



ASSAM ELECTRICITY GRID CORPORATION LIMITED

OFFICE OF THE MANAGING DIRECTOR

Regd. Office:(1st FLOOR), BIJULEE BHAWAN, PALTANBAZAR; GUWAHATI - 781001

CIN: U40101AS2003SGC007238 GSTIN: 18AAFCA4973J9Z3

PHONE: 0361-2739520 Web: www.aegcl.co.in



No. AEGCL/MD/PRE-BID QUERY/RANGIA-Pkg H (R)/2023-24/17

Date: 19.02.2024

Addendum-I of the tender document Tender No: AEGCL/MD/AIIB/PACKAGE-H(R)/2023/01-H (R)

Tender Details/Name of work: **Construction of 400/220kV, 2x500 MVA GIS at Sonapur along with the associated Transmission Lines (Package H)**

TABLE:2 (VOLUME-1)

Sl No.	Clause No.	As Existing	As Amended	Reference to Sl. No. of Response [Table 1] wherever applicable
1	2.4.1 (a) Contract of Similar Size and Nature PART B: (Associated Transmission Lines for 400kV,220kV and 132kV Voltage Level)	iii. The bidder shall submit an undertaking that the tower design, type testing and vetting by CPRI shall be completed within nine (09) months from the date of notification of award (NOA) of work	iii. The bidder shall submit an undertaking that the tower design, type testing and vetting by CPRI/NABL/IIT or equivalent shall be completed within nine (09) months from the date of notification of award (NOA) of work.	TABLE-1(A): Sl No. 5
2	2.4.2 Experience in Key Activities 2.4.2(a): For Part B: Associated Transmission lines.	The bidder must have experience of construction of 132KV and 220KV or above voltage class transmission line of minimum total 40 Circuit KM length with the following listed equipment, which are in successful operation for at least two years within last seven years as on the date of bid opening. (i) Power Conductors, (ii) disc/long rod Insulators. (iii) Transmission Line Towers. (iv) OPGW laying.	The bidder must have experience of construction of 220KV or above voltage class transmission line of minimum total 40 Circuit KM length with the following listed equipment, which are in successful operation for at least two years within last seven years as on the date of bid opening. (i) Power Conductors, (ii) disc/long rod Insulators. (iii) Transmission Line Towers. (iv) OPGW laying.	TABLE-1(A): Sl No. 10
3	Section 4: Tender Forms: Form FIN - 2: Average Annual Turnover	The information supplied should be the Annual Turnover of the Tenderer or each member of a Joint Venture in terms of the amounts billed to clients for each year for work in progress or completed, converted to US dollars at the rate of exchange at the end of the period reported.	The information supplied should be the Annual Turnover of the Tenderer or each member of a Joint Venture in terms of equivalent amount in freely convertible currencies calculated as total certified payments received for contracts in progress or completed, within the last five (5) years.	TABLE-1(A): Sl No. 11



