>i).Construction material availability (aggregate, sand, borrowed earth, bricks etc..) and its rates along with supplier contact details.</p> <p>ii). Local condition like availibility of water and power, proposed site location along with coordinates and village name.</p> <p>iii).Availability of guest house, nearest bus/railway station, availability of AEGCL guest house if any, detail of nearby any construction work.</p> <p>iv). Borewell depth to be</p>	Not possible	

			<p>considered for water supply, photographs of the proposed site etc...</p> <p>v). We would like to setup labour camp for approximately labour force of 150Nos (Skilled and unskilled) during the peak period adjacent to the proposed site. Request M/s. AEGCL to provide permission for the same. Kindly do inform us about the lease cost for the same in monthly basis inorder to set up the same adjacent to the proposed site. Also provide us the distance of labour camp from proposed site location.</p>		
266	Civil Query	Site	<p>We assume that necessary construction permission along with required gate passess without any delay will be provided to us for our staff, labour, vehicles and for working at night. Kindly confirm</p>	<p>Site will be handed over as per Bid</p>	
267	Civil Query	Drawings	<p>Request M/s. AEGCL to provide us the standard foundation drawings of tower foundations,equipment foundations, FFPH building and Fire water tank etc..</p>	<p>Will be shared finalised during detail engineering.</p>	



268	Civil Query	Proposed Switchyard Land	We understand that proposed Switchyard land has been acquired by M/s. AEGCL and same shall be handed over to us at the time of Notification of award . Please confirm	Yes.	
269	Civil Query	Proposed Switchyard Land	We assume that, encumbrance free land will be handedover to us. Kindly confirm	Already in possession of AEGCL.	
270	Civil Query	Hinderance Register	Hinderance register shall be maintained by us at site which shall include the delays due to force majures,rain fall,natural calmaities, local issues etc. and extension/compensation shall be provided to us for the same.Please confirm.	Hindrance register shall be counter signed by AEGCL officer shall be consider for any extension.	
271	Civil Query	Site office,stores, batching plant, fabrication yard etc ...	Request M/s.AEGCL to permit for having site office / stores / batching plant/fabrication yard within AEGCL proposed site for smooth coordination works.	Accepted.	
272	Civil Query	Hinderances in the proposed site	Trees / bushes / scrap materials/ collapsed boundary wall /cable drums/ stores etc – These are the items which will cause hinderance during execution, Kindly confirm that the site will be handed over encumbrance free by clearing all the items as specified.	The land is already in possession of AEGCL. But all necessary site clearance is in the contractor scope.	
273	Civil Query	Construction power and water	We assume that construction power and water will be provided at one point within the proposed Switchyard in free of cost. Kindly confirm	Contractor scope.	

274	Civil Query	Approved Makes	We request you for the details on the approved construction material makes in AEGCL like cement, steel etc..	AEGCL doesn't have any approved make list. But the offered material need to be approved by AEGCL.	
275	Civil Query	Storm water drainage	<p>We understand hindrance free land shall be provided for Storm water drainage - Connecting the Switchyard drainage to the outfall points. Kindly confirm.</p> <p>If not we understand required approvals shall be obtained and provided by M/s. AEGCL for necessary ROW from any other departments or PVT parties. We request you to confirm.</p>	Contractor scope.	
276	Civil Query	Use of M Sand	We would like to propose for using of Manufacture Sand for all civil works since scarcity of river sand and mining restriction by the Govt. Kindly confirm.	Only river sand is allowed	
277	33KV Switchboard	9.3.2 Principal parameters , The circuit breakers shall have following ratings and characteristics: j) Short time current: Not less than 31.5 kA for 3 sec	kindly confirm whether 31.5 KA is mandatory fault level required or not	As per bid	
278	33KV Switchboard	Panel Thickness	panel thickness shall be as per manufacturers standard, kindly confirm	Yes, but the same need to be approved during detail engineering.	

279	33KV Switchboard	Separate control panel	As per BOQ since separate protection cum control panel has to be supplied, therefore we are considering all the protection relay in 33KV CRP and we are not considering it in 33KV Switchgear panel.	Accepted.	
280	33KV Switchboard	Bus and cable earthing truck	We shall provide one number cable earthing truck and one no bus earthing truck in one multi panel switchboard for bus earthing and cable earthing purpose during maintenance		
281	BOQ:- S.No 18.01 / 2 TON CAPACITY SPLIT AIR CONDITIONING UNITS for Control Room Building	Common	We understand the Air Conditioning to be provided for 1. Battery room 2. Engineer Room 3. JE Room 4. Electrical room 5. Conference room and 6. SCADA room	Including CRP & LCC room.	
282	BOQ:- S.No 18.02 / Ventilation system for 245kV GIS Building (Ventilation System with Centrifugal Fan and related Accessories should comprise of Pre and Fine air filter,Air Purifier, centrifugal fan, ducting network, air supply grilles, gravity dampers, electrical and instrumentation etc.)	Common	1. Kindly provide specification for Ventilation system. 2. Being once thru system providing Air Purifier may not be efficient/necessary in addition to that it is an unmanned area in general. If air purifier is must kindly furnish details and detailed specification for the same. 3. We are considering 4 ACPH for the sizing of GIS building ventilation system.	Accepted	

283	245kV Panel room	Common	Kindly confirm the air conditioning requirements of 245kV panel room where CRP & LCP are placed. Also add in the BOQ	Required.	
284	33kV Switchgear Room	Common	We are considering ventilation system for this room. Kindly confirm and add in BOQ.	Accepted.	
285	CHAPTER 6: AIR CONDITIONING SYSTEM	Common	1. We are considering N+1 or N+2 stand-by requirements only for Battery room, Scada Room and Panel room. Rest of the areas will not have any stand-by. Please confirm. 2. Split air conditioner shall have only cooling mode. Please confirm.	1. Will be confirm during detail Engineering. 2. All types of mode shall be available.	
286	BOQ:- S.No 19.01 / Fire Alarm & Detection system for 245kV GIS Buildings, Control Room building including Fire Alarm panel, Multi Sensor detector, manual Call point, Hooter, Response Indicators, Beam Detector, Cabling and ISOLATING MODULE	Common	Please confirm the type of FDA system required. We are considering conventional type FDA system for Control Room Building and 245kV GIS Building.	Conventional type. Please refer to the corrigendum and modified BOQ.	

287	BOQ:- S.No 20.01 / Hydrant system along with pumping arrangement & associated Civil works for fire protection system	Common	We understand that hydrant scope is limited to the following: 1. Pumphouse (FFPH) 2. Transformers 3. Control Room & 33kV GIS building 4. 245kV GIS Building Please confirm	Accepted	
288	General		We understand that, 220kV Line entry to the substation/plot as per tender input drg only. However GIS Building & CRB orientation and Transformer orientation can be modified as per equipment GA. Please confirm.	Yes	
289	General	GIS Building	We understand that, GIS Building is tentative. Vendor can change orientation, Building Size etc as per their equipment layout. Please confirm.	Yes. All drawing are indicative and for tender purpose only.	
290	General	Wave Trap	We have considered suspension/hanging type WT as per Technical Specification, Please confirm.	Yes	
291	General	Cable Tray	We understand that, Cable tray is not required for Cable laying at Indoor & Outdoor Cable trench. Only Cable support provided as per Technical Specification & typ Cable Trench tender input drg. please Confirm.	Cable tray shall be used for both outdoor and indoor	

292	General	33kV Gantry Location	From Tender Layout, 33kV Line entry & 33kV Gantry location is not clear. Please confirm the actual location for Lot quantity estimation (Burried Cable Trench, Cable clamp e.t.c.).	Will be confirm during detail Engineering.	
293	General	Lighting Transformer	We have not found the requirement of Lighting Transformer in Technical Specification for MLDB & ELDB. It is required or not, please confirm.	Not necessary.	
294	Price Bid/5.01	220kV CVT	As per price schedule, the qty of 220kV CVT is 12 Nos. Actual qty will be 6 Nos for 2 Nos Line Bay. Please confirm the actual Qty.	CVT 12 Nos shall be required considering the remote end PLCC link which will be under the scope of the bidder. Please refer to the corrigendum.	
295	Price Bid/5.02	220kV WT	As per price schedule, the qty of 220kV WT is 8 Nos. Actual qty will be 4 Nos for 2 Nos Line Bay. Please confirm the actual Qty.	Wave trap 8 nos. Nos shall be required considering the remote end PLCC link which will be under the scope of the bidder. Please refer to the corrigendum.	
296	Price Bid/11.01/11.02/11.04/11.05	220V & 48V Battery & Battery Charger	we understand that the rating of Battery & Charger is firm and vendor has to offer accordingly. Any increase or decrease of rating w.r.t tender stage rating shall have price implication.	No price implication shall be entertained by AEGCL.	

297	Price Bid/11.07/11.08	Main ACDB & Sub ACDB	As per price schedule, the qty of Main ACDB & Sub ACDB is 2 Set & 2 Nos respectively. Actual qty will be 1 set & 1 No respectively. Please confirm the actual Qty.	As per BOQ.	
298	Price Bid/24	Lightning Mast	We understand that, no of Lightning Mast shown in tender layout is tentative only. Quantity of Lightning Mast shall be as per DSLP Calculation & layout for present scope equipment only. Please confirm.	Yes.	
299	BOQ BOQ_26523 A BOQ_26482 B, BOQ SI No 8 :8.03 & 8.04 & Drawing No.:1) NAC/AEGCL/BIHPUR IA/SLD/003, 2) NAC/AEGCL/JALAKH BANDHA/SLD/003 3)NAC/AEGCL/CHHA YEGAON/SLD-003, 220kV GIS STC withstand rating	<b>Customer's Requirement:</b> In technical specification, future space for ICT bays: 2 nos. at each substation. Line Bays: 2 nos. at each substation. While in SLD and Floor plan ICT Bays- 1nos. At each substation. Line Bays-6nos. are shown.	<b>Bidder's Remarks:</b> We would like to inform you that there is discrepancy in technical specification and SLD layout for no. of future bay. So we consider as per the SLD and Layout.  Please confirm the same.	220kV future line bay:6 numbers and future ICT bay: 1 number <b>Addendum issued</b>	3, 4
300	BOQ BOQ_26523 A BOQ_26482 B, BOQ SI No : 8.04, BUS VT LCC	<b>Customer's Requirement:</b> In technical specification, future space for ICT bays: 2 nos. at each substation. Line Bays: 2 nos. at each substation. While in SLD and Floor plan ICT Bays- 1nos. At each substation. Line Bays-4nos. are shown.	<b>Bidder's Remarks:</b> We would like to inform you that there is discrepancy in technical specification and SLD layout for no. of future bay. So we consider as per the SLD and Layout.  Please confirm the same.	220kV future line bay:6 numbers and future ICT bay: 1 number <b>Addendum issued</b>	3, 4

301	BOQ BOQ_26523 A BOQ_26482 B, BOQ SI No-25.0122, 220kV GIS Line & Trafo bays Earthing Switch	<b>Customer's Requirement:</b> N/A	<b>Bidder's Remarks:</b> We would like to inform you that, we have not received the customer SLD for Nagaon. We shall consider the scope of supply as per BOQ only.  Kindly confirm the same.	Corrigendum will be issued.	
302	BOQ BOQ_26523 A BOQ_26482 B, SI No:8.07, EOT Crane	<b>Customer's Requirement:</b> 7.5 TON EOT crane for 245 GIS building.	<b>Bidder's Remarks:</b> The EOT crane is not in GIS supply scope, it is EPC scope.  Kindly confirm the same.	Since this an EPC contract so, everything will be under bidder's scope	
303	TS, TS-2.6.12 Page No 36 of 782 1)NAC/AEGCL/Nagaon /SLD/003, 2) NAC/AEGCL/Chyagao n/SLD/003, Space for future Scope	<b>Customer's Requirement:</b> In technical specification, future space for ICT bays: 2 nos. at each substation. Line Bays: 2 nos. at each substation. While in SLD and Floor plan ICT Bays- 1nos. At each substation. Line Bays-6nos. are shown.	<b>Bidder's Remarks:</b> We would like to inform you that there is discrepancy in technical specification and SLD layout for no. of future bay. So we consider as per the SLD and Layout.  Please confirm the same.	220kV future line bay: 6 numbers and future ICT bay: 1 number <b>Addendum issued</b>	3, 4
304	TS, TS- 2.6.12 Page No 36 of 782 3) NAC/AEGCL/CHHAY EGAON/SLD-003, Space for future Scope	<b>Customer's Requirement:</b> In technical specification, future space for ICT bays: 2 nos. at each substation. Line Bays: 2 nos. at each substation. While in SLD and Floor plan ICT Bays- 1nos. At each substation. Line Bays-4nos. are shown.	<b>Bidder's Remarks:</b> We would like to inform you that there is discrepancy in technical specification and SLD layout for no. of future bay. So we consider as per the SLD and Layout.  Please confirm the same.	220kV future line bay:6 numbers and future ICT bay: 1 number <b>Addendum issued</b>	3, 4
305	Drawings -Nagaon 2 PDF File, 220kV Nagaon SLD	<b>Customer's Requirement:</b> N/A	<b>Bidder's Remarks:</b> We would like to inform you that, we have not received the customer SLD for Nagaon. We shall consider the scope of supply as per BOQ only.	Yes. SLD will be uploaded after the pre-bid meeting	



			Kindly confirm the same.		
306	SLD, Drawing No.: 1) NAC/AEGCL/BIHPUR IA/SLD/003, 2) NAC/AEGCL/JALAKH BANDHA/SLD/003 , For 220kV GIS SLD	<b>Customer's Requirement:</b> N/A	<b>Bidder's Remarks:</b> We would like to inform you that, as per the SLD, the future bays are shown between bays which under present scope. However for the better flexibility of layout, we shall consider the future bays at one of GIS under present scope.  Kindly confirm accept the same.	The bidder must follow the plan layout	
307	TS, Pg. 311 of 782, Pressure Vessel Code	<b>Customer's Requirement:</b> Each, housing is subject to a pressure and gas tightness test and complies with the requirements of the relevant CENELEC standard.	<b>Bidder's Remarks:</b> We would like inform you that, as material code is country based codes. For pressure vessel code,,we follow KS-D6008 with equipment EN code (ENAC-42100). Also we will conduct all the pressure test for enclosure as per the Cl.6.103-IEC-203-2011.  Kindly accept the same.	Accepted	
308	BOQ BOQ_26523 A BOQ_26482 B, Special Tools	<b>Customer's Requirement:</b> Video Borescope required in special tools list.	<b>Bidder's Remarks:</b> We would like to inform you that, the mentioned Special tool shall not be in GIS Scope of supply.  Kindly accept the same.	Since this an EPC contract so, it will be under bidder's scope	
309	TS, Pg. 338 of 782, GIS, CB, DS, Es & HES Parameters	<b>Customer's Requirement:</b> For 220kV GIS, Lighting impulse withstand voltage & Power frequency withstand voltage across isolating distance is mentioned	<b>Bidder's Remarks:</b> We would like to inform you that, kindly follow the mentioned requirement as per IEC (1050 KVp & 460 KVrms	Not accepted. Should be as per bid.	

		1225kVpeak & 605kVrms respectively.	respectively)  Kindly accept the same.		
310	TS, TS-16.3.1.8, Continuous gas monitoring	<b>Customer's Requirement:</b> Continuous on line monitoring system is required, to monitor conditions such as gas density, gas pressure, gas leakage, moisture (offline) etc.	<b>Bidder's Remarks:</b> We would like to inform that, we shall provide, Gas Density Monitor only which has NO/NC contact for each compartment for all the bays under GIS scope. The same shall fulfil the customer requirement for monitoring of SF6 gas. And we didn't consider gas transmitter to monitor SF6 gas online.  Kindly accept the same.	Not accepted. Should be as per bid.	
311	BOQ_26523 A BOQ_26482 B 220kV SLD, BOQ SI No: 8.04 & SLD of Package A & B, Current Rating	<b>Customer's Requirement:</b> For 220kV GIS current rating given in BOQ is 3150 Amp. While in SLD 40000 Amp.	<b>Bidder's Remarks:</b> Discrepancy in data between BOQ and SLD.  Kindly clarify the same.	Current rating is 3150 Amps	
312	TS, GIS GTP 8 & TS clause no. 16.3.1.4 Page No-315 of 718, Gas Loss per annum	<b>Customer's Requirement:</b> Guaranteed Maximum Gas Losses for each Compartment for all Individual Section 0.1 % per Annum & as per TS The Gas loss of the switchgear shall be in no case higher than 0.5% per year (as per IEC62271-203).	<b>Bidder's Remarks:</b> As per IEC 62271-203 standards, we provide Guaranteed Maximum Gas Losses for each Compartment for all Individual Section less than 0.5% per Annum. There is discrepancy in data.  Kindly clarify the same.	As per bid	

313	220kV GIS TS, GIS GTP -SL No.-7, Circuit Breaker parameters	<b>Customer's Requirement:</b> Rated power frequency withstand voltage with circuit breaker open condition is 605 kVrms. Rated lighting impulse withstand voltage with circuit breaker open condition is 1220kVp.	<b>Bidder's Remarks:</b> As per IEC 62271-203, Rated power frequency withstand voltage with circuit breaker open condition is 460kVrms. Rated lighting impulse withstand voltage with circuit breaker open condition is 1050kVp.  Kindly accept the same.	Not accepted. Should be as per bid.	
314	220kV GIS TS, GIS GTP -SL No.-5, Disconnecting switch parameters	<b>Customer's Requirement:</b> Rated power frequency withstand voltage across isolating distance is 605kVrms. Rated lighting impulse withstand voltage across isolating distance is 1220kVp	<b>Bidder's Remarks:</b> As per IEC 62271-203, Rated power frequency withstand voltage with circuit breaker open condition is 530kVrms. Rated lighting impulse withstand voltage with circuit breaker open condition is 1200kVp.  Kindly accept the same.	Not accepted. Should be as per bid.	
315	BOQ_26523 A BOQ_26482 B 220kV SLD, BOQ Package A,B-CB,DS & ES 8.245kV GIS equipment,	<b>Customer's Requirement:</b> 3 Phase CB, ES & DS.	<b>Bidder's Remarks:</b> We would like to inform that, We provide single phase CB, ES & DS. However our ES and DS mechanism is gang operated, which is being accepted and approved by All leading state TRANSCOs.  Kindly accept the same.	Please follow the updated BoQ	26
316	Earth resistivity test report	Annexure XIII_ERT Bihpuria substation & Annexure XI Bihpuria SI	We are getting two different values as per the provided two ERT reports. Kindly provide the average soil resistivity value	Please follow Annexure XIII	

317	Water tank and pump house drawing	Bihupuria plot plan (Dwg No: NAC/AEGCL//PLOT PLAN-002)	Please provide the water tank and pump house drawing	Design & Drawing shall be provided by Contractor.	
318	Indoor lighting scope for RE Residence building	Price schedule: Supply_Sub_BHP Si. No:22.01 Indoor lighting	Indoor lighting for RE. RESIDENCE building is missing in the price schedule. Please confirm the scope of work for the same.	Please refer to the modified BOQ.	
319	Post insulator qty	Price schedule: Supply_Sub_BHP Si. No:2.039	As price schedule, “245KV, 1 Phase solid core bus post insulator” qty mentioned as 44 Nos. But as per Substation layout plan & section (Dwg No: NAC/AEGCL/BIHPURIA/EL-004) 220KV Bus post insulator qty mentioned as 8 Nos. Please confirm the qty for the same.	Please follow the price Schedule. Price schedule has been modified and uploaded. Please follow the modified price schedule.	26
320	245KV Isolator rating	Price schedule: Supply_Sub_BHP Si. No:2.01 & Single line diagram (Dwg No: NAC/AEGCL/BIHPURIA/SLD-003)	As per single diagram, the rating of 245KV Isolator mentioned as 4000A. But as per price schedule the rating of Isolator mentioned as 3150A. Please confirm the rating of 245KV Isolator.	Please follow the price Schedule. Price schedule has been modified and uploaded. Please follow the modified price schedule	26
321	33KV Outgoing line tower location	Bihupuria plot plan (Dwg No: NAC/AEGCL/BIHPURIA/PLOT PLAN-002)	Please provide the location of 33KV Outgoing line tower, 33kv Isolator & 33KV LA location. It is missing in the layout.	The Bidder need to submit the drawing related to 33kV Outgoing feeders during detail Engineering. All drawing enclosed in the bid are indicative and for tender purpose only.	
322	245KV CVT & Wave trap qty	Price schedule: Supply_Sub_BHP Si. No:5 & Substation layout plan (Dwg	As per price schedule CVT & WT qty mentioned as 12 Nos & 8Nos but whereas in layout	CVT 12 Nos shall be required considering the remote end PLCC link	

		No:NAC/AEGCL/BIHPURIA/EL-004)	CVT & WT qty mentioned as 6Nos & 4Nos. Please confirm the qty for CVT & WT	which will be under the scope of the bidder. Please refer to the corrigendum.	
323	245KV Control relay & protection panel qty	Price schedule: Supply_Sub_BHP Si. No:6 & Single line diagram (Dwg No:NAC/AEGCL/BIHPURIA/SLD-003)	As per price schedule, the qty of Line protection panel, Transformer protection panel mentioned as 1Nos each. But as per SLD & project scope, 2Nos of line & Transformer feeders are required. Please confirm the no.of 220kV CRP panels.	Please follow the price Schedule. Price schedule has been modified and uploaded. Please follow the modified price schedule.	
324	245KV GIS equipment & Busbar rating	Price schedule: Supply_Sub_BHP & Single line diagram (Dwg No:NAC/AEGCL/BIHPURIA/SLD-003)	As per price schedule equipment rating mentioned as 3150A. But as per single line diagram it is mentioned as 4000A. Please confirm the rating of the same.	Please follow the price Schedule. Price schedule has been modified and uploaded. Please follow the modified price schedule.	
325	33KV cable termination qty	Price schedule: Supply_Sub_BHP Si. No:13.02	As per price schedule 33KV cable termination qty 40 Nos (39+1spare) provided. We presume that both indoor and outdoor cable termination qty are covered in this line item. As per SLD total 60Nos are required (6 Nos Line bays = 36, 2 Nos Transformer bay = 12 Nos, 2 Nos SST bay = 12 Nos) both ends considered. Please confirm the same.	Total numbers shall be 100 considering Spare. BOQ will be modified accordingly.	
326	Volume II Technical specification	Cl.No:2.6.12, 33KV (Indoor VCB panel) present scope of work for Line bays: 12 Nos at each substation	As per specification mentioned that, Present scope for 33KV line bays mentioned as 12Nos. But as per Single line diagram (Dwg No: NAC/AEGCL/BIHPURIA/SL	The 33kV VCB Indoor panel should be of atleast 15 unit. 6 line bays, 2 Transformer incomer, 1 bus sectionaliser, 2 for	26

			D-003) the number of 33KV bays for present scope is 6Nos. Please confirm the present scope of 33KV line bays.	station transformer, 2 for PT bay & two numbers is consider as spare. The BOQ will be modified accordingly.	
327	Volume II Technical specification	Cl.No:2.6.12, Space for future expansion (33KV)	We presume that bidder to follow the number of future space provision as per Single line diagram (Dwg No: NAC/AEGCL/BIHPURIA/SL D-003). Please confirm the same.	Yes	
328	40mm MS Rod 3Mtrs long - Qty	Price schedule: Supply_Sub_BHP Si.No: 16.015 & Si.No: 16.021	We presume that MS rods (3Mtrs long) required for Earthing for fencing around the substation are covered in the line item Si. No:16.015. Please confirm the same.	Yes	
329	Volume II Technical specification	Cl.5.13 Cable and trench sections	As per specification mentioned that, "A clear (vertical) space of at least 300mm shall be available for each tier in cable trench". But whereas in Cable trench section-C (Dwg. No: AEGCL/AIIB/PACKAGE A/44) the dimension considered as 200mm. We presume that bidder to follow as per Dwg.No: AEGCL/AIIB/PACKAGE A/44. Please confirm the same.	Yes. Please follow as per drawing.	
330	Volume II Technical specification	Chapter-9: Technical specification for 36KV VCB, Cl:9.3.2	As per specification Cl.9.3.2. j mentioned that, Short time current: Not less than 31.5KA for 3 sec. But whereas in Single line diagram (Dwg No: NAC/AEGCL/BIHPURIA/SL	The Short time current rating should be 31.5kA for 3 Sec. <b>Addendum issued</b>	14

			D-003) mentioned that bus bar short time current rating as 31.5KA for 1 sec. Please confirm the fault time.		
331	Volume II Technical specification	Chapter-9: Technical specification for 36KV VCB, Cl:9.3.2	As per specification Cl.9.3.2. f mentioned that, Rated continuous current: 2500 Amp for incoming & 1250 Amp rating at an ambient for outgoing feeders. But whereas in Single line diagram (Dwg No: NAC/AEGCL/BIHPURIA/SL D-003) mentioned that, incomer breaker rating as 2000A. Please confirm the rating for the same	The rated continuous current should be 2500Amps for incoming and 1250 Amps for outgoing feeders. <b>Addendum issued</b>	23
332	Volume II Technical specification	Chapter-11: Technical specification for Station transformer, Cl.11.5.6.2	As per specification mentioned that, "It is also responsibility of the supplier to lay the power cable on LV side to connect the transformer to existing LTAC Panel of the Purchaser". Please provide the cable size for Station transformer LV side to Main ACDB	Different sizes are mentioned in the BOQ. However, the LT power cable size will be decided during detail Engineering.	
333	General	Lightning mast height	Please provide the LM height	It will be finalised during detail engineering.	
334	PLCC panel	Price schedule: Supply_Sub_BHP Si. No:12.02 &12.03	In BPS it has been indicated that 4 No.Of digital carrier equipment panel & digital protection panels. Please confirm these PLCC panels requirement is only at substation end or both substation end and remote end.	This requirement is for establishing PLCC and carrier inter tripping for both substation and remote end.	

335	VOLUME II & BOQ		As per tender document we understand that Design of Transmission line towers is in Bidders scope & payment shall be made based on the actual Weights & Volume as approved by AEGCL at the time of execution. Please confirm our understanding.	Yes. However no separate price shall be quoted for design of the Transmission Line tower. Price for design service if any shall be quoted in the individual item of the BOQ.	
336	BOQ- Transmission line_Supply		Quantity for Transmission line towers are mentioned in MT, but breakup for HT & MS is not provided. We understand only MS is used for towers. Please confirm our understanding.	Both MS and HT shall be required for Towers. The bidder shall submit the Tower design drawings wherein the breakup of HT and MT shall be indicated and which will be approved during detailed engineering.	
337	BOQ- Transmission line_Supply		Qty. for Stubs & template are given in Sets. Kindly provide tonnage for the same.	Stubs and template's unit cannot be provided in MT.	
338	BOQ- Transmission line_Supply		Qty. for Galvanized iron nuts & bolts, spring washers, step bolts etc. (No of Tower X MT* per Tower) is provided in Sets as well as in MT at different places. Kindly provide tonnage for the same.	Price Schedule has been modified. Kindly follow the modified Price Schedule. The Tonnage cannot be furnished.	
339	BOQ- Transmission line_Erection		We understand that unit for Welding of all nuts & bolts shall be Per Tower. Please confirm our understanding	In the Price schedule, the "Nos" refer to the Number of Towers.	



340	BOQ- Transmission line_ Erection		Concreting of foundation is inclusive of Cement & reinforcement as per the item description. Kindly provide Bifurcation of M10 & M20 & Qty of reinforcement steel for each type of tower. Also provide us the excavation qty.	The quantity (Volume) as mentioned in BOQ are as per available drawing with AEGCL. However, the contractor can redesign and submit for approval and execution thereof. In doing so, the new design should not exceed the tendered qty and volume. For tendered BOQ please refer to Annexure 1.	
341	CHAPTER 2: INFORMATION TO BIDDERS (ITB)2.5 Approved Manufacturers		As per this clause all the equipment and items offered shall be of any one of the approved makes. Please provide the approved vendors list.	AEGCL doesn't have any approved vendor list. The bidder shall submitted the list of all vendor name from where the equipment will be supplied.	
342	CHAPTER 2: INFORMATION TO BIDDERS (ITB)2.4 Equipment Selection Criteria		As per this clause <i>"The equipment to be offered under the specifications shall be of current &amp; proven design by way of commercial operation for a minimum period of three (3) years. Bidders shall furnish documentary evidence of satisfactory commercial operation / performance of equipment from a minimum of two actual users in the form of authenticated certificate and reference list of Users"</i> We understand that this clause is applicable to main equipment	<i>"The equipment to be offered under the specifications shall be of current &amp; proven design by way of commercial operation for a minimum period of three (3) years. Bidders shall furnish documentary evidence of satisfactory commercial operation / performance of equipment from a minimum of two actual users in the form of</i>	

			viz. GIS & Transformer. Please confirm. Alternatively, please accord acceptance of Powergrid approved vendors without any further requirement of credential submission at tender stage. (since vendor finalization cannot be done at tender stage).	authenticated certificate and reference list of Users”. This is applicable for main equipment like GIS & Transformers.	
343	General		We understand that at Bidding stage only Summary of Type test report is applicable. Details type test report shall be submitted on the event of award. Please confirm our understanding.	Detail test report shall be submitted.	
344	General		Please inform us the Relation of EMD BG value to Contract value which is usually 1 Or 2 % of bid value.	EMD as mentioned in the IFB	
345	General		Please confirm the present Status of Agreement signing between AEGCL/GoAssam with AIIB.	Expected loan signing by September 2020.	
346	General		Please confirm whether AIIB funding is for 100% of Contract value? If not, what will be the resource to finance ETC, Civil works, and GST?	AIIB and GoA counter part.	
347	General		Please confirm whether the Drawing approvals will be done by AEGCL or AIIB. Also request you to mention the time frame for the same.	Approval will be done by AEGCL.	

348	General		Request you for lowering of completion period from 36 months to 24 months.	Not acceptable. Should be as per bid.	
349	General		Please confirm whether Bill certification will be done by AEGCL or AIIB. Also confirm Payment to contractor will be made by whom?	AEGCL	
350	General		We understand that Land is under possession of AEGCL. Please confirm our understanding.	Yes	
351	BOQ & UNPRICE SCHEDULE OF QUANTITY		There is a discrepancy in the qty mentioned in BOQ & UNPRICE SCHEDULE OF QUANTITY. We understand that Qty. mentioned in BOQ (un editable excel format) shall be considered. Please confirm our understanding.	Yes. Uneditable Excel format needs to be followed.	
352	OPGW		Please share the sag tension requirements of OPGW so that we can share the suitable OPGW	At 32 deg no wind condition, for normal span of 335 mts, Tension =1868.6kG and sag = 3.1 mts. At 32 deg no wind condition for normal span of 350 mtrs, Tension =1859.3kG and sag =3.4 mtrs.	
353	PKG_A_VOL_II, Chapter 5, clause no 5.9 (h)	viii. Doors and Windows - In the Air conditioned area shall be double glass (toughened) and doors suitably made to have efficient air conditioning.	Double glass (toughened) and doors is not required as these are required only in areas where temp goes below zero deg C or above 50 deg C. At site, max temp reaches upto 40 deg C. pls confirm	Not acceptable. Should be as per bid.	

354	PKG_A_VOL_II, Chapter 6	CHAPTER 6: AIR CONDITIONING SYSTEM - standby AC is not defined.	We will consider 20% Stand- by Hiwall Split AC units for control room, Battery room and relay panel room only. Pls confirm.	Accepted.	
355	PKG_A_VOL_II, Chapter 6	AIR CONDITIONING SYSTEM - GENERAL	To optimize the Battery sizing, battery room inside temperature shall be maintained between 20 - 24 deg C with Hot & Cold type AC units (working & standby) and battery design shall be done considering inside battery room temperature. Pls confirm.	Air-conditioning for charger room only.	
356	Section 3: Evaluation and Qualification Criteria 2.5 (a) Manufacturers/Subcontr actor	I. The <b>Bidder</b> should have designed, supplied, erected, tested and commissioned on supply cum erection basis at least three (3) GIS installations.....	As per the mentioned clause it is mentioned Bidder, we understand that this is a typographical error and bidder should be replaced by manufacturer. Please confirm our understanding.	Corrigendum issued.	
357	Section 3: Evaluation and Qualification Criteria 2.4.2 Experience in Key Activities	b. The bidder or if the bidder is not a manufacturer must have designed, manufactured....	Cls. 2.4.2(a) sub clause b reads as follows:. The bidder or if bidder is not a <u>manufacturer</u> must have designed, manufactured, type tested, supplied the following equipment..... <i>“The underlined word “manufacturer” to be removed. Seems to be a typographical error..”. please confirm.</i>	Corrigendum issued.	
358	LT Cable	LT Cable	Please provide Technical Specification for LT cables	LT cable shall be as per IS 7098 (XLPE)	

359	LT Switchgear	LT Switchgear	Please Provide Technical Specification of LT Switchgears	LT switchgear should be as per relevant standard, which will finalised during detail Engineering.	
360	Termination Kit	Termination Kit	Conductor cross section details is missing in the Termination Kit BOQ as well as the technical specification	38 mm diameter approx.	
361	Testing & Maintenance Equipment	Testing & Maintenance Equipment	Please Provide Technical Specification of Testing & Maintenance Equipment	The bidder shall submit the make and model of reputed manufacturer which will be finalised by AEGCL during detailed engineering	
362	Cable	Cable	kindly confirm whether HT Cable will be quoted as per IS or IEC standard & LT Cables will be quoted XLPE or PVC.	HT cables as per IEC and LT cable will be XLPE	
363	CCTV	CCTV	Please Provide Complete CCTV technical specifications and Public address system	The bidder shall submit the make and model of reputed manufacturer which will be finalised by AEGCL during detailed engineering	
364	CCTV	CCTV	Existing system details, if integration with the existing system is required	No	
365	Fire Fighting System	Fire Fighting System	Please Provide Technical Specification of Fire Fighting System	As per bid.	
366	Illumination System	Illumination System	Please Provide Technical Specification of Illumination System	A sper bid.	

367	BOQ_26523 A BOQ_26482 B BOQ SL No :8.04	B U S V T L C C LCC is required for Bus VT	We would like to inform you as per our standard practice the separate LCC for Bus VT is not required as we wire all the connection of Bus VT with Bus coupler LCC and the same is accepted to various state and central utilities. Kindly accept and confirm the same.	Accepted.	
367	BOQ_26523 A BOQ_26482 B	BOQ SI No-25.0122 220kV GIS Line & Trafo bays Earthing Switch  As per BOQ 1 Only one No. of earthing switch set is mentioned.	We would like to inform you that, two number of earthing switches are required; one between the Bus side disconnector & circuit breaker and other one between Circuit breaker and line side disconnector. Kindly confirm the same.	The bidders are requested to provide the disconnectors and earth switches as per their standard type tested GIS design. For any variation from the quantities mentioned in the BoQ, the price for the same shall be quoted in that line item considering their standard design.	
368	TS- 2.6.12 Page No 36 of 782 3)NAC/AEGCL/CHHA YEGAON/SLD- 003	In technical specification, future space for ICT bays: 2 nos. at each substation. Line bays: 2 nos. at each substation. While in SLD and Floor plan ICT bays-1nos. at each substation. Line bays- 4nos. are shown.	We would like to inform you that there is discrepancy in technical specification and SLD layout for no of future bay. So we consider as per the SLD and Layout. Please confirm the same.	220kV future line bay:6 numbers and future ICT bay: 1 number <b>Addendum issued</b>	3, 4
369	Drawings -Nagaon 2 PDF File	220 kV Nagaon SLD	We would like to inform you that, we have not received the customer SLD for Nagaon. We shall consider the scope of supply as per BOQ only. Kindly confirm the same.	Drawings will be uploaded. Supplied shall be as per modified BOQ.	26

370	TS Pg. 311 of 782	Each, housing is subject to a pressure and gas tightness test and complies with the requirements of the relevant CENELEC standard	We would like inform you that, as material code is country based codes. For pressure vessel code, we follow KSD6008 with equipment EN code (ENAC-42100).also we will conduct all the pressure test for enclosures per the Cl.6.103-IEC-203- 2011. Kindly accept the same.	Accepted.	
371	TS, Pg. 338 of 782	GIS, CB, DS, ES & HES Parameters For 220kV GIS, Lightning impulse withstand voltage & Power frequency withstand voltage across isolating distance is mentioned 1225kVpeak & 605kVrms respectively.	We would like to inform you that, kindly follow the mentioned requirement as per IEC ( 1050 KVp & 460 KVrms respectively) Kindly accept the same.	Not accepted. Should be as per bid.	
372	TS- 16.3.1.8	Continuous on line monitoring system is required, to monitor conditions such as gas density, gas pressure, gas leakage, moisture (offline) etc	We would like to inform that , we shall provide, Gas Density Monitor only which has NO/ NC contact for each compartment for the all the bays under GIS scope. The same shall fulfil the customer requirement for monitoring of SF6 gas. And we didn't consider gas transmitter to monitor SF6 gas online. Kindly accept the same.	Not accepted. Should be as per bid.	

