

# ASSAM ELECTRICITY GRID CORPORATION LIMITED

OFFICE OF THE MANAGING DIRECTOR

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

CIN: U40101AS2003SGC007238 GSTIN: 18AAFCA4973J9Z3

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No. AEGCL/MD/AIIB/TENDER/2020/Extn-21

Date: 05.07.2020

## CORRIGENDUM-VI

Tender Reference No : AEGCL/MD/AIIB/PACKAGE-M/2020/02-M  
Name of Work: Augmentation of OPGW network (Package-M)

TABLE-2

Sl No	Clause No.	As Existing	As Amended	Reference to Sl. No. of Response [Table 1] wherever applicable
1	<b>APPENDIX-E</b> DRS Form 01 <b>DATA REQUIREMENTS SHEETS</b> for <b>OPTICAL LINE TERMINATION EQUIPMENT (OLTE) of Vol II</b> S.No 2	Minimum No. of protected (MSP) directions – Three	Minimum No. of protected (MSP) directions – Four (4)	
2	<b>APPENDIX-E</b> DRS Form 01 <b>DATA REQUIREMENTS SHEETS</b> for <b>OPTICAL LINE TERMINATION EQUIPMENT (OLTE) of Vol II</b> S.No 4	No. of Ethernet ports in Ethernet interface tributary cards - minimum 4	No. of Ethernet ports in Ethernet interface tributary cards - minimum 8	S.No 18, 20 and 23
3	<b>APPENDIX-E</b> DRS Form 01 <b>DATA REQUIREMENTS SHEETS</b> for	Service Channel provision - Yes a) Voice Channel – Minimum 1 b) Data Channel - Minimum 1	Service Channel provision - Yes a) Voice Channel – Minimum 8 b) Data Channel - Minimum 4	

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	OPTICAL LINE TERMINATION EQUIPMENT (OLTE) of Vol II S.No 5			
4	Clause No 2.7.1 of Vol II	<p><b>Fibre Optic Transmission System</b> The Fibre Optic Transmission System (FOTS) is defined herein to include ETSI digital optical line termination equipment. The FOTS shall be based on SDH technology. Minimum aggregate bit rate shall be STM-4/STM-16 and equipped with 2 nos. Of minimum 16 port E1 interface (G.703) card, one no. of minimum 4 port Ethernet interface (IEEE 802.3/IEEE 802.3u) card supporting layer 2 switching as tributaries. The Ethernet interfaces shall support VLAN (IEEE 802.1P/Q), spanning tree (IEEE 802.1D) quality of service. Protection scheme for Ethernet traffic should be ERPS based (Ethernet ring protection scheme) as per ITU-T G.8032.</p>	<p><b>Fibre Optic Transmission System</b> The Fibre Optic Transmission System (FOTS) is defined herein to include ETSI digital optical line termination equipment. The FOTS shall be based on SDH technology. Minimum aggregate bit rate shall be STM-4/STM-16 and equipped with 2 nos. Of minimum 16 port E1 interface (G.703) card, one no. of minimum 8 port Ethernet interface (IEEE 802.3/IEEE 802.3u) card supporting layer 2 switching as tributaries. The Ethernet interfaces shall support VLAN (IEEE 802.1P/Q), spanning tree (IEEE 802.1D) quality of service. Protection scheme for Ethernet traffic should be ERPS based (Ethernet ring protection scheme) as per ITU-T G.8032.</p>	S.No 18
5	Clause No 2.8.2 of Vol II	<p><b>SDH ADM</b> The aggregate interfaces shall be (at least) STM-4/STM-16 towards at least two protected directions (Protected as specified in this specifications). At present the equipment shall be equipped with a 2 nos., min.16 E-1 port electrical tributary cards &amp; one no., min.4 port Ethernet interface card as tributaries. The</p>	<p><b>SDH ADM</b> The aggregate interfaces shall be (at least) STM-4/STM-16 towards at least two protected directions (Protected as specified in this specifications). At present the equipment shall be equipped with a 2 nos., min.16 E-1 port electrical</p>	S.No 20