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Sl No.	Clause No.	As Existing	As Amended	Reference to Sl. No. of Response [Table 1] wherever applicable
4	2.4 Tenderer's Experience 2.4.1 (a) Contracts of Similar Size and Nature PART B: (Associated Transmission Lines for 400kV, 220kV and 132k V Voltage Level)	The Bidder should have successfully executed/completed any transmission line project under Central/State Power Utility or TBCB in any one project within 18(eighteen) months during last Ten (10) financial years and the executed value of such project in anyone (1) financial year shall not be less than Rs. 50Crore.	The Bidder should have successfully executed/completed any transmission line project under Central/State Power Utility or TBCB in any one project within 18(Eighteen) months during last Ten (10) financial years and the executed value of such project in anyone (1) financial year shall not be less than Rs. 20 Crore.	<u>TABLE-1(A):</u> Sl No. 13
5	Section 6: Employer's Requirement, 7. Personnel Requirements	Tender Clause: 5. Community Consultation Officer: Master of Social Work or similar suitable qualification with at least 8 years of experience in Stakeholder Consultations in Assam for linear infrastructure projects. Good understanding of social sensitivities of Assam and community structure and specialized consultation needs would be essential.	Community Consultation Officer: Master of Social Work or similar suitable qualification with at least 8 years of experience in Stakeholder Consultations for linear infrastructure projects. Good understanding of social sensitivities and community structure and specialized consultation needs would be essential. Experience in Assam will be preferable.	<u>TABLE-1(A):</u> Sl No. 20
6	BOQ		Revised BOQ uploaded	
7	Section3: EQC 2.5 (a) Manufacturers/Subcontractor	I. The Transformer manufacturer must have designed, manufactured; type tested, supplied the transformers, which are in successful operation for at least 3 (three) years during last 7(seven) years for voltage level 440KV as on the date of bid opening for the following rated capacity of transformers. The bidder should list such works executed to substantiate the requirement of this Clause.	I. The Transformer manufacturer must have designed, manufactured; type tested, supplied at least 2 (Two)nos. transformers, which are in successful operation for at least 3 (three) years during last 7(seven) years for voltage level 400KV or above as on the date of bid opening. The bidder should list such works executed to substantiate the requirement of this Clause.	



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Sl No.	Clause No.	As Existing	As Amended	Reference to Sl. No. of Response [Table 1] wherever applicable
9	Vol-I Section:9 (A) Terms of Payment		New Clause Schedule No. 4(a) is added Attached as ANNEXURE (Section: 9(4A)) New Clause added under Section 9: Contract Forms (A) Terms of Payment. Schedule No. 4(a): Local Transport & Insurance (F&I).	
10	ITT 24.1 Deadline for Submission of Tender	Tenders must be uploaded online no later than the 22 nd February 2024, 13:00 Hrs	Tenders must be uploaded online no later than the 7th March 2024, 13:00 Hrs	
11	ITT 27.1	Tender Opening Date and Time : 23rd February 2024, 15:00 Hrs	Tender Opening Date and Time : 8th March 2024, 15:00 Hrs	

ANNEXURE (Chapter:9(A))

(A) Terms of Payment- Schedule No. 4(a)

Schedule No. 4(a) — Local Transport (Freight) & Insurance (F&I):

1. Inland transportation and insurance charges shall be paid to the Contractor, as per the unit rates indicated in the Contract Agreement, after receipt of materials/items at site and on presentation of the invoices along with supporting documents by the Contractor
2. Invoices against F&I shall be raised along with the supply (schedule-2) invoices and payment terms shall be same as specified for Progressive payments for supply items (schedule-2)



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Table 2: Volume-II

Chapter 2: Information to Bidders (ITB)

S.No	Clause No	As Existing	As Amended	Reference to Sl. No. of Response [Table 1] wherever applicable
1	2.6.11 B) 1)	LILO of one circuit of Silchar – Byrnihat 400kV TL (on twin moose) at 400 kV Sonapur GIS with OPGW link.	LILO of one circuit of Silchar – Byrnihat 400kV TL (on twin moose) at 400 kV Sonapur GIS with OPGW link on both Peak.	
2	2.6.11 C)	Bay Works at 220kV Existing Sonapur GSS Construction of 2 numbers of line bays for the incoming 220kV Circuits with 220kV GIS bus extension and associated works as per tender drawing and BOQ. Complete ETC of the bays including GIS Bus Extension is under the scope of the successful bidder. The works will include the SAS Integration of the 2 nos of bays with the existing SAS, extension of the existing earth mat and all associated Civil Works as per Tender and BoQ.	Bay Works at 220kV Existing Sonapur GSS The following Work shall be under the scope of the Bidder: a) Complete Supply, Erection, Testing and Commissioning of 1 No Outdoor AIS Line Bay (CSE, LA, CVT, Isolator, SF6 to AIR Bushing) for Termination of one Circuit of the D/C Cable Connection, including the GIS Extension, GIS Line Bay Module and GIBD Connection to the Outdoor AIS Bay as per Tender. b) Complete Supply, Erection, Testing and Commissioning of 1 Set of CSE only for Termination of the 2nd Circuit of the D/C Cable Connection. c) All the necessary Civil Works Like Site Levelling, earth filling etc as per site requirement and extension of the Earth mat, development of Switchyard area etc for BOTH the Bays of the D/C Cable Connectivity will be under the scope of the Bidder. d) Any work involved in the existing 220kV GIS Hall during the GIS Extension and erection of the Line Bay Module under this Package like Extension of the existing Cable Trench, requirement of additional Cable Tray, extension of the AC, DC Supply to the GIS, any modification works of the GIS Hall etc and other Civil works as per site requirement shall be under the scope of the Bidder. e) The Integration of the Supplied Panels with the Existing Busbar Scheme of the Existing Sonapur GSS including supply of any additional items like Peripheral Units etc for the successful commissioning of the Line Bays will be under the scope of the Bidder.	TABLE-1(B): Sl No. 185