373	BOQ_26523 A BOQ_26482 B 220kV SLD BOQ SL No :8.04 & SLD of Package A & B	For 220kV GIS current rating given in BOQ is 3150 Amp. While in SLD 4000 Amp.	Discrepancy in data between BOQ and SLD. Kindly clarify the same.	Current rating is 3150 Amps	
374	GIS GTP 8 & TS clause no .16.3.1.4 Page No-315 of 718	Guaranteed Maximum Gas Losses for each Compartment for all Individual Section 0.1 % per Annum & As per TS The Gas loss of the switchgear shall be in no case higher than 0.5% per year (as per IEC62271-203) .	As per IEC 62271-203 standards, we provide Guaranteed Maximum Gas Losses for each Compartment for all Individual Section less than 0.5 % per Annum. There is discrepancy in data. Kindly clarify the same.	As per bid	
375	220kV GIS ; TS GIS GTP -SL No -7	Rated power frequency withstand voltage with circuit breaker open condition is 605 kVrms. Rated lighting impulse withstand voltage with circuit breaker open condition is 1220kVp.	As per IEC 62271- 203, Rated power frequency withstand voltage with circuit breaker open condition is 460kVrms. Rated lighting impulse withstand voltage with circuit breaker open condition is 1050kVp. Kindly accept the same.	Not accepted. Should be as per bid.	
376	220kV GIS TS; GIS GTP -SL No -5	Disconnecting switch parameters Rated power frequency withstand voltage across isolating distance is 605kVrms. Rated lighting impulse withstand voltage across isolating distance is 1220kVp.	As per IEC 62271-203, Rated power frequency withstand voltage with circuit breaker open condition is 530kVrms. Rated lighting impulse withstand voltage with circuit breaker open condition is 1200kVp. Kindly accept the same.	Not accepted. Should be as per bid.	



377	BOQ_26523 A BOQ_26482 B 220kV BOQ Package A,B 8.245kV GIS equipment	3 Phase CB,ES & DS.	We would like to inform that, We provide single phase CB, ES & DS. However our ES and DS mechanism is gang operated, which is being accepted and approved by All leading state TRANSCOs. Kindly accept the same.	Please follow the updated BoQ	26
378	Transmission Line		We understand TL design is in bidder scope. Please confirm	Yes.	
379	BOQ- Transmission line	Qty. mentioned in Supply & Erection BOQ	There is a huge disparity between the quantity mentioned in Supply BOQ & Erection BOQ. Please suggest.	Please follow the updated BoQ	26
380	General		Please confirm type of busbar protection whether it is centralized, or de-centralized bus bar protection also confirm busbar scheme whether it is duplicated or Single.	The bidder shall adopt Centralized or Non - distributed bus bar protection. Separate busbar protection relay shall be provided for 220kV Main Bus Bar 1 and 2.	
381	General		33kV CRP panels location are not indicated in the layout, please confirm location of the same.	All drawings enclosed along with the Bid are indicative and for tender purpose only. However, the contractor will required to produced all related drawing for approval from AEGCL.	
382	General		48V battery & battery charger location to be indicated in the layout. Please provide.	All drawings enclosed along with the Bid are indicative and for tender purpose only. However, the contractor will required to produced all	

				related drawing for approval from AEGCL.	
383	General		Please confirm whether bidder will consider earth mat for entire plot plan or only proposed substation area.	Substation area including future bay scope.	
384	General		In layout RTCC panels are indicated both the places i.e 33kV switchgear as well as 220kV CRP room. Please confirm which location will consider for the RTCC panel.	All drawings enclosed along with the Bid are indicative and for tender purpose only. However, the contractor will required to produced all related drawing for approval from AEGCL.	
385	General		Future ICT bay location has been indicated in between present bays for Bihpuria substation. Please confirm bidder can relocate any one of the sides instead of middle of present bays.	Please follow the plan layout.	
386	General		As per price schedule 33KV cable termination qty 40 Nos (39+1spare) provided. We presumed that both indoor and outdoor cable termination qty are covered in this line item. Please confirm. Further note that as per SLD total 84 Nos are required (6 Nos Line bays = 36, 2 Nos Transformer bay = 36 Nos, 2 Nos SST bay = 12 Nos) both ends but whereas in price schedule indicated as 40	Total numbers shall be 100 considering Spare. BOQ will be modified accordingly	26

			Nos. Please confirm the total quantity.		
387	General		<p>As per tender document we understand that Design of Transmission line towers is in Bidders scope whereas as per BOQ partial quantities are mentioned &amp; partially given in Sets/lot which indicates that AEGCL designs are to be used.</p> <p>Usually in all other utilities, if design is on bidder scope then all the quantities are given in Nos/sets.</p> <p>Please clarify.</p>	The bidder can provide their type tested transmission line towers and quote accordingly.	
388	Price schedule- Civil Works ; item no-22.04	Earthworks	We understand that quantity mentioned under the referred clause includes both backfilling with excavated soil and also backfilling with borrowed earth, kindly confirm.	Yes	
389	T.S - cl no-5.17, Pg no-91	Road Works	We understand that approach road to the substation plot (upto main gate of the substation) is excluded from our scope, Please confirm.	Bidder Scope	

390	Price schedule- Civil Works -22.17 T.S- Road & Culverts, cl.no-5.17 (a), pg-91	Road Works	In Price schedule it is mentioned as Road are made of Interlocking cement concrete block road whereas in technical specification it is mentioned that the switchyard roads are to be made of concrete. kindly clarify.	It should be paver block. <b>Addendum issued</b>	16
391	Price schedule- Civil Works -22.17 T.S- Road & Culverts, cl.no-5.17 (a), pg-91	Road Works	In specification it is mentioned that the switchyard road is to be made of concrete, whereas the same is missing in the price schedule, please include the same.	It should be paver block. <b>Addendum issued</b>	16
392	T.S- cl.no- 5.14 (a), pg.no-87	Standard drawings for septic tank & soak pit -	Kindly provide the technical specifications and standard drawings for septic tank & soak pit - since same is not available in the specification.	Will be finalised during detail engineering.	
393	General	Bus duct Foundation	There is no item for Bus duct Foundation in the price schedule. Please include the same. OR Kindly clarify under which item it will be paid for busduct foundation.	Please quote against the SL no 8.06 (245kV, 1600A, 50kA for 3 second, 1-Ph, SF6 Gas Insulated Bus Duct (GIB) outside GIS hall including Bus Duct support structure and associated accessories and jointing elements) of the updated BOQ.	
394	Price schedule- Item no. 19.0113	Fire fighting Pump House and	Please provide the drawings for FFPH	The bidder shall submit required drawing and the same will be approved by AEGCL during detail Engineering.	

395	Price schedule- Item no. 19.0113	Water tank	Please provide the drawings for water tank	The bidder shall submit required drawing and the same will be approved by AEGCL during detail Engineering.	
396	Technical Specification 5.3, Pg 65/782	Plinth Level	The plinth level for building is given 300mm in Technical Specifications where as 1.2 m in the drawings. Please clarify the same.	As per drawing. All drawing are indicative only.	
397	Price schedule- Item no 14.011-14.016	Tower & Gantry - Drawings	Towers type C3, C5 & B3, B5, beams type and LM tower is mentioned in the price schedule. Please provide the standard drawings of these type of towers & beams.	Drawing if required shall be furnish during detail engineering.	
398	General	Foundation - Filled up soil	We propose to provide the equipment support foundations & other foundations required the bearing capacity less than 6 t/sq.m in 95% compacted filled up soil instead of minimum 500mm into natural ground level, please confirm.	Accepted	
399	General	Slope protection	As per drawing no:AEGCL/AIIB/Package &#13;A/41, We understand that we need to provide retaining wall below the boundary wall since there is 2.5m filling, In this regards, instead of retaining wall we propose to provide the slope protection/stone pitching	Not acceptable. Should be as per bid.	

			within boundary, please confirm.		
400	General	Tower & Gantry - Specifications	Kindly provide the technical specifications for tower and girder design including major points such as a) Wind load as per IS 875 or IS 802 b) Factor of safety to be used for Normal & SCF condition c) Minimum member thickness	a) Wind Zone V, Wind load excluding drag coeff. and gust factor = 81kg/sqm.	
401	Technical Specification 13.6.2.12.1., pg 202	Equipment support structure	As per the mentioned clause Lattice or Pipe supports can be used for the equipment support structure. In this regards, we propose to use lattice structures for all outdoor equipment supports. Please confirm.	Pipe structures is required for Switchyard equipment	21
402	General	Fire Water Tank-Capacity	The Fire Water tank capacity is not been mentioned in the specification, kindly provide the same.	Will be finalised during detail engineering.	
403	General	RCC Box Culvert	Please provide the drawing for RCC box culvert	Will be finalised during detail engineering.	
404	Vol-II Chapter:7 Cl.no: 7.1.2		In description of the referred clause min. creepage distance @25mmkV is mentioned however the values given for various voltage levels are as per 31mm/kV. Kindly confirm the requirement.	Creepage distance will be 31mm/Kv	10

405	Vol-II Chapter:7 Cl.no: 7.1.2		As per specification System short circuit current duration is 3 sec; however as per Single Line Diagrams as well as BPS of the substations it is mentioned as 1 sec. Kindly confirm the requirement.	STC for 3 Sec.	
406	Vol-II Chapter:9 Cl.no:9.3.1		As per the referred clause 33 kV Indoor switchgear panels shall comprise of 33 kV Vacuum Type circuit breakers. However as per SLD SF6 Indoor Circuit breakers are mentioned. Kindly clarify the requirement.	As per bid. 33kV VCB (indoor)	
407	Vol-II Chapter:9 Cl.no:9.11		As per the referred clause 33 kV Indoor switchgear panels shall be provided with cable box & cable glands for terminals of 33 KV, single core XLPE cables of sizes 800 sq.mm. However in BPS sr. no: 13; 33kV 1C:1000 sq.mm XLPE cable is specified. Kindly clarify the requirement.	As per BOQ	26
408	Vol-II Chapter:9 Cl.no: 9.19		33kV Current Transformer technical parameters to be referred to VOL-III drawings; however in SLD; 33kV CT parameters like Knee point voltage, max. sec. resistance are not provided. Kindly furnish complete details of required 33kV CTs	Will be finalised during detail engineering.	
409	Vol-II Chapter:14 Cl.no:14.47		Power and Auto Transformer/Reactor Protection Panel - For back-up	Directional overcurrent relay with Non-Directional feature shall	

			protection non-directional over current relay is mentioned; however in SLD directional over current relay is mentioned. Kindly confirm the requirement.	be provided for Transformers	
410	BPS Sr. no: 3.02		400V MCCB for station transformer 6 nos are given in Bid price schedule for each substation. However as per Vol-II Chapter: 11 clause no: 11.5.2.9: only 1 no LT 630A MCCB is required per station transformer. Kindly confirm the requirement of MCCBs. Also confirm if these MCCB are to be placed inside LV cable box or a separate LT Junction Box is to be provided for this MCCB per station transformer. Kindly clarify the requirement	MCCB will be used for distribution of ac supply as well as isolation from any fault. The current rating and other details for MCCB will be decided during detailed engineering	
411	BPS Sr. no: 2.01		For 245kV Isolators current rating given in BOQ is 3150 Amp. While in SLD 4000Amp is mentioned. Kindly confirm the requirement.	Current rating of Isolator will be 3150 Amps for 220kV line bay, transformer bay and bus coupler bay.	
412	BPS Sr. no: 8.04		For 220kV GIS current rating given in BOQ is 3150 Amp. While in SLD 4000Amp is mentioned. Kindly confirm the requirement.	Current rating shall be 3150 Amp.	



413	BPS Sr. no: 8.04		<p>Client Requirement : LCC is required for Bus VT.</p> <p>We would like to inform you as per the standard practice of GIS Manufacturer, the separate LCC for Bus VT is not required as all the connection of Bus VT are wired with Bus coupler LCC and the same is accepted to various state and central utilities.</p> <p>Kindly accept and confirm the same.</p>	Accepted	
414	BPS Sr. no: 25.0122		<p>Client Requirement : As per BOQ Only one No. of earthing switch set is mentioned.</p> <p>We would like to inform you that, two number of earthing switches are required; one between the Bus side disconnector &amp; circuit breaker and other one between Circuit breaker and line side disconnector.</p> <p>Kindly confirm the same.</p>	<p>The bidders are requested to provide the disconnectors and earth switches as per their standard type tested GIS design. For any variation from the quantities mentioned in the BoQ, the price for the same shall be quoted in that line item considering their standard design.</p> <p>Addendum issued.</p>	13
415	VOL-II Ch: 16: Cl.no: 16.3.1.22		<p>Special Tools: Detailed specification for Video Borescope is not available in T.S. Kindly provide the same.</p>	<p>The bidder are requested to provide the same of reputed manufacturer and the offered make shall be approved during detail Engineering.</p>	

416	VOL-II Ch: 16: Cl.no: 16.4		For 220kV GIS, Lightning impulse withstand voltage & Power frequency withstand voltage across isolating distance is mentioned 1225kVpeak & 605kVrms respectively. We would like to inform you that, the mentioned requirement as per IEC 62271-203, is 1050 KVp & 460 KVrms respectively. Kindly accept the same as per IEC.	Not accepted. Should be as per bid.	
417	VOL-II Ch: 16: Cl.no: 16.4: GTP CIRCUIT BREAKER		GTP Circuit Breaker sr no-7: It specifies as Rated power frequency withstand voltage with circuitbreaker open condition is 605 kVrms. Rated lighting impulse withstand voltage with circuit breaker open condition is 1220kVp. However, As per IEC 62271-203, Rated power frequency withstand voltage with circuit breaker open condition is 460kVrms. Rated lighting impulse withstand voltage with circuit breaker open condition is 1050kVp. Kindly accept the same.	Not accepted. Should be as per bid.	

418	VOL-II Ch: 16: Cl.no: 16.4: GTP DISCONNECTOR		<p>GTP Disconnecter sr no-5: It specifies as Rated power frequency withstand voltage across isolating distance is 605 kVrms.</p> <p>Rated lighting impulse withstand voltage across isolating distance is 1220kVp. However, As per IEC 62271-203, Rated power frequency withstand voltage across isolating distance is 530kVrms.</p> <p>Rated lighting impulse withstand voltage across isolating distance is 1200kVp. Kindly accept the same.</p>	Not accepted. Should be as per bid.	
419	BPS Sr. no 8.01 245kV GIS -DS & ES		<p>As per bid price schedule, 3 phase, Disconnecter &amp; Earth switch are required; however, we propose 3 nos single phase ES &amp; DS like CB. However ES and DS mechanism is gang operated, which is being accepted and approved by All leading state TRANSCOs. Kindly accept the same.</p>	Please follow the updated BoQ	26
420	ITT - Clause 7.1, 7.2, 7.3		<p>Land status will not be known during the site. Hence we request you to please confirm that substation plot is acquired and there is no encumbrance and same will be handed over to successful bidder within 1 week from the date of award.</p>	<p>Substation land is acquired. But all related clearance and permission if any shall be done by the contractor. The plot of land is ready for hand over immediately after contract award.</p>	

421	ITT - Clause 17.1, 17.2		Please confirm whether bidder to propose subcontractors/vendors along with bid or Employer will provide list of such makes. Is it allowed to submit those proposed vendors after award?	The bidder should provide subcontractor/vendor details along with the bid.	
422	ITT - Clause 18.4 & Clause no 12 . Of Section 7: General Condition of Contract		Please confirm whether any Import Duty benefits available for this project. If yes, whether same allowed on Raw materials also.	As per the regulation of GoI for EAP	
423	ITT - Clause 18.4 e)		Please confirm whether Recommended Spare Parts prices will be taken for evaluation or not	Will be taken for evaluation.	
424	ITT - Clause 18.7		Whether package discount clause will be applicable among Package A , B & C. please confirm.	Yes.	
425	ITT - Clause 39.5		There should be some limit (+/- %) as against the clause. Beyond any such limits, bid to be rejected.	As per AIIB guidelines.	
426	ITT 11.2 (k)		Submission of Type Test Certificates - During tender stage, there will be multiple vendors and whose type test reports will be voluminous to submit with bid. During execution stage, only 1 or 2 bidders will be there, and same can be submitted during	Not acceptable. Should be as per bid.	

			detailed engineering. Kindly accept the same.		
427	Appendix 2: Price Adjustment		Price adjust bill be paid along with bills submitted. Kindly confirm.	Yes	
428	2.4.1(a) & 2.4.2(a)		Joint Venture/Consortium shall be at least three partners instead of two partners for submission of bid.	Addendum issued.	
429			Out of three partners any one to meet 220 kV GIS experience and 25% Annual TO, second partner to meet 220 kV TL experience & 25% Annual TO, third party to meet atleast successfully commissioning of 2 Nos. 220 kV AIS Bays & 55% Annual TO.	Addendum issued	
430			Any partner can be a lead bidder who meets 100% Financial Requirements against clauses 2.3.2 & 2.3.3	Yes	
431			Bid can be submitted by a JV bidder of two in which case one partner to TL experience and other partner, who meets 100% Financial Requirements, can submit bid with a MANUFACTURER AUTHORISATION LETTER on a Judicial paper for complying the technical requirements as per bid documents and confirmation of	Addendum issued	

			guarantee and supply of spares and carrying out erection testing commissioning under OEM supervision.		
432	GIS Specification: Page 311 of 782	Cast-Aluminium Internal surfaces (cast-aluminium): Seevenax protective paint RAL 7038 (grey) Internal surfaces (aluminium wrought alloy): without surface treatment	We would like to inform you that the internal surface treatment and painting shall be as per manufacturer painting procedure. Please confirm.	The manufacturer may adopt their own painting procedure but the same has to confirm with the specification mentioned in the bid	
433	GIS Specification: Page 314 of 782, Clause 16.4	Tenderer shall confirm the nominal rating of GIS components at 50deg.C	As per Clause 16.4, Technical Particulars, the nominal operating current shall be rated at 40°C. Hence we are considering nominal rating of GIS components at 40°C. Please confirm.	Tenderer shall confirm the nominal rating of GIS components at 50°C.	
434	GIS Specification: Page 314 of 782	Bus PT shall be provided with additional disconnector and grounding switch shown in single line diagram	Please note that since the VT provided is of GIS-VT(i.e. Electro Magnetic type) and there is no need of additional grounding switch as the VT primary winding will be itself earthed. Also, please note that in case of CVT, there is need to earth the capacitance charges, so additional grounding switch is required. So considering the above, please note that the grounding	Bus PT bay should have a disconnector with earth switch so that the respective bus can be earthed. Earth switch should be towards the bus.	

			switch is not required for the bus PT.		
435	GIS Specification: Page 314 of 782	CB≤150 PPM(volume)	Please note that as per OEM standard design, CB≤300 PPM(volume)	Not acceptable. Should be as per bid.	
436	GIS Specification: Page 317 of 782	Any failure shall be immediately signaled by the systems inherent self supervision with clear description of the nature and the location of this failure.	As per OEM standard design, we do not envisage any inherent self-supervision feature. Please confirm.	This feature is required as per bid document.	
437	GIS Specification: Page 317 of 782	Earthing of the Switchgear	Please note that the earthing connection from the GIS earthing terminal(at GIS structure) to main earth mat will be in the scope of main contractor. However all the earthing between GIS equipments and till GIS earthing terminal shall be in GIS manufacturer scope,	This an EPC contract. Design, procurement, delivery at site, storage, construction, erection, installation and commissioning and final charging of the substation along with the associated lines etc, will be under the scope of the successful bidder. Addendum issued.	11
438	GIS Specification: Page 324 of 782	Potential Transformer: BUS PT- Ferro resonance	Please note that ferro-resonance is not applicable to electro magnetic type VT's	Ferro resonance is applicable for all types of VTs. Moreover, ferro resonance is more prone in VTs kept in a GIS environment. Therefore, ferro resonance protection is needed.	

439	GIS Specification: Page 330 of 782	Low voltage cables & control cables	Please note that we are considering connection between GIS & to LCC.	This an EPC contract. Design, procurement, delivery at site, storage, construction, erection, installation and commissioning and final charging of the substation along with the associated lines etc, will be under the scope of the successful bidder.	
440	GIS Specification: Page 338 of 782	1) Time for recharging CO cycle: CO-15sec-CO 2) Number of operations permissible without maintenance: At no load 10000	1) We undersand that from the operating sequence of O-0.3S-CO3min-CO, recharge of CO should be 15sec instead of 3min, Please confirm 2) We understand that without maintenecne means no interchange of parts required within 10000 operations. Further without maintenance means that in between operations some lubrication of parts is required/allowable. please note	1) The operating sequence (auto reclosing cycle) as mentioned should be as per the bid. However, the recharging cycle should be 15 sec. 2) 10000 operations should be permissible without maintenance and without lubrication.	
441	Single Line Diagram: NAC/AEGCL/CHHAY EGAON/SLD/-003, Rev.03 1. CT core locations 2. CVT(Bus)	1. CT core locations 2. CVT(Bus)	1. We are considering the CT cores(6 no's) distributed on each side of CB for all bays. 2. CVT is not applicable for this GIS project and it should be EMVT. Please confirm	Accepted.	



442	General	General	There is no SLD provided for Nagoan substation and we understand that SLD provided for Chhayegaon is applicable for Nagaon SS also. Please confirm	Any missing drawing will be uploaded after pre bid meeting	
443	As per 1 TECH_SPEC_TFR, ANNEXURE – A 4.0	1.8 The Constant Ohmic impedance type (Refer Note1) 1.9 HV-LV Impedance at 75 Deg C at i) Max. Voltage tap % - 10.3 ii) Principal tap % - 12.5 iii) Min. Voltage tap % - 15.4	Please Note in general the transformers of 100MVA, 220/33kV Power transformers are Constant Percentage Impedance type, Hence we propose for the same. impedance pattern for the same shall be as follows: i) Max. Voltage tap % - 13% Approx. ii) Principal tap % - 12.5% +/- IEC iii) Min. Voltage tap % - 12% Approx.	As per bid.	
444	As per 1 TECH_SPEC_TFR, 17.4.0. (ii)	Bidder should have successfully carried out Dynamic Short Circuit test on three phase bank of similar or higher MVA transformer.	As per our understanding bidder should only possess the Dynamic SC Test report for similar or higher MVA Trf against the tendered rating to meet the subjected requirement, please confirm.	We will accept type test report of higher rating transformer of same voltage levels for evaluation purpose. But at least one out of the offered transformers covered under this package should be subjected to short circuit test and test report should be submitted to AEGCL in case of successful bidder. Necessary Corrigendum will be issued.	5

445	As per 1_TECH_SPEC_TFR, 17.9.1.3	The manufacturer shall provide all necessary information and calculations to demonstrate that the transformer meets the requirements for short circuit strength and durability. The latest recommendations of IEC and CIGRE SC 12 shall be applied for short circuit withstand evaluation.	Kindly note, IEC & Cigre SC 12 are adopting different methods/calculatons for ascertaining SC withstand capability of the design. So it will make the design review process complicated which will lead to confusion. As PGCIL is following design review as per CIGRE SC 12 which is well acceptd, we would request you to SC withstand capability should be proven as per CIGRE SC 12 guidelines being adopted by PGCIL	The bidder may follow IEC or CIGRE SC 12 guidelines for ascertaining SC withstand capability of the design of transformer. Necessary Corrigendum will be issued.	6
446	As per 1_TECH_SPEC_TFR, 17.3.1.2	Parallel operation of transformer.	Transformer shall run in parallel with the existing transformer only if the impedance, vector group, tap range, OLTC connection shall be as per the technical parameters mentioned In Annexure - A 4.0 and Annexure - A 3.0	Yes	
447	As per 1_TECH_SPEC_TFR, 17.40.0	Transformer connected to GIS	Clarify whether these transformers are connected to GIS.	Yes	
448	As per 1_TECH_SPEC_TFR, 17.14.0	Bushings	Clarify whether bushings above 52 kV class are OIP or RIP Bushings. Both requirements are mentioned in the specification.	RIP <b>Addendum issued</b>	53
449	As per 1_TECH_SPEC_TFR, 17.14.0	BCT Length - Mentioned as 600mm in case of accommodating 2 CTs.	BCT Length shall depend on the height of the CTs and shall be decided by the bidder	Yes	

			during detailed engineering stage, please confirm		
450	As per 1 TECH_SPEC_TFR, 17.15.1.0	Cooling equipment for radiator bank. In case of seperately mounted radiator bank it is mentioned that the banks shall be placed on the either side of the transforemr tank.	Please consider the arrangement of Cooling banks is planned based on the clearance requirements of Substations and accessories (like cable box and Bushing clearance etc.) Hence, the same to be as per design choice and we propose for both the radiator banks on the one side.	Will be confirm during detail Engineering.	
451	General	Cables	Cables from transformer accessories to marshalling box shall be in manufacturers scope. All other cables in sub station shall not be in manufacturers scope.	EPC scope	
452	Section - 4 - Technical specification for Power transformer, 4.21.3	Qty of Digital RTCC relays	One number Digital RTCC relay shall be considered per Transformer. No Spare Digital RTCC relay shall be considered. Please confirm	Yes	

453	<b>Scope:</b> (Design, Engineering, Manufacture, Assembly, Inspection, Testing at Manufacturer's Works before Dispatch, Packing, Supply, Delivery at Site, Including Insurance During Transit, Subsequent Storage, Erection and Commissioning of GIS, Power Transformers with Associated Switchgears, including Supply & Erection of Substation Steel Structures, Construction of Control Room Building, Erection And Commissioning of new associated Transmission Lines and all other Civil Works on Turnkey Basis)		Competencies for GIS Substations and Transmission Lines are different and varied. Only few have both these independently. We would therefore request you to kindly make separate packages for GIS substations and Transmission Lines for ensuring competencies in the respective area.	Not Accepted	
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454	Vol.II, CHAPTER 7: General technical clauses for Design, Clause No. 7.21.2		To prove the Seismic withstand capability of GIS equipment, we shall provide necessary calculations during drawing approval instead of test reports. Please confirm acceptance.	Not acceptable. Should be as per bid.	
455	Vol.1, Section 3: Evaluation and Qualification Criteria, Clause No. 2.5a, Item No.I - GIS, Page No. 56		We request AEGCL to accept type test reports of same or higher rating for the offered Gas insulated switchgear. Please confirm acceptance.	Type test reports has to be of the same rating as required. Type test reports of higher rating is not acceptable.	
456	Vol.II, CHAPTER 16: Technical specification for GIS, Clause No. 16.3.1, Page No. 314	As per referred clause, "Tenderer shall confirm the nominal rating of GIS components at 50°C". However, as per clause no. 16.4, Circuit breaker, SI No.4, Page No. 337, Nominal operating current of 220kV circuit breaker is 3150A at 40°C.	As above both the clauses are contradicting, we shall follow the design ambient temperature as 40Deg. C as per IEC.	Every GIS component like breaker, isolator, CT, PT etc. should conform to the design ambient temperature of 50 Deg. C	
457	Vol.II, CHAPTER 16: Technical specification for GIS, Clause No. 16.3.1.4 Gas System, Page No. 314	As per referred clause, "The Gas loss of the switchgear shall be in no case higher than 0.5% per year (as per IEC62271-203)". However, as per clause no. 16.4, GIS General Technical parameter, SI No.8,Page No. 345, Guaranteed Maximum Gas Losses for each Compartment for all Individual Section shall be 0.1% per annum.	As both the clauses are contradicting, we understand that the gas leakage rate shall be 0.5% per annum as per the clause 16.3.1.4. Please confirm.	As per bid	

458	Transformer type test report , Clause No. 17.4.0. SPECIFIC REQUIREMENT: Page No. 347	As per the referred clause, Necessary test documents of previously tested similar or higher rated (both in MVA and voltage class) transformer shall have to be submitted with the bid. Test reports for higher class of equipment are acceptable with commitment to perform the type tests free of any charge on the particular equipment(s) after the award of contract. Type Test Reports older than five (5) years on the date of Technical bid opening shall not be accepted.	We request AEGCL to confirm the following: a) Similar rating here refers to voltage & MVA rating same as that of the offered transformer b) Type tests as listed in Annexure-I (Test plan) shall be performed on one unit of the entire package, if Bidder offers test reports of higher rated Transformer.	(a) Confirmed (b) Accepted	
459	Vol.II, CHAPTER 17, Cl. 17.4.0 (ii), Dynamic Effect of Short Circuit:	For 132 kV, 220 kV and 400 kV Class Power/Auto transformer: Bidder should have successfully carried out Dynamic Short Circuit test on three phase bank of similar or higher MVA rated 400/220/33 kV or higher voltage class of Auto transformer as on the date of bid opening and shall enclose the relevant Test Report and certificate along with bid. Otherwise their bid shall be considered technically non responsive.	As the offered transformer rating for this package is 220/33kV, 100MVA, we request AEGCL to accept the dynamic short circuit withstand test report of similar or higher rating (MVA & voltage class) auto transformer or power transformer. Please confirm acceptance.	We will accept type test report of higher rating transformer of same voltage levels for evaluation purpose. But at least one out of the offered transformers covered under this package should be subjected to short circuit test and test report should be submitted to AEGCL in case of successful bidder. Necessary Corrigendum will be issued.	

460	Vol.II, CHAPTER 17: TECHNICAL SPECIFICATION FOR TRANSFORMERS (UPTO 400KV), Clause No. 17.6.1.3 - Maximum losses		Please clarify that Transformer losses shall be guaranteed at which MVA rating - ONAN or ONAF or OFAF ?	The transformer losses shall be guaranteed at 100MVA rating.	
461	Vol.II, CHAPTER 2: INFORMATION TO BIDDERS (ITB), Clause No. 2.3 - Climatic condition:	Minimum outdoor temperature is mentioned 40 Deg C. We understand that Minimum is a typo error, and the same shall be read as Maximum. Further the design ambient temperature to be considered for this project shall be 40Deg. C	As per referred clause, <b>Minimum</b> outdoor temperature is mentioned 40 Deg C. We understand that Minimum is a typo error, and the same shall be read as <b>Maximum</b> . Further the design ambient temperature to be considered for this project shall be 40Deg. C. Please confirm.	The maximum outdoor temperature is 40 deg C. However the design ambient temperature of the GIS should be 50 deg C.	
462	Vol.II, CHAPTER 2: INFORMATION TO BIDDERS (ITB), Clause No. 2.6.12	As per referred clause, 33kV present bays are as follow: a) ICT - 2 Nos. b) Line bay - 12 Nos. c) Bus Sectionalizer bay: 1 No.	However, as per 33kV tender SLD, 33kV present bays are as follow: a) ICT bays - 2 Nos. b) Line bays - 6 Nos. c) Bus Sectionalizer bay: 2 Nos. d) Station Transformer bay : 2 Nos. e) Bus VT - 2 Nos.  Further, as per BoQ, the same is mentioned as 33kV, 3 Phase, 13 Panel Indoor Drawn out type switchgear as per	Addendum issued	3, 4

			<p>specification (Single bus with sectionalizer including 33kV PT)</p> <p>As the specification &amp; drawings are contradicting, please check and furnish the actual number of 33kV present bays.</p>		
463	Vol.II, CHAPTER 5: LAND DEVELOPMENT AND ASSOCIATED CIVIL WORKS, Clause No. 5.2 (a), Page No. 74	The size and layout of the building may be modified as per requirements of Single Line Diagram (SLD) with the approval of EMPLOYER	Please clarify that whether 245kV GIS building and 33kV switchgear & control room building dimension need to be followed as per tender drawing or the same can be optimized as per actual requirement ?	Please note that the drawings supplied indicative only for tender purpose. Buildings can be optimized as per actual requirement at the site.	



464	Vol.II, CHAPTER 7: GENERAL TECHNICAL CLAUSES FOR DESIGN, Clause No. 1.1.2, SI No. 9 Page No. 121	As per referred clause, minimum Clearances for 220kV & 33kV system are as follow: a) Phase to spacing for installation - 220kV - 4500mm & 33kV - 1500mm b) Ground clearances from lowest live terminal of equipment from ground level - 220kV - 7000 mm & 33kV - 4000 mm	However, as per 220/33kV GIS substation layout section drawing, the ground clearance for 220kV LA & CVT is shown as 5600mm whereas for 220kV isolator the ground clearance is indicated as 5900mm only. Further, as per 220/33kV GIS substation layout drawing, 220kV phase to phase distance (at Gantry) is shown as 4000mm only.  As there is a contradiction between specification and drawings, we shall follow the requirements as shown in the drawings, as these are standard clearances followed by utilities. Please confirm.	Clearances mentioned in the drawings may be followed.	
465	Vol.II, CHAPTER 7: GENERAL TECHNICAL CLAUSES FOR DESIGN, Clause No. 7.2, SI No. 10- Rated short circuit current / for three sec. duration	As per referred clause, Rated short circuit current of 33kV system is 31.5kA for 3sec. However, as per 33kV SLD, Rated short circuit current is mentioned as 31.5kA for 1sec.	In this regard, Please confirm the duration of short circuit current of 33kV system.	AS per bid. Rated short circuit current of 33kV system is 31.5kA for 3sec	

466	Vol.II, CHAPTER 9: TECHNICAL SPECIFICATION FOR 36KV VCB (INDOOR TYPE), Clause No. 9.11.1, Page No. 165	As per referred clause, 33kV switchgear cable box shall be suitable for single core XLPE cables of sizes 800 sq.mm (two numbers per phase for transformer panel and one number per phase for each 33 kV outgoing feeders.).	However, as per BoQ, SI No. 13.01, 33kV cable size is mentioned as 1 core , 1000 Sqmm.  In this regard, please check and confirm the actual 33kV cable size & number of runs per phase for the following bays: a) ICT incomer feeder b) Outgoing bay c) Station transformer bay	33kV Cable size will be 1 core, 1000sqmm and there will be two runs for each phase for ICT incomer feeder and single run for each phase for the other 33kV outgoing and station transformer bays Please follow the updated BOQ	26
467	Vol.II, CHAPTER 9: TECHNICAL SPECIFICATION FOR 36KV VCB (INDOOR TYPE), Clause No. 9.11.1, Page No. 165		We understand that the 33kV AIS panels shall be suitable for bottom cable entry. Please confirm.	Confirmed	
468	Vol.II, CHAPTER 20: TECHNICAL SPECIFICATION FOR XLPE CABLE WITH TERMINATION, Clause, No. 20.4, Page No. 493	As per referred clause, 33kV cable metallic screen shall be copper tape.	However, as per clause no. 20.5, The metallic screen shall be of Lead Alloy 'E' as per IS 7098 Part III sheet with asphalt coating.  As above clauses are contradicting, please check and clarify the material of 33kV cable metallic screen.	33kV cable metallic screen shall be copper tape and for 132kV and above it shall be Lead Alloy 'E' as per IS 7098 Part III sheet with asphalt coating.	