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		equipment shall provide access to full STM-4 payload. The equipment shall provide non-blocking cross connect capability of 64 STM-1 (bi-directional) at high order VC-4 level and as well as low order VC-12 level.	tributary cards & one no., min.8 port Ethernet interface card as tributaries. The equipment shall provide access to full STM-4 payload. The equipment shall provide non-blocking cross connect capability of 64 STM-1 (bi-directional) at high order VC-4 level and as well as low order VC-12 level.	
6	<b>Clause No 2.8.4 of Vol II</b>	<b>Service Channel</b> Service channels shall be provided as a function of the SDH equipment and shall be equipped with Service Channel Modems that shall provide at a minimum: One voice channel (order wire) with analog interface (0.3 to 3.4 kHz) and one data channel. Both omnibus and selective calling facilities shall be provided. There shall be a facility to extend the line system order-wire to any other system or exchange lines on 2W/4W basis.	<b>Service Channel</b> Service channels shall be provided as a function of the SDH equipment and shall be equipped with Service Channel Modems that shall provide at a minimum: <b>Eight</b> voice channel (order wire) with analog interface (0.3 to 3.4 kHz) and <b>Four</b> data channel <b>with Opto Coupler Interface for V.24/V.28 Interface.</b> Both omnibus and selective calling facilities shall be provided. There shall be a facility to extend the line system order-wire to any other system or exchange lines on 2W/4W basis.	
7	<b>Clause 2.3.2 Average Annual Turnover</b>		<b>Table 3</b>	S.No 4 and 6
8	<b>Clause 2.3.3 Financial Resources</b>		<b>Table 4</b>	S.No 4, 7, 8, 9 and 10

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9	BOQ	Original BOQ	BOQ has been modified	S.No27, 28 and 29
	<b>Section 9: Contract Forms, Appendix 1: Terms and Procedures of Payment, (A) Terms of Payment</b>			
	<b>Schedule No. 1 &amp; 2 - Plant and Mandatory Spare Parts Supplied from Abroad and Within the Employer's Country respectively.</b>			
10	<b>A. Advance Payment.:</b>	The advance will be adjusted at the rate of <b>25% of the advance amount</b> from each subsequent bill till the complete amount of advance is adjust.	The advance will be adjusted at the rate of <b>10% of the taxable invoice value</b> from each subsequent bill till the complete amount of advance is adjust.	S.No 10
11	<b>B. Progressive payments for supply items:</b>	<p>1. Within 60 (sixty) days from the date of submission of the invoice against supply, <b>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 (Subject to availability of fund). However, GST amount on invoice would be paid 100% or as per Govt. Rules.</p> <p>2. Maximum <b>20 (twenty) Nos. of progressive summary supplyinvoice</b> would be entertained.</p> <p>3. Remaining <b>40% (forty percent)</b> retention amount would be released subject to fulfilment of the following conditions –</p> <p>(a) <b>50% of balance supply amount</b> would be paid on completion of <b>50% of the total erection works</b> of the project as per Schedule 4 (Tender Forms).</p> <p>(b) Remaining <b>50% of the supply amount</b> would be paid on completion of <b>100% erection, testing, commissioning and stringing activities</b> of the project as per schedule 4 (Tender Forms), which must be certified by the Project Authority.</p>	<p>1. Within 60 (sixty) days from the date of submission of the invoice against supply, <b>not more than 60% (sixty percent)</b> of the total supply invoice value of that particular item 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.</p> <p><b>2.Deleted</b></p> <p>3. Remaining <b>40% (forty percent) retention amount</b> of that item would be released subject to fulfillment of the following conditions –</p> <p>a) <b>20%</b> supply amount would be paid on completion of 50% of the total erection works of that particular item.</p> <p>b) <b>Next 10%</b> of the supply amount of that supply item would be payable on completion of <b>100% of the total erection, testing, commissioning</b></p>	