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3	2.6.11	-	New Clause 2.6.11 E (3) is added Attached as ANNEXURE (Chapter: 2(A))	
4	2.6.11 E)	Optical Communication Link shall be established for the following: 1) 400kV Silchar- Sonapur (new) Transmission Line and 400kV Sonapur (new)-Byrnihat Transmission Line with Erection, Testing and Commissioning of FOTE system including integration with the existing FOTE system at Silchar (PGCIL), Byrnihat (MeECL) and Sonapur (new) (AEGCL) end	Optical Communication Link shall be established for the following: 1)400kV Silchar- Sonapur (new) Transmission Line and 400kV Sonapur (new)-Byrnihat Transmission Line with Erection, Testing and Commissioning of FOTE system including integration with the existing FOTE system at Silchar (PGCIL), Byrnihat (MeECL) and Sonapur (new) (AEGCL) end. For the Supply, Erection, Testing and Commissioning of the FOTE panels at the remote end stations of PGCIL and MeECL, all the works involved like dismantling/shifting of existing panels, extension of cable trays, extensions of DC, AC Supply etc and any Civil Works involved for the successful commissioning of the Optical Link shall be within the scope of the Bidder.	
5	2.6.11 F)	F. The Complete Erection, Testing and Commissioning of the Line Differential Panels including establishment of the communication link for the relays, SAS Integration with the existing system at the remote end Sub Stations, Dismantling/shifting of existing panels and any associated Civil and electrical works at the Remote end stations of Byrnihat (MeECL), Karbi Langpi (APGCL) and Existing 220kV Sonapur GIS (AEGCL) shall be under the scope of the successful Bidder.	F. The Complete Erection, Testing and Commissioning of the Line Differential Panels including establishment of the communication link for the relays, SAS Integration with the existing system at the remote end Sub Stations, Dismantling/shifting of existing panels and any associated Civil and electrical works at the Remote end stations of Byrnihat (MeECL), Karbi Langpi (APGCL) and Existing 220kV Sonapur GIS (AEGCL) shall be under the scope of the successful Bidder. The Integration of the Supplied Panels with the Existing Busbar Scheme of the Remote End Stations of APGCL and MeECL including supply of any additional items like Peripheral Units etc for the successful commissioning of the Line Bays will be under the scope of the Bidder.	<u>TABLE-1(B):</u> Sl No. 56
6	2.6.11	-	New Clause 2.6.11 G is added Attached as ANNEXURE (Chapter: 2(A))	
7	2.6.12.1	-	New Clause 2.6.12.1 L is added Attached as ANNEXURE (Chapter: 2(A))	<u>TABLE-1(B):</u> Sl No. 75



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Chapter 3: Drawings and Documents

SL. No	Clause No	As Existing	As Amended	
8	-	Chapter 3 Page No 50 to 52 420kV and 245kV Gas Insulated Switchgear, 400kV GIS	Deleted	TABLE-1(B): SI No. 24, 150, 152, 153,154, 156-160
9	-	Chapter 3 Page No 52 to 54 420kV and 245kV Gas Insulated Switchgear, 220kV GIS	Deleted	TABLE-1(B): SI No. 161
10	-	Chapter 3 Page No 54 to 57 420kV & 245kV Gas Insulated Bus Ducts(GIB) 420kV and 245kV Gas Insulated SF6 to Air Termination Air insulated switchgear (AIS) and Other Main Equipment	Deleted	
11		Yard Levelling	Contour Drawing uploaded	TABLE-1(B): SI No. 8
12		SBC & ERT	SBC & ERT Report is Uploaded	TABLE-1(B): SI No. 10 and 11.