469	BoQ - Supply_Sub_BHP / Supply_Sub_JKH - SI No.13.01	In the referred line item, the voltage grade of cable is not mentioned.	We presume that the referred 1C, 1000 Sq. mm cable shall be suitable for 33kV Earthed system. Please confirm.	Please refer to the updated BoQ.	26
470	BoQ - Supply_Sub_BHP / Supply_Sub_JKH - SI No.13.01		We understand that 33kV cable shall be laid directly buried. Please confirm.	33kV Cable will be buried through cable trench	
471	BoQ - Supply_Sub_BHP / Supply_Sub_JKH - SI No.13.02	Referred item is for 33kV cable termination.	Please split the referred line item into two types as follows: a) Indoor type which shall be terminated inside the 33kV switchgear panel. b) Outdoor type which shall be terminated near take-off gantry for 33kV line connection.	As per modified BOQ	26
472	Vol.II, CHAPTER 20: TECHNICAL SPECIFICATION FOR XLPE CABLE WITH TERMINATION, Clause, No. 20.4, Page No. 493	As per referred clause, 33kV cable shape of conductor shall be compacted, stranded, and circular	However, as per clause no. 20.5, For the cable sizes having cross section over 800 sq.mm, the segmental compacted circular conductor having minimum four (4) segments.  We are proposing, 33kV cable conductor shape as stranded circular which is acceptable by all the utilities worldwide upto 1000 Sqmm. cable. Please accept the same.	The 33kV cable shape of conductor shall be compacted, stranded, and circular. Please follow the BOQ	26
473	Drawing - 33kV Single line diagram	As per referred SLD, 33kV Outdoor pole mounted LA & isolator is shown for all 33kV outgoing bays.	However, there is no 33kV pole / Gantry is shown in the 220/33kV substation layout drawing.	The bidder needs to submit any modified drawings related to 33kV Outgoing feeders	

			Please check and update the substation layout showing the location of 33kV pole/gantry.	which will be finalised and approved by AEGCL during detail Engineering. All drawing enclosed in the bid are indicative and for tender purpose only.	
474	Vol.II, CHAPTER 20: TECHNICAL SPECIFICATION FOR XLPE CABLE WITH TERMINATION, Clause, No. 20.4, Page No. 493	As per referred clause, Inner sheath extruded PVC type ST2 for 33kV cable.	However, the same is not mentioned in the clause no. 20.5 - COMPOSITIONS OF CABLES.  In this regard, please check whether inner sheath is required for 33kV cable?	Inner Sheath is required for 33kV Cable.	
475	Vol.II, CHAPTER 20: TECHNICAL SPECIFICATION FOR XLPE CABLE WITH TERMINATION, Clause, No. 20.31 BONDING OF SCREEN/ SHEATH, Page No. 503		We understand that Bonding of the screen is applicable only for EHV cable. The same is not applicable for 33kV cable. Please confirm.	Confirmed	

476	Vol.II, CHAPTER 16: TECHNICAL SPECIFICATION FOR GIS, Clause No. 16.3.2.19 ELECTRIC OVERHEAD CRANE	As per referred clause, The crane for 220kV GIS shall have capacity of minimum 7.5T safe working load & minimum height of crane have shall be 8.0 meters or as per actual requirement whichever is higher.	However, as per Drawing - 220kV GIS building plan layout, EOT crane capacity is mentioned 5T and hook height is 9.0m. Please check and confirm the minimum capacity of EOT crane & hook height.	As per bid.	
477	BoQ - Supply_Sub_BHP / Supply_Sub_JKH - SI NO. 3.01, 250 KVA, 33/0.433kV Station Transformer, including Clamp & Connectors with Energy Efficiency level-III, BIS Class-II	As per referred clause, Station transformer rating is mentioned as 250kVA. If station transformer rating is increased during detail engineering, then the increase in rating shall be suitably compensated by AEGCL	Please confirm whether Bidder's understanding is in order.	BoQ has been modified. Please follow the modified BoQ. The Station Transformer shall be 500kVA. No Cost shall be compensated by AEGCL for any modification during detailed engineering. Addendum issued.	12

478	Vol.II, CHAPTER 11: TECHNICAL SPECIFICATION FOR STATION TRANSFORMERS, Clause No. 11.5.5 TECHNICAL DATA SHEET FOR TRANSFORMERS, SI No. 17 - STC	As per referred clause, station transformer STC is 25kA for 3sec	However, 33kV system, rated short circuit current as per clause no. 7.2, is 31.5kA for 3sec. Please check and confirm the actual short circuit current.	The STC shall be 31.5kA for 3 Sec for 250kVA, 500 kVA and 1000kVA Station Transformer. <b>Addendum issued</b>	1
479	Vol.II, CHAPTER 11: TECHNICAL SPECIFICATION FOR STATION TRANSFORMERS, Clause No. 11.5.5 TECHNICAL DATA SHEET FOR TRANSFORMERS, SI No. 15 - Vector group	As per referred clause of technical specification, the station transformer is a Delta-star transformer with vector group Dyn11.	However, in the 33kV SLD, the station transformer is shown as Zigzag Earthing transformer.  We understand that the requirement shall be as per technical specification, Chapter-11. Please confirm.	Yes	

480	BoQ - No. 5.01 & 5.02	As per referred item, Quantity of CVT & WT is mentioned 12 nos. & 8 nos. respectively.	<p>However, as per actual requirement, Only 2 nos. of 220kV lines are in present scope. Hence, CVT &amp; WT quantity shall be 6 nos. and 4 nos. Please check and revise the quantity of CVT &amp; WT for Bihpuria station.</p> <p>If remote end (Sonabil) CVT &amp; WT are in present scope, then please clarify the scope of remote end PLCC.</p>	<p>Quantity of CVT shall be 12 Nos and of Wave Traps shall be 8 Nos. Remote End PLCC commissioning will be under the bidder's scope.</p> <p><b>Addendum issued</b></p>	3, 4
481	BoQ - NO. 11 - Battery , Battery charger DCDB & ACDB		Please furnish the specification of LT switchgear as the same is not available in the tender documents.	For Battery and Battery Charger specifications, please refer to Chapter No 18 of Vol II of the bid. The specification of ACDB and DCDB will be finalised during detailed engineering.	
482	BoQ - NO. 11 - Battery & Battery charger	As per referred line item, we understand that battery capacity shall be as per referred item. If during detail engineering, battery capacity is increased as per actual requirement, then the same shall be suitably compensated by AEGCL.	Please confirm.	BoQ has been modified. Please follow the modified BoQ. No Cost shall be compensated by AEGCL for any modification during detailed engineering.	

483	BoQ - Supply_Sub_BHP / Supply_Sub_JKH - SI NO. 11.05 - 48V Float cum boost charger 150Ah	As per referred line item, 48V battery charger rating is mentioned in the AH.	However, Battery charger rating shall be in ampere (A). Please check and issue suitable amendments.	The 48 V Battery charger should be of rating of minimum 48V, 50A capacity. <b>Addendum issued</b>	
484	Vol.II, CHAPTER 4: PROJECT IMPLEMENTATION, Clause No. 4.12.1 General	As per referred clause, "Provide a list of recommended spare parts (optional spares) together with their individual prices, which will be considered for evaluation"	However, as per clause no. 4.12.3 Optional spares (shall not be considered for evaluation purpose). As above both the clauses are contradicting, please check and clarify whether optional spares shall be considered for evaluation or not ?  Please clarify that where optional spare item shall be quoted in the BPS?	Optional Spares shall be considered for evaluation. Provision for Price quoting shall be made available in the BoQ which will be uploaded after the pre bid meeting.	
485	Vol.II, CHAPTER 7: GENERAL TECHNICAL CLAUSES FOR DESIGN, Clause No. 7.15.4 Laying and installing of cables	As per referred clause , "Cable laying in the Switchyard area in concrete cable troughs (cable trench having cable racks with cable Trays)".	However, as per Type- C & Type-D cable trench drawing, cable trays are not shown. Only cable support angle in shown. Please check and clarify whether cable support with trays is required for outdoor switchyard cable trench or only cable support is sufficient without trays.	Cable support Trays is required.	



486	Vol.II, CHAPTER 7: GENERAL TECHNICAL CLAUSES FOR DESIGN, Clause No. 7.15.4.2. Laying of cable	As per referred clause , "The minimum vertical separation between layers of cable tray shall be not less than 300 mm.".	However, as per Type-C cable trench drawing, Only 200mm vertical separation is shown between layers. Please check and clarify the minimum vertical separation between layers. If trays are required then the same shall be 300mm. Please confirm the requirement.	Accepted	
487	Vol.II, CHAPTER 7: GENERAL TECHNICAL CLAUSES FOR DESIGN, Clause No. 7.17 -SUPPLY VOLTAGE		a) Please clarify whether auxiliary AC supply nominal voltage shall be 430V or 415V? b) Please clarify whether DC supply nominal voltage for PLCC is 50V or 48V?	AC Auxiliary Supply: 430V & PLCC DC is 48V.	
488	Vol.II, CHAPTER 7: GENERAL TECHNICAL CLAUSES FOR DESIGN, Clause No.7.21.1 General Conditions of Type Test	As per referred clause, "The Contractor shall submit Type Test Reports for all equipment excluding GIS being supplied by him (as per IEC standard) which, shall not be older than five (5) years, as on date of bid opening for AEGCL's approval."	In this regard, we request AEGCL to accept type test reports which are not older than 10 years as on date of bid opening. Please accept the same for all equipments supplied in this package.	Not acceptable. Should be as per bid.	

489	Vol.II, CHAPTER 7: GENERAL TECHNICAL CLAUSES FOR DESIGN, Clause No.7.21.2. Mandatory Type Test for GIS Equipments	As per referred clause, SI No. 18, Tests on solid dielectric components (operating rods, spacers, etc) is mentioned in the mandatory type test of GIS.	However, as per IEC 62271- 203, Tests on solid dielectric components (operating rods, spacers, etc) is not mandatory. Please check and update the type test requirement of GIS as per IEC 62271-203.	Should be as per bid.	
490	Vol.II, CHAPTER 9: TECHNICAL SPECIFICATION FOR 36KV VCB (INDOOR TYPE) - Clause No. 9.13.0 METERING SCHEME	As per referred clause, Each 33kV incomer & outgoing bay shall be provided with ammeter, voltmeter & MW meter.	In this regard, we are proposing one common multi function meter (MFM) for each incomer & outgoing bay. Please accept the same.  Also please confirm the accuracy class of metering core CT & the offered MFM.	The accuracy class of metering core CT of 33kV VCB Panel shall be 0.2 and the proposal for MFM is accepted. <b>Addendum issued</b>	9
491	Vol.II, CHAPTER 20: TECHNICAL SPECIFICATION FOR XLPE CABLE WITH TERMINATION		As there are contradictions in the 33kV cable construction in the requirements as specified in the clauses 20.4, 20.5 & 20.53 of specification, we understand the cable construction shall be as per clause 20.4. Otherwise, we request AEGCL to specify clearly the requirements of a) Insulation b) Insulation screen c) Metallic screen d) Inner sheath e) Armour	For 33kV Cable construction, please follow Clause 20.4.	

			f) Outer sheath g) Earth fault current & duration for Metallic screen		
492	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Clause No. 14.34.c		We understand that one common busbar protection relay shall be provided for both 220kV Main bus-1 & 2 with zone discrimination for each bus. Please confirm.	Separate busbar protection relay shall be provided for 220kV Main Bus Bar 1 and 2.	
493	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Clause No. 14.51		We understand that the Busbar differential protection can be combined in the Bus coupler relay panel, though there is a separate line item in the BPS. Please confirm.	Separate panels are required and Bus Differential Protection shall not be combined in the Bus Coupler Relay Panel.	
494	Fiber optic terminal equipment (FOTE)	There is no line item of Fiber optic terminal equipment (FOTE) in the BoQ.	Hence, we understand that FOTE is not required for the project. If yes, Please add a separate	FOTE is not required.	

			line item in BoQ and furnish the specification of FOTE.		
495	Vol II, Chapter 9, Cl. 9.4.6, Panel thickness of 33kV VCB	Referred clause indicates 2 mm CRCA thickness of 33kV VCB panel. We request AEGCL to accept Enclosure constructed with rolled steel sections / Aluzinc material / any other material as per type tested design having min. 2 mm thickness."	Please confirm acceptance	It will be finalised during detail engineering.	
496	Vol II, Chapter 9, Cl. 9.6.2, 33kV VCB, clearance between busbar	Referred clause indicates clearance between busbar as per IE rules.	We request AEGCL to accept clearance as per IE rules or as per type tested design between bus bars and earth. Please confirm.	Confirmed.	
497	Vol II, Chapter 10, Cl. 14, & Chapter 16, Cl. 16.4 Power frequency withstand voltage	For 230kV isolators, power frequency withstand voltage across isolating distance is indicated as 605kVrms. As per IEC 62271-1, the same shall be 530kVrms only.	Please check and issue suitable amendments.	Shall be as per Bid.	
498	Vol II, Chapter 13, CL. 13.13, Sl. No. 25, RIV of CVT	As per the referred clause, Radio interference voltage is indicated as 500 micro Volts.	We request AEGCL to accept 1000 microVolts as accepted by many state & Central utilities. Please confirm.	Not acceptable. Should be as per bid.	
499	Vol II, Chapter 15, Cl. 15.1, Seismic test, Vibration response test	As per IEC 60255-21, -22 & -24, class 2 in seismic test, vibration response test are pertaining to shipboard applications.	Hence, we request AEGCL to accept Class 1 for the above tests. Please confirm.	Not acceptable. Should be as per bid.	
500	Vol II, Chapter 16, Cl. 16.3.1.3, partition	In the referred clause, Factor of safety for partition is indicated as 4.5. As per IEC 62271-203 Cl. 6.105,	Hence we request AEGCL to amend the Factor of safety to 3.	Not acceptable. Should be as per bid.	

		pressure test on partition is carried out for 3 times the design pressure.			
501	Vol II, Chapter 16, Cl. 16.3.2.18, Site test	<p>The following site tests are indicated in the referred clause:</p> <p>a) Tests as per IEEE C37.122.1 clause 4.10.5</p> <p>b) Demonstration of operational compatibility with SCADA</p>	<p>Please note that Test as per IEEE C37.122.1 cl. 4.10.5 is VFTO for GIS. Site testing is not possible for VFTOs. Operational compatibility with SCADA may be possible only through Optical CTs which are not in the scope of this contract. Hence we request AEGCL to check and amend this clause suitably.</p>	<p>Regarding VFTO for GIS, it has been agreed that site testing may not be possible. However Operational compatibility of GIS Signals with SCADA has to be carried out at site.</p>	
502	Vol II, Chapter 17, Cl. 17.10.3.2, Thermosyphon filter system	<p>Referred clause indicates thermosyphon filter system for filtration.</p>	<p>As thermosyphon filter is an old technology, we request AEGCL to use any advanced methods such as online Oil drying system which is already in the scope of this package. Hence, the requirement of thermosyphon filter can be Deleted. Please confirm.</p>	<p>Both Thermosyphon filter and Online Oil drying system are required.</p>	

503	Vol II, Chapter 5, Cl. 5.10, Transformer track	Referred clause indicates " The Contractor shall provide a permanent transfer track system integrated with the auto transformer foundation to enable installation and the replacement of any failed unit with a spare unit. The transfer track system shall be suitable to permit the movement of any failed unit fully assembled (including OLTC, bushings) with integral radiators and oil, without the de-energization of any other equipment in the station. The system shall enable the removal of any failed unit from its foundation to a repair area and the installation of a spare unit. The system shall not interfere with the normal internal road and trench system. If trench or drain crossings are required, then suitable R.C.C culverts shall be provided in accordance with IRC Code and /or relevant IS.	Kindly clarify if it is a special arrangement to be followed. Request AEGCL to furnish reference drawing for better understanding.	Rail track for transformers shall be provided for this package as per BOQ. Transfer track system is not applicable for this tender.	26
504	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Clause No. 14.43 BAY CONTROL UNIT (BCU)	As per referred clause, "For 33kV one BCU shall take care of control for two feeders."	However, as BoQ - Supply_Sub_BHP / Supply_Sub_JKH - SI NO. 7.02, 9 Set of bay control unit for 33kV system is mentioned. Hence we understand that 1 set of BCU shall be considered for 1 no. of 33kV bay.  As above clauses are contradicting, Please check and update the relevant clause of tender documents.	1 set of BCU shall be considered for 1 no. of 33kV bay. Necessary Corrigendum will be issued.	7, 8

505	33kV single line diagram - Bihpuria / JAKHLABANDHA	As per referred 33kV SLD, Bus PT isolator is not shown.	<p>However, as per technical specification clause no. 14.43, it is mentioned that 33kV Bus PT Isolator shall be controlled by Transformer LV side BCU.</p> <p>In this regard, Please clarify whether 33kV Bus PT isolator is required?</p>	The Bus PT arrangement shall be Drawn out Rack type for connecting and disconnecting the PT. As such no Isolator shall be required.	
506	Vol.II, CHAPTER 15: SUBSTATION AUTOMATION SYSTEM, ANNEXURE-I: SAS Architecture	As per referred SAS architecture, 70" VDU (Visual display unit) is shown.	<p>However, as per BoQ, Sl No.7, the same is not mentioned. Please check and confirm whether 70" VDU is required.</p> <p>If yes, Please check and add a separate line tem for 70" VDU in the BoQ.</p>	BoQ modified.	26
507	<p>Vol.II, CHAPTER 15: SUB STATION AUTOMATION SYSTEM</p> <p>15.1 GENERAL, Page 252 of 782</p> <p>Clause No. 15.12. GATEWAY - Interface equipment</p>		<p>We are not envisaging any software &amp; hardware up gradation at SLDC. Our scope is limited to Gateway at Substation which shall be suitable for SLDC integration. Please confirm whether Bidder's understanding is in order.</p>	<p>No Software or Hardware upgradation will be required at SLDC end. Gateway Data Configuration should be done as per SLDC's specification. The data flow from Wide Band Locations, ie. Sonabil, Samaguri and Mariani to SLDC will be under AEGCL's scope. However any requirement of Modem or Switches at Sub Station for integration with PLCC which may arise due to distance between gateway and Communication</p>	

				Equipment will be under Bidder's scope. Any Hardware or Software changes or upgradation at the Gateway end required for continuous data transmission as per SLDC specification will be under Bidder's scope.	
508	Vol.II, CHAPTER 15: SUB STATION AUTOMATION SYSTEM, Clause No. 15.28. Major Component of SAS	As per referred clause, Inverter/UPS for 3 hour back up shall be provided for SAS.	However, as per BoQ, Sl No. 7.07, UPS for 4 hour back-up shall be provided. In this regard, We understand that UPS for 4 hour back-up duration shall be provided. Please confirm.	As per BOQ	
509	BoQ - NO. 25 - Mandatory spare	Mandatory spare shall be provided as per BoQ only. If any mandatory spares are mentioned in the technical specification apart from BoQ, the same shall not be considered in the bid.	Please confirm.	The Mandatory spare shall be provided as per BOQ as well as Technical Specifications. If any particular item is found missing in the BOQ, the same shall be quoted in the new line item provided in the modified BOQ.	



510	BoQ - NO. 11.04- 48V VRLA type battery bank		Please specify the backup duration of continuous DC load and Intermittent DC load for 48V battery sizing, as the same is not mentioned in the CHAPTER 19: Technical Specification For PLCC & 48V DC Battery And Charger	There may be a maximum load of 20Amps for all Communication Equipment running at 48V DC.	
511	Vol-II Technical Specification, Chapter : 5, Pg no: 77 of 782 & Vol-III, Price schedule(Erection) 5.9.h) & SI. No: 22.061, 22.063 to 22.066	In specification, finishing schedule for control room building is provided.	However, finishing schedule for other buildings (i.e: GIS Building, RE's Residence, Office's Hostel / Transit Camp, Staff Hostel and quarters and Store Building) not provided.  Please furnish the same, in order to estimate the finishing quantities.	Pl. refer to cl. No.5.9.f.	
512	Vol-II Technical Specification, Chapter : 5, Pg no: 508 of 782 & Price schedule(Supply) 6. A) & SI. No: 17	As per price schedule, lattice structures (Column & beam) are paid in number basis.  It is mentioned in the specification that, detail drawings for the structures shall be supplied to the successful bidder by the Employer/Engineer.	Please furnish the structure drawings, in order to assess the weight of the structure as the same is paid in number basis.	The type of Column and beam are specified in the BOQ. The respective weight shall be calculated by the bidder considering the type of column and beam. The structural drawing shall be prepared by the Bidder and the same shall be approved by AEGCL during detailed Engineering. However any shortage in quantity during commissioning shall be not be borne by AEGCL	

513	Vol-II Technical Specification, Chapter : 5, Pg no: 91 of 782 5.17	As per the referred clause, approach road is in the bidder scope.	We trust that, width of approach road is 6m and also the same shall be paid under Sl. No: 22.171 price schedule (Erection). Please confirm.	As per bid document.	
514	Vol-II Technical Specification, Chapter : 5, Pg no: 85 of 782 & Vol-III-Drawings-Cable trench C Type, Drg. No. AEGCL/AIIB/PACKAGE A/44 5.13.a)	It is mentioned in referred clause that, clear (vertical) space of at least 300 mm shall be available for each tier in cable trench and from trench bed to lowest tier, a minimum clearance 300 mm for trenches having more than one tier.	However in the cable trench drawing, 200mm space shown between the tier and 150mm shown from trench bed to the lowest tier.  Please clarify which to be followed.	Please refer as per drawing.	
515	Vol-II-Chapter-5, Pg no: 508 of 782 & Price schedule(Supply & Erection) 6.A) & Sl. No: 17.05 & 14.017 & 14.021 to 14.026	As per price schedule we understand that, equipment support structure shall be pipe type.  In supply schedule, pipe structure item is given in lump sum basis.	However in erection schedule, item for the same is given in lump sum basis as well in number basis. Please clarify.	The exact quantity cannot be ascertained at present. The successful bidder shall calculate the actual quantity and it shall be approved by AEGCL during detailed engineering. However any shortage in quantity during commissioning shall be not be borne by AEGCL.	

516	PACKAGE-A VOLUME -II 5.26 High Velocity Water : Scope 5.26.1- scope. a) Fire Detection System. Page no 102 of 782.		Kindly clarify the Type of FDA (whether conventional or Addressable type) system for the building to be considered.	Conventional type	
517	General		Please provide approved or preferred Make list of Fire protection, Detection & Alarm system.	The Bidder shall propose the Make list which will be approved by AEGCL during detailed engineering.	
518	Guaranteed Technical Particulars Annexure-A - GTP, 12. FIRE PROTECTION AND FIRE FIGHTING SYSTEM.SL NO: 2, A and B.	As per referred clause, mentioned a) Automatic HVW/MVW spray type Fire Protection System.  b).Automatic hydrant type Fire Protection System in that we had considered hydrant valve operated through manual only as per spec. not in automatic system. Please confirm our understanding is correct.	a) Automatic HVW/MVW spray type Fire Protection System, in that we had considered only HVWS system for Transformer/Reactor & MVWS system is consider since the cable cellar is not in present scope Please confirm our understanding is correct.  b).Automatic hydrant type Fire Protection System in that we had considered hydrant valve operated through manual only as per spec. not in automatic system. Please confirm our understanding is correct.	a) HVWS system shall only be considered. b) The HVWS system shall be an Automatic System.	
519	General : 400/220/132 KV GIS Room ground floor.	We had Considered pressurized ventilation for GIS hall with 4ACH and exhaust through Motorized	Please confirm.	Will be finalised during detail engineering.	

		pressure relief damper. Accordingly provide the detail spec.			
520	PACKAGE-A VOLUME -II SL,NO 8, Substation HVAC System, Page no 44 of 782 & PRICE SCHEDULE SLNO,18.01 & 18.02	<p>As per referred clause specification covers design, engineering, supply, delivery, erection, testing and commissioning of AC system for conference Room, Admin Room-1, Admin Room-2, Admin Room-3, Battery Room, Digital PLCC Room, SCADA &amp; CRP Room, Office Room-1 and Office Room-2.</p> <p>ventilation system for .400/220/132 KV GIS Room. 33kv switch gear, battery room &amp; Kitchen / Pantry, Lockers &amp; Toilet.</p> <p>As per input Drawing No; HDEC/AEGCL/MP/220-33KV/NAG - SS/ LIGHTING /09 which is shown civil &amp; electrical scope of work for other building But the same building mechanical scope such as fire protection &amp; firefighting system (hydrant ,FDA &amp; Extinguisher system is not said in specification &amp; price schedule for the following area</p> <ol style="list-style-type: none"> <li>1) Officer Hostel,</li> <li>2) Staff Hostel,</li> <li>3) Security Barrack,</li> <li>4) Guard room (Security Booth),</li> <li>5) RE, Residence,</li> <li>6) Store building,</li> <li>7) Recreation center.</li> </ol>	<p>Kindly clarify, If required HVAC for above building than include the line items in price schedule as well as detail specification. Please confirm.</p> <p>schedule. If required fire extinguisher system as per TAC- NFPA-NBC Norms than include the line items in price schedule. Kindly clarify.</p>	HVAC system Not required.	

521	General		Please share approved or preferred Make list of HVAC system.	The Bidder shall propose the Make list which will be approved by AEGCL during detailed engineering.	
522	Commercial schedules Station wise & Line wise price schedule	Station wise & Line wise price schedule provided in the tender.	Please confirm whether AEGCL will accept station wise & line wise taking over and all the payment & DLP will start Station wise & Line wise	Taking Over will be considered only after the completion of Both the Sub Station and the Associated Lines together.	
523	Volume 1 Section 2: Tender Data Sheet (TDS) ITT 11.2 (k) Point 7	As per the clause " Undertaking by the contractor to supply spare parts for a period of 10 years." has to be given.	Since mandatory spare parts are not mentioned in line schedules, We understand that undertaking for supply of spare parts is not applicable for line items.	Undertaking for availability of spare parts for a period of 10 years is required.	
524	Price Schedule		In revised price schedule uploaded by AEGCL, we found certain formula error. We request to correct the same upload the corrected price schedule.	Corrected	
525	Vol.II, CHAPTER 7: GENERAL TECHNICAL CLAUSES FOR DESIGN, Cl. No 7.27 EARTHING SYSTEM		As per referred clause, 75x10 mm GI flat mentioned for main earth mat. However, as per BoQ - Supply_Sub_BHP / Supply_Sub_JKH - Sl No. 16.011, 75x12 mm GI flat mentioned.  As there is a contradiction between BOQ and specification, we shall follow the requirements as shown in the BOQ. Please confirm.	As per BOQ. Addendum issued	17

526	Vol.II, CHAPTER 16: TECHNICAL SPECIFICATIONS FOR 400, 220 & 132KV GIS, Modular design		<p>As per referred clause, it is mentioned as <i>"Each, housing is subject to a pressure and gas tightness test and complies with the requirements of the relevant CENELEC standard"</i>.</p> <p>Kindly note, as material code is country based codes, for pressure vessel code, we follow KSD6008 with equipment EN code (ENAC-42100). Also we will conduct all the pressure test for enclosures per the Cl.6.103-IEC-203-2011. Kindly accept the same.</p>	Accepted	
527	Vol.II, CHAPTER 16: TECHNICAL SPECIFICATIONS FOR 400, 220 & 132KV GIS, Cl. No 16.4 GUARANTEED TECHNICAL PARTICULARS, Circuit breaker, Sr. No - 7 Disconnectors, Sr. No -5		<p>As per referred clause, lightning impulse withstand voltage and power frequency withstand voltage across isolating distance are indicated as 1220kVp &amp; 605kVrms. However As per IEC 62271-1, the same shall be 1200kVp &amp; 530kVrms only. We shall provide the GIS inline with IEC. request you to accept the same.</p>	Not accepted.	

528	Vol.II, CHAPTER 16: TECHNICAL SPECIFICATIONS FOR 400, 220 & 132KV GIS, Cl. No 16.3.1 General		As per referred clause, single phase encapsulation is mentioned for 245kV GIS. However we request you to accept the Single or three phase encapsulation for 220kV GIS. Further, we understand that, single/Three phase encapsulation shall be applicable for both bus bars & feeder bays. Kindly confirm.	Single phase encapsulated for bus bar and feeder bay for 245kV GIS. So as per BID.	
529	Vol.II, CHAPTER 16: TECHNICAL SPECIFICATIONS FOR 400, 220 & 132KV GIS, Gas		As per referred clause, it is mentioned as " <i>the modules of circuit-breakers, voltage transformers, cable connection module and surge arresters form separate gas compartments</i> ". However, compartmentalisation shall be as per the standard design of the manufacturer. Kindly accept.  If not, kindly furnish the gas SLD of proposed substations for better understanding	Accepted.	

530	Vol.II, CHAPTER 16: TECHNICAL SPECIFICATIONS FOR 400, 220 & 132KV GIS, Cl. No 16.3.2.3 MAINTENANCE EARTHING SWITCH (GROUNDING SWITCHES)		<p>As per referred clause, it is mentioned as " <i>The common point of the two bus bars along with earth switch shall be designed and housed in a separate compartment so as to avoid complete shutdown of the system in case of maintenance required in any disconnecter</i>".</p> <p>As per most of the GIS manufacture's design, <b>maintenance earth switches shall be part of Disconnector</b>. Further, common point will be in separate compartment but the earthing will be through maintenance earth switch in BB Disconnector as part of safety feature. Separate earth switch for common point is not applicable as per most of GIS manufacturers design. Hence kindly accept the same.</p>	Accepted	
531	Vol.II, CHAPTER 16: TECHNICAL SPECIFICATIONS FOR 400, 220 & 132KV GIS, Cl. No 16.3.1 General		<p>As per referred clause, it is mentioned as " <i>Bus Potential Transformer (PT) shall be provided with additional disconnecter and grounding switch shown in the Single Line diagram</i>."</p> <p>Kindly note, since GIS-VT of Electro Magnetic type, there is no need of additional grounding switch as the VT</p>	Bus PT bay should have a disconnector with earth switch so that the respective bus can be earthed. Earth switch should be towards the bus.	



			<p>primary winding will be itself earthed.</p> <p>Hence separate grounding switch is not required for the bus PT. Kindly check and confirm.</p>		
532	Vol.II, CHAPTER 16: TECHNICAL SPECIFICATIONS FOR 400, 220 & 132KV GIS, Cl. No 16.3.2.6 POTENTIAL TRANSFORMERS (PT): Bus PT - sr. no 1		<p>As per referred clause, it is mentioned as " <i>Adequate measures shall be provided to prevent any unacceptable impact on the secondary control and protection circuits which might result from very fast transients (VFT) or ferro-resonance..</i>"</p> <p>Kindly note, ferro-resonance is not applicable to electro magnetic type VT's. Hence the same clause is not applicable. Please confirm.</p>	<p>Ferro resonance is applicable for all types of VTs. Moreover, ferro resonance is more prone in VTs kept in a GIS environment. Therefore, ferro resonance protection is needed.</p>	
533	Vol.II, CHAPTER 16: TECHNICAL SPECIFICATIONS FOR 400, 220 & 132KV GIS, Cl. No 16.3.1.4 GAS SYSTEM		<p>As per referred clause, Maximum water content of SF6 -gas in GIS, within guarantee period for CB is mentioned as <math>\leq 150</math> PPM. As per manufacture standard design, same shall be <math>\leq 300</math> PPM. Kindly accept.</p>	<p>Not acceptable. Should be as per bid.</p>	

534	Vol.II, CHAPTER 16: TECHNICAL SPECIFICATIONS FOR 400, 220 & 132KV GIS, Cl. No 16.3.1.18 REPAIR		As per referred clause, it is mentioned as " <i>Any failure shall be immediately signalled by the systems inherent self-supervision with clear description of the nature and the location of this failure</i> ".  Kindly clarify the actual requirements, we are not envisaging any inherent self-supervision feature. Please confirm.	This feature is required as per bid document.	
535	Vol.II, CHAPTER 16: TECHNICAL SPECIFICATIONS FOR 400, 220 & 132KV GIS, Cl. No 16.3.2.16: ACCESSORIES:		As per referred clause, SF <sub>6</sub> gas service cart and SF <sub>6</sub> gas handling plant are mentioned. However, as there is no line Hence, kindly include the line items for the same in BPS.	Please follow the modified BoQ	
536	Vol.II, CHAPTER 16: TECHNICAL SPECIFICATIONS FOR 400, 220 & 132KV GIS, Cl. No 16.4 GUARANTEED TECHNICAL PARTICULARS, Circuit breaker, Sr. No - 23, 24		As per referred clause, recharging CO cycle is mentioned as CO-15sec-CO. and rated operating sequence is mentioned as <i>O-0.3s-CO-3 min-CO</i> . Hence, we understand the recharge of CO should be 15sec instead of 3min. Please confirm	1) The operating sequence (auto reclosing cycle) as mentioned should be as per the bid. However, the recharging cycle should be 15 sec. 2) 10000 operations should be permissible without maintenance and without lubrication	

537	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Cl. No 14.4 TYPE TEST REPORTS.		As per referred clause, we understand that type tests done in Accredited Labs outside India are also be acceptable. Please confirm.	Accepted only of the labs outside India are internationally accredited. Specific to Control & Relay panel.	
538	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Cl. No 14.4 TYPE TEST REPORTS.		We understand that ABT Meters are in scope of AEGCL.Kindly confirm.  If in bidders scope, please clarify the requirements (location, no of meters etc.) and specify the approved model & Make of ABT meter as per AEGCL practice.	Within the scope of the bidder. AEGCL doesn't have any approved Model &Make for ABT. However the ABT meter shall be a fully compliant tri-vector meter and the meter should be SAMAST compatible.	
539	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Cl. No 14.28.1 General - c)		As per referred clause, it is mentioned as <i>"Two sets of relevant software for relay configuration &amp; setting, maintenance etc to be supplied to each station."</i>  We understand that single set of relevant software for relay configuration & setting, maintenance is sufficient for each station. Kindly confirm.	The relay configuration and setting, maintenance etc. software should be supplied in two sets	

540	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Cl. No 14.28.2 General Specification of Numerical Relays, b) - ii)		<p>As per referred clause, it is mentioned as <i>"Relays shall have one no. front RJ45 or USB port (for RS 232 port Converter to USB shall be supplied for each substation along with spare) for Local Relay Parameterization and Two nos. rear FO port/ Rear RS485 for connectivity to SAS over IEC61850 protocol"</i></p> <p>As per manufacture standard design, we propose the following; i. Relays shall have one no. RS232/USB port at front side for local relay parameterization and dual RJ45 for connectivity to SAS. ii. Rear RS485 Port is not applicable for IEC61850 compatible relays. Kindly confirm.</p>	Apart from all other ports, two nos. rear FO port will be required for connectivity to SAS over IEC61850 protocol. The two FO ports is required for PRP architecture.	
541	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Cl. No 14.28.2 General Specification of Numerical Relays, b) - v)		We presume that Relays with minimum 8 configurable LEDs are also acceptable. Please confirm.	Not acceptable. Should be as per bid.	

542	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Cl. No 14.28.2 General Specification of Numerical Relays, a) - vi)		As per referred clause, we presume Integrated Numerical Transformer Differential Protection as Main –I & non- directional overcurrent and earth fault function as Main-II of <b>same make</b> are also acceptable. Please confirm.	Not acceptable. Should be as per bid. Both Main I & Main II shall have the same protection features and it should be of different make. And both will be in operation at the same time.	
543	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Cl. No 14.28.2 General Specification of Numerical Relays, b) - x)		As per referred clause, We propose that Numerical relays providing different protection features / application in a single unit, if any one of the application/feature goes out of service the other feature/application (s) <b>will remain un-effected unless both functions are not inter- related/co-related.</b> Kindly confirm.	Not acceptable. Should be as per bid. Both Main I & Main II shall have the same protection features and it should be of different make. And both will be in operation at the same time.	