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			works of that particular item. b) within 60 (sixty) days after receipt of invoice out of remaining 10% of the supply amount <b>5%</b> would be paid upon issue of the <b>Completion Certificate</b> and balance <b>5%</b> upon issue of the <b>Operational Acceptance Certificate</b> as per clause 25, 26 & 27 of GCC, which should be certified by the Project Authority	
	<b>Schedule No. 4 – Installation, ESMP and Other Services (Installation, commissioning and stringing services including Civil Works)</b>			
12	<b>A. Progressive payments for Erection Works:</b>	<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 of the project as per Schedule4 (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%</p>	<p>1. Within 60 (sixty) days from the date of submission of invoice against foundation, erection &amp; civil works, not more than 90% (Ninety 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. Deleted.</p> <p>3. Deleted.</p> <p>4. Deleted.</p> <p>5. Within 60 (sixty) days after receipt of invoice out of remaining 10% of the supply amount <b>5%</b> would be paid upon issue of the <b>Completion Certificate</b> and balance <b>5%</b> upon issue of the <b>Operational Acceptance Certificate</b> as per clause</p>	

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		erection, testing, commissioning and stringing activities and operational acceptance of the project as per clause 25, 26 & 27 of GCC, which should be certified by the Project Authority.	25, 26 & 27 of GCC, which should be certified by the Project Authority.	
13	<b>VOLUME-I/Section 2: Tender Data Sheet (TDS)/ITT 4.1(b)</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.	

**Note:**

- Please refer to the modified BOQ in the e-tender portal(uploaded along with this minute.)**

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Table 3:

### 2.3.2 Average Annual Turnover(Revised)

Criteria	Compliance Requirements			Documents	
	Single Entity	Joint Venture ( maximum 3 parties allowed including lead Tenderer)		Submission Requirements	
Requirements		All partners combined	Each Partner	One Partner (Lead Partner)	
Minimum average annual turnover of <b>₹29 Crore(Rupees Twenty nine Crores)</b> calculated as total certified payments received for contracts in progress or completed, within the last 3(three) years.	Must meet requirement	Must meet requirement	must meet 25% of the requirement	must meet 55% of the requirement	Form FIN - 2

#### Note:

1. The bidder has to furnish the certificate from the chartered Accountant (CA) registered in India certifying the Project related Annual turnover of the company only (excluding its Associated Companies on Standalone Basis) based on audited accounts of the last five financial years. In case the bidder has executed any project in joint venture/consortium, the project related turnover certified by the chartered Accountant (CA) registered in India should reflect his share of the project related turnover only.
2. In case of Joint Venture/consortium, the bidder shall be furnished independently by each partner duly certified by Chartered Accountant (CA) registered in India

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**Table 4:**

### 2.3.3 Financial Resources(Revised)

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture		Submission Requirements	
		All Partners Combined	Each Partner	One Partner (Lead partner)	
For Single Entities: The Tenderer must demonstrate that its financial resources defined in FIN-3, less its financial obligations for its current contract commitments defined in FIN-4, meet or exceed the total requirement for the Subject Contract. The minimum cash flow shall be <b>₹ 5Crore (Rupees Five Crore)</b> .	Must meet requirement	Not applicable	Not applicable	Not applicable	Form FIN – 3 and Form FIN - 4
The Joint Venture must demonstrate that the combined financial resources of all partners defined in FIN-3, less all the partners' total financial obligations for the current contract commitments defined in FIN-4, meet or exceed the total requirement of be <b>₹ 5Crore (Rupees Five Crore) whereas the lead partners shall have to meet minimum 55% and each partners 25 % of the criteria.</b>	Not applicable	Must meet requirement	must meet minimum 25% of the requirement	must meet minimum 55% of the requirement	Form Fin-3 and Form FIN-4

**Note:**

**2. Please refer to the modified BOQ in the e-tender portal (uploaded along with this minute.)**

Sd/-

Project Director(AIIB)

Assam Electricity Grid Corporation Limited

Bijulee Bhawan, Paltanbazar, Guwahati-781001