CHAPTER: 5 LAND DEVELOPMENT AND ASSOCIATED CIVIL WORKS

SL. No	Clause No	As Existing	As Amended	
13	5.3 d)	As per referred specification, cl.no- 5.3 d) it is mentioned as following buildings shall be in scope of bidder a) 400 KV GIS Building b) 220 KV GIS Building c) 33kV Switchgear & Control Room building d) Kiosk Building e) Firefighting pump house Building & Fire water Tank f) R.E Residence g) Transit Camp h) Officers Hostel i) Staff hostel j) Security Barrack k) Security Booth	Cl no 5.30: the following buildings are in scope of bidder: - a)400 KV GIS Building b)220 KV GIS Building cum Control Room building c) Security Booth d) Open Store Shed e) Store Building	TABLE-1(B): SI No. 54



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		l) Open Store Shed m) Store Building		
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Chapter 32: Mandatory Spares

SL. No	Clause No	As Existing	As Amended	
15	Chapter 32	Chapter 32 Mandatory Spares	Entire Chapter 32 including all the Sub Clauses are deleted/removed from the Vol II of the BID.	

ANNEXURE (Chapter:2(A))

2.6.11 E of Chapter 2: Information to Bidders

PLCC link shall be established for the following lines:

3) For the Supply, Erection, Testing and Commissioning of the PLCC panels at the remote end stations of AEGCL, PGCIL, APGCL and MeECL, all the works involved like dismantling/shifting of existing panels, extension of cable trays, extensions of DC, AC Supply etc and any Civil Works involved for the successful commissioning of the PLCC Link shall be within the scope of the Bidder.

Optical Communication Link shall be established for the following:

1)400kV Silchar- Sonapur (new) Transmission Line and 400kV Sonapur (new)-Byrnihat Transmission Line with Erection, Testing and Commissioning of FOTE system including integration with the existing FOTE system at Silchar (PGCIL), Byrnihat (MeECL) and Sonapur (new) (AEGCL) end.

For the Supply, Erection, Testing and Commissioning of the FOTE panels at the remote end stations of PGCIL and MeECL, all the works involved like dismantling/shifting of existing panels, extension of cable trays, extensions of DC, AC Supply etc and any Civil Works involved for the successful commissioning of the Optical Link shall be within the scope of the Bidder.

2.6.11 E of Chapter 2: Information to Bidders

SAS Works:

The SAS to be supplied under this Package for the New 400/220kV GSS shall include the following:

a) The SAS supplied will be for BOTH the NEW 400/220kV GSS and EXISTING 220/132/33kV GSS.



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- b) The entire SAS of the existing 220/132/33kV GSS will be migrated to the new SAS supplied under this Package and all the Bays (220kV, 132kV and 33kV) and all the Auxiliary Signals of the Existing GSS shall be integrated with the New SAS.
- c) The CRP to be supplied for the Existing 220/132/33kV GSS under this Package shall be integrated in the New SAS.
- d) The complete Supply, Erection, Testing, Integration and Commissioning of the works defined for the Complete SAS in the above points will be under the scope of the successful Bidder.

2.6.12 L of Chapter 2: Information to Bidders

L) All the 33kV Feeders of the Existing 220/132/33kV GSS shall be rerouted and will need to be extended via Cable Trench to the Boundary Wall (as per Layout) for onward distribution via. Overhead Lines as per APDCL Norms.

-Sd-

Project Director (AIIB), AEGCL