544	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Cl. No 14.29 Distance Protection Relay, xxiv)		We propose $df/dt$ as built in of Back-up Protection Relay in Line Feeders. Kindly confirm.	Accepted.	
545	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Cl. No 14.33 Circuit Breaker Protection, b)		We understand that auto Reclose as built in part of either BCU or distance relays is also acceptable. Please confirm.  Further, we understand that 3- phase auto reclose facility is applicable for 132kV Line Feeders. Kindly confirm.	Yes	

546	<p>Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL &amp; RELAY PANEL, Cl. No 14.43 BAY CONTROL UNIT (BCU)</p> <p>Vol.II, CHAPTER 15: SUBSTATION AUTOMATION SYSTEM, Automation Standard</p> <p>Vol.II, CHAPTER 15: SUBSTATION AUTOMATION SYSTEM, Cl. No. 15.28. Major Component of SAS</p>		<p>We propose <b>redundant supply source with auto-changeover</b> outside the Relay/IED/Gateway IED / BCU. In case of power failure in one source, relay shall get supply from other source through auto change-over. Any of the supply failure shall generate necessary alarm to local SCADA. Kindly accept the same.</p>	Accepted.	
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547	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Cl. No 14.47 PROTECTION SCHEME FOR PANELS, 132 KV Line Panel - b), 33KV Feeder Protection Panel, Power and Auto Transformer/Reactor Protection Panel		<p>As per referred clause it is mentioned as "<i>The backup protection shall be provided with directional single/ multi pole relays as specified in Clause 14.31. One triple pole over current relays for phase faults and one Earth Fault Relay for Earth Faults without highest elements shall be provided.</i>"</p> <p>As the requirement is for numerical relay, we understand that both functions as built in feature of single numerical relay shall also be acceptable.</p> <p>Further, the protection configuration of relays as per referred clause is for electro-mechanical relays. Kindly confirm.</p>	Yes. Both Main I & Main II should have the same protection features and should be of different make.	
548	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Cl. No 14.48 RELAY MAINTENANCE TOOL KIT		As per referred clause, relay maintenance tool kit is mentioned. Kindly include the line item for the same in BPS.	The price shall be quoted along with CRP	



549	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Cl. No 14.51 TECHNICAL DATA SHEET FOR THE RELAY AND CONTROL PANELS		As per referred clause, we presume that fault recorder, distance to fault locator & Over Voltage Protection Scheme is acceptable as built in part of distance relay for 220kV feeders. Kindly confirm.	Accepted	
550	Vol.II, CHAPTER 14: TECHNICAL SPECIFICATION FOR CONTROL & RELAY PANEL, Cl. No 15.1 GENERAL		As per referred clause, all Type tests mentioned in the list are not applicable for every type of devices like IEDs, Gateways, HMI etc. For example IEC 60255 specifies common rules and requirements applicable to measuring relays & protection equipments and it is not applicable for other equipments being offered. Further, offered equipment will comply to required standards as applicable. Kindly confirm.	The type tests should be carried out as per the relevant standard meant for that particular equipment	

551	Vol.II, CHAPTER 15: SUBSTATION AUTOMATION SYSTEM, Automation Standard		<p>As per referred clause, it is mentioned as "SAS shall contain Metering server (Industrial Grade) and protocol converter".</p> <p>We understand that Meters shall be integrated at Metering Server only. Kindly confirm.</p>	Yes	
552	Vol.II, CHAPTER 15: SUBSTATION AUTOMATION SYSTEM, Automation Standard		<p>As per referred clause, it is mentioned as "<i>Gateway shall also have redundancy and redundant Gateway shall not be housed in a single cabinet. The Gateway shall also have sufficient future expandability and this shall excludes data for 3 (three) numbers future provision bays. The Gateways shall have redundant power cards.</i>"</p> <p>We will provide redundant gateways with redundant power supplies in a rack, which will fully comply to requirements of processor, power supply &amp; communication redundancy and failure of any one type of equipment will not lead to total failure. Kindly confirm.</p>	Accepted	

553	Vol.II, CHAPTER 15: SUBSTATION AUTOMATION SYSTEM, Cl. No.15.30. GUARANTEES REQUIRED		Kindy specify the scope of AMC in present scope of work. The same is not mentioned in BPS.	Will be decided during issuing of the LOA	
554	Vol.II, CHAPTER 15: SUBSTATION AUTOMATION SYSTEM, Cl. No.15.27. SPARES		We presume spares shall be supplied as per BPS. Please confirm.	Yes. But in case of any spare that need to be supply as per specification, the same shall be quote in the line item provided in the modified BOQ	
555					
556		General	<p>Due to the ongoing lockdown and travel restrictions in India on account of Covid 19, we are unable to visit site and carry out assessment of the site conditions. Our pre-bid queries are based on our review of the tender documents. Please note that on lifting on the travel restrictions, we will conduct site visits.</p> <p>We request for acceptance of additional queries post site visit and corresponding reply/confirmations by AEGCL.</p> <p>Please confirm our request.</p>	No Additional Queries will be accepted since Lockdown has been relaxed.	

557		General	Taking into account the current situation and anticipating future impediments/ restrictions, we request for submission of original hard copies of required tender documents (Bank Guarantee, Cost of Tender etc.) within 7 days of uploading of the bid. We request for your confirmation in this regard.	Will be intimated in due course of time after necessary approval from appropriate authority.	
558		General	Taking into account the current situation and anticipating future impediments/ restrictions, we request for consideration of delayed submission of notarized documents. We request to accept uploading of the same with available signed documents.	Will be intimated in due course of time after necessary approval from appropriate authority.	
559		General	We request you to please provide us the approved Make/ Vendor List to be followed for the Contract.	The Bidder shall propose the Make list which will be approved by AEGCL during detailed engineering.	
560	220-33kV GIS PLOT PLAN BIHPURIA/220KV GIS BUILDING LAYOUT PLAN-Model	Dwg nos – NAC/AEGCL/BIHPURIA/SLD-003/REV 03 & NAC/AEGCL/BIHPURIA/220GIS/GA-005/REV 03	We understand that the size of the 220kV GIS building and 33kV switchgear building, as shown in tender layout and plot plan is firm. Any increase in building sizes from tender stage will be paid extra by AEGCL as per the actual building size.	Any variation in the building design will be finalised during detailed engineering but no additional cost will be borne by AEGCL.	

			Please confirm our understanding.		
561	-PKGAVOLII Page no 7 of 782 -Sl .no 11/Price schedule	TECHNICAL SPECIFICATION FOR 250 KVA, 500KVA & 1 MVA, 33/0.433KV STATION TRANSFORMER (ENERGY EFFICIENCY LEVEL 2)	As per specification, station transformer shall be “ energy efficiency level_2” . However as per price schedule, the transformer shall be of energy efficiency level -III . We request AEGCL to confirm final requirement.	Please follow the updated BoQ. Addendum issued.	12
562	33kV SWITCHGEAR & CONTROL ROOM BUILDING FLOOR PLANS, SECTION & ELEVATIONS	NAC/AEGCL/BIHPURIA/33SCR/A RCH -007/REV.01	In 33kV building drawing, 33kV CRP panels are not shown. Please confirm location of 33kV CRP panels.	It shall be housed in the 33kV Building and will be finalised during detail engineering.	
563	-220kV SINGLE LINE DIAGRAM - JAKHLABANDHA- Model -Price schedule Supply_Sub_JKH -GIS specification Chapter 16	Dwg no -NAC/ AEGCL/ JAKHLABANDHA/ SLD-003/ REV 03 & Price schedule item 8	We understand that in case of any conflict in supply price schedule, 220kV GIS single line diagram and GIS specification with respect to “equipment type, equipment’s parameters and ratings”, the bidder shall follow supply price schedule. Please confirm our understanding.	Bidder must follow the updated price schedule	

564	-220-33kV GIS PLOT PLAN JAKHLABANDHA - 220KV GIS BUILDING LAYOUT PLAN-Model	NAC/AEGCL/ JAKHLABANDHA /PLOT PALN 002/REV 03 & NAC/AEGCL/ JAKHLABANDHA /220GIS/GA-005/REV 03	We understand that 220kV GIS building and 33kV switchgear building sizes as shown in tender layout and plot plan is firm, any increase in building sizes from tender stage shall be paid extra as per actual building size. Please confirm our understanding.	Any variation in the building design will be finalised during detailed engineering but no additional cost will be borne by AEGCL.	
565	33kV SWITCHGEAR & CONTROL ROOM BUILDING FLOOR PLANS, SECTION & ELEVATIONS	NAC/AEGCL/ JAKHLABANDHA / 33SCR/ ARCH -007/ REV.01	In 33kV building drawing 33kV CRP panels are not shown. Please confirm location of 33kV CRP panels.	It shall be housed in the 33kV Building and will be finalised during detail engineering.	
566	Price schedule Supply_Sub_JKH	Item 22.011	For illumination of officer's hostel, staff hostel and other residential building, we understand that feeder shall be through substation MLDB. We also understand that no separate lighting distribution panels shall be provided for these buildings. Please confirm our understanding.	Yes	
567	Supply Price Schedule	Supply Price Schedule: Supply_ S. No. 18.01 2 TON CAPACITY SPLIT AIR CONDITIONING UNITS for Control Room Building	We understand that 2 TR split AC has to be considered only for 220 KV CRP room and battery room in Control room building. Please confirm our understanding.	Yes. But should also include each room in control room buildings with standby facilities.	

568	Supply Price Schedule	Price Schedule: Supply S. No. 18.02 Ventilation system for 245kV GIS Building	We have considered 4 ACPH for ventilation system of GIS hall. Please confirm our understanding.	Accepted	
569	Supply Price Schedule	Price Schedule: Supply S. No. 18.02 Ventilation system for 245kV GIS Building	We understand that any exhaust fan for cable trench / basement of 220 KV GIS is not required. Please confirm our understanding.	Accepted	
570	Supply Price Schedule	Price Schedule: Supply S. No. 18.02 Ventilation system for 245kV GIS Building	We understand that ventilation system for Store building is excluded from the bidder's scope of work. Please confirm our understanding.	Shall be under the scope of Bidder	
571	Supply Price Schedule	Price Schedule: Supply S. No. 18.02 Ventilation system for 245kV GIS Building	We understand that any ventilation system for 33 KV switchgear room is excluded from the bidder's scope of work as there is no line item associated with it in the price schedule. Please confirm our understanding.	Shall be under the scope of Bidder	
572	Supply Price Schedule	Price Schedule: Supply S. No. 19.01 Fire Alarm & Detection system for 245kV GIS Buildings, Control Room building including Fire Alarm panel, Multi Sensor detector, manual Call point, Hooter, Response Indicators, Beam Detector, Cabling and ISOLATING MODULE	We understand that Conventional type Fire Detection and Alarm system has been envisaged. Please confirm our understanding.	Conventional type	
573		General	We understand that in case of any discrepancy between Price Schedule and Technical	AS per bid	

			Specification with respect to scope, the Price Schedule shall prevail. Please confirm our understanding.		
574		BPS (Bid price schedule) and Specification requirement	Bidder understand that in case of discrepancy between technical specification & BOQ, BOQ (Bid Price schedule) shall prevail & considered as final scope. Please confirm our understanding.	BoQ has been prepared on the basis of the bid document and both Boq and Bid document will prevail.	
575	Chapter 14, clause 14.5 of Technical Specification for Control & Relay Panel	Bidder can offer either simplex or duplex panels.	We request that all panels shall be simplex swing type so that there is uniformity among all bidders in their offering. Please confirm our request.	This will be as per BoQ	
576	Clause 14.14 of Technical Specification for Control & Relay Panel	RECORDING METERS (ABT TRIVECTOR METERS): CL. 14.14.2 : The ABT compliant trivector meters shall be microprocessor based.	Please share the approved/preferred make/vendor list.	The bidder shall offer make and model of reputed manufacturer of tri-vector meter and the same will be finalised by AEGCL during detailed engineering.	
577	Cl. 14.18.2 of Technical Specification for Control & Relay Panel	The meter shall have a communication port for transferring the data online to the local HMI (part of SAS). The metering system port/ports should also support on-demand local /remote data acquisition of load survey and parameters from the ABT meters.	We understand that ABT meters shall have serial port to transfer metering data as generally ABT meters are not IEC 61850 compliant. Please confirm our understanding.	AEGCL's requirement is IEC 61850 compliant ABT meters <b>Addendum issued.</b>	9



578	Cl. 14.27.1: of Technical Specification for Control & Relay Panel	The online monitoring software of sub-station automation system (SAS) shall acquire the real time data of the ABT meters.	We understand that real time calculations of ABT parameters are not possible in SAS controller. Hence bidder is required to consider any third party metering software/server to perform calculations and for further interfacing with SAS. Please confirm our understanding.	Accepted <b>Addendum issued</b>	
579	Cl. 14.18.3 of Technical Specification for Control & Relay Panel	The meter shall be capable of data transmission to Gateway as well.	We understand that the bidder is required to consider any third party metering software/server to perform calculations and for further interfacing with SAS gateway. Please confirm our understanding.	Accepted	
580	Cl. 14.27.2: of Technical Specification for Control & Relay Panel	In the SAS, provision will be made to read all ABT meter data of a sub-station in a separate window on demand. These ABT meter data should be stored in HMIs with separate identity without mixing metering data received from other IEDs, such as BCU, BPU.	We understand that real time calculations of ABT parameters are not possible in SAS controller. Hence bidder is required to consider any third party metering software/server system with PC to perform calculations & further interfacing with SAS. Please confirm our understanding.	Accepted	
581	Cl. 14.27.3: of Technical Specification for Control & Relay Panel	ABT meter offline communication software (for CMRI and Laptop interface) shall be compatible with latest Windows operating system.	We understand that CMRI & base metering software are excluded from bidder scope in line with TS. Please confirm our understanding.	CMRI & base metering software will be under bidder scope	

582	Cl. 14.28.2. (b) xiv of Technical Specification for Control & Relay Panel	The major IED component cards shall be hot swappable and front or rear loading	We understand that numeric IEDs shall have plug-in type modular cards which can be switched replaced in case of failure, in lieu of changing the complete relay. Please confirm our understanding.	Yes	
583	clause 14.28.2 SI No. a) I), of Technical Specification for Control & Relay Panel	Distance protection Main I & Main II for 400KV & 220KV Lines shall be of different make.	Please confirm whether bidder can offer Main I & Main II distance protection of same make but of different hardware platform/different algorithm/operating principle. Please note that this philosophy is acceptable to utilities like PGCIL, NTPC, HPPTCL, T etc. Please confirm our understanding.	Not accepted.	
584	clause 14.28.2 SI No. a) I), of Technical Specification for Control & Relay Panel	Distance protection Main I & Main II for 400KV & 220KV Lines shall be of different make.	We understand that line differential protection are not envisaged for very short lines as well. In addition to that OPGW link is also not available for present bays lines between substations. Please confirm our understanding.	Line differential protection is not in the scope of this Package. OPGW link between substations has already been considered in other packages and the scope of Supply and Erection of OPGW link for the LILO portion will be under the Bidder's Scope.	
585	clause 14.28.2, SI No. a) vi), of Technical Specification for Control & Relay Panel	Integrated Numerical Transformer differential protection Main I & Main II for 400KV & 220KV Lines shall be of different make.	Please confirm whether bidder can offer Main I & Main II transformer differential protection of same make but on different hardware platform/different	Not Accepted.	

			algorithm/operating principle. Please note that this philosophy to utilities like PGCIL, NTPC, HPPTCL, etc. Please confirm our understanding.		
586	4.Clause 14.28.2, SI No. b) ii), of Technical Specification for Control & Relay Panel	General	Please confirm bidder has to consider all IED's on IEC61850 Parallel redundancy protocol (PRP).	Yes	
587	clause 14.34 of Technical Specification for Control & Relay Panel	220kV Bus Bar protection	As per specification clause, busbar protection is required however as per SLD busbar protection is not shown. Please confirm our understanding.	Busbar protection is required as per specification mentioned in Volume II of the bid.	
588	clause 14.34 (f) of Technical Specification for Control & Relay Panel	220kV Bus Bar protection	We understand that the busbar protection solution (if required) shall be considered for main bays and 3 nos future bays only. Please confirm our understanding.	Busbar protection solution shall be considered for main bays and all the future bays.	
589	Clause 14.35 of Technical Specification for Control & Relay Panel	TEE differential protection	We understand that TEE differential protection is not applicable in this project in line with tender SLD. Please confirm our understanding.	Yes	
590	Clause 14.43 of Technical Specification for Control & Relay Panel	The BCU shall have back up directional & non-directional back-up protection features in addition to Auto Reclose, LBB, U/O voltage and Synchronization function.	For 220kV system, dedicated BCU shall be offered per bay by bidder for bay monitoring & control. However back up features are not envisaged in	For both 220kV and 33kV system, Backup Protection requirements shall be met by other Protection relays. It	

			BCU. Other protection relays of the same bay shall cater to the Backup protection requirements. For 33kV integrated BCPU shall be offered by bidder. Please confirm our understanding.	shall not be Integrated with the BCU. BCU and Backup Protection relays shall be separate IEDs.	
591	Clause 14.43 of Technical Specification for Control & Relay Panel	The measured values of SF6 Gas Pressures, Operating Mechanism Pressures, WTIs, OTI etc. are received through transducers to Bay Level Unit.	We understand that the SF6 Gas density switch shall be modbus RS-485 compatible. The same shall be hooked with SAS in place of transducer signals. Please confirm our understanding.	The bidder may choose any communication protocol/device for communicating the required signals to SAS. The protocol/device used should be compatible for smooth running of the system. Further details maybe finalised during detail engineering.	
592		General	Please share the approved/preferred make/vendor list	AEGCL does not have any preferred/approved vendor list. The bidder shall offer reputed vendor/manufacturer for obtaining approval from AEGCL.	
593	clause 14.47 of Technical Specification for Control & Relay Panel	220KV bus coupler	As per specification, one number O/C & E/F relay is to be considered. But as per SLD, Main I, Main II distance protection relay(21) is shown. Please confirm our understanding.	O/C & E/F relay is to be considered for 220kV Bus coupler Bay. For the feeder bays, Main I and Main II distance Relay shall be considered.	

594	Clause 14.48 of Technical Specification for Control & Relay Panel	General	Please confirm supply of new numerical relay test kit is not scope of bidder.	Yes	
595	DRAWING NO. AEGCL/AIIB/PACKAGE &13A/22	33kV Single line diagram	For 33kV integrated BCPU for each feeder shall be offered by bidder. Kindly confirm.	Not accepted.	
596		General	On Line condition monitoring system for each Power Transformer is not envisaged in the scope of works. Please confirm our understanding.	Not accepted. It is in the Bidder's scope.	
597	Chapter 15 - SUBSTATION AUTOMATION SYSTEM Page 252 of 782	Metering server (Industrial Grade) and protocol converter	We understand that metering server shall be any third party server which will be integrated with SAS. Kindly confirm the requirement.	Yes	
598	Chapter 15 - SUBSTATION AUTOMATION SYSTEM Page 252 of 782	All IEDs shall have redundant power card	Bidder shall offer DC changeover scheme for IEDs where supply shall be ensured in case of either source failure. BCU shall have dual power supply cards. As per our understanding, protection IEDs shall be grouped, hence two DC source shall not be connected to the same IED. Please confirm our understanding.	There shall be two different DC sources and arrangement shall be made to changeover between these two sources in case of failure of either source.	

590	Chapter 15 - SUBSTATION AUTOMATION SYSTEM Page 252 of 782	It shall be the bidder's responsibility to integrate his offered system with existing SLDC system for exchange of desired data.	Bidder shall provide complete substation data up to local gateways & also provide necessary support for SLDC integration. However, any modification at SLDC end is not envisaged. Please confirm our understanding.	No Software or Hardware upgradation will be required at SLDC end. Gateway Data Configuration should be done as per SLDC's specification. The data flow from Wide Band Locations, ie. Sonabil, Samaguri and Mariani to SLDC will be under AEGCL's scope. However any requirement of Modem or Switches at Sub Station for integration with PLCC which may arise due to distance between gateway and Communication Equipment will be under Bidder's scope. Any Hardware or Software changes or upgradation at the Gateway end required for continuous data transmission as per SLDC specification will be under Bidder's scope.	
591	Chapter 15 - SUBSTATION AUTOMATION SYSTEM Page 252 of 782	It shall be the bidder's responsibility to integrate his offered system with existing SLDC system for exchange of desired data.	Kindly furnish the make & details of existing SLDC system.	Make and Model: Alstom e-Terra	

592	Chapter 15 - SUBSTATION AUTOMATION SYSTEM Page 252 of 782	Gateway shall also have redundancy and redundant Gateway shall not be housed in a single cabinet.	We understand that redundant gateways shall be offered as per scheme. Please confirm our understanding.	Yes	
593	Chapter 15 - SUBSTATION AUTOMATION SYSTEM Page 252 of 782	Redundant Local HMI & DR Work Station	Redundant HMI shall be offered. However please note that DR work station & printer shall be standalone. Please confirm the same.	Yes	
594	Chapter 15 - SUBSTATION AUTOMATION SYSTEM Page 252 of 782	Clause 15.4- Functional requirements of SAS	We understand that SAS solution shall include provision for future bays only. However no hardware to be considered in present scope for future bays. Please confirm our understanding.	Accepted	
595	Chapter 15 - SUBSTATION AUTOMATION SYSTEM Page 264 of 783	One BCU shall be put in Station level for monitoring Station Auxiliary Supply (AC & DC), Battery Chargers, Nitrogen Fire Fighting System, Fire alarm etc.	We understand that auxiliary systems shall be integrated on serial protocols with SAS. No hard wired signals are envisaged for signal monitoring. Please confirm our understanding.	Serial Protocol will not be accepted and signal should be hard wired.	
596	General	SCADA system interfacing with Employer's SCADA system at RCC	We understand that no integration is envisaged with remote end substation SAS. Only SLDC data transfer is required. Please confirm our understanding.	Yes	
597	General	PLCC panels shifting in case of LILO of lines, if applicable.	i) Bidder understand that in case of line circuits where LILO is envisaged, other end	Yes.	

			PLCC panels are already existing. Please confirm our understanding.		
598			ii) Due to LILO remote end panels to be shifted to present scope S/s to match the pair. Other pair of PLCC panels shall be newly supplied for other circuit by bidder in line with price schedule. Please confirm our understanding.	The supplied Panels for LILO sub station should be commissioned for establishing PLCC link with its Remote End by shifting a pair of the supplied panels to its respective remote ends. <b>Addendum issued</b>	3, 4
599			iii) Kindly provide the make of existing PLCC at existing remote ends.	There is existing PLCC connectivity between Mariani and Samaguri. The Make is Siemens and model is Power link 50/100.	
600	CHAPTER 16: TECHNICAL SPECIFICATION FOR GIS Pg. 311 of 782	Internal Surface Painting RAL 7038, External Surface RAL 9010	We request that the internal Surface shall be unpainted as per manufacturer design. Please confirm our request.	The manufacturer may adopt their own painting procedure but the same has to confirm with the specification mentioned in the bid	
601	CHAPTER 16: TECHNICAL SPECIFICATION FOR GIS Pg. 312 of 782	The modules of circuit breaker, Voltage transformer Form separate gas compartments	We request that the gas compartmentalization shall be as per the design of the manufacturer. Please confirm our request.	Not accepted	
602	CHAPTER 16: TECHNICAL SPECIFICATION FOR GIS 16.3.1.22 Pg. 318 /319 of 782	Special tools for erection, SF6 Gas handling, drying, processing, storage & Filling Unit Online Partial discharge monitoring system SF6 gas quality testing unit SF6 Gas leak detector Precision pressure gauge SF6 gas evacuation cart (one mobile	We understand bidder shall quote for all mandatory spare/tools/accessories as per the supply price schedule item 25 and 26,. Apart from that we have not envisaged any other spare,	Bidder shall quote for Item number 9 of price schedule. For any optional spare parts to be supplied by the bidder for implementation of the	



		and one static unit) video BoroscopeGas MASK.	tools accessories in bidder scope. Please confirm our understanding.	whole project, the same has to be quoted in the modified price schedule to be uploaded after pre- bid meeting	
603	- CHAPTER 16: TECHNICAL SPECIFICATION FOR GIS 16.3.1.22 Pg. 318 /319 of 782 - Supply Price Schedule Item no 9	Special tools for erection, SF6 Gas handling, drying, processing, storage & Filling Unit Online Partial discharge monitoring system SF6 gas quality testing unit SF6 Gas leak detector Precision pressure gauge SF6 gas evacuation cart (one mobile and one static unit) video BoroscopeGas MASK.	We request you to please specify the makes and model nos (at least 2 each) of the following to maintain parity between the bidders: - SF6 Gas Processing, Drying, Storage & Filling Unit - Online Partial Discharge Monitoring Unit - SF6 gas quality testing unit - SF6 Gas Leak Detector - Precision Pressure Gauge - SF6 Gas Evacuation Plant (One mobile cart and one static cart) - Video Borescope - SF6 gas Mask	The bidder shall offer make and model of reputed manufacturer and the same will be finalised by AEGCL during detailed engineering.	
604	CHAPTER 16: TECHNICAL SPECIFICATION FOR GIS 16.3.2.3 (1) Pg. 322 of 782	Maintenance Earthing Switches. The common point of two Bus bars along with Earth Switch shall be designed and housed in a separate compartment.	As per the GIS design, the maintenance earth switches shall be part of Disconnecter. The common point will be in separate compartment, but the earthing will be through maintenance earth switch in BB Disconnecter as part of safety feature. Separate earth switch for common point is not applicable. Please confirm your acceptance.	Accepted	

605	CHAPTER 16: TECHNICAL SPECIFICATION FOR GIS 16.3.2.5 Pg. 324 of 782	There Must be possibility of provision of CT on either side of CB	As per SLD CT shall be provided on only on one side of the breaker. Please confirm your acceptance.	Should be as per bid.	
606	16.3.2.6 (5), 16.3.2.14 Pg. 325, 329 of 782	Potential transformer secondary shall be protected by fuses	We request that the Potential transformer secondary shall be protected by MCB. Please confirm your acceptance.	Will be decided during detailed engineering	
607	CHAPTER 16: TECHNICAL SPECIFICATION FOR GIS 16.3.2.18 Pg. 332 of 782	Power Frequency Test: On site testing of GIS - Test voltage shall be 80% of factory test voltage	We request for power frequency test at site shall be as per IEC. Please confirm your acceptance.	Not accepted. Should be as per bid.	
608	CHAPTER 16: TECHNICAL SPECIFICATION FOR GIS Pg. 344 of 782	Gas Loss - 0.1 % per annum Rated Normal current at site - 3150 Amps	The gas leakage as stated in clause 3.19 of this specification is 0.5% per year which is also in line with IEC. Please confirm your acceptance.	As per bid	
609	SLD	As per SLD Current ratings for All equipment's and Bus Bar is mentioned as 4000 Amps	As per clause 16.4 in GTP Equipment's are rated for 3150 Amps. Whereas in the SLD Current ratings for All equipment's and Bus Bar is mentioned as 4000 Amps. Please confirm the current ratings for Equipment and Bus bar and Design ambient temperature to be considered.	Current rating will be 3150 Amps	
610	SLD	Space for future bays	Please confirm whether space for future bays in GIS room to be considered as per SLD.	Should be as per plan layout	

611	SLD	Space for future bays	Please confirm the minimum clearance, if any, to be considered around the GIS.	Will be decided during detailed engineering	
612	Supply BOQ item 8.03	Four (4) numbers 3-phase, single pole group operated safety grounding switches, complete with manual Three (3) numbers 1-phase Potential Transformers, Gas monitoring devices, barriers, pressure switches	We request that Grounding switches shall be part of disconnecter. Please confirm your acceptance.	Not accepted. Should be as per BoQ	
613	Supply BOQ item 25.021	Complete Spring operating mechanism	As separate drive mechanisms are mentioned in spares for Circuit breaker, disconnecter and Earth switches, we request AEGCL to delete this item as part of spares. Please confirm our request.	BoQ will be modified accordingly	26
614	Supply BOQ item 25.022 - 25.055	Closing dashpot, opening dash pot, opening catch gear, closing dash gear	The items mentioned herein are not applicable for GIS. We understand that only the items which are applicable for GIS shall be quoted. Please confirm our understanding.	They are applicable for any type of circuit breaker operating mechanisms, Therefore, it should be as per BoQ.	
615		General	We understand that encumbrance free and accessible land with approach road will be handed over to the successful bidder at the time of placing of order. Please confirm our understanding.	The plot of land is already under the possession of AEGCL and will be immediately handover after contract award. Any permission for clearance like jungle cutting etc shall be carried out by the contractor. Approach road is under the scope of Bidder	

616	Soil Investigation report	Site Name ;,	<p>As per given soil investigation report, Safe bearing capacity for open foundation is provided at 2Mtr. depth only and for pile foundation vertical load have been provided for 13.5Mtr. depth only.</p> <p>Hence we request you to kindly provide the following.</p> <ol style="list-style-type: none"> <li>1. Safe bearing capacity (SBC) of lower and higher depth for lightly and heavily loaded structure respectively.</li> <li>2. Lateral load Capacity and uplift capacity of pile.</li> <li>3. Capacity of pile upto depth of 20Mtr.</li> </ol>	<p>Shall be as per soil investigation report. Please note that the successful bidder must perform soil tests and other necessary tests for civil and electrical works and for that no cost implications will be borne by AEGCL. Also note that, the soil tests reports submitted with the bidding documents are for indicative purpose only.</p>	
617	Soil Investigation report	Site Name :	<p>As per given soil investigation report, Safe bearing capacity for open foundation is provided at 2Mtr. depth only and for pile foundation vertical load have been provided for 13.5Mtr. depth only.</p> <p>Hence we request you to kindly provide the following</p> <ol style="list-style-type: none"> <li>1. Safe bearing capacity (SBC) of lower and higher depth for lightly and heavily loaded structure respectively.</li> <li>2. Lateral load Capacity and uplift capacity of pile.</li> <li>3. Capacity of pile upto depth of 20Mtr.</li> </ol>	<p>Shall be as per soil investigation report. Please note that the successful bidder must perform soil tests and other necessary tests for civil and electrical works and for that no cost implications will be borne by AEGCL. Also note that, the soil tests reports submitted with the bidding documents are for indicative purpose only.</p>	

618	Soil Investigation Report		As per the soil test reports for both sites, shallow foundations are recommended. We understand that as per the recommendations, pile foundations are not envisaged. Please confirm our understanding.	Shall be as per soil investigation report. Please note that the successful bidder must perform soil tests and other necessary tests for civil and electrical works and for that no cost implications will be borne by AEGCL. Also note that, the soil tests reports submitted with the bidding documents are for indicative purpose only.	
619	-Erection Price Schedule	" Soil Investigation"	Kindly clarify that soil investigation report provide by AEGCL during tendering will be applicable for civil designing or soil investigation conducted at the time of execution will be considered for design.	Please note that the successful bidder must perform soil tests and other necessary tests for civil and electrical works and for that no cost implications will be borne by AEGCL. Also note that, the soil tests reports submitted with the bidding documents are for indicative purpose only.	
620		General	Kindly specify substation wise RL ( Reduce Level) of proposed Finish ground level (FGL).	Please follow Contour plan, Master plan and individual building drawing.	

621	Civil Specification	<p>PKG A Vol-II specification clause 5.10 &amp; 5.11 page 83&amp;84/782</p> <p>Rail Track</p> <p>"The Contractor shall provide a permanent transfer track system integrated with the auto transformer foundation"</p>	<p>As per technical specification Rail track to be provided for each transformer but in price schedule there is no such item. We understand that RCC rail cum road for each transformers is not required. Please confirm our understanding.</p>	It is required. Please follow the updated BOQ.	26
622	Civil Specification	<p>PKG A Vol-II specification clause 5.2 page 100/782</p> <p>Water supply</p> <p>"The Contractor shall be overall responsible for supply of water within switch yard for firefighting, drinking purposes, construction purpose and other miscellaneous purposes. The scope is also inclusive of installation of deep tube well, construction of slow sand filter and ground storage tank, supply and installation of distribution network pipe lines, supply and erection of all overhead tanks, staging for OH tank wherever necessary,....."</p>	<p>There is no such items for above said works in price schedule, so we understand that except building internal piping arrangement other above said work related water supply not in bidder scope. Please confirm our understanding.</p>	Complete Job of water supply system shall be under the scope of Bidder.	
623		General	<p>We understand that proposed layout is indicative, and the final layout of yard and buildings will be done as per actual requirement at the time of detail engineering. Please confirm our understanding.</p>	Yes	

624		General	We understand that minimum size of GIS building should be considered as per tender drawing and if it will increase by size due to the requirement of AEGCL specifications then extra portion will be paid prorate basis. Please confirm our understanding.	As per bid document.	
625	PKGBVOLII	Clause 16.3.1, Pg 313 of 782 General The GIS shall be made of tubular Aluminium alloy and filled with SF6 gas for installation. Enclosures shall be of single phase for 400kV & 245kV and 3-phase encapsulation for 145kV for both the bus-bars and feeder section bays.	We understand that for 245 KV GIS only single phase encapsulated design both for Bus Bar & Circuit Breaker shall be acceptable as this ensures minimum downtime & SF6 Gas handling at site during any O&M activity. Accordingly 245 KV GIS with three Phase encapsulation for busbar shall not be acceptable. Please confirm our understanding.	As per bid	
626			Furthermore, we would request you to extend pe-bid meeting and bid submission date by one month under present precarious status in the country due to COVID-19 impact		

627	BOQ_26523 A BOQ_26482 B (BOQ SI No 8 :8.03 & 8.04 & Drawing No : 1) NAC/AEGCL/ BIHPURIA/SLD/003 , 2) NAC/AEGCL/ JAKHALABANDHA/S LD/003 3) NAC/AEGCL/ CHHAYGAON/SLD- 003 (220kV GIS STC withstand rating)	In BOQ, 50kA for 3 sec is mentioned. In SLD, 50kA for 1 sec is mentioned	There is discrepancy in the SLD & BOQ rating Kindly clarify the same.	It will be 50kA for 3 sec	
628	BOQ_26523 A BOQ_26482 B BOQ SL No :8.04 B U S V T L C C	LCC is required for Bus VT	We would like to inform you as per our standard practice the separate LCC for Bus VT is not required as we wire all the connection of Bus VT with Bus coupler LCC and the same is accepted to various state and central utilities. Kindly accept and confirm the same.	Accepted	
629	BOQ_26523 A BOQ_26482 B BOQ SI No-25.0122 220kV GIS Line & Trafo bays Earthing Switch	As per BOQ 1 Only one No. of earthing switch set is mentioned.	We would like to inform you that, two number of earthing switches are required; one between the Bus side disconnecter & circuit breaker and other one between Circuit breaker and line side disconnecter. Kindly confirm the same.	The bidders are requested to provide the disconnectors and earth switches as per their standard type tested GIS design. For any variation from the quantities mentioned in the BoQ, the price for the same shall be quoted	



				in that line item considering their standard design.	
630	BOQ_26523 A BOQ_26482 B SI No:8.07 EOT Crane	7.5 TON EOT crane for 245 GIS building .	The EOT crane is not in GIS supply scope, it is in EPC scope. Kindly confirm the same.	Since this an EPC contract so, everything will be under bidder's scope	
631	TS- 2.6.12 Page No 36 of 782 3) NAC/AEGCL/CHHAYEGAON/SLD-003 Space for future Scope	In technical specification, future space for ICT bays: 2 nos. at each substation. Line bays: 2 nos. at each substation. While in SLD and Floor plan ICT bays-1nos. at each substation. Line bays- 4nos. are shown.	We would like to inform you that their is discrepancy in technical specification and SLD layout for no of future bay. So we consider as per the SLD and Layout. Please confirm the same.	220kV future line bay:6 numbers and future ICT bay: 1 number <b>Addendum issued</b>	3, 4
632	Drawings -Nagaon 2 PDF File, 220 kV Nagaon SLD		We would like to inform you that, we have not received the customer SLD for Nagaon. We shall consider the scope of supply as per BOQ only. Kindly confirm the same.	Yes. SLD will be uploaded after the pre-bid meeting	
633	TS , Pg. 311 of 782 Pressure Vessel Code	Each, housing is subject to a pressure and gas tightness test and complies with the requirements of the relevant CENELEC standard	We would like inform you that, as material code is country based codes. For pressure vessel code, we follow KSD6008 with equipment EN code (ENAC-42100).also we will conduct all the pressure test for enclosure as per the Cl.6.103-	Accepted	

			IEC-203- 2011. Kindly accept the same.		
634	BOQ BOQ_26523 A BOQ_26482 B Special Tools	Video Borescope required in special tools list.	We would like to inform you that, the mentoned Special tool shall not be in GIS scope of supply Kindly accept the same	Since this an EPC contract so, it will be under bidder's scope	
635	TS Pg. 338 of 782 GIS, CB, DS, ES & HES Parameters	For 220kV GIS, Lightning impulse withstand voltage & Power frequency withstand voltage across isolating distance is mentioned 1225kVpeak & 605kVrms respectively.	We would like to inform you that, kindly follow the mentioned requirement as per IEC ( 1050 KVp & 460 KVrms respectively) Kindly accept the same.	Not accepted. Should be as per bid.	
636	TS TS- 16.3.1.8 Continuous gas monitoring	Continuous on line monitoring system is required, to monitor conditions such as gas density, gas pressure, gas leakage, moisture (offline) etc.	We would like to inform that , we shall provide, Gas Density Monitor only which has NO/ NC contact for each compartment for the all the bays under GIS scope. The same shall fullfil the customer requirement for monitoring of SF6 gas. And we didn't consider gas trasmmitter to monitor SF6 gas online. Kindly accept the same.	Not accepted. Should be as per bid.	

637	BOQ_26523 A BOQ_26482 B 220kV SLD BOQ SL No :8.04 & SLD of Package A & B, Current Rating	For 220kV GIS current rating given in BOQ is 3150 Amp. While in SLD 4000 Amp.	Discrepancy in data between BOQ and SLD. Kindly clarify the same.	Current rating is 3150 Amps	
638	TS, GIS GTP 8 & TS clause no .16.3.1.4 Page No-315 of 718 Gas Loss per annum	Guaranteed Maximum Gas Losses for each Compartment for all Individual Section 0.1 % per Annum & As per TS The Gas loss of the switchgear shall be in no case higher than 0.5% per year (as per IEC62271-203) .	As per IEC 62271-203 standards, we provide Guaranteed Maximum Gas Losses for each Compartment for all Individual Section less than 0.5 % per Annum. There is discrepancy in data. Kindly clarify the same.	As per bid	
639	220kV GIS TS GIS GTP -SL No -7 Circuit Breaker parameters	Rated power frequency withstand voltage with circuit breaker open condition is 605 kVrms. Rated lighting impulse withstand voltage with circuit breaker open condition is 1220kVp.	As per IEC 62271- 203, Rated power frequency withstand voltage with circuit breaker open condition is 460kVrms. Rated lighting impulse withstand voltage with circuit breaker open condition is 1050kVp. Kindly accept the same	Not accepted. Should be as per bid.	
640	220kV GIS TS, GIS GTP -SL No -5 Disconnecting switch parameters	Rated power frequency withstand voltage across isolating distance is 605kVrms. Rated lighting impulse withstand voltage across isolating distance is 1220kVp.	As per IEC 62271-203, Rated power frequency withstand voltage with circuit breaker open condition is 530kVrms. Rated lighting impulse withstand voltage with circuit breaker open condition is 1200kVp. Kindly accept the same.	Not accepted. Should be as per bid.	

641	BOQ_26523 A BOQ_26482 B 220kV BOQ Package A,B 8.245kV GIS equipment CB, DS & ES	3 Phase CB,ES & DS.	<p>We would like to inform that, We provide single phase CB, ES &amp; DS.</p> <p>However our ES and DS mechanism is gang operated, which is being accepted and approved by All leading state TRANSCOs.</p> <p>Kindly accept the same.</p>	Please follow the updated BoQ	
642		Time extension Request	<p>Due to outbreak of global pandemic of Covid-19, severe travel restrictions have been imposed within Saudi Arabia and international courier service is also not operational.</p> <p>Moreover, due to travel restrictions, site visits have been possible. Hence, request for time extension for submission of bid for another 15 days i.e. up to 23rd July 2020</p>		

643	<p>Technical Spec.- Volume 2, Chapter 2, Clause no 2.6.12 , 220kV Present Scope of works , Page No.36</p> <p>Volume 3, Drawings , 220kV SLD &amp; Electrical Layout</p>		<p><u>220kV:</u> As per the specified clause, the space for future expansion is required for 2 future line bays and 2 future transformer bays.</p> <p>Whereas,the SLD, layout indicate that, the space is required for expansion by 6 future line bays and 1 future transformer bay.</p> <p>Kindly confirm the exact requirement.</p>	<p>220kV future line bay:6 numbers and future ICT bay: 1 number <b>Addendum issued</b></p>	3, 4
644	<p>-Technical Spec.- Volume 2, Chapter 2, Clause no 2.6.12 , 33kV Present Scope of works , Page No.36</p> <p>- Volume 3, Drawings , 33kV SLD &amp; Electrical Layout</p>		<p><u>33kV:</u> As per the specified clause, the number of line panels is 12 bays. Also, space is required for 12 numbers of future line bays.</p> <p>Whereas,the SLD, layout indicate that, 8 line panels (  including 2 for station transformer ) and the space is required for expansion by 4 future line bays.</p> <p>Kindly confirm the exact requirement.</p>	<p>Addendum will be issued. Please follow the modified BOQ.</p>	

645	<p>-Technical Spec.- Volume 2, Chapter 9, Clause no 9.3.2, 33kV Switchgear panels, Page No.161</p> <p>- Volume 3, Drawings , 33kV SLD</p>		<p>As per the specified Tech. Spec. Clause 9.3.2, the 33kV breakers shall be vacuum type.</p> <p>Whereas the SLD inidcates 33kV SF6 CB.</p> <p>Kindly specify whether the 33kV breakers are VCB or SF6 type ?</p>	33kV VCB	
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646	<p>-Technical Spec.- Volume 2, Chapter 9, Clause no 9.3.2, 33kV Switchgear panels, Page No.161</p> <p>-Technical Spec.- Volume 2, Chapter 9, Clause no 9.7.4, 33kV Switchgear panels - CB , Page No.164</p> <p>-Technical Spec.- Volume 2, Chapter 9, Clause no 9.19, 33kV Switchgear panels - Tech. parameters , Page No.168</p> <p>- Volume 3, Drawings , 33kV SLD</p>		<p>Different values of short circuit current rating for the 33kV SWG AIS panel were noted in different parts of spec. as follows:</p> <p>a) Cl.9.3.2 - 33kV panels - 31.5 kA for 3 sec. b) Cl.9.7.4 - 33kV CB - 31.5 kA for 3 sec. c) Cl.9.19 - 33kV panels (sl.no.10) - 31.5 kA for 3 sec. d) Cl.9.19 - 33kV CB (sl.no.7) - 25 kA for 3 sec. e)SLD - 33kV bus -31.5kA for 1 sec.</p> <p>Kindly specify the exact value of short circuit current required for the 33kV panels and its equipments.</p>	31.5kA for 3 Sec	
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647	<p>-Technical Spec.- Volume 2, Chapter 7, Clause no 7.1.2 (Sl.no.8), System Parameters, Page No.121</p> <p>-Technical Spec.- Volume 2, Chapter 17, Clause no 17.3.2.7, SF6 to Air bushing.</p>		<p>In the specified table, sl.no.8, the minimum creepage distance is mentioned as 25mm/kV. Whereas, the value mentioned (against 33kV system)is 7595mm which corresponds to 31mm/kV.</p> <p>Also, as per Tech. Spec. Clause 17.3.2.7, the creepage mentioned for SF6 to Air bushing is 31mm/kV.</p> <p>Kindly specify the exact creepage distance value to be adopted.</p>	<p>Creepage distance will be 31mm/Kv <b>Addendum issued</b></p>	10
648	<p>-Technical Spec.- Volume 2, Chapter 10, Clause no 10.0 (Sl.no.8), 245kV Isolators - rated current, Page No.170</p> <p>- Volume 3, Drawings , 245kV SLD</p>		<p>As per the specified table, Sl.no.8, the 245kV isolators are rated for 3150 A.</p> <p>Whereas, the SLD indicates the current rating to be 4000A.</p> <p>Kindly confirm whether the current rating for 245kV Isolator is 3150A or 4000A? Also confirm the bus rating for 245kV system is 3150A or 4000A?</p>	3150Amp	
649	<b>GIS</b>				



650	-Technical Spec.- Volume 2, Chapter 16, Page No. 311		<p>Tech. Spec. Chapter 16, States that " Internal Surface Painting RAL 7038, External Surface RAL 9010"</p> <p>As per the manufacturer's design, the internal surface shall be unpainted. We request AEGCL to confirm if this proposal is acceptable.</p>	The manufacturer may adopt their own painting procedure but the same has to confirm with the specification mentioned in the bid	
651	-Technical Spec.- Volume 2, Chapter 16, Page No. 312		<p>Tech. Spec. Cl. 16, states that, "the modules of circuit-breakers, voltage transformers, cable connection module and surge arresters form separate gas compartments".</p> <p>The compartmentalisation shall be as per the design of the manufacturer, we request customer to confirm if this proposal is acceptable.</p>	Accepted	
652	-Technical Spec.- Volume 2, Chapter 16, Clause no 16.3.2.3 (1) , GIS - Grounding Switches - General , Page No.322		<p>The Tech Spec. Cl. 16.3.2.3 states that, " Maintenance earthing switches shall be electrically interlocked to prevent the earthing switch from closing on an energized bus section. The common point of the two bus bars along with earth switch shall be designed and housed in a separate compartment.."</p> <p>The maintenance earth switches shall be part of</p>	Accepted	

			<p>Disconnecter as per manufacturer's design. Also, the common point will be in separate compartment but the earthing will be through maintenance earth switch in BB Disconnecter as part of safety feature. Separate earthswitch for common point is not applicable in the manufacturer's design. We request customer to confirm if this proposal is acceptable.</p>		
653	<p>-Technical Spec.- Volume 2, Chapter 16, Clause no 16.3.2.5 , GIS - Grounding Switches - General , Page No.323</p>		<p>As per Tech. Spec. , "There Must be possibility of provision of CT on either side of CB"</p> <p>As per SLD CT shall be provided on only on one side of the breaker, We request AEGCL to confirm if this proposal is acceptable.</p>	As per Bid	
654	<p>-Technical Spec.- Volume 2, Chapter 16, Clause no 16.3.2.6 (5) , 16.3.2.14, GIS - Potential Transformer , Page No.325, 329</p>		<p>As per specified Tech. Spec. Clauses, "Potential transformer secondary shall be protected by fuses."</p> <p>As per manufacturer's design the potential transformer secondary shall be protected by MCB. Kindly confirm that this is acceptable.</p>	Will be decided during detailed engineering	

655	-Technical Spec.- Volume 2, Chapter 16, Clause no 16.3.2.16, GIS - Accessories , Page No.330		As per Tech. Cl. 16.3.2.16, "SF6 Gas Service Cart ...Vaccum Pump 40 m3/hr(Suction pr) compressor 6.5 m3 /hr delivery , with storage of max capacity of any 3 adjacent eq, with 5 yrs opearational spares,  SF6 GAS Handling Plant - recovering of gas from Rated pressure to 50 mb pressure within 3 Hrs, filling a compartment to rated pr within 1 hr "  Please confirm that the tools appearing in price schedule only to be quoted.?	Apart from the tools appearing in the price schedule, optional as mentioned in the bid shall be quoted in the updated price schedule.	
656	-Technical Spec.- Volume 2, Chapter 16, Clause no 16.3.2.18, GIS - Testing and Commissioning , Page No.332		As per the specified Tech.Cl., " Power Frequency Test : On site testing of GIS - Test voltage shall be 80% of factory test voltage."  The tests shall be as per IEC. Kindly confirm.	As per bid	
657	-Technical Spec.- Volume 2, Chapter 16.4, GIS-GTP , Page No.345  - Volume 3, Drawings , SLD		As per SLD Current ratings for All equipments and Bus Bar is mentioned as 4000 Amps.  As per clause 16.4 in GTP, Equipments are rated for 3150 Amps.  Please confirm the current	3150 Amp Addendum issued	20

			ratings for Equipment and Bus bar and Design ambient temperature to be considered.		
658	- Volume 3, Drawings , SLD		<p>Please confirm whether space for future bays in GIS room to be considered as per SLD.</p> <p>Also confirm the minimum clearance if any to be considered around the GIS.</p>	Space for future need to be provided. Minimum clearance shall be decided during detail engineering.	
659	- Volume 3, Price Schedules , Annexure I,III, item 8.03		<p>As per Price schedule, the following are required: Four (4) numbers 3-phase, single pole group operated safety grounding switches, complete with manual Three (3) numbers 1-phase Potential Transformers, Gas monitoring devices, barriers, pressure switches.</p> <p>Grounding switches shall be part of disconnecter as per manufacturer design. Kindly confirm if this is acceptable.</p>	Please follow the updated BOQ in the e-tender portal.	26
660	- Volume 3, Price Schedules , Annexure I,III, item 9.02		There is no details specification for online partial discharge monitoring system, Requesting you to kindly provide the same for our better clarity.	The bidder is required to offer the same of reputed manufacturer and the same shall be approved by AEGCL	

				during detail Engineering.	
661	- Volume 3, Price Schedules , Annexure I,III, item 25.022 - 25.025		<p>As per the price schedule, the following are required: Closing dashpot, opening dash pot, opening catch gear, closing dash gear.</p> <p>This is not applicable for GIS, we understand that only the items which are applicable for GIS shall be quoted. Please confirm whether our understanding is correct.</p>	They are applicable for any type of circuit breaker operating mechanisms, Therefore, it should be as per BoQ.	
662	<p>-Technical Spec.- Volume 2, Chapter 5, Clause no 5.9.xii , Illumination System, Page No.81,82</p> <p>'- Volume 3, Price Schedules, Annexure I,III.</p>		<p>There is no detailed description for perimeter (boundary wall) lighting given in the Tech. Spec. Or Price Schedules. Hence we didn't consider the same. AEGCL shall confirm whether the same is required or not? If required, kindly provide details regarding lux level required, type of luminaire to be used etc.</p>	Please refer to the Bid. Illumination system should cover the whole plot area.	
663	<p>- Volume 3, Price Schedules, Annexure II,IV, item 19.011</p> <p>- Volume 3, Price Schedules, Annexure I,III.</p>		<p>For the following buildings: store building, and open store : the lighting materials required are reflected in the Installation Price Schedule Annex 2 and Annex 4, under item 19.011, "Indoor lighting", whereas they are not available in the Supply Price schedule.</p>	Please follow the updated BOQ in the e-tender portal.	

			Is the supply of these materials under the scope of the contractor/bidder ? If so kindly revise the supply price schedule(Annex 1 and Annex 3) including the missed items.		
664	- Volume 3, Price Schedules, Annexure I,III, item 22.011		<p>AEGCL given layout shows RE residence building. Whereas the same is not available under item no.22.011 "Indoor lighting.</p> <p>Is the supply of lighting materials for this building under the scope of the contractor/bidder ? If so kindly revise the supply price schedule(Annex 1 and Annex 3) including the missed items.</p>	Please follow the updated BOQ in the e-tender portal.	
665	- Volume 3, Price Schedules, Annexure II,IV, item 19.011		<p>The lighting materials required for the RE's residence building are not mentioned under item 19.011, "Indoor lighting" in the installation Price Schedule (Annex 2 and Annex 4), where the lighting materials required for other buildings are included.</p> <p>Is the supply and installation of lights for RE's building in the bidder's scope? If so, kindly include the same in the price schedule.</p>	Please follow the updated BOQ in the e-tender portal.	

666	Volume 2		Steel Structures: HT and MS quantity for Steel structures including Stubs & Templates for Substation and Transmission line is not provided in specification / Price schedule. Please provide the same.	The contractor shall offer the HT and MS as per their design and the same shall be approved by AEGCL	
667			a. Transit Insurance for Supply Materials shall be taken from Nationalized Insurance Company and Insurance policy shall be submitted to AEGCL.	Yes	
668			b. Erection All Risk policy shall be taken from Nationalized Insurance Company and Insurance policy shall be submitted to AEGCL.	Yes	
669	Volume 2, Page No. 224		For submission of Freight & Insurance Invoice, separate Insurance policy for each equipment is required or not. Please clarify.	Separate Insurance policy for each equipment is required	
670	Volume 1, Page No. 227		As per our knowledge, Erection All Risk policy to be covered for Contract value. Please clarify EAR policy to be taken for Contract value or 21m as specified.	As per Bid.	
671		Time extension Request	Due to outbreak of global pandemic of Covid-19, severe travel restrictions have been imposed within Saudi Arabia and international courier service is also not operational. Moreover, de to travel		

			restrictions, site visits have been possible. Hence, request for time extension for submission of bid for another 15 days i.e. upto 23rd July 2020		
672	Pg 312 of 782	The modules of circuit breaker, Voltage transformer, form separate gas compartments	the compartmentalisation shall be as per the design of the manufacturer, we request customer to accept our proposal	Accepted without major variation from the Technical Specification	
673	16.3.2.3 (1) Pg 322 of 782	Maintenance Earthing Switches... The common point of two Bus bars along with Earth Switch shall be designed and housed in a separate compartment..	The maintenance earth switches shall be part of Disconnecter as per GE design. Also as per GE design the common point will be in separate compartment but the earthing will be through maintenance earth switch in BB Disconnecter as part of safety feature. Separate earth switch for common point is not applicable in GE design. We request customer to accept our proposal.	Accepted without major variation from the Technical Specification	
674	SLD	As per SLD Current ratings for All equipments and Bus Bar is mentioned as 4000 Amps	As per clause 16.4 in GTP Equipments are rated for 3150 Amps. Please confirm the current ratings for Equipment and Bus bar and Design ambient temperature to be considered.	3150 Amps	
675	Layout and SLD for Pkg-B	Layout and SLD is not provided, request customer to furnish the same.		Drawing will be furnished	



676	8.06	Bus duct Quantity	As understood, the Bus duct routing shown in layout is only indicative and the actual quantity can be billed during order execution, against the mentioned line item.	It may deviate	
677	25.021	Complete Spring operating mechanism	As separate drive mechanisms is mentioned in spares for Circuit breaker, disconnectors and Earth switches, we request customer to delete this item as part of spares.	BoQ will be modified accordingly	26
678	BOQ for Transmission Line provides the tower quantity without segregation of HT & MS.		Since AEGCL having the BOQ for the tested towers, it would be more appropriate to split the quantity for HT & MS for each type of towers so as to arrive the cost more precisely, otherwise, it will lead to assumption of quantities by the Bidder which would result in unreasonable pricing.	The contractor shall offer the HT and MS as per their design and the same shall be approved by AEGCL	
679	The BOQ for stubs, templates, bolts & nuts for different type of towers given in lots / set.		Since AEGCL having the BOQ for the identified towers, it would be more appropriate to furnish the quantity in MT including segregation of MS & HT for each type of towers so as to arrive the cost more precisely, otherwise, it will lead to assumption of quantities by the Bidder which would result in unreasonable pricing.	As per bid	

680	Item No.22.01 for Soil Investigation under Installation BOQ specifies the quantity as 1 per job.		Needs more elaboration & specification for type of soil investigation to be carried out so as to arrive the realistic cost.	As per bid.	
681	Under item No.22.02, under installation BOQ for item standards, design & drawings specified as quantity 1 per job.		Needs to be addressed with specific requirement along with detailed specification to identify type of design need viz. pile foundation, isolated footings, tower design, etc.,	Please follow the updated BOQ	
682	Under item No.22.03, under installation BOQ for item site clearance including necessary excavation specified as quantity 1 per job.		Needs to be addressed with specific requirement along with detailed specification to identify type of site clearance needed.	As per bid	
683	As per Corrigendum III, the bid submission date is extended to 09.07.2020		In the present COVID-19 Pandemic, the restriction of public transport, movement of persons, compulsion of quarantine in India makes difficulties for deputing our officials for conducting site visit to collect required input	Will be intimated in due course of time (if any).	

			for arriving the cost. Hence, we have already requested for time extension upto 23.07.2020 (copy of the letter attached) and look forward to have a favourable reply from AEGCL.		
684	As per Schedule of rates & prices furnisehd vide Sec. 4 under Vol.1 and also furnished a different format for rates & prices vide Revised Bill of Quantities for supply & installation.		Since both the formats are different in nature, we would like have a confirmation from AEGCL to indicate the correct format to follow.	Please follow the BOQ	
685	As per the payment Clause No. A, under Section 9 of Vol.1, the recovery of advance is mentioned as 25% from each running account bill till the recovery of entire advance.		The given condition will restrict the cash flow of the successful bidder but also will lead to additional loading of financial charges, thus it will increase the cost of the project. Hence, it can be modified in line with the widely followed recovery method of 10% in each running account bill to bring down the cost of the project.	Not Acceptable	

686	<b>Technical Specification, 17.6.1.0, 3/100</b>	The no-load loss, load loss and auxiliary losses (cooler loss) as well as total losses shall be guaranteed under penalty for each transformer subject to Clause 17.6.1.2 and 17.6.1.3. For the purpose of penalty computation the test figures of the no-load and the total losses of each transformer will be compared with the corresponding guaranteed figures.	Both Load losses and I2R Losses shall be guaranteed under penalty for each transformer and Penalty rates	Yes. Addendum issued	18
687	<b>Technical Specification, Chapter -17 - Clause-12, 76/100</b>	Dynamic short circuit withstand test shall be carried out as per IEC 60076c5. Dynamic short circuit test shall be carried out in HV cIV combination at nominal & extreme tap positions. For LV windingb dynamic short circuit shall be carried out either on HV cLV or IV cLV combinationb whichever draws higher short circuit current as per calculation. Type tests shall be carried out before short circuit test.	Delivery schedule for Short Circuit test	Detailed test procedure shall be submitted by contractor and shall be approved by AEGCL before Short circuit test.	

688	9.1.1.	Scope	<p>This specification describes the general requirements governing the design, manufacture, testing and supply of 36kV 3 phase, 50 Hz LSC 2B, PM, IAC AFLR Indoor Air Insulated Metal clad Switchgear and control gear fully type tested according to IEC 62271-100/200 standards and having SCADA / SAS compatible facilities with cassette mounted circuit breaker.</p> <p>The design of the switchgear shall be exclusive and specific responsibility of supplier and shall comply with current good engineering practice, the relevant codes and recommendation, the project specific requirements.</p> <p>The vacuum circuit breaker shall confirm to IEC 62271-100.</p> <p>All the equipment shall be suitable for satisfactory operation in tropical climate and dry dust laden atmosphere.</p> <p>The equipment shall be able to withstand wide range of temperature variation (-5° to 45°C). Temperature rise shall be guided by as per IEC : 600694.</p> <p>The plant / apparatus /</p>	As per Bid	
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			equipment supplied shall comply in all respect with the requirement of Indian Electricity Rule 1956 / ISS / IEC with latest amendment.		
689	9.2.1	Standards :	<p>IEC 62271-1 Common Specifications for Switchgear &amp; Control gear</p> <p>IEC 62271-100 Circuit Breakers</p> <p>IEC 62271-200 A.C. metal-enclosed switchgear and controlgear for rated</p> <p>voltages above 1kV and up to and including 72kV and the IEC</p> <p>code herein referred</p> <p>IEC 60129 Alternating current disconnectors (isolators)</p> <p>IS 2705 Current transformers</p> <p>IS 3156 Voltage transformers</p>	Accepted	

			<p>IEC 60255 Electrical relays  IEC 60529 Classification of  degrees of protection provided  by enclosures</p> <p>Any other codes recognized in  the country of origin of  equipment might be considered  provided that they fully comply  with IEC standards.</p>		
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690	9.4.2	Constructional features :	<p>The switchgear and control panels shall be of the gear fully arc proof PM , LSC 2B, IAC AFLR, Cassette mounted, withdrawable type, consisting of separate panels assembled into one or more sections to form a single structure with a common busbar assembly. The offered switchboard should be tested for Internal Arc Withstand current of 31.5 KA for 1 second in each of the three compartments (Circuit breaker, Busbar &amp; Cable compartment)</p> <p>The panels shall be constructed from prime quality folded and riveted steel sheet of 2 mm thick Aluzinc. The design of the panels shall be such that no permanent or harmful distortion occurs either when being lifted by eyebolts or when moved into position by rollers or transpallets. The switchgear and controlgear should have the minimum degree of protection (in accordance with IEC 60529)</p> <ul style="list-style-type: none"> <li>- IP 4X for the enclosure for rated current upto 2500A</li> <li>- IP 2X for the partition between compartments</li> </ul> <p>The switchgear must be readily extendable in either direction. The switchboard may be</p>	A per Bid	
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			<p>subject to seismic disturbance; hence the switchgear supplier shall provide proof by type test or calculation according to IEEE 693 standards, documentation to support the offered equipment. The switchgear shall be type tested for seismic zone IV Each cubicle shall be equipped with anti-condensation heater controlled by thermostat. If Louvers are provided in switchgear for high rating panels these openings shall be sealed in the event of an internal arc fault. All holes or apertures if required to be provided in the switchgear panel, same should be designed for containing the arc within the switchgear panel. The switchgear must be provided with earth switch type tested for making type. Maximum Cubicle dimensions will be as follows;  Height : 2700 mm  Width : 1000 mm  Depth : 2800 mm  Each switchboard shall be supplied with the basic operating tools like rack in rack out handle.</p>		
691	General	Degree of Protection	The design of the switchgear shall be exclusive and specific responsibility of supplier and	As per bid	

			shall comply with current good engineering practice, the relevant codes and recommendation, the project specific requirements.		
692	9.6.2	Bus Support Insulators	We have self support busbar design. Hence, as per type test design, we do not envisage any Bus support insulators in our panel.	Accepted	
693	9.11.0	Cable boxes & cable glands	Cable termination kits, glands, lugs etc. shall not be in our scope. Cable box is not provided as cable termination shall be in cable compartment of the panel Earth bus shall be as per the STC requirement.	Not acceptable	
694	9.5	Wiring	Wiring as per manufacturers standard.	Yes	
695	General	make of equipment list	Make of various bought out items such as CT/ PT, relays, meters etc shall be from our regular approved vendors.	Yes	
696	14.1. C	The sub-stations shall have automation as per IEC 61850 protocol in Bay & Station level. The bidder has to supply the C&R panels to match the requirement of Sub-station Automation System (SAS) as specified in the subsequent chapter, from the same manufacturer.	Please allow another manufacturer for the 33kV CRP Feeder only.	As per bid	

697	14.4. ii	ii) Inter-operability Tests are conducted in manufacturer's own laboratory. In this case (i) the laboratory must have ISO 9000 (or its equivalent) series certification; and (ii) tests have been witnessed by technically qualified representatives of earlier Indian clients of Central/State Transmission Utilities.	Please elaborate the formalities for the Inter-Operability. Either AEGCL will organize the Inter-Operability Testing. Please confirm.	No. But interoperability has to be demonstrated.	
698	14.28.1 f)	f) All draw out cases or plug in type modular cases will have proper testing facilities. The testing facilities provided on the relays shall be specifically stated in the bid. All protective relays shall be with proper online testing facilities without isolation from TB where inputs viz CT/ PT and DC are wired. All main relays shall be provided with test plug to test the relay online & required test handle may be invariably indicated. Necessary test plug shall be in the supplier's scope of supply and shall be supplied loose. Unless otherwise specified all auxiliary relays and timers shall be supplied either in non-draw out cases or plug in type modular cases.	We will offer non-draw out type Auxiliary relay either flush mounted or plug base type inside the panel only. Kindly confirm whether it's acceptable or not.	As per bid	
699	14.28.2 b) ii)	Relays shall have one no. front RJ45 or USB port (for RS 232 port Converter to USB shall be supplied for each substation along with spare) for Local Relay Parameterization and Two nos. rear FO port/ Rear RS485 for connectivity to SAS over IEC61850 protocol	Kindly confirm whether it's typographical mistake that RS485 written instead of RJ45. Because IEC61850 protocol are not available over RS485 port.	Apart from all other ports, two nos. rear FO port will be required for connectivity to SAS over IEC61850 protocol. The two FO ports is required for PRP architecture.	

700	14.28.2 b) iv)	The relay shall have sufficient battery back up to keep the internal clock running for at least 2 years in absence of auxiliary supply. The capacitor discharging power is not sufficient and wont be accepted. Proper battery back must be provided.	All the privilege data like DR, Events, Setting, Fault record, Configuration will be store in a non-volatile memory only. DR, Events, fault record will stored in the relay with the date & time stamp. But the internal clock will be in running condition for 48 hours only after discharging the Auxiliary power from the relay.	As per bid	
701	14.28.2 b) v) & vi)	v) Should have minimum 12 configurable LEDs	Kindly confirm the Digital Input & Output for the relays/BCU of 33 kV Twin feeder panel with single bus system.	As per bid	
702		vi) Should have minimum 24 Binary Inputs and 32 Binary Outputs as per scheme requirement			
703		including 30% BI & BO spare.			
704	14.28.2 b) xvii)	xvii) Relay shall have inbuilt PRP ports	We proposing to incorporate the feature that HSR/PRP should be site selectable in the relay.	As per bid	
705	14.43	The BCU shall have redundant power supply card i.e. in case of failure of one source/Card fail, the redundant shall pick up	Dual power supply in the relay/BCU is not possible, Kindly reconsider this point as that dual redundant power supply via diode unit/DC Changeover Ckt in the panel or relay.	Accepted	
706		instantly. Power supply card failure shall generate necessary alarm to local SCADA.			
707	General	BOQ	Please share the BOQ for below panels :	As per BOQ	
708			33kV Transformer Protection Panel		
709			Bus Sectionaliser Panel		

710			Station Service Transformer Panel		
711	Section-Project		<p>Along with the tender documents, we couldn't get any standard LT SLD (SLD for AC &amp; DC System ) typical for a 220/33kV Switchyard.</p> <p><b>Request to provide standard LT SLD for the AC &amp; DC system applicable for 220/33kV S/S for our reference and consideration of feeders for the LT Switchgear system.</b></p>	The bidder are requested to furnish the said drawings and the same shall be finalised during detail Engineering.	
712			<p>As per our understanding, the Supply, Transportation, Erection &amp; Commissioning of 2Nos 100MVA Power Transformers are not in the present scope.</p> <p><b>Request you to kindly confirm whether our understanding is correct.</b></p>	This is an EPC contract and everything is under contractor scope	
713	Price Sch-Supply & Erection BOQ, Item No. 2.03 - Insulators, hardware & Conductors - 2.033 & 2.034		<p>According to attached Electrical Layout Plan &amp; Section (220kV GIS Substation at Bhipuria, Assam, Doc No. NAC/AEGCL/BHIPURIA/EL-004, Rev-03, Sheet 2 of 2), Tension or Suspension insulators have not been shown but have been considered in BPS.</p> <p><b>Request you to kindly confirm.</b></p>	Yes. Please follow the modified BOQ	

714	Price Sch-Supply & Erection BOQ, Item No. 17 - Lattice Structures (MS Steel) for incoming and outgoing gantries etc - 17.03 && 17.04		According to attached Electrical Layout Plan & Section (220kV GIS Substation at Bhipuria, Assam, Doc No. NAC/AEGCL/BHIPURIA/EL-004, Rev-03, Sheet 1 of 2 & 2 of 2), 33kV Columns (C5 as mentioned in BPS) & Beams (B5 as mentioned in BPS), has not been shown but considered in BPS. <b>Request you to kindly confirm.</b>	Location shall be finalised during detail engineering.	
715	Price Sch-Supply & Erection BOQ, Item No. 12 - Power Line Carrier Communication Equipments (Twin Channel, 8kHz)		According to the PLCC item mentioned 4Nos. Digital Carrier Equipment & 4Nos. DPC has been mentioned. We assume that the Equipment has been considered for both end substations. <b>Request you to kindly confirm whether our assumptions are correct or not.</b>	Yes	
716	Price Sch-Supply & Erection BOQ, Item No. 5 - Inductive CVT and Wave Trap - 5.01 & 5.02		As per the Supply as well as erection BPS 12Nos. 220kV CVT & 8Nos. 220kV WT has been considered. we assume that quantities for remote end S/s have also been considered. But in the Annexure - I & II ("SCHEDULE OF QUANTITY (SUPPLY) & (ERECTION AND CIVIL ITEMS) INCLUDING MANDATORY SPARE	AS per BOQ upload in the e-tender portal. Please refer to the corrigendum.	

			<p>PARTS FOR 220/33KV BIHPURIA &amp; JHAKALBANDA GIS S/s")</p> <p>6Nos. 220kV CVT &amp; 4Nos. 220kV WT has been considered.</p> <p><b>Request you to kindly confirm the exact nos of 220kV CVT &amp; 220kV WT.</b></p>		
717	<p>Price Sch-Supply &amp; Erection BOQ, Item No. 2.03 - Insulators, hardware &amp; Conductors - 2.039</p>		<p>According to the attached Electrical Layout Plan &amp; Section - 220kV GIS Substation at Bhipuria, Assam, Doc No. NAC/AEGCL/BHIPURIA/EL-004, Rev-03, Sheet 1 of 2, no BPI is 8Nos. And 24Nos. BPI is required for 8Nos WT (which includes 12Nos BPI for 4Nos. WT at remote end S/s, as well). Hence a total of 32Nos. 220kV BPI is required. But as per item no. mentioned 44Nos BPI are considered.</p> <p><b>Request you to kindly confirm the exact no of 220kV BPI.</b></p>	AS per updated BOQ.	
718	<p>Section-Project (PKG VOL-II) Pg 150 of 782, Clause 7.27 Earthing system</p>		<p>According to Clause it is written the mesh or grid for 220/33kV System is to be made out of 75X10 MM GS Flat but we assume it is to be made of 75 X 12 MM GS Flat as mentioned in BPS (75X12 MM GS Flat for Main Mat).</p> <p><b>Request you to kindly confirm.</b></p>	As per updated BOQ. Corrigendum will be issued.	

719	Earth resistivity test report	ANNEXURE-XII NAGAON-2 SI & ERT REPORT	ERT report are missing in the document. Please provide the soil resistivity value.	Will be uploaded.	
720	Water tank and pump house drawing	Chaygaon plot plan (Dwg No: NAC/AEGCL/CHAYGAON/PLOT PLAN-002)	Please provide the water tank and pump house drawing	Will be finalised during detailed engineering.	
721	33KV SWGR Room	33KV Switchgear & Control Room building floor plans, sections & Elevations (Dwg No: NAC/AEGCL/CHAYGAON/33SCR /ARCH-007)	33KV SWGR Panel - SST-2 board and future bays dimensions are not covered in the layout. Due to this 33KV Switchgear room dimension may vary. We presume that bidder may change/optimize the building dimension as per requirement. Please confirm whether bidder shall consider SST-2 & future boards in 33kV SWGR building. If yes, how many future bays to be considered.	The bidder may change and optimise the building dimension as per requirement. 33kV present bays: 2 ICT bays, 6 line bays, 1 bus-section bay, 2 station service bay, 2 Bus VT bay. The 33kV VCB Indoor panel should be of atleast 15 unit. 6 line bays, 2 Transformer incomer, 1 bus section, 2 for station transformer, 2 for PT bay & two numbers is consider as spare. The BOQ will be modified accordingly. Other then the above mentioned, only space for the future bays shall be considered. <b>Addendum issued</b>	3, 4, 26
722	Indoor lighting scope for RE Residence building	Price schedule: Supply_Sub_Chaygaon Si. No:22.01 Indoor lighting	Indoor lighting for RE. RESIDENCE building is missing in the price schedule. Please confirm the scope of work for the same.	Please follow the updated BOQ.	



723	Post insulator qty	Price schedule: Supply_Sub_ Chaygaon Si. No:2.039	As price schedule, “245KV, 1 Phase solid core bus post insulator” qty mentioned as 30 Nos. But as per Substation layout plan layout (Dwg No: NAC/AEGCL/CHAYGAON/EL-004) 220KV Bus post insulator qty mentioned as 8 Nos. Please confirm the qty for the same.	Please follow the price Schedule. Price schedule has been modified and uploaded. Please follow the modified price schedule.	
724	33KV Outgoing line tower location	Chaygaon plot plan (Dwg No: NAC/AEGCL/CHAYGAON/PLOT PLAN-002)	Please provide the location of 33KV Outgoing line tower, 33kv Isolator & 33KV LA location. It is missing in the layout.	It will be finalised during detail engineering.	
725	33KV Surge arrester qty	Price schedule: Supply_Sub_ Chaygaon Si. No:4.02	33KV LA qty mentioned as 30Nos. But as per substation layout, the qty mentioned as 6Nos (For transformer side). For 33KV lines 18Nos (6x3) are required. Total = 24Nos. Please confirm the 33KV LA qty.	Please follow the price Schedule.	
726	33KV cable termination qty	Price schedule: Supply_Sub_ CHAYGAON Si. No:13.02	As per price schedule 33KV cable termination qty 40 Nos (39+1spare) provided. We presume that both indoor and outdoor cable termination qty are covered in this line item. As per SLD total 60Nos are required (6 Nos Line bays = 36, 2 Nos Transformer bay = 12 Nos, 2 Nos SST bay = 12 Nos) both ends considered. Please confirm the same.	Total numbers shall be 100 considering Spare. BOQ will be modified accordingly. <b>Addendum issued</b>	26

727	40mm MS Rod 3Mtrs long - Qty	Price schedule: Supply_Sub_CHAYGAON Si.No: 16.015 & Si.No: 16.021	We presume that MS rods (3Mtrs long) required for Earthing for fencing around the substation are covered in the line item Si. No:16.015. Please confirm the same.	Yes	
728	XLPE cable and termination kit	Price schedule: Supply_Sub_CHAYGAON Si. No:13.01	As per price schedule Si.No: 13.01 mentioned that, 1000Sq.mm, 1 CORE XLPE cable. We presume that these cables are 33KV cables. Please confirm the same.	Yes	
729	33kV SWGR SLD	Price schedule: Supply_Sub_BHP Si. No:1 & Single line diagram (Dwg No:NAC/AEGCL/ CHAYGAON /SLD-003)	As per price schedule S. No:1, indicated that 13 Panel Indoor Drawn out type switchgear but whereas in SLD indicated as 11 Nos of panels excluding bus PT module. Please confirm the number of 33kV Switchgear panels quantity.	33kV present bays: 2 ICT bays, 6 line bays, 1 bus-section bay, 2 station service bay, 2 Bus VT bay. The 33kV VCB Indoor panel should be of atleast 15 unit. 6 line bays, 2 Transformer incomer, 1 bus section, 2 for station transformer, 2 for PT bay & two numbers is consider as spare. The BOQ will be modified accordingly. Other then the above mentioned, only space for the future bays shall be considered. <b>Addendum issued</b>	3, 4 & 26
730	220kV EOT crane capacity	Price schedule: Supply_Sub_CHAYGAON Si. No:8.07	220kV crane capacity has indicated in BPS as 7.5 Ton but whereas 220kV GIS building layout plan (Dwg	7.5 TON. As per price schedule	26

			No:NAC/AEGCL/ CHAYGAON /EL-005) indicated as 5 Ton. Please clarify the discrepancy.		
731	PLCC panel	Price schedule: Supply_Sub_ CHAYGAON Si. No:12.02 &12.03	In BPS it has been indicated that 4 No.0f digital carrier equipment panel & digital protection panels. Please confirm these PLCC panels requirement is only at substation end or both substation end and remote end.	This requirement is for establishing PLCC and carrier inter tripping for both substation and remote end.	
732	SAS Automation system	Price schedule: Supply_Sub_ CHAYGAON Si. No:7.02	As per BPS it has indicated 9 Nos of 33kV BCU to be integrated to the SAS but whereas the number of 33kV bays indicated in SLD as 12 bays. Please confirm the how many numbers of 33kV bays to be integrated to the SAS system.	The 33kV VCB Indoor panel should be of atleast 15 unit. 6 line bays, 2 Transformer incomer, 1 bus sectionalizer, 2 for staction transformer, 2 for PT bay & two numbers is consider as spare. The BOQ will be modified accordingly. The No of 33kV CRP required is 13 No including spare and excluding Bus PT Bay. So the no of bays to be integrated to SAS is 13 Nos of panels. Necessary Corrigendum will be issued.	3, 4 & 26
733	33CRP panels	Price schedule: Supply_Sub_ CHAYGAON Si. No:6.02	As per price schedule, we understood that separate 33kV control & protection to be provided by bidder. Please	Yes.	

			confirm bidder understanding is correct.		
734	BOQ- Transmission line_Supply Supply_line_Chaygaon Sl. No 1.12		Unit for Stub & BNA is given in Set where as qty in given in decimals. We understand that there is some typographical error in the qty & it should be any whole number. Please confirm.	Please follow the updated BOQ.	
735	BOQ- Transmission line: Supply_line_Chaygaon & Erec_line_Chaygaon		We understand that total number of tower in this line is as furnished below:  Tower Type Qty      Unit Tower C+0 type 1.000    Nos. Tower D+0 type 3.000    Nos. Tower D+3 type 1.000    Nos. Tower B+6 type 1.000    Nos. Tower C+6 type 1.000    Nos. Tower D+15 type 1.000    Nos. Tower D+18 type 1.000    Nos.  Please confirm the number of towers & stubs.	There are some changes. Please follow the updated BOQ.	
736	BOQ- Transmission line_Supply		Qty. for Stubs & template are given in Sets. Kindly provide tonnage for the same.	Stubs and template's unit cannot be provided in MT.	

737	BOQ- Transmission line_Supply		Qty. for <b>Galvanized iron nuts &amp; bolts, spring washers, step bolts etc. (No of Tower X MT* per Tower)</b> is provided in Sets as well as in MT at different places. Kindly provide tonnage for the same.	Please follow the updated BOQ.	
738	BOQ- Transmission line_Erection		We understand that unit for Welding of all nuts & bolts shall be Per Tower. Please confirm our understanding	In the Price schedule, the "Nos" refer to the Number of Towers.	
739	BOQ- Transmission line_Erection		Concreting of foundation is inclusive of Cement & reinforcement as per the item description. Kindly provide Bifurcation of M10 & M20 & Qty of reinforcement steel for each type of tower. Also provide us the excavation qty.	The quantity (Volume) as mentioned in BOQ are as per available drawing with AEGCL. However, the contractor can redesign and submit for approval and execution thereof. In doing so, the new design should not exceed the tendered qty and volume. For tendered BOQ please refer to Annexure 1.	
740	BOQ- Transmission line: Supply_line_Nagaon2 & Erec_Line_Nagaon 2		We understand that total number of tower in this line is as furnished below:  Tower Type    Qty Unit D+0 type        1 Nos. A+3 type        1 Nos. D+3 type        3 Nos.	Yes	

			Please confirm the number of towers & stubs.		
741	BOQ- Transmission line_Supply <b>Supply_line_Chaygaon</b> Sl. No 11.09		Under heading “OPGW HARDWARE/FITTINGS AND TERMINATIONS” a line item “INSULATORS AND INSULATOR STRING HARDWARE” is mentioned. We understand this is an error.  Please confirm our understanding.	Correction already done. Please follow the updated BOQ	
742	TS- 2.6.12 Page No 36 of 782 3)NAC/AEGCL/CHHA YEGAON/SLD- 003	In technical specification, future space for ICT bays: 2 nos. at each substation. Line bays: 2 nos. at each substation. While in SLD and Floor plan ICT bays-1nos. at each substation. Line bays- 4nos. are shown.	We would like to inform you that there is discrepancy in technical specification and SLD layout for no of future bay. So we consider as per the SLD and Layout. Please confirm the same.	Please refer to the corrigendum.	
743	Drawings -Nagaon 2 PDF File	220 kV Nagaon SLD	We would like to inform you that, we have not received the customer SLD for Nagaon. We shall consider the scope of supply as per BOQ only. Kindly confirm the same.	It will be uploaded.	

744	CHAPTER 32: TECHNICAL SPECIFICATION FOR INSULATOR STRING HARDWARE	Corona Control Rings/Grading Ring (For 220 kV & above voltage level line)	As per the standard design followed by the utilities for 220kV line hardware fittings, arcing horn is recommended. But in in this specification we find that corona control ring is required. Please confirm the requirement.	Corona control ring is required.	
745	Tender Documents	Contour Map	Kindly request to provide the contour map for the proposed substation plot of <b>CHHAYGOAN</b> , since contour map is only provided for Residential area and contour map for substation area is missed in the tender document which is required to identify the depth of filling for proposed substation structures.	It will be uploaded.	
746	CHAYAGAON Layout- NAC/AEGCL/CHAYA GAON/PLOTPLAN- 002 Price schedule item no.- 22.04 NAGAON Layout- HDEC/AEGCL/MP/220 -33/NAG- SS/SWYARD/02 Price schedule item no.- 22.04	Approach Road Works	If the approach as shown in the layout is in our scope, please confirm if the filling quantity is already included in the general filling quantity.	Yes	

747	Price schedule- Civil Works -22.17 T.S- Road & Culverts, cl.no-5.17 (a), pg-91	Road Works	In Price schedule it is mentioned as Road are made of Interlocking cement concrete block road whereas in technical specification it is mentioned that the switchyard roads are to be made of concrete. kindly clarify.	It should be paver block. <b>Addendum issued</b>	16
748	Price schedule- Civil Works -22.17 T.S- Road & Culverts, cl.no-5.17 (a), pg-91	Road Works	In specification it is mentioned that the switchyard road is to be made of concrete, whereas the same is missing in the price schedule, please include the same.	It should be paver block. <b>Addendum issued</b>	



749	<b>DRAWING NO.</b> HDEC/AEGCL/MP/220-33KV/NAGOAN 2/CONTROL ROOM/01 HDEC/AEGCL/MP/220-33KV/NAGOAN 2/33SCR/ARCH-07 HDEC/AEGCL/CHHA YGOAN/220GIS/GA-005 HDEC/AEGCL/MP/220-33KV/NAG/SS/SW.YARD-QUARTER/01A NAC/AEGCL/CHHAY GAON/ARCH/08 HDEC/AEGCL/CHHA YGOAN/GR/0H/ARCH-011 HDEC/AEGCL/CHHA YGOAN/GR/0H/ARCH-012 HDEC/AEGCL/CHHA YGOAN/SB/ARCH-009 HDEC/AEGCL/CHHA YGOAN/GR/SH/ARCH-010	Area of Building	We understand that all the buildings (Switchyard & CRB, 220kV GIS building, guard room, officers hostel & security barrack) needs to be quoted as per drawings attached in tender documents. Incase if there is any increase in the building size during execution will be paid us additional to the contractor, Please confirm.	All drawings enclosed along with the Bid are indicative and for tender purpose only. However, the contractor will required to produced all related drawing for approval from AEGCL. There may be deviation during detail engineering and no extra cost will be borne by AEGCL.	
750	T.S- cl.no- 5.3 (m), pg.no-87	Store building	As mentioned, Drawing for store building is not provided. Please confirm that drawings provided in Package A can be used for same.	YES for store building. However some additional drawings are also attached.	

751	T.S- cl.no- 5.3 (n), pg.no-87	Open Store shed	As mentioned, Drawing for open store shed is not provided. Please confirm that drawings provided in Package A can be used for same.	YES for store building. However some additional drawings are also attached.	
752	Price schedule- Item no. 19.0113	Firefighting Pump House	Please provide the drawings for FFPH	Will be finalised during detail engineering.	
753	Price schedule- Item no. 19.0113	Water tank	Please provide the drawings for water tank	Will be finalised during detail engineering.	
754	Technical Specification 5.3, Pg 65/782	Plinth Level	The plinth level for building is given 300mm in Technical Specifications where as 1.2 m in the drawings. Please clarify the same.	As per drawing. All drawing are indicative only.	
755	Price schedule- Item no 14.011-14.016 <b>DRAWING NO.</b>  NAC/AEGCL/CHHAY AGAON/EL-004 HDC/AGCL/MP/220/33 KV/NAG/SS-02	Tower & Gantry - Drawings	Towers type C3, C5 & B3, B5 beams type is mentioned in the price schedule. Please provide the standard drawings of these type of towers & beams.	Drawing if required shall be furnish during detail engineering.	

756	<b>DRAWING NO.</b> HDEC/AEGCL/CHHA YGOAN/220GIS/GA-005  NAC/AEGCL/CHHAY AGAON/EL-004  NAC/AEGCL/CHHAY AGAON/PLOT PLAN-002 NAC/AEGCL/CHHAY GAON/EL-004	Dimensions missing	The dimensions are not printed on the following provided drawings: 1). 220kV GIS Building Layout 2). Sectional layout 3). Plot Plan of Chhaygoan 4). Plan layout Chhaygoan	It is available in the drawings.	
757	General	Bus duct Foundation	There is no item for Bus duct Foundation in the price schedule. Please include the same. OR Kindly clarify under which item it will be paid for busduct foundation.	Please follow the updated BOQ.	
758	Technical Specification 13.6.2.12.1., pg 202	Equipment support structure	As per the mentioned clause Lattice or Pipe supports can be used for the equipment support structure. In this regards, we propose to use lattice structures for all outdoor equipment supports. Please confirm.	Pipe structure is for switchyard equipments. Addendum issued.	21

759	Civil Price schedule- Item no 22.066- Chayagoan	Store building	This item is listed in price schedule but is not shown in layout. Please clarify the same.	As per layout.	
760	Civil Price schedule- Item no 22.067- Chayagoan 22.067- Nagaon	Open Store shed	This item is listed in price schedule but is not shown in layout. Please clarify the same.	As per layout.	
761	Chayagaon Soil investigation report and Price Schedule- Civil Works-item no; 1) 22.23	Rain Water Harvesting	Form the soil report (Tender docs), the water table is found to at 0.5m down the existing ground level. Kindly confirm whether the RWH is needed as the water tabke is above.	Rain water Harvesting is required.	
762	Nagaon Soil investigation report and Price Schedule- Civil Works-item no; 1) 22.23	Rain Water Harvesting	Form the soil report (Tender docs), the water table is found to at 0.3m down the existing ground level. Kindly confirm whether the RWH is needed as the water tabke is above.	Rain water Harvesting is required.	
763	Civil Price schedule- Item no 22.22,22.23- Nagaon 22.22,22.23- Chayagoan	Car Parking Shed	We understand that for Car parking area of 500sqm there is no requirement of roof sheet. Please confirm.	Not accepted	

764	VOL-III: SLD: NAC/AEGCL/CHHYE GAON/SLD/003 R3		As per SLD for 33kV Indoor Panel, 2 nos of 2500A Load Break Switches are shown for bus-coupler bay. However Vol-II Chapter:9 does not cover any specification or requirement of 33kV LBS. Kindly confirm the requirement for the same & if required please furnish detailed specification for the same.	Bus-Sectionalizer is required.	
765	Item No. 2.03 - Insulators, hardware & Conductors - 2.033 & 2.034	<b>Price Sch-Supply &amp; Erection BOQ</b>	According to the attached Electrical Layout Plan & Section (220kV GIS Substation at Chaygaon, Assam, Doc No. NAC/AEGCL/Chaygaon/EL-004, Rev-03, Sheet 2 of 2), 33kV Tension or Suspension insulators have not been shown but have been considered in BPS. <b>Request you to kindly provide Section Drawings for better understanding.</b>	Yes. Please follow the updated BOQ.	
766	Item No. 17 - Lattice Structures (MS Steel) for incoming and outgoing gantries etc - 17.03 && 17.04	<b>Price Sch-Supply &amp; Erection BOQ</b>	According to attached Electrical Layout Plan & Section (220kV GIS Substation at Chaygaon, Assam, Doc No. NAC/AEGCL/Chaygaon/EL-004, Rev-03, Sheet 1 of 2 & 2 of 2), 33kV Columns (C5 as mentioned in BPS) & Beams (B5 as mentioned in BPS), has not been shown but considered	Location shall be finalised during detail engineering.	

			in BPS. <b>Request you to kindly provide Section Drawings for better understanding.</b>		
767	Item No. 2.03 - Insulators, hardware & Conductors - 2.039	<b>Price Sch-Supply &amp; Erection BOQ</b>	According to the attached Electrical Layout Plan & Section - 220kV GIS Substation at Chaygaon, Assam, Doc No. NAC/AEGCL/Chaygaon/EL-004, Rev-03, Sheet 1 of 2, no BPI is 8Nos. And 12Nos. BPI is required for 4Nos WT. Hence a total of 20Nos. 220kV BPI is required. But as per item no. mentioned 30Nos BPI are considered. <b>Request you to kindly confirm the requirement.</b>	As per updated BOQ.	
768	Item No. 4.02 - 33kV LA		As per the present scope in the section project, we have 2Nos. ICT Bays (33kV Side) & 12Nos. Line Bays. Hence, 42Nos (3 X 14Bays) 33kV SA are required instead of 30Nos 33kV SA mentioned in Price Schedule. <b>Request you to kindly confirm.</b>	As per updated BOQ	
769	Item No. 5 -Inductive CVT	<b>Price Sch-Supply &amp; Erection BOQ</b>	As per the item description - Inductive CVT is mentioned, as per our understanding it must be CVT.	Follow the updated BOQ.	

			<b>Request you to kindly confirm.</b>		
770	Item No. 16.017 - 16.022 - Earthing	<b>Price Sch-Supply &amp; Erection BOQ</b>	Items Mentioned - Separate Earthing for 245kV GIS Modules, GIS Buildings. We require Typical Drawings for captioned items. <b>Request you to kindly provide the Drawings.</b>	Separate earthing for GIS modules and GIS building is required. The bidder shall follow the recommendations of the GIS manufacturer.	
771		<b>Section-Project</b>	As per Tender Documents, a Separate SLD or Electrical Layout Plan & Section is not available for Nagaon - 2 S/s. So, we assume that the SLD of Chaygaon applies to Nagaon-2. <b>Request you to kindly confirm.</b>	No. Drawing will be uploaded	
772	Item Sl. No.SI No 8 :8.03 & 8.04	<b>Price Sch-Supply &amp; Erection BOQ</b>	As per SLD of Chaygaon - NAC/AEGCL/CHHAYEGAO N/SLD-003, the system fault level for 220kV Level is 50kA for 1Sec but as per the captioned item No., it is 50kA for 3Sec. <b>Request you to kindly confirm the rating.</b>	50kA for 3 sec	
773		<b>Section-Project</b>	As per Price Schedule, there is no line item mentioned for Lightning Mast but as per doc - 220kV GIS Substation at Chaygaon, Assam, Doc No. NAC/AEGCL/Chaygaon/EL-004, Rev-03, Sheet 1of 2 - 2Nos. LM has been considered in the Layout.	Please follow the updated BOQ.	

			<b>Request you to kindly confirm.</b>		
774	Vol.II, CHAPTER 2: INFORMATION TO BIDDERS (ITB), Clause No. 2.6.12	As per referred clause, Space for following 220kV present bays shall be provided at Nagaon-2 and Chaygaon station. Line bays: 2 nos. at each substation i. LILO of 220kV Samaguri – Jawaharnagar D/C at Nagaon-2. ii. 220kV Azara-Boko S/C at Chaygaon	We understand that Samaguri - Jawaharnagar is double circuit line. Hence, for LILO, 4 lines are required at Nagaon-2.  However, as BoQ - Supply_Sub_Nagaon 2, Sl No. 8.01, Only 2 nos. of 220kV line bays is mentioned.  As the requirements are contradicting, please check and confirm the actual number of 220kV present bays at Nagaon-2 station.	Under this package, it will be S/C LILO of the D/C TL between Samaguri and Jawaharnagar. Hence 2 nos of 220kV bay will only be required. Necessary Corrigendum will be issued.	3, 4
775	Vol.II, CHAPTER 2: INFORMATION TO BIDDERS (ITB), Clause No. 2.6.12	As per referred clause, Space for following 220kV future bay shall be provided at Chaygaon station. a) Line Bay - 2 Nos. b) ICT Bay - 2 Nos.	However, as per tender 220kV SLD & layout of Chaygaon station , the number of 220kV future bays are as follows: a) Line Bay - 4 Nos. b) ICT Bay -0 No.  As the requirements are contradicting, please check and confirm the actual number of 220kV future bays to considered for GIS hall dimension.	Future Bays for 220kV Chaygaon Sub Station shall be: a) Line Bay - 6 Nos. b) ICT Bay -1 No. Please refer to the corrigendum.	3, 4



776	Vol.II, CHAPTER 2: INFORMATION TO BIDDERS (ITB), Clause No. 2.6.12	As per referred clause, Space for following 220kV future bay shall be provided at Nagaon-2 station. a) Line Bay - 2 Nos. b) ICT Bay - 2 Nos.	However, as per tender switchyard layout of Nagaon-2 station , the number of 220kV future bays are as follows: a) Line Bay - 4 Nos. b) ICT Bay -1 No.  As the requirements are contradicting, please check and confirm the actual number of 220kV future bays to considered for GIS hall dimension.	The number of 220kV future bays are as follows: Line Bay- 6 Nos, ICT Bay - 1 No. Please refer to the corrigendum.	3, 4
777	Vol.II, CHAPTER 2: INFORMATION TO BIDDERS (ITB), Clause No. 2.6.12	As per referred clause, 33kV present bays at Chaygaon station are as follow: a) ICT - 2 Nos. b) Line bay - 12 Nos. c) Bus Sectionalizer bay: 1 No.	However, as per 33kV tender SLD, 33kV present bays are as follow: a) ICT bays - 2 Nos. b) Line bays - 6 Nos. c) Bus Sectionalizer bay: 1 Nos. d) Station Transformer bay : 2 Nos. e) Bus VT - 2 Nos.  And as per Switchyard layout & 33kV switchgear building layout, 33kV present bays at Chaygaon station are as follow: a) ICT bays - 2 Nos. b) Line bays - 6 Nos. c) Bus Sectionalizer bay: 1 Nos.	33kV present bays: 2 ICT bays, 6 line bays, 1 bus-section bay, 2 station service bay, 2 Bus VT bay. The 33kV VCB Indoor panel should be of atleast 15 unit. 6 line bays, 2 Transformer incomer, 1 bus section, 2 for statton transformer, 2 for PT bay & two numbers is consider as spare. The BOQ will be modified accordingly <b>Addendum issued</b>	3, 4, 26

			<p>d) Station Transformer bay : <b>1</b> Nos.</p> <p>e) Bus VT - 2 Nos.</p> <p>As the above specification &amp; drawings are contradicting, please check and furnish the actual number of 33kV present bays.</p>		
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778	Vol.II, CHAPTER 2: INFORMATION TO BIDDERS (ITB), Clause No. 2.6.12		<p>However, as per Switchyard layout &amp; 33kV switchgear building layout, 33kV present bays at Nagaon-2 station are as follow:</p> <p>a) ICT bays - 2 Nos. b) Line bays - 8 Nos. c) Bus Sectionalizer bay: 1 Nos. d) Station Transformer bay : 2 Nos. e) Bus VT - 2 Nos.</p> <p>And, as per BoQ Supply_Sub_Nagaon 2, Sl No. 1, the same is mentioned as 33kV,3 Phase, 13 Panel Indoor Drawn out type switchgear as per specification (Single bus with sectionalizer including 33kV PT)</p> <p>As the above specification &amp; drawings are contradicting, please check and furnish the actual number of 33kV present bays.</p>	<p>33kV present bays: 2 ICT bays, 6 line bays, 1 bus-section bay, 2 station service bay, 2 Bus VT bay. The 33kV VCB Indoor panel should be of atleast 15 unit. 6 line bays, 2 Transformer incomer, 1 bus section, 2 for statton transformer, 2 for PT bay &amp; two numbers is consider as spare. The BOQ will be modified accordingly <b>Addendum issued</b></p>	3, 4 , 26
779	Vol.II, CHAPTER 2: INFORMATION TO BIDDERS (ITB), Clause No. 2.6.12	<p>As per referred clause, Space for following 33kV future bay shall be provided at Chaygaon station.</p> <p>a) Line Bay - 6 Nos. b) ICT Bay - 2 Nos. c) Bus Coupler - 1 No.</p>	<p>However, as per tender switchyard layout of Chaygaon station, No 33kV future bays are shown in the 33kV switchgear &amp; control building.</p>	<p>Our requirement for 33kV Fututre bays shall be Line Bays: 6 Nos, Bus section : 1 No and ICT : 1 No. However after the preliminarary survey of the site, due to space constraint no</p>	

			As the requirements are contradicting, please check and confirm the actual number of 33kV future bays to considered.	future bays are shown. The bidder shall conduct their own survey after the award of contract and the space for 33kV future bays will be finalised during detail engineering.	
780	Vol.II, CHAPTER 2: INFORMATION TO BIDDERS (ITB), Clause No. 2.6.12	As per referred clause, Space for following 33kV future bay shall be provided at Nagaon-2 station. a) Line Bay - 6 Nos. b) ICT Bay - 2 Nos. c) Bus Coupler - 1 No.	However, as per tender switchyard layout of Nagaon-2 station, 33kV future bays are shown as follow: a) Line Bay - 8 Nos. b) ICT Bay -2 No. c) Bus Coupler - 2 No. d) Bus PT - 2 No.  As the requirements are contradicting, please check and confirm the actual number of 33kV future bays to considered.	The 33kV future bay shall be as follows a) Line Bay - 4 Nos. b) ICT Bay -1 No. c) Bus Coupler - 1 No. d) Bus PT - 1 No. Please refer to the corrigendum.	3, 4 , 26
781	Vol.II, CHAPTER 5: LAND DEVELOPMENT AND ASSOCIATED CIVIL WORKS, Clause No. 5.9 (a), Page No. 74	As per referred clause, "The size and layout of the building may be modified as per requirements of Single Line Diagram (SLD) with the approval of EMPLOYER."	In this regard, Please clarify that whether 245kV GIS building and 33kV switchgear & control room building dimension need to be followed as per tender drawing or the same can be optimized as per actual requirement ?	Please note that the drawings supplied indicative only for tender purpose. Buildings can be optimized as per actual requirement at the site.	

782	Vol.II, CHAPTER 7: GENERAL TECHNICAL CLAUSES FOR DESIGN, Clause No. 1.1.2, SI No. 9 Page No. 121	As per referred clause, minimum Clearances for 220kV & 33kV system are as follow: a) Phase to spacing for installation - 220kV - 4500mm & 33kV - 1500mm b) Ground clearances from lowest live terminal of equipment from ground level - 220kV - 7000 mm & 33kV - 4000 mm	However, as per 220/33kV GIS substation layout section drawing, the ground clearance for 220kV LA & CVT is shown as 5600mm whereas for 220kV isolator the ground clearance is indicated as 5900mm only. Further, as per 220/33kV GIS substation layout drawing, 220kV phase to phase distance (at Gantry) is shown as 4000mm only.  As there is a contradiction between specification and drawings, we shall follow the requirements as shown in the drawings, as these are standard clearances followed by utilities. Please confirm.	Clearances mentioned in the drawings may be followed.	
783	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI No.13.01		In the referred line item, the voltage grade of cable is not mentioned. We presume that the referred 1C, 1000 Sq. mm cable shall be suitable for 33kV Earthed system. Please confirm.	Please refer to the updated BoQ.	

784	220-33kV section drawing  BoQ - Supply_Sub_CHAYGAON / Supply_Sub_Nagaon 2 - SI No.13.01		We understand that 33kV cable shall be laid directly buried. Please confirm.	33kV Cable will be buried through cable trench	
785	BoQ - Supply_Sub_CHAYGAON / Supply_Sub_Nagaon 2 - SI No.13.02		Referred item is for 33kV cable termination. Please split the referred line item into two types as follows: a) Indoor type which shall be terminated inside the 33kV switchgear panel. b) Outdoor type which shall be terminated near take-off gantry for 33kV line connection.	BoQ will be modified accordingly.	
786	Drawing - 33kV Single line diagram - CHAYGAON	As per referred SLD, 33kV Outdoor pole mounted LA & isolator is shown for all 33kV outgoing bays.	However, there is no 33kV pole / Gantry is shown in the 220/33kV substation layout drawing.  Please check and update the CHAYGAON substation layout showing the location of 33kV pole/gantry.	The bidder needs to submit any modified drawings related to 33kV Outgoing feeders which will be finalised and approved by AEGCL during detail Engineering. All drawing enclosed in the bid are indicative and for tender purpose only.	

787	Vol.II, CHAPTER 20: TECHNICAL SPECIFICATION FOR XLPE CABLE WITH TERMINATION, Clause, No. 20.4, Page No. 493	As per referred clause, Inner sheath extruded PVC type ST2 for 33kV cable.	However, the same is not mentioned in the clause no. 20.5 - COMPOSITIONS OF CABLES.  In this regard, please check whether inner sheath is required for 33kV cable?	Inner Sheath is required for 33kV Cable.	
788	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 11 - Battery , Battery charger DCDB & ACDB		Please furnish the specification of LT switchgear as the same is not available in the tender documents.	For Battery and Battery Charger specifications, please refer to Chapter No 18 of Vol II of the bid. The specification of ACDB and DCDB will be finalised during detailed engineering.	
789	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 11 - Battery & Battery charger		As per referred line item, we understand that battery capacity shall be as per referred item. If during detail engineering, battery capacity is increased as per actual requirement, then the same shall be suitably compensated by AEGCL. Please confirm.	BoQ has been modified. Please follow the modified BoQ. No Cost shall be compensated by AEGCL for any modification during detailed engineering.	
790	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 11.05 - 48V Float cum boost charger 150Ah		As per referred line item, 48V battery charger rating is mentioned in the <b>AH</b> . However, Battery charger rating shall be in <b>ampere (A)</b> . Please check and issue suitable amendments.	The 48 V Battery charger should be of rating of minimum 48V, 50A capacity.	

791	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 22 - Lighting		In the referred line item description for indoor lighting, Residence & store shed are missing. Please check and include the same.	Please refer to necessary Corrigendum.	
792	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 23 - Public addressing system - CCTV	As per referred BoQ item, Public address system & CCTV shall be provided for the substation.	However, specification for same is not available. Please check and furnish the detailed specification with the following minimum requirement: a) Type of camera (Fixed or PTZ camera) b) Location of camera (indoor or outdoor)	For Indoor : Fixed Type, For Outdoor: PTZ type The Public Address System and CCTV's specifications will be finalised during detailed engineering.	
793	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 25.062 & 25.063 - Mandatory spare for 33kV control & relay panel	As per referred BoQ item, Distance protection relay & Differential relay shall be provided as mandatory spare of 33kV control & relay panel.	However, Vol. II, Clause no 14.51, Distance protection & differential protection are not required for 33kV bays. Please check and revise the mandatory spare list of 33kV control & relay panel.	Necessary Corrigendum will be issued and please refer to the BoQ which will be uploaded after the pre bid meeting.	26
794	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 2.029		Please furnish the technical specification of 220kV Bus post insulator as the same is not available in the tender specification.	BPI Specification will be finalized during detailed engineering.	



795	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 2.029		Please add a separate line item for 33kV bus post insulator and furnish technical specification for the same.	Not required. Please refer to the modified BOQ.	
796	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 9 - Supply, testing and maintenance equipment of GIS		Please furnish the technical specification for testing and maintenance equipment of GIS, as the same is not available in the tender specification.	Bidders are requested to submit a proposal encompassing the detailed technical specifications of reputed Manufacturers of the said equipments which are compatible with the GIS to be supplied. AEGCL will finalize the technical specifications during detailed engineering.	
797	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 11.02 - 220V, Dual float cum boost charger	As per referred clause, Quantity of 220kV, Dual float cum boost charger is 2 nos.	We understand that the term 'Dual' refers to Float & Boost operation in the same charger and hence the total quantity of Float-cum-boost charger shall be 2Nos. Please confirm.	Yes	

798	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 12 - Power line carrier communication equipment		Please clarify whether remote end PLCC is in present scope. If yes, Please add a separate line item in the BoQ	Yes. Please quote in the same line item of BOQ.	
799	BoQ - Supply_Sub_Nagaon 2 - SI NO. 12 - Power line carrier communication equipment	As per clause no. 2.6.12, i. LILO of 220kV Samaguri – Jawaharnagar D/C at Nagaon-2. and LILO of 220kV Azara-Boko S/C at Chaygaon. In this regard, Please clarify whether PLCC is existing at remote end (Samaguri – Jawaharnagar) & (Azara-Boko). If yes,	Please furnish the make & model no. of remote end PLCC.	Make Siemens Model SWT50/100 for all remote end substations.	
800	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 12.02 - Power line carrier communication equipment - Digital carrier equipment panel	In the referred line item 4Nos. of Digital carrier equipment panel is mentioned.	In this regard we understand that the same is carrier equipment for speech + Protection (2nos. for each line). As status of bay equipment to LDC & RCC is required, please add a separate line item for carrier equipment for speech + Data.	DPLCC should support and must be equipped with interfaces for data + speech and Digital Protection Coupler for implementing carrier protection scheme. Samaguri and Azara are AEGCL's Wide Band Location.	

801	BoQ - Supply_Sub_CHAYGAON / Supply_Sub_Nagaon 2 - SI NO. 25.01 & 25.02 - Mandatory spare for 245kV GIS		Please clarify whether 1 set of 245kV equipment mandatory spares refers to 1 number required for single phase equipment, as single phase module is offered for 245kV GIS. Please confirm.	Yes.1 set of 245kV equipment mandatory spares refers to 1 number required for single phase equipment.	
802	220kV single line diagram - CHAYGAON	As per referred SLD, 220KV GIS busbar side disconnector switches are shown without earth switch in both Line and transformer bay.	However, one common earth switch is required for both the bus bar side disconnector for maintenance. Hence please check and revise the SLD as well as BoQ line item description of 220kV GIS.	For maintenance of both the buses, One set of Disconnector with Earth Switch is provided in the PT Bay. However, the position of Earth Switch should be towards the Bus.	
803	220kV single line diagram - CHAYGAON	As per referred SLD, Bus -coupler bay isolator is shown with one earth switch only.	However, as per BoQ - Supply_Sub_CHAYGAON, SI No. 8.03, 4 Nos. of 3-Phase, 1-pole, group operated safety grounding switch is mentioned. Hence, isolator shall be with two earth switch instead of one earth switch. Please check and revise the SLD accordingly.	The bidders are requested to provide the disconnectors and earth switches as per their standard type tested GIS design. For any variation from the quantities mentioned in the BoQ, the price for the same shall be quoted in that line item considering their standard design.	
804	220kV single line diagram - CHAYGAON	As per referred SLD, Special energy meter (SEM) is mentioned in the 220kV transformer bay.	We understand that SEM as ABT trivector meter as per clause no. 14.14. Please confirm.	Yes.	
805	220kV single line diagram - CHAYGAON	As per referred SLD, metering core accuracy class is 0.2s.	However, as per specification, clause no. 14.14, ABT trivector meter accuracy class	The accuracy class of both CT and ABT	

			is 0.2 only. Generally the accuracy class of CT & Meter shall be the same. In this regard, please check and confirm the accuracy class of CT & ABT trivector meter.	Trivector Meter shall be 0.2s	
806	33kV single line diagram - CHAYGAON	As per referred SLD, Special energy meter (SEM) is mentioned in the 33kV incomer bay.	However, the same is not mentioned in the technical specification, clause no. 9.13.0. Please check and confirm whether special energy meter is required for 33kV incomer bay.  If yes, special energy meter shall conform to the requirements of ABT tri vector meter as mentioned in specification clause no. 14.14. Please confirm.	Yes. <b>Addendum issued.</b>	9
807	BoQ - Supply_Sub_CHAYGAON / Supply_Sub_Nagaon 2 - SI NO. 2.03 - Insulator & hardware		Please clarify whether long rod polymer insulators are acceptable for tension and suspension strings.	Not accepted. Necessary Corrigendum has already been issued.	
808	BoQ - Supply_Sub_CHAYGAON / Supply_Sub_Nagaon 2 - SI NO. 14 & 15 - LT power cable & LT control cable		Please furnish the technical specification for LT power cable & control cable mentioning the following minimum requirement: a) Material of conductor (copper / Aluminium) b) Insulation c) Armoured / Unarmoured	a) Copper b) XLPE c) Armoured d) Inner Sheath required of Copper e) Outer Sheath required of PVC.	

			d) Inner sheath e) Outer sheath		
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809	<p>CHAPTER 11: TECHNICAL SPECIFICATION FOR STATION TRANSFORMERS, clause no.11.5.5 TECHNICAL DATA SHEET FOR TRANSFORMERS, SI No.12</p> <p>BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 3.01 - 250kVA, 33/0.433kV station transformer, including clamp &amp; connector with energy efficiency level- III, BIS, class-II</p>		<p>Losses mentioned in the referred specification for station transformer are pertaining to that of Level 1 as per IS 1180. But as per BPS line item description, the same is mentioned as Level 3. Please check and eliminate the discrepancy.</p> <p>As the loss figures are amended vide Gazette notification, we request AEGCL to instruct all Bidders to follow the loss figures as per the Amendment issued vide Gazette notification dated 16-12-2016.</p>	As per Bid. Please refer to the updated BoQ.	
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810	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 8 - 245kV GIS equipment		We understand that LT power & control cable between GIS to LCC shall be included in the GIS line item. It shall not be paid under BoQ line item SI No. 14 & 15. Please confirm whether bidder understanding is in order.	Yes	
811	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 14		We understand that LT power cable between MLDB to indoor & outdoor lighting panel shall be paid under referred line item. However, LT cable between lighting panel to fixture shall be considered under BoQ line item, SI No. 22- Lighting. Please confirm whether bidder understanding is in order.	Yes	
812	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 22 - Lighting		We understand that outdoor lighting is required only for present scope of area and outdoor light fixture can be mounted on Lightning mast (LM), Towers & building. Please confirm.	BoQ has been modified. Please Follow the updated BoQ. Outdoor Lighting shall cover the entire area including the future bay areas. Yes Lighting fixtures can be mounted on LM,Towers and buildings.	
813	BoQ - Supply_Sub_CHAYGA ON / Supply_Sub_Nagaon 2 - SI NO. 24 - Lightning protection		We understand that lightning protection shall be provided only for present scope of work. Lightning protection can be covered with Lightning mast (LM), Towers & shield wires as required for present scope.	Lightning Protection shall cover the future line bays also.	

			However, as per 220-33kV GIS plot plan of Chayagaon & Naogaon-2, Lightning mast (LM) is shown for future line bays also. In this regard, we shall consider LM only present scope of work. Please confirm.		
814	BoQ - Supply_Sub_CHAYGAON / Supply_Sub_Nagaon 2 - SI NO. 25 - Mandatory spare		Mandatory spare shall be provided as per BoQ only. If any mandatory spares are mentioned in the technical specification apart from BoQ, the same shall not be considered in the bid. Please confirm.	The Mandatory spare shall be provided as per BOQ as well as Technical Specifications. If any particular item is found missing in the BOQ, the same shall be quoted along with the main item.	
815	BoQ - Supply_Sub_CHAYGAON / Supply_Sub_Nagaon 2 - SI NO. 11.04- 48V VRLA type battery bank		Please specify the backup duration of continuous DC load and Intermittent DC load for 48V battery sizing, as the same is not mentioned in the CHAPTER 19: Technical Specification For PLCC & 48V DC Battery And Charger	There maybe a maximum load of 20Amps for all Communication Equipment running at 48V DC.	
816	Drawing - 220-33- plan - Layout - CHAYGAON station	As per referred drawing, It is mentioned that " For these bays, OHT has to be dismantled ".	In this regard, Please clarify the following: a) Whether OHT dismantling is in present scope. If yes, Please add a separate line item in the BOQ and furnish the OHT drawing. b) OHT tower shall not be in energized condition at the handover the substation land. c) We are not envisaging re-	Dismantling OHT is not in the scope of this BID.	



			routing of any overhead line in the present scope.		
817	Drawing - Switchyard layout - Nagaon-2 station & Switchyard Layout with Quarter details	In the referred layout drawing, rerouting of 33kV & 11kV lines are shown.	In this regard, we understand that the rerouting scope is not in the scope of this package. Further, we do not envisage any scope related to dismantling works. Please confirm.	Within the scope of the Bidder.	
818	Specification for Lighting system		Please furnish technical specification for Indoor & Outdoor Lighting system	The technical specification shall be finalised during detail Engineering.	
819	Contour for Chayagaon		The contour layout plan for substation portion is missing for Chayagaon substation. Only the contour plan for residential area is available. Please check and furnish the contour layout for substation area also.	Will be uploaded.	
820	Layout for Lighting system		Lighting system layout is furnished only for Naogaon-2 substation along with the tender drawings. Please furnish the lighting layout for Chayagaon substation also.	The lighting system shall be decided during detail engineering for both Nagaon 2 and Chyagaon	
821	220kV GIS building for Naogaon-2 substation		Please furnish the 220kV GIS Building layout for Naogaon-2 substation.	Will be uploaded after pre bid meeting.	

822	<p>Vol-III-Drawings- Chaygaon Chaygaon plot plan(Residential area) Drg. No: NAC/AEGCL/CHHAY GAON/PLOT PLAN- OO2, Chaygaon contour plan(Residential area) Drg. No: NAC/AEGCL/CHHAY GAON/CONTOUR PLAN-OO1 &amp; Chaygaon plot plan Drg. No: NAC/AEGCL/CHHAY GAON/PLOT PLAN- OO2</p>		<p>Plot plan and contour layout is provided for residential area. For substation area, only plot plan is provided.</p> <p>Please provide the contour layout for substation area, in order to assess the fill depth and decide the foundation type &amp; depth.</p>	Will be uploaded	
823	<p>Vol-II-Chapter-5, Pg no: 77 of 782 &amp; Price schedule(Erection) 5.9 h &amp; Sl no. 22.061, 22.063 to 22.066</p>		<p>In specification, finishing schedule for control room building is provided. However, finishing schedule for other buildings (i.e: GIS Building, RE's Residence, Office's Hostel / Transit Camp, Staff Hostel and quarters and Store Building) not provided.</p> <p>Please furnish the same, in order to estimate the finishing quantities.</p>	Refer clause 5.9 f	

824	Vol-III-Drawings- Naogaon, Boundary wall & fencing Drg. No. HDEC/AEGCL/MP/220 -33KV/NAG-SS/B WALL/ 07 -	<p>In the referred drawing, switchyard fencing is shown in the switchyard area and compound fencing is shown around the residential area.</p> <p>In price schedule, item for switchyard fencing is included.</p>	<p>However item for compound fencing is not included.</p> <p>We trust that, compound fencing is not in bidder scope. Please confirm.</p> <p>If in bidder scope, Please include item for the same in price schedule. Also so furnish the drawing for the same.</p>	Entire AEGCL campus comprises of boundary wall only. Internal demarcation or partition are proposed with security fencing.	
825	Vol-II-Chapter-5, Pg no: 508 of 782 & Price schedule(Supply) 6 A & Sl no. 17	<p>As per price schedule, lattice structures (Column &amp; beam) are paid in number basis.</p> <p>It is mentioned in the specification that, detail drawings for the structures shall be supplied to the successful bidder by the Employer/Engineer.</p>	Please furnish the structure drawings, in order to assess the weight of the structure as the same is paid in number basis.	The type of Column and beam are specified in the BOQ. The respective weight shall be calculated by the bidder considering the type of column and beam. The structural drawing shall be prepared by the Bidder and the same shall be approved by AEGCL during detailed Engineering. However any shortage in quantity during commissioning shall be not be borne by AEGCL	

826	Vol-III-Drawings- Naogaon, Existing substation plot area Drg. No. HDEC/AEGCL/MP/220 -33KV/NAG-SS/MP 04A -		<p>We understand from the referred drawing, 2 Nos. of abandoned APDCL quarters are exist in the proposed substation area.</p> <p>We trust that, dismantling of the same is not in the bidder scope. Please confirm.</p> <p>If in bidder scope, please include item for dismantling in price schedule. Also, provide the drawings (if available).</p>	Not required.	
827	Vol-II-Chapter-5, Pg no: 85 of 782 & Vol-III- Drawings-Cable trench D Type Drg. No. AEGCL/AIIB/PACKA GE A/44 5.13 a	It is mentioned in referred clause that, clear (vertical) space of at least 300 mm shall be available for each tier in cable trench and from trench bed to lowest tier, a minimum clearance 300 mm for trenches having more than one tier.	<p>However in the cable trench drawing, 200mm space shown between the tier and 150mm shown from trench bed to the lowest tier.</p> <p>Please clarify which to be followed.</p>	<p>Please refer as per drawing. Addendum issued</p>	15
828	Vol-II-Chapter-5, Pg no: 508 of 782 & Price schedule(Supply & Erection) 6 A & 17.05 & 14.017 & 14.021 to 14.026		<p>As per price schedule we understand that, equipment support structure shall be pipe type.</p> <p>In supply schedule, pipe structure item is given in lump sum basis.</p> <p>However in erection schedule, item for the same is given in lump sum basis as well in number basis. Please clarify.</p>	The exact quantity cannot be ascertained at present. The successful bidder shall calculate the actual quantity and it shall be approved by AEGCL during detailed engineering. However any shortage in quantity during commissioning shall be not be borne by AEGCL.	

829	Vol-III-Drawings- Chaygaon Chaygaon plan layout Drg. No: NAC/AEGCL/CHHAY GAON/PLOT PLAN- OO4	In the referred layout, 1 no over head tower shown with in the plot area.	We trust that, dismantling of the same is not in bidder scope. Please confirm.	Not required.	
830	PACKAGE-B VOKLUME -II 5.26 High Velocity Water : 5.26.1 Scope- fire protection and firefighting system. Page no 102 & 103 of 782.	As per referred clause specification covers design, engineering, supply, delivery, erection, testing and commissioning of fire protection and firefighting system for equipment, pump house, Control Room Buildings, Diesel Generator room etc. at different Sub-station.	As per input Drawing No; HDEC/AEGCL/MP/220- 33KV/NAG - SS/ LIGHTING /09 which is shown civil & electrical scope of work for other building But the same building mechanical scope such as fire protection & firefighting system (hydrant ,FDA & Extinguisher system is not said in specification & price schedule for the following area 1) Officer Hostel, 2) Staff Hostel, 3) Security Barrack, 4) Guard room (Security Booth), 5) RE, Residence, 6) Store building, 7) Recreation center (Nagaon- 2) 8) 33kv Switch gear room (Chaygaon) 9) car parking Kindly clarify, If required Fire fighting system for above	Necessary Corrigendum will be issued and BoQ will be modified. Portable Fire Extinguishers shall be required for all the mentioned buildings.	

			<p>building than include the line items in price schedule as well as specification. Please confirm.</p> <p>SYSTEM For existing Sub Station, and the same is not in the price schedule. If required fire extinguisher system as per TAC- NFPA-NBC Norms than include the line items in price schedule.Kindly clarify.</p>		
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831	<p>PACKAGE-B VOLUME -II 5.26 High Velocity Water : 5.26.1 Scope - b &amp; c 5.26.17 PORTABLE AND WHEEL/TROLLEY MOUNTED FIRE EXTINGUISHERS Page no 114 &amp; 115 of 782.</p>		<p>As per referred clause, mentioned that, The following types of fire extinguishers shall be within the scope of supply for a) 400/220/132 KV Switchyard Control Room Building &amp; b) 400/220/132 KV Switchyard equipment area and the same is not in the price schedule. If required fire extinguisher system as per TAC- NFPA-NBC Norms than include the line items in price schedule. Kindly clarify.</p>	<p>Follow the updated BOQ. Addendum issued</p>	<p>2, 26</p>
832	<p>PACKAGE-B VOLUME -II 5.26 High Velocity Water : Scope 5.26.16 B) FOR 220/132/33KV &amp; 132/33KV SUB- STATION HEAT &amp; SMOKE /FIRE DETECTORS AND SPRAY NOZZLES: Page no 114 of 782.</p>		<p>As per the referred clause FDA system need to be provide only for control room building, GIS hall with relay panel room, Indoor Switchgear room, Corridor and Toilets. Hence we are not considering any Fire alarm panel &amp; annunciation panel in the present scope of work. Kindly check &amp; confirm our understanding is correct.</p>	<p>Please follow the updated BOQ.</p>	<p>26</p>

833	PACKAGE-B VOLUME -II 5.26 High Velocity Water : Scope 5.26.1- scope. a) Fire Detection System. Page no 102 of 782.		Kindly clarify the Type of FDA (whether conventional or Addressable type) system for the building to be considered.	Conventional type	
834	GIS SUB NAGAON.2 - Annexure-I SCHEDULE OF QUANTITY (SUPPLY) INCLUDING MANDATORY SPARE PARTS FOR 220/33KV NAGAON 2 GIS. SL NO.19.0.1		As per referred clause price schedule called ,Fire Alarm & Detection system for 245kV GIS Buildings & Control Room building only. kindly clarify and confirm.	Please follow the updated BOQ.	26
835	PACKAGE-B VOLUME -II 5.26 High Velocity Water : Scope 5.26.7- WATER SUPPLY SYSTEM, A& B) FOR 220/132/33KV & 132/33KV SUB- STATION		As per the referred clause it is mentioned that, separate annunciation panel to be consider for hydrant system instead of that, we will provide combined HVWS + hydrant system) annunciation control panel in FFPH room. Kindly check & confirm our understanding is correct.	Yes	



836	General		Please provide approved or preferred Make list of Fire protection, Detection & Alarm system.	The Bidder shall propose the Make list which will be approved by AEGCL during detailed engineering.	
837	Guaranteed Technical Particulars Annexure-A - GTP, 12. FIRE PROTECTION AND FIRE FIGHTING SYSTEM.SL NO: 2, A and B.		<p>As per referred clause, mentioned</p> <p>a) Automatic HVW/MVW spray type Fire Protection System, in that we had considered only HVWS system for Transformer/Reactor &amp; MVWS system is consider since the cable cellar is not in present scope Please confirm our understanding is correct.</p> <p>b).Automatic hydrant type Fire Protection System in that we had considered hydrant valve operated through manual only as per spec. not in automatic system. Please confirm our understanding is correct.</p>	<p>a) HVWS system shall only be considered.</p> <p>b) The HVWS system shall be an Automatic System.</p>	

838	<p>PACKAGE-B VOLUME - II, CHAPTER 3: DRAWINGS AND DOCUMENTS &amp; PRICE SCHEDULE ANNEXURE-I: SL, NO 8, Substation HVAC System, Page no 44 of 782 &amp; PRICE SCHEDULE SLNO, 18.02</p>		<p>As per referred clause, mention that, ventilation system, we had considered the following :</p> <p>1) 400/220/132 KV GIS Room - We had consider pressurized Ventilation System with Centrifugal Fan ( 1W +1SB). and related Accessories should comprise of Pre and Fine air filter, Air Purifier, centrifugal fan, ducting network, air supply grilles, gravity dampers, electrical and instrumentation etc and exhaust through pressure relief damper.</p> <p>2) 33 kV switchgear room (Chaygaon) : We had consider fresh air supply through with louver with filter &amp; wall mounted tope axial fan w/o ducting and extract through exhaust louver, Please confirm. if required please include line item in price schedule.</p> <p>3) Supply through louvers with filter &amp; Exhaust through bifurcated (acid proof) tube axial fan ( 1W +1SB). Please confirm. if required please include line item in price schedule.</p>	Confirmed	
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			4) Fresh air through Louver / Door transfer grille & Exhaust through Propeller fan with louver shutter for cable trench Kitchen / Pantry, Lockers & Toilet. Please confirm. if required please include line item in price schedule.		
839	General : 400/220/132 KV GIS Room ground floor.		We had Considered pressurized ventilation for GIS hall with 4ACH and exhaust through Motorized pressure relief damper. Accordingly provide the detail spec. Please confirm.	Will be finalised during detail engineering.	

840	PACKAGE-B VOLUME - II, CHAPTER 3: DRAWINGS AND DOCUMENTS & PRICE SCHEDULE ANNEXURE-I: SL, NO 8, Substation HVAC System, Page no 44 of 782 & PRICE SCHEDULE SLNO, 18.01		As per referred clause, mentioned that, Air- conditioning system, We presume that we need to consider 2TR split AC units with suitable stabilizer with 5 Star rating along with timer mode operation and working with N+2 Configuration etc., for the following room Conference Room, Admin Room-1, Admin Room-2, Admin Room-3, Battery Room, Digital PLCC Room, SCADA & CRP Room, Office Room-1 and Office Room-2.	Yes	
841	PACKAGE-B VOLUME - II, CHAPTER 3: DRAWINGS AND DOCUMENTS & PRICE SCHEDULE ANNEXURE-I: SL, NO 8, Substation HVAC System, Page no 44 of 782 & PRICE SCHEDULE SLNO, 18.01 & 18.02	As per referred clause, battery room called for both Ventilation system & Air-conditioning system.	Please check and confirm whether both system are required or not .please clarify.	Ventilation system required.	

842	<p>PACKAGE-B VOLUME -II SL,NO 8, Substation HVAC System, Page no 44 of 782 &amp; PRICE SCHEDULE SLNO,18.01 &amp; 18.02</p>	<p>As per referred clause specification covers design, engineering, supply, delivery, erection, testing and commissioning of AC system for conference Room, Admin Room-1, Admin Room-2, Admin Room-3, Battery Room, Digital PLCC Room, SCADA &amp; CRP Room, Office Room-1 and Office Room-2.</p> <p>ventilation system for .400/220/132 KV GIS Room. 33kv switch gear, battery room &amp; Kitchen / Pantry, Lockers &amp; Toilet.</p>	<p>As per input Drawing No; HDEC/AEGCL/MP/220-33KV/NAG - SS/ LIGHTING /09 which is shown civil &amp; electrical scope of work for other building But the same building mechanical scope such as fire protection &amp; firefighting system (hydrant ,FDA &amp; Extinguisher system is not said in specification &amp; price schedule for the following area</p> <ol style="list-style-type: none"> <li>1) Officer Hostel,</li> <li>2) Staff Hostel,</li> <li>3) Security Barrack,</li> <li>4) Guard room (Security Booth),</li> <li>5) RE, Residence,</li> <li>6) Store building,</li> <li>7) Recreation center (Nagaon-2)</li> </ol> <p>Kindly clarify, If required HVAC for above building than include the line items in price schedule as well as detail specification. Please confirm.</p> <p>SYSTEM For existing Sub Station, and the same is not in the price schedule. If required fire extinguisher system as per TAC- NFPA-NBC Norms than</p>	<p>HVAC system Not required.</p>	
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			include the line items in price schedule.Kindly clarify.		
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843	PROPOSED 220/33 NAGAON (2) GIS SS AT SOLMARI SWITCH YARD WITH QUARTER DETAILS HDEC/AEGCL/MP/220 -33KV/NAG - SS/SW. YARD-QUARTER/01A		As per input Drawing No; HDEC/AEGCL/MP/220- 33KV/NAG - SS/SW. YARD- QUARTER/01A. Ventilation system AHU room not shown in 400/220/132 KV GIS Room .Please provide AHU room (size 07.0m L x 5.0m W x 5m.H) GIS Hall for ventilation system	AHU room required and has been shown in the updated drawing.	
844	Commercial schedules Station wise & Line wise price schedule		Station wise & Line wise price schedule provided in the tender. Please confirm whether AEGCL will accept station wise & line wise taking over and all the payment & DLP will start Station wise & Line wise.	Taking Over will be considered only after the completion of Both the Sub Station and the Associated Lines together.	
845	Price Schedule Erec_line_Chaygaon Erec_Line_Nagaon 2		We understand supply of earthing and grounding shall be quoted in Erection Schedule in item no. 4.0	Yes	
846	Price Schedule Supply Line_Chaygaon		In Item no. 1.121 & 1.122 , Required Quantity is mentioned in decimals. Being unit in set, we understand Required Quantity shall be in absolute numbers. Please arrange to amend the price schedule.	Please follow the updated BOQ.	

847	Price Schedule Supply Line_Chaygaon & Supply_line_Nagaon2		Since Stub shall be quoted in sets. We requests you to provide the weight of Stubs for bidding purpose.	Please refer the already modified BoQ.	
848	Chaygaon - BOQ Sr.No 8 & Drawing No. Drawing No : 1) NAC/AEGCL/CHHAY EGAON/SLD-003		As per referred BOQ Sr.no, Rated short circuit current of 220kV system is mentioned as 50kA for 3sec. However, as per 220kV SLD, Rated short circuit current is mentioned as 50kA for 1sec. In this regard, Please confirm the duration of short circuit current of 220kV system.	50kA for 3 sec	
849	Chaygaon, Nagaon - BOQ Sr.No :8.04		As per referred BOQ item, separate LCC for bus VT is mentioned. However, as all bus VT connections can be wired in Bus coupler LCC, we presume bus VT LCC is optional and the same is accepted by various state and central utilities.	Accepted	
850	Chaygaon - BOQ Sr.No 8		As per referred BOQ item, 3 Phase CB, ES & DS are mentioned. Kindly accept Three /single phase CB, ES & DS. Further, ES and DS mechanism is gang operated, which is being accepted and approved by most of state and central utilities.	Please follow the modified BOQ	



851	Chaygaon, Nagaon - BOQ Sr.No :8.04		As per referred BPS item, we understand online partial discharge monitoring system shall be provided for the proposed stations. In this regard, kindly furnish the detailed specification of "online partial discharge monitoring system".	Will be finalised during detail engineering.	
852	Chaygaon, Nagaon - BOQ Sr.No :25.01, 25.02		As per BPS item sr. no - 25.01, separate drive mechanisms are mentioned for spares of Circuit breaker, disconnecter and Earth switches. Hence, we request you to recheck the requirements of complete drive mechanism items mentioned under BPS item sr. no - 25.02.	Please follow the updated BOQ.	
853	Chaygaon, Nagaon - BOQ Sr.No : 25.02		As per referred BPS item, <i>Closing dashpot, opening dash pot, opening catch gear, closing dash gear</i> are may not applicable for GIS. Kindly check and confirm the requirements.	As per BOQ.	
854	BOQ 14.012, 14.015 (erection Portion) Substations	Construction of foundations for lattice steel columns 'C3' including supply of all foundation materials and labour	Quantities are mentioned in Nos. including all material. However civil drawings and soil investigation provided with tender documents for cost estimation. On the other hand, soil investigation item is also mentioned in Erection BOQ at item no. 22.01. If SBC is given for estimation the same may be frozen for civil estimation while project execution. In	As per the provision of the BID.	

			case if the actual SBC varies beyond a limit envisaging increase in foundation volume, the differential amount for extra foundation volume may be paid as per Assam state civil SOR ( updated upto 2019 ) or latest DSR.		
855	TS-GIS	Generally any failure shall have impact only on the direct related devices and the rest of the substation shall remain in normal operation.	For the offered 132 kV GIS, during CB maintenance both the busbars shall remain in operation. During busbar disconnector maintenance, one of the busbar shall remain in operation. However, the adjacent feeders shall be out of service. We request customer to kindly accept the offered solution.	As per bid	
856		145kV Panel room	Kindly confirm the air conditioning requirements of 145kV panel room where CRP & LCP are placed. Also add in the BOQ	Required.	
857	Contour Map	Tender Documents	Kindly request to provide the contour map for the proposed substation plot, since it is missed in the tender documents which is required to identify the depth of filling for proposed substation structures while calculating foundation quantity.	Will be uploaded	

858	Area of Building	Dwg: NAC/AEGCL/BURHIGAON/33SC R/ARCH-007 NAC/AEGCL/BURHIGAON/132GI S/ARCH-006 NAC/AEGCL/BURHIGAON/GR/A RCH-008 NAC/AEGCL/BURHIGAON/OH/A RCH-010 NAC/AEGCL/BURHIGAON/SB/A RCH-009	We understand that all the buildings (Switchyard & CRB, 220kV GIS building, guard room, officers hostel & security barrack) needs to be quoted as per drawings attached in tender documents. Incase if there is any increase in the building size during execution will be paid us additional to the contractor, Please confirm.	All drawings enclosed along with the Bid are indicative and for tender purpose only. However, the contractor will required to produced all related drawing for approval from AEGCL. There may be deviation during detail engineering and no extra cost will be borne by AEGCL.	
859	33kV Tower C5 & Girder Beam B5	Dwg: NAC/AEGCL/BURHIGAON/PLOT PLAN-002 and Price Schedule- Erection-item no; 1) 14.014 2) 14.016	We didn't find 33kV Tower (C5) and beam girder (B5) in the layout drawing whereas the same is included in refered clause of price schedule. Please clarify.	Please follow the price schedule	
860	Location of 33kV Tower C5 & Girder Beam B6	Dwg: NAC/AEGCL/BURHIGAON/PLOT PLAN-002	Incase we need to provide 33kV towers, kindly provide the location in the layout.	Location shall be finalised during detail engineering.	
861	RE's Building & Officers Hostel	Dwg: NAC/AEGCL/BURHIGAON/OH/A RCH-010 Price Schedule-Civil Works- item no; 1) 22.063 2) 22.064	The RE's Building and Officer's hostel are in one building whereas in the price schedule they are given as two separate items. Kindly provide them in an single item in the price schedule.	Kindly quote as single building as per drawing. Please follow the updated BOQ.	
862	VOL-III: SLD: NAC/AEGCL/BURHIGAON/SLD/003 R3		As per SLD for 33kV Indoor Panel, 2 nos of 2500A Load Break Switches are shown for bus-coupler bay. However Vol-II Chapter:9 does not cover any specification or requirement of 33kV LBS. Kindly confirm the	Bus-Sectionalizer is required.	

			requirement for the same & if required please furnish detailed specification for the same.		
863	Single Line Diagram: NAC/AEGCL/BURHIA GAON/SLD/-003, Rev.03 1. CVT(Bus) 2. TRF-3	1. CVT(Bus) 2. TRF-3	1. CVT is not applicable for this GIS project and it should be EMVT. Please confirm 2. TRF-3 shown as dotted line and in BOQ there is no line item. Please confirm that for this ICT-3 bay needs to be considered/supplied?	1. Accepted. 2. NO	
864	Layout Plan: NAC/AEGCL/BURHIA GAON/132 GIS/GA- 005, Rev.03	Layout Plan: NAC/AEGCL/BURHIAGAON/132 GIS/GA-005, Rev.03	Please confirm us the scope of ICT-3 bay, as the same is not	ICT -3 is the future provision and no supply is required.	
865	BOQ BOQ_26483 C BOQ SL No :8.04 B U S V T L C C	L C C is required for Bus V T	We would like to inform you as per our standard practice the separate LCC for Bus VT is not required as we wire all the connection of Bus VT with Bus coupler LCC and the same is accepted to various state and central utilities. Kindly confirm the same.	Yes	

866	BOQ BOQ_26483 C BOQ SL No- 25.0122 132 kV GIS Line & Trafo bays Earthing Switch	Only one set of earthing switch is mentioned	We would like to inform you that, two number of earthing switches are required; one between the Bus side disconnector & circuit breaker and other one between Circuit breaker and line side disconnector. Kindly confirm the same.	The bidders are requested to provide the disconnectors and earth switches as per their standard type tested GIS design. For any variation from the quantities mentioned in the BoQ, the price for the same shall be quoted in that line item considering their standard design.	
867	BOQ BOQ_26483 C BOQ SI No -8.07 EOT Crane	5 Ton EOT crane.for 132kV GIS building	The EOT crane is not in GIS supply scope, it is in EPC scope. Kindly confirm the same.	It is in EPC scope	
868	BOQ_26483 C BOQ SI No -8.01 & Drawing No.NAC/AEGCL/ Burhigaon/SLD-003 145kV GIS STC withstand rating	In BOQ, 40kA for 3 sec is mentioned. In SLD, 40kA for 1 sec is mentioned	There is discrepancy in the SLD & BOQ rating Kindly clarify the same.	40kA for 3 Sec. As per BOQ.	
869	SLD Drawing No- NAC/AEGCL/ Burhigaon/SLD-003 For 145kV GIS SLD of Burhigaon -		We would like to inform you that, as per the SLD, the future bays are shown between bays which under present scope. However for the better flexibility of layout, we shall consider the future bays at one side of GIS under present	Accepted	

			scope. Kindly accept the same.		
870	TS Pg. 311 of 782 Pressure Vessel Code	Each, housing is subject to a pressure and gas tightness test and complies with the requirements of the relevant CENELEC standard	We would like inform you that, as material code is country based codes. For pressure vessel code, we follow KS-D6008 with equipment EN code (ENAC-42100).also we will conduct all the pressure test for enclosure as per the Cl.6.103-IEC-203-2011. Kindly accept the same.	Accepted	
871	BOQ BOQ_26483 C 9.07 Special Tools	Video Borescope required in special tools list.	We would like to inform you that, the mentioned Special tool shall not be in GIS scope of supply Kindly accept the same.	Under Bidder's scope	
872	132kV SLD SLD package C Current Rating	For 132kV GIS current rating given in BOQ is 2000 Amp. While in SLD 3150 Amp	Discrepancy in data between BOQ and SLD. Kindly clarify the same.	As per BOQ	
873	PKGAVOLII	Clause Scope of works 2.6.12	We understand that the Burhigaon substations will be connected to grid substations. Connections to power plant substations are not envisaged. Please confirm our understanding.	Yes	

874	132kV SINGLE LINE D44 /Price schedule supply_Sub_BURHIGA ON - GIS specification Chapter 16	Dwg no - NAC/AEGCL/BURHIGAON/SLD- 003/REV 03 & Specification clause no 16.4 & Price schedule item 8.04	As per Price schedule, item number 8.04 and GIS specification Chapter 16 clause 16.4 bus bar current rating for 132kV GIS is 2000Amp. However as per 132kV single line diagram “132kV GIS bus current rating is 3150 Amp”. As there is ambiguity in the bus current rating specified in the above referred documents, please clarify the actual requirement.	AS per BOQ	
875	- 132kV SINGLE LINE D44 /Price schedule supply_Sub_BURHIGA ON - GIS specification Chapter 16	Dwg no - NAC/AEGCL/BURHIGAON/SLD- 003/REV 03 & Specification clause no 16.4_sl no 4 & Price schedule item 8.01, 8.02 and 8.03	As per Price schedule, item number 8.01, 8.02 and 8.03 and GIS specification Chapter 16 clause 16.4, circuit breaker current rating for line bays, Transformer bays and bus coupler bay is 2000Amp. However as per 132kV single line diagram “132kV GIS circuit breaker rating for line bays, Transformer bays and bus coupler bay is 3150 Amp”. As there is ambiguity in the above current rating of the Circuit Breaker for line bays, Transformer bays and bus coupler bay specified in the above referred documents, please clarify the actual requirement.	AS per BOQ	

876	132kV SINGLE LINE D44 /Price schedule supply_Sub_BURHIGAON - GIS specification Chapter 16	Dwg no - NAC/AEGCL/BURHIGAON/SLD-003/REV 03 & Specification clause no 16.4 & Price schedule item 8.01, 8.02 and 8.03	As per Price schedule, item number 8.01, 8.02 and 8.03 and GIS specification Chapter 16 clause 16.4, Isolator current rating for line bays, Transformer bays and bus coupler bay is 2000Amp. However as per 132kV single line diagram "132kV GIS Isolator current rating for line bays, Transformer bays and bus coupler bay is 3150 Amp". As there is ambiguity in the above current rating of the Isolator for line bays, Transformer bays and bus coupler bay specified in the above referred documents, please clarify the actual requirement.	AS per BOQ	
877	- 132kV SINGLE LINE D44 /Price schedule supply_Sub_BURHIGAON - GIS specification Chapter 16	Dwg no - NAC/AEGCL/BURHIGAON/SLD-003/REV 03 & Price schedule item 8	We understand in case of any conflict in supply price schedule, 132kV GIS single line diagram and GIS specification with respect to "equipment's parameters and ratings", bidder shall follow the supply price schedule. Please confirm our understanding.	Yes	
878	-132kV SINGLE LINE D44 132-33kV PLAN LAYOU40	Dwg nos - NAC/AEGCL/BURHIGAON/SLD-003/REV 03 & NAC/AEGCL/BURHIGAON/EL-004/REV 03	As per 132kV GIS single line diagram and layout, one number 132/33kV ICT bay -3 (future bay) is shown in middle of present bays. We request that all future bays shall be located "either side of	Confirmed	



			132kV GIS present bays'' as per manufacture recommendations and technical feasibility. Please confirm our request.		
879	-132kV SINGLE LINE D44 132-33kV PLAN LAYOU40	Dwg nos – NAC/AEGCL/BURHIGAON/SLD-003/REV 03 & NAC/AEGCL/BURHIGAON/EL-004/REV 03	We understand that 132kV present line bays gantry location is firm in tender layout. In case of any change in bay sequence during execution stage, the increase of indoor GIB length from tender stage will be paid extra by AEGCL. Please confirm our understanding.	Drawings uploaded are indicative and for tender purpose only. No extra cost implementation will be borne by AEGCL.	
880	-132kV SINGLE LINE D44 132-33kV PLAN LAYOU40	Dwg nos – NAC/AEGCL/BURHIGAON/SLD-003/REV 03 & NAC/AEGCL/BURHIGAON/EL-004/REV 03	We understand that, bidder can optimize the 132kV GIS building and 33kV switchgear & control room building size subject to compliance to the technical requirements of tender. Please confirm our understanding.	Yes	
881	Price schedule Supply_Sub_BURHIGAON	Price schedule item 8.06	We understand that the length of the 132kV Gas Insulated Busduct for Transformer feeder shall be measured from the outer wall of the GIS hall. Please confirm our understanding.	The length of the 220kV Gas Insulated Busduct for Line and Transformer feeder shall be measured from the GIS modules inside the GIS hall. During detail engineering there may be variation in the length of GIBD which will be under the scope of the bidder and no	

				additional cost will be borne by AEGCL.	
882	132-33kV PLAN LAYOU40 132-33kV PLOT PLAN 41	Dwg nos – NAC/AEGCL/BURHIGAON/EL- 004/REV 03 NAC/AEGCL/BURHIGAON/PLOT PLAN -002/REV 03	As per tender layout and plot plan, 132kV GIS LCC panels are located in GIS control room adjacent to 132kV GIS hall. As 132kV LCC panel shall be mounted on GIS module, we request that standalone LCC panel is not applicable for 132kV GIS. Please confirm our request.	May be accepted but it will be finalised during detailed engineering	
883	- 132-33kV PLOT PLAN 41 - 132KV GIS BUILDING 43 -132-33kV PLAN LAYOU40	NAC/AEGCL/ BURHIGAON /PLOT PALN 002/REV 03 & NAC/AEGCL/ BURHIGAON /132KV GIS /GA-005/REV 03 & NAC/AEGCL/ BURHIGAON /EL - 004/REV 03	We understand that the size of the 132kV GIS building and 33kV switchgear building as shown in tender layout and plot plan is firm. Any increase in building sizes from tender stage shall lead to an ammendment in the contract price. Please confirm our understanding.	Any variation in the building design will be finalised during detailed engineering but no additional cost will be borne by AEGCL.	
884	PKGC VOL II Page no 7 of 782/Sl .no 11/Price schedule	TECHNICAL SPECIFICATION FOR 250 KVA, 500KVA & 1 MVA, 33/0.433KV STATION TRANSFORMER (ENERGY EFFICIENCY LEVEL 2)	As per specification, station transformer is “ energy efficiency level 2” . However as per price schedule, it is energy efficiency level -III transformer. We request AEGCL to confirm the final requirement.	Please follow the updated BoQ and necessary corrigendum has been issued.	

885	-33kV SINGLE LINE DI45 -PKGCVOLII Page no 161 of 782 CHAPTER 9:)	Dwg no - NAC/AEGCL/BURHIGAON/SLD- 003/REV 03 & TECHNICAL SPECIFICATION FOR 36 KV VACCUM CIRCUIT BREAKERS (INDOOR TYPE)	As per tender SLD, the quantity of 33kV feeders is 12 numbers consisting of 2nos Incomer feeder, 8 nos Outgoing feeders and 2 nos bus sectionalizer. However as per supply price schedule item 1, it is 13 panels. As there is ambiguity between the said documents, we request you to please clarify the actual requirement.	The 33kV VCB Indoor panel should be of at least 15 unit. 6 line bays, 2 Transformer incomer, 1 bus Sectionalizer, 2 for station transformer, 2 for PT bay & two numbers is consider as spare. The BOQ will be modified accordingly.	
886	-33kV SINGLE LINE DI45 -PKGCVOLII Page no 161 of 782 CHAPTER 9:)	Dwg no - NAC/AEGCL/BURHIGAON/SLD- 003/REV 03/ TECHNICAL SPECIFICATION FOR 36 KV VACCUM CIRCUIT BREAKERS (INDOOR TYPE)	We understand 33kV switchgear is indoor 33kV AIS type switchgear. Please confirm our understanding.	Yes	
887	-33kV SINGLE LINE DI45 -PKGCVOLII Page no 161 of 782 CHAPTER 9:)	Dwg no - NAC/AEGCL/BURHIGAON/SLD- 003/REV 03/ TECHNICAL SPECIFICATION FOR 36 KV VACCUM CIRCUIT BREAKERS (INDOOR TYPE)	As per 33kV tender SLD, circuit breaker, current transformer and PT current ratings and other parameters are given. We understand in case of any conflict in tender SLD and specification with respect to current ratings and other parameters, the bidder shall follow tender SLD. Please confirm our understanding.	As per BOQ	

888	33kV SWITCHGEAR & CONTROL ROOM BUILDING FLOOR PLANS, SECTION & ELEVATIONS	NAC/AEGCL/BURHIGAON/33SC R/ARCH -007/REV.01	In 33kV building drawing, 33kV CRP panels are not shown. Please confirm location of 33kV CRP panels.	It shall be housed in the 33kV Building and will be finalised during detail engineering.	
889	Price schedule Supply_Sub_BURHIGA ON	Item number 2.039	We understand that the insulators for wavetrap will operate out of Supply Price Schedule line item no 2.039. Please confirm our understanding.	Yes	
890	Price schedule Supply_Sub_BURHIGA ON	Item number 13.02	We understand that the cable termination mentioned under item 13.02, is for 33kV 1RX1CX1000 sq mm Copper cable. Please confirm our understanding.	Yes. The cable termination kit under item 13.02 shall comply with the item mentioned in item 13.01	
891	+B73;- Price schedule Supply_Sub_BURHIGA ON -33kV SINGLE LINE DI45	Item number 13.01 of Price chedule & Drawing No Dwg no - NAC/AEGCL/BURHIGAON/SLD-003/REV 03	As per tender SLD, 33kV cables is mentioned Aluminium cable. However as per supply price schedule item number 13.01 it is mentioned as Copper cable. Please confirm whether same is Aluminum cable or Copper cable? Accordingly please provide specification of 33kV cables.	It shall be according to the updated BoQ	
892	Price schedule Supply_Sub_BURHIGA ON	Item number 13.02	As per item number 13.02, the quantity of 33kV outdoor termination kits is 40 numbers. We understand this item	Total numbers shall be 100 considering Spare. Please follow the updated BOQ.	

			includes both indoor and outdoor type terminations kits including spare items (as mentioned in item description). Please confirm our understanding.		
893	Price schedule Supply_Sub_BURHIGA ON	Item number 13.02	In continuation to the above, we request AEGCL to add separate items for 33kV indoor and outdoor type termination kits.		
894	- 132-33kV PLOT PLAN 41 - 132KV GIS BUILDING 43 -132-33kV PLAN LAYOU40 33kV SINGLE LINE DI45 -Price schedule supply_Sub_BURHIGA ON	NAC/AEGCL/ BURHIGAON /PLOT PLAN 002/REV 03 & NAC/AEGCL/ BURHIGAON /132KV GIS /GA-005/REV 03 & Dwg no - NAC/AEGCL/BURHIGAON/SLD- 003/REV 03 & Price schedule item 2.02	We have not found any 33kV outdoor line gantry arrangement in tender layout and plot plan. However as per supply price schedule item number 2.02, 6 set Isolators are mentioned and same is shown in tender SLD also for 33kV line feeders. Please confirm whether 33kV outdoor line arrangement is in bidder scope? If yes, kindly provide plot plan and tender layout showing 33kV outgoing gantry location showing 33kV outgoing line arrangements.	33kV line gantry arrangement will be under the scope of the bidder. The plot plan and tender layout showing 33kV outgoing gantry location showing 33kV outgoing line arrangements shall have to be provided by the bidder for approval from AEGCL during detailed engineering.	
895	33kV SINGLE LINE DI45 /Price schedule supply_Sub_BURHIGA ON	Dwg no - NAC/AEGCL/BURHIGAON/SLD- 003/REV 03 & Price schedule item 13.01	We understand that the 33kV Cable is single run per phase. Please confirm our understanding.	33kV Cable size will be 1 core, 1000sqmm and there will be two runs for each phase for ICT incomer feeder and single run for each phase for the other 33kV outgoing and station transformer bays.	

896	Price schedule Supply_Sub_BURHIGA ON	Dwg no - NAC/AEGCL/BURHIGAON/SLD- 003/REV 03	We understand that laying of 33kV cables for Line Feeders are not envisaged in scope. Please confirm our understanding.	Laying of 33kV cables for all the feeders will be under the scope of the bidder.	
897	Price schedule Supply_Sub_BURHIGA ON	Dwg no - NAC/AEGCL/BURHIGAON/SLD- 003/REV 04	We understand that 33kV cable shall be laid in buried cable trench without any RCC cable trench. Please confirm our understanding.	33kV cable will be buried through RCC cable trench	
898	Price schedule Supply_Sub_BURHIGA ON	Price schedule item 2.031	We understand that 132kV tension insulators string and hardware is for single tension. Please confirm our understanding.	132kV tension insulators string and hardware is for double tension. Please follow the updated BOQ.	
899	Price schedule Supply_Sub_BURHIGA ON	Price schedule item 2.031 and 2.032	For item number 2.031 and 2.032 we understand bidder can use long rod insulator string also. Please confirm our understanding.	Not accepted. Should be as per BoQ	
900	Price schedule Supply_Sub_BURHIGA ON	Price schedule item 2.031 and 2.032	For item number 2.031 and 2.032 please confirm electromechanical strength (KN) of disc insulator and long rod insulator to be used for tension and suspension insulator disc for 132kV voltage class.	As per updated BOQ	
901	Price schedule Supply_Sub_BURHIGA ON	Price schedule item 2.033	We understand that 33kV tension insulators and hardware is for single tension string. Please confirm our understanding.	Yes	

902	Price schedule Supply_Sub_BURHIGA ON	Price schedule item 2.033 and 2.034	For item number 2.033 and 2.034 we understand bidder can use long rod insulator string also. Please confirm our understanding.	Not accepted. Should be as per BoQ	
903	Price schedule Supply_Sub_BURHIGA ON	Price schedule item 2.033 and 2.034	For item number 2.033 and 2.034 please confirm electromechanical strength (KN) of disc insulator and long rod insulator to be used for tension and suspension insulator disc for 33kV voltage class.	Follow the up daped BOQ.	
904	Price schedule Supply_Sub_BURHIGA ON		We have not found any item for 33kV bus post insulator in price schedule. Please add 33kV bus post insulator in price schedule as the same shall be required for outdoor 33kV cable termination support.	Not required.	
905	Price schedule Supply_Sub_BURHIGA ON	Price schedule item 3.02	As per item number 3.02, 440V MCCB is required for station transformer. Please confirm the use and the current rating of the MCCB.	MCCB will be used for distribution of ac supply as well as isolation from any fault. The current rating for MCCB will be decided during detailed engineering	
906	Price schedule Supply_Sub_BURHIGA ON	Price schedule item 3.02	Please confirm the requirement of this MCCB and provide clear understanding of this MCCB use showing it in single line diagram.	MCCB will be used for distribution of ac supply as well as isolation from any fault.	
907	Price schedule Supply_Sub_BURHIGA ON	Price schedule item 3.02	Please also confirm whether the same shall be mounted in outdoor panel for station transformer 415 V connection.	No	

908	Price schedule Supply_Sub_BURHIGA ON	Price schedule item 3.03	Please provide the specification for 33kV DO fuse and current rating requirement.	Will be decided during detailed engineering	
908	VOLUME III_PKG_C Price schedule supply_Sub_BURHIGA ON/Tender SLD		Scope for future bays - We understand that future bays shall be unequipped with no CRP/DCSystem/Cables/Trench/Risers/Earthing Electrodes/Gantry work/Illumination/ Main Mat/Lightning Protection/Civil work etc. Only space provision to be considered for future bays (if applicable as per tender SLD). Please confirm our understanding.	Main Earth mat and Lightning Protection for future bays must be provided.	
909	VOLUME III_PKG_C/ Price schedule supply_Sub_BURHIGA ON/Tender SLD		We understand our scope is limited to termination of ACSR conductor (Jack Bus _ if applicable) on line side gantry for 132kV and 33kV system, and providing suspension string and droppers for LA (if applicable) & CVT (if applicable). Connection between line gantry and dead-end tower is not in bidder scope. Further, supply & erection of tension string on terminal gantry is excluded from bidder scope of work. Please confirm our understanding.	The bidder's scope includes both the substation and associated transmission line works.	



910	132kV SINGLE LINE D44 /33kV SINGLE LINE DI45 Price schedule supply_Sub_BURHIGA ON - GIS specification Chapter 16	Dwg no - NAC/AEGCL/BURHIGAON/SLD- 003/REV 03 & NAC/AEGCL/BURHIGAON/SLD- 003/REV 03 & Price schedule	We understand that if there is any conflict between 132kV and 33kV tender SLD, technical Specification and supply price schedule, bidder has to quote as per supply price schedule. Please confirm our understanding.	Please follow the updated BoQ	
911	- 132-33kV PLOT PLAN 41 - 132KV GIS BUILDING 43 -132-33kV PLAN LAYOUT	NAC/AEGCL/ BURHIGAON /PLOT PALN 002/REV 03 & NAC/AEGCL/ BURHIGAON /132KV GIS /GA-005/REV 03 & NAC/AEGCL/ BURHIGAON /EL - 004/REV 03	We understand that the tender layout/Plot plans are tentative in nature and suitable modification can be done in the tender layout during detail engineering stage to suit site condition & technical reasons. Please confirm our understanding.	Yes	
912	Price schedule Supply_Sub_BURHIGA ON	supply price schedule item number 11. & ANNEXURE – A 3.0 (Technical Particulars/Parameters of 132/33 KV, 50 MVA 3-Phase Transformer)	As per the Price Schedule, the cooling of the 132/33kV 50MVA transformer is ONAN/ONAF/OFAF. However as per the technical specification the cooling of the tranformer is ONAN/ONAF. As there is discrepency in the description in the price schedule and technical specification, please confirm the requirement.	ONAN/ ONAF	
913	Price schedule Supply_Sub_BURHIGA ON	supply price schedule item number 11.	Kindly provide 415V LV power distribution SLD for Main ACDB, Sub ACDB, DCDB, MLDB and ELDB for	Will be finalised during detail engineering.	

			our reference and clear understanding of scope.		
914	Price schedule Supply_Sub_BURHIGA ON	supply price schedule item number 11.08 and 11.12	Kindly confirm, what the use of MCBDB?	MCB DB is used for distribution purpose	
915	Price schedule Supply_Sub_BURHIGA ON	supply price schedule item number 11.08	We understand Main ACDB shall connected to station transformer. MLDB and other panels for Auxiliary power shall directly connected with Main ACDB. So please confirm the requirement of sub ACDB.	Sub ACDB will be used for distribution purpose.	
916	Price schedule Supply_Sub_BURHIGA ON	supply price schedule item number 11.08	We request you to please provide us the 415V LV power distribution diagram for our reference and clear understanding of scope.	Will be decided during detailed engineering	
917	Price schedule Supply_Sub_BURHIGA ON	supply price schedule item number 11.	We understand that for ACDB, DCDB, MLDB, ELDB etc. number of outgoing feeders and rating shall be decided during execution stage as per the actual requirement. Please confirm our understanding.	Yes	
918	Price schedule Supply_Sub_BURHIGA ON	supply price schedule item number 11.	We have not found any Lighting Transformer in price schedule. We understand that MLDB shall be directly connected to Main ACDB without any lightning Transformer.. Please confirm our understanding.	Yes	

919	Price schedule Supply_Sub_BURHIGA ON	Type Test	As per price schedule, we understand that there is no requirement of any repetitive Type Test. Please confirm our understanding.	The equipments (except GIS) type tested should not be older than 5 years. The type tests for GIS should not be older than 10 years. Only type test reports of higher rated transformers will be accepted. For any type test no cost will be borne by AEGCL.	
920	Price schedule Supply_Sub_BURHIGA ON	Item 25 and 26	We understand bidder to provide mandatory spares, tools, fitting and accessories as per the price schedule item number 25 and 26. Apart from that we have not envisaged supply of any other spare/tools/fittings and accessories. Please confirm our understanding.	For any optional spare parts to be supplied by the bidder for implementation of the whole project, the same has to be quoted in the modified price schedule to be uploaded after pre-bid meeting	
921	132-33kV PLOT PLAN 41	NAC/AEGCL/BURHIGAON/PLOT PLAN 002/REV 03	As per tender layout and plot plan, 5 numbers lightning mast (LM) are shown, we understand the LM quantity is tentative and shall be as per actual requirement. Please confirm our understanding.	Yes	
922	132-33kV PLOT PLAN 41	NAC/AEGCL/BURHIGAON/PLOT PLAN 002/REV 03	As per tender layout and plot plan, 5 numbers lightning mast (LM) are shown for DSLP protection of proposed substation and residential buildings. We understand residential	Yes	

			building and 33kV switchgear building DSLP protection shall be done through GI flat and spike, Lightning mast is not required for lightning protection of 33kV switchgear and other buildings. Please confirm our understanding.		
923	- 132-33kV PLOT PLAN 41 -Price schedule Supply_Sub_BURHIGA ON	NAC/AEGCL/BURHIGAON/PLOT PLAN 002/REV 03 & Supply price schedule item number 22.011	For illumination of the officer's hostel, staff hostel transit camp (if applicable) etc. we understand that feeder shall be taken from the substation MLDB. We understand that separate lighting distribution panels is not required for these buildings. Please confirm our understanding.	Yes	

924	<p>- 132-33kV PLOT PLAN 41</p> <p>-Price schedule Supply_Sub_BURHIGAON</p>	<p>NAC/AEGCL/BURHIGAON/PLOT PLAN 002/REV 03</p> <p>&amp; Supply price schedule item number 22.011</p>	<p>As per supply price schedule item number 22.011 lighting system for following buildings is in bidder scope:</p> <ul style="list-style-type: none"> <li>- 145 kV GIS Building</li> <li>- 33kV Indoor AIS building</li> <li>- Pump House</li> <li>- Security booth</li> <li>- Security barrack</li> <li>- Staff hostel, Officer hostel, Transit camp</li> <li>- Control Room Building</li> </ul> <p>However as per tender layout and plot plan, we have not seen any Transit camp building and any separate control room building. Control room is part of 33kV switchgear building.</p> <p>1) We understand illumination of control room building shall cover underprice schedule item 22.0112.</p> <p>2) Transit camp is not shown in tender layout so illumination for Transit camp is not applicable.</p> <p>3) All other building for indoor illumination shall consider as per supply price schedule item 22.0111 to 22.0117.</p> <p>Bidder shall consider indoor illumination as per above understanding.</p>	<p>Please follow the modified BoQ</p>	
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			Please confirm our understanding.		
925	- 132-33kV PLOT PLAN 41 -Price schedule Supply_Sub_BURHIGA ON	NAC/AEGCL/BURHIGAON/PLOT PLAN 002/REV 03 & Supply price schedule item number 22.01	For indoor illumination, following buildings have been shown in tender layout but not part of supply price schedule item number 22.011: 1) RE RESIDENCE 2) One set security booth (as per price schedule security booth is only one number however in layout it is two numbers). 3) Store building 4) Store shed	Please follow the updated BOQ.	

			5) Car parking We understand bidder to provide indoor illumination system as per price schedule items 22.01 only. Please confirm our understanding.		
926	Price schedule Supply_Sub_BURHIGA ON	Supply price schedule item number 14 and 15	We understand from price schedule that all LV power and control cables for proposed 132/33kV GIS substation shall be operated from supply price schedule item number 14 and 15. Further these items shall also include illumination cables, firefighting cables and CCTV cables. Please confirm our understanding.	Please follow the updated BOQ.	
927	Price schedule Supply_Sub_BURHIGA ON	Supply price schedule item number 16.016	We request AEGCL to provide specification for material to be used for soil treatment (if required). Please also clarify the items envisaged by AEGCL for soil treatment?	As per bid	
928	Price schedule Supply_Sub_BURHIGA ON	Supply price schedule item number 16.017 and 16.018	We understand for GIS earthing, bidder to follow recommendation from GIS manufacturer. Please confirm our understanding.	Yes	

929	Price schedule Supply_Sub_BURHIGA ON	Supply price schedule item number 16.019 and 16.020	We understand for 33kV switchgear and 33kV switchgear building earthing, required GI flat and earthing electrodes items shall be operated from price schedule item 16.012, 16.013 and 16.014. Please confirm our understanding.	Yes. However, the quantities may change during detailed engineering for which no additional cost will be borne by AEGCL.	
930	Price schedule Supply_Sub_BURHIGA ON	Supply price schedule item number 16.021	We understand for fence earthing, required GI flat and earthing electrodes items shall be operated from price schedule item 16.012, 16.013 and 16.014. Please confirm our understanding.	Yes. However, the quantities may change during detailed engineering for which no additional cost will be borne by AEGCL.	
931	Price schedule Supply_Sub_BURHIGA ON	Supply price schedule item number 26.01	In order to maintain parity between the bidders, we request you to please specify the make and model (at least two) of the Automatic Transformer Oil BDV Testing Kit.	The bidder shall submit the make and model of reputed manufacturer for Automatic Transformer Oil BDV Testing Kit which will be finalised by AEGCL during detailed engineering	
932	Price schedule Erec_Sub_BURHIGAO N	Erection price schedule item number 23.02	SF6 gas evacuation system is being supplied by Supply SI item 9.06. We understand that the supply of the said equipment will be operated from the Supply Schedule SI no 9.06. Please confirm our understanding.	Yes	



933	Price schedule Erec_Sub_BURHIGAO N	Erection price schedule item number 23.02	Further as this is a green field substation, we understand that the SF6 gas retrieving arrangement is not applicable. Please reconfirm the requirement / revise the schedule.	SF6 gas retrieving arrangement is applicable.	
934	Price schedule Erec_Sub_BURHIGAO N	Erection price schedule item number 23.02	In case the above is applicable, please share the detailed requirement and the specification.	Will be decided during detailed engineering	
935	Price schedule Erec_Sub_BURHIGAO N	Erection price schedule item number 23.03	We understand that this is a typographical error as the installation shall be a part of sl no 23.02 (if applicable). Please revise the schedule accordingly.	Not applicable	
936	Price schedule Erec_Sub_BURHIGAO N	Supply Price Schedule item number 22.021	Please note that the formula is not working. Please send us the revised price schedule.	Not applicable	
937	Price schedule Erec_Sub_BURHIGAO N	Erection price schedule item number 9.05	Please note that the formula is not working. Please send us the revised price schedule.	Not applicable	
938	Supply Price Schedule	Supply Price Schedule: Supply_ S. No. 18.01 2 TON CAPACITY SPLIT AIR CONDITIONING UNITS for Control Room Building	We understand that 2 TR split AC has to be considered only for 132 KV CRP room and battery room in Control room building. Please confirm our understanding.	Yes. But should also include each room in control room buildings with standby facilities.	
939	Supply Price Schedule	Price Schedule: Supply S. No. 18.02 Ventilation system for 132kV GIS Building	We have considered 4 ACPH for ventilation system of GIS hall. Please confirm our understanding.	Accepted	

940	Supply Price Schedule	Price Schedule: Supply S. No. 18.02 Ventilation system for 132kV GIS Building	We understand that any exhaust fan for cable trench / basement of 132KV GIS is not required. Please confirm our understanding.	Accepted	
941	Supply Price Schedule	Price Schedule: Supply S. No. 18.02 Ventilation system for 132kV GIS Building	We understand that ventilation system for Store building is excluded from the bidder's scope of work. Please confirm our understanding.	Shall be under the scope of Bidder	
942	Supply Price Schedule	Price Schedule: Supply S. No. 18.02 Ventilation system for 132kV GIS Building	We understand that any ventilation system for 33 KV switchgear room is excluded from the bidder's scope of work as there is no line item associated with it in the price schedule. Please confirm our understanding.	Shall be under the scope of Bidder	
943	Supply Price Schedule	Price Schedule: Supply S. No. 19.01 Fire Alarm & Detection system for 132kV GIS Buildings, Control Room building including Fire Alarm panel, Multi Sensor detector, manual Call point, Hooter, Response Indicators, Beam Detector, Cabling and ISOLATING MODULE	We understand that Conventional type Fire Detection and Alarm system has been envisaged. Please confirm our understanding.	Conventional type	

944	<p>- CHAPTER 16: TECHNICAL SPECIFICATION FOR GIS 16.3.1.22 Pg 318 /319 of 782</p> <p>- Supply Price Schedule Item no 9</p>	<p>Special tools for erection, SF6 Gas handling, drying, processing, storage &amp; Filling Unit</p> <p>Online Partial discharge monitoring system</p> <p>SF6 gas quality testing unit SF6 Gas leak detector Precision pressure gauge SF6 gas evacuation cart (one mobile and one static unit) video Borescope Gas MASK.</p>	<p>We request you to please specify the makes and model nos (at least 2 each) of the following to maintain parity between the bidders:</p> <ul style="list-style-type: none"> <li>- SF6 Gas Processing, Drying, Storage &amp; Filling Unit</li> <li>- Online Partial Discharge Monitoring Unit</li> <li>- SF6 gas quality testing unit</li> <li>- SF6 Gas Leak Detector</li> <li>- Precision Pressure Gauge</li> <li>- SF6 Gas Evacuation Plant (One mobile cart and one static cart)</li> <li>- Video Borescope</li> <li>- SF6 gas Mask</li> </ul>	<p><i>The bidder shall offer make and model of reputed manufacturer and the same will be finalised by AEGCL during detailed engineering.</i></p>	
945	<p>Supply Price Schedule Item 9.02 for both BURHIGAON</p>	<p>Online Partial Discharge Monitoring Unit</p>	<p>Please note that many utilities accept portable type PD upto 220kV Voltage class thereby eliminating the need for embedded sensors in the GIS and compatibility between the testing kit and the sensor. Hence we request for the acceptance of portable type partial discharge monitoring unit in lieu of online partial discharge monitoring unit. Please confirm our request and provide the detailed specification of the same.</p>	<p>Not accepted.</p>	
946	<p>Supply Price Schedule Item 9.07 for both BURHIGAON</p>	<p>Video Borescope</p>	<p>We request you to please provide us the detailed specification of the video borescope</p>	<p>Will be decided during detailed engineering</p>	

947	Supply Price Schedule Item 9.08 for both BURHIGAON	SF6 gas mask	We request you to please provide us the detailed specification of the SF6 gas mask	Will be decided during detailed engineering	
948	CHAPTER 16 Technical Specification for GIS _16.3.2.16 Pg 330 of 782 Price schedule Supply_Sub_BURHIGAON item number 25.01	SF6 Gas Service Cart ...Vaccum Pump 40 m3/hr(Suction pr) compressor 6.5 m3 /hr delivery , with storage of max capacity of any 3 adjacent eq, with 5 yrs operational spares,  SF6 GAS Handling Plant -recovering of gas from Rated pressure to 50 mb pressure within 3 Hrs, filling a compartment to rated pr within 1 hr	We understand bidder to quote mandatory spare items for 145kV GIS as per supply price schedule item 9 nd 25.01. Apart from that we have not envisaged any tools/tackles/spare/accessories for 145 kV GIS.  Please confirm our understanding.	For any optional spare parts to be supplied by the bidder for implementation of the whole project, the same has to be quoted in the modified price schedule to be uploaded after pre-bid meeting	
949	Price schedule supply_Sub_BURHIGAON item 8.03	Four (4) numbers 3-phase, single pole group operated safety grounding switches, complete with manual Three (3) numbers 1-phase Potential Transformers, Gas monitoring devices, barriers, pressure switches	We request that Grounding switches shall be part of disconnector. Please confirm your acceptance.	Not accepted. Should be as per BOQ.	
950	Price schedule supply_Sub_BURHIGAON item 8.01 to 8.04	UHF PD Sensors	As per specification the UHF sensors are to be provided only for 220kV and above, please confirm whether it has to be provided for 132kV, as it is appearing in price schedule.	Required and as per manufacturer standard.	
951	Price schedule supply_Sub_BURHIGAON item 24.011, 25.012	Single phase Voltage transformers, single phase current transformers	As the offered design is three phase encapsulated type, the spares shall also be three phase type. we request customer to revise this item.	Accepted	
952	Price schedule supply_Sub_BURHIGAON item 25.021	Complete Spring operating mechanism	As separate drive mechanisms are mentioned in spares for Circuit breaker, disconnector and Earth switches, we request AEGCL to delete this item as	Please follow the updated BOQ.	

			part of spares. Please confirm our request.		
953	Price schedule supply_Sub_BURHIGA ON item 25.022 - 25.055	Closing dashpot, opening dash pot, opening catch gear, closing dash gear	The items mentioned herein are not applicable for GIS. We understand that only the items which are applicable for GIS shall be quoted. Please confirm whether our understanding.	They are applicable for any type of circuit breaker operating mechanisms, Therefore, it should be as per BoQ.	
954	Supply Price Schedule	price schedule: Supply_Burhigaon item no 8.07 EOT Crane	We understand that 5.0Ton capacity single girder EOT crane required for 145KV GIS. Please confirm our understanding.	Accepted	
955	Supply Price Schedule	price schedule: Supply_sub_Burhigaon item no 10.03 and item no 20.01,20.02 & 20.03 " Nitrogen injection fire prevention system/ HVWS"	Both price schedule items mentioned in reference clause are same. Please specify which line item will be operated during execution.	It should be quoted with item no 20.	
956	Supply Price Schedule	price schedule: Supply_sub_Burhigaon item no 10.03 and item no 20.01,20.02 & 20.03 " Nitrogen injection fire prevention system/ HVWS"	As HVWS part of the scope, please recheck and confirm whether both HVWS and NIFPS are required for the 132kV, 50MVA transformer.	Both HVWS and NIFPS are required.	
957	Supply Price Schedule	price schedule: Supply_sub_Burhigaon item no 17.01 - 17.04 " Lattice structure "	Please provide standard fabrication drawing for 132KV Column Type C1 structure to access actual weight.	If required shall be furnish during detail engineering.	
958	Supply Price Schedule	price schedule: Supply_sub_Burhigaon item no 17.01 - 17.04 " Lattice structure "	Please provide standard fabrication drawing for 132KV Beam type B1 structure to access actual weight.	If required shall be furnish during detail engineering.	

959	Supply Price Schedule	price schedule: Supply_sub_Burhigaon item no 17.01 - 17.04 " Lattice structure "	Please provide standard fabrication drawing for 33KV Column Type C5 structure to access actual weight.	If required shall be furnish during detail engineering.	
960	Supply Price Schedule	price schedule: Supply_sub_Burhigaon item no 17.01 - 17.04 " Lattice structure "	Please provide standard fabrication drawing for 33KV column Type B5 structure to access actual weight.	If required shall be furnish during detail engineering.	
961	Supply Price Schedule	price schedule: Supply_sub_Burhigaon item no 17.05	We understand that all equipment support structure (excluding GIB support structure) shall be pipe structure. Please confirm our understanding.	Yes	
962	-Erection Price Schedule	price schedule: Erec_sub_Burhigaon civil work item no 22.01 "Standards, design and drawing"	Kindly elaborate the actual scope of work.	Please follow the update BOQ.	
963	Erection Price Schedule	price schedule: Erec_subBurhigaon civil work item no 22.04 "site preparation and earth filling with compaction"	We understand that earth filling will be executed up to proposed FGL mentioned in drawing no NAC/AEGCL/BURIGAON/P LOT PLAN -002, REV-3. Please confirm our understanding.	Yes	
964	Drawing	Contour Drawing No - NAC/AEGCL/BURHIGAON/CONT OUR PLAN -001	The contour drawing has not been uploaded with the tender document. We request you to please provide us the same.	Will be uploaded.	

965	-Erection Price Schedule -Civil Specification -Tender Drawing.	Tender drawing: AEGCL/AIIB/Package C/41 & price schedule: Erec_sub_Burhigaon civil work item no 22.04 & PKG C Vol-II specification clause 5.8 page 73/782 "Boundary wall"	Tender drawing and tender specification for boundary wall contradict each other. Please clarify which document is to be followed during execution. Please also specify RCC / RR masonry wall to be considered for bidding	As per Bid document and drawing.	
966	-Erection Price Schedule -Civil Specification	price schedule: Erec_sub_Burhigaon civil work item no 22.06 "Substation buildings"	We understand that all building will be executed as per given floor plan and specified size mentioned in tender drawing. Please confirm our understanding.	The drawing are indicative and tender purpose only. It can be modified and finalised during detail engineering.	
967	Civil Specification	PKG C Vol-II specification clause 5.10 & 5.11 page 83&84/782 Rail Track "The Contractor shall provide a permanent transfer track system integrated with the auto transformer foundation"	As per technical specification Rail track to be provided for each transformer but in price schedule there is no such item. We understand that RCC rail cum road for each transformers is not required. Please confirm our understanding.	It is required. Please follow the updated BOQ.	
968	Erection Price Schedule	price schedule: Erec_sub_Burhigaon civil work item no 22.09 Fire protection wall	We understand that RCC framed brick masonry fire wall can be used for Proposed substation. Please confirm our understanding.	As per bid document.	
969	Erection Price Schedule	price schedule: Erec_sub_Burhigaon civil work item no 22.111 Storm water drain	As per technical specification clause no 5.14 (b) page - 87/782 "The bottom of the drain should be minimum 600mm wide. The side wall should be minimum 2:1 slope." From the above statement we	Yes	

			understand that PCC trapezoidal drain will be applicable. Please confirm our understanding.		
970	Erection Price Schedule	price schedule: Erec_sub_Burhigaon civil work item no 22.13 & 22.14 Switchyard PCC and gravel filling	We understand that as per technical specification clause no 5.15 page 89/782, 100mm thk. PCC ( 1:3:6) will be laid with 100mm thk. Crushed broken metals. Please confirm our understanding.	As per bid document.	
971	-Erection Price Schedule -Civil Specification	price schedule: Erec_sub_Burhigaon civil work item no 22.17 & PKG C Vol-II specification clause 5.17 page 91/782 Rail Track "a) INTER LOCKING CONCRETE BLOCK PAVEMENT (ICBP) BLOCK ROAD: The side shoulder of all the roads shall be with kerb stone at two sides. The kerb stones shall be painted yellow and black....."	We understand that 230mm thk. Brick masonry karb stone to be provided on both side of the road. Please confirm our understanding	<b>Addendum issued</b>	
972	-Erection Price Schedule -Civil Specification	price schedule: Erec_sub_Burhigaon civil work item no 22.17 & PKG C Vol-II specification clause 5.17 page 91/782 Road	We understand that the road out side substation boundary not in bidder scope. Please confirm our understanding.	As per BOQ	
973	Civil Specification	PKG C Vol-II specification clause 5.9 h) Finishing Schedule page 77/782 "(i) Flooring ( 52mm Thk.)"	Detail specification of the flooring and location of use missing in tender document. Please elaborate the same.	As per Bid document	



974	Civil Specification	<p>PKG C Vol-II specification clause 5.2 page 100/782</p> <p>Water supply</p> <p>"The Contractor shall be overall responsible for supply of water within switch yard for firefighting, drinking purposes, construction purpose and other miscellaneous purposes. The scope is also inclusive of installation of deep tube well, construction of slow sand filter and ground storage tank, supply and installation of distribution network pipe lines, supply and erection of all overhead tanks, staging for OH tank wherever necessary,....."</p>	<p>There is no such items for above said works in price schedule, so we understand that except building internal piping arrangement, other works related water supply not in bidder scope. Please confirm our understanding.</p>	<p>Complete Job of water supply system shall be under the scope of Bidder.</p>	
975	Erection Price Schedule	<p>price schedule: Erec_sub_Burhigaon civil work item no 22.113 Sump Pit</p>	<p>Kindly provide the size and depth of proposed sump pit.</p>	<p>Minimum size 1.5 x 1.5 m and depth 0.6 m lower than connecting drain with RCC cover slab, discharge drain and suitable electric motor</p>	
976	CHAPTER 16: TECHNICAL SPECIFICATION FOR GI, Page No: 311 of 782	<p>CAST-ALUMINIUM: Pre-treatment (indoor and outdoor): Sand-blast or degrease alkaline Internal surfaces (cast-aluminium): Seevenax protective paint RAL 7038 (grey) Internal surfaces (aluminium wrought alloy): without surface treatment External surfaces: material description: high-resistant 2-component polyurethane paint Shade: RAL 9010 (white)</p>	<p>We understand that for Indoor GIS component RAL 7038 and for outdoor Bus duct RAL 9010 shall be required. Please confirm.</p>	<p>The manufacturer may adopt their own painting procedure but the same has to confirm with the specification mentioned in the bid</p>	

977	CHAPTER 16: TECHNICAL SPECIFICATION FOR GI Page No: 314 of 782	Tenderer shall confirm the nominal rating of GIS components at 50°C	nominal rating of GIS compenents at 50 deg can be confirmed for current rating up to 2000A. Please accept.	Accepted	
978	CHAPTER 16: TECHNICAL SPECIFICATION FOR GI, Page No: 311 of 782	In addition, the gas barrier insulators sealing to the conductors and the enclosure wall shall be designed to withstand the maximum gas pressure differential under normal operating condition and maximum pressure differential with one of the adjacent enclosures at three times operating gas pressure and the other at atmospheric pressure for five minutes. Its safety factor shall be no less than 4.5			
979	CHAPTER 16: TECHNICAL SPECIFICATION FOR GI, Page No: 319 of 782	d) The breakers are to be re-strike-free. The circuit breakers shall be designed for high speed single and three phase reclosing with an operating sequence and timing as specified. The Circuit breaker shall be C2 – M2 class type. Breaker disposition must be horizontal to provide higher mechanical stability and ease in maintenance	<p>- We understand for 145kV GIS, CB shall be of three phase reclosing type only. Single phase auto reclosing is for 220 &amp; 400kV GIS. Please confirm.</p> <p>- We understand that for 145kV GIS vertical CB arrangement is allowed as it reduces the footprint in GIS building. Also vertical interrupter is our standard manufacturing design. Your kind acceptance is required.</p>	<p>1. Accepted.</p> <p>2. CB arrangement shall be confirmed during detail engineering.</p>	

980	CHAPTER 16: TECHNICAL SPECIFICATION FOR GI, Page No: 321 of 782	7. Closing devices The breaker shall close correctly when an electrical closing pulse of 50 ms duration is applied to the closing coil.	The same shall be 52 +/- 2 ms at rated aux voltage. Please accept.	Will be decided during detailed engineering	
981	CHAPTER 16: TECHNICAL SPECIFICATION FOR GI,Page No: 322 of 782	The common point of the two bus bars along with earth switch shall be designed and housed in a separate compartment so as to avoid complete shutdown of the system in case of maintenance required in any disconnector.	145kV GIS shall have combine disconnector and earth switch. Earth switch in separate gas compartment for both bus bar disconnector is not possible as our design restricts the arrangement. Please confirm.	Accepted.	
982	CHAPTER 16: TECHNICAL SPECIFICATION FOR GI, Page No: 326 of 782	LOCAL CONTROL CUBICLE (STAND ALONE TYPE):	We propose to have a bay mounted LCC for 145kV GIS as this reduces space and installation time at site. Kindly confirm.	Accepted. Addendum issued	22
983	CHAPTER 16: TECHNICAL SPECIFICATION FOR GI, Page No: 327 of 782	OTHER SERVICES One week training for installation and commissioning shall be held prior to installation at site or at the owners' premises/at the factory. One week training for operation and maintenance shall be held after the installation at the site	2 days comprehensive training on GIS shall be conducted at site and at factory for 4 personnel from purchaser. Kindly accept.	As per bid	
984	CHAPTER 16: TECHNICAL SPECIFICATION FOR GI, Page No: 331 of 782	CONNECTION TO THE GENERAL EARTH MAT: The general earth mat design, the connection device and the bimetallic plate shall be supplied by the GIS manufacturer.	GIS manufacturer shall only provide earthing calculations for GIS building. Earthing material, connection device and the bimetallic plates including any other accessories shall be in scope of MC. GIS supplier shall only provide	As per bid	

			earthing materil for inter GIS earthing. Please accept.		
985	CHAPTER 16: TECHNICAL SPECIFICATION FOR GI, Page No: 332 of 782	Testing and commissioning: (b) ROUTINE TESTS: (c) COMMISSIONING TESTS/ON SITE TESTS AFTER ERECTION	Routine and commissioning tests shall be as per QAP submission by OEM during tender stage. Please accept.	Site test suggested as per IEEE should be performed at site only. If IEEE doesn't recommend any site tests in specific then it could be carried out as per manufacturer QAP.	
986	CHAPTER 16: TECHNICAL SPECIFICATION FOR GI, Page No: 333 of 782	ELECTRIC OVERHEAD CRANE:	EOT crane shall be ins cope of MC. Please accept.	As per bid	