



INDRADHANUSH GAS GRID LIMITED (IGGL)

(Joint Venture of IOCL, ONGC, GAIL, OIL and NRL)

GUWAHATI, ASSAM

NORTH -EAST GAS GRID PIPELINE PROJECT

CORRIGENDUM#1

FOR

**MISCELLANEOUS WORKS FOR SCADA & APPS SYSTEM
AND TELECOM SYSTEM FOR FEEDER LINES UNDER
NORTH EAST GAS GRID (NEGG) PROJECT OF M/S
INDRADHANUSH GAS GRID LIMITED (IGGL)**

Tender ID: 2025_IGGL_237956_1

Bid Document No.: 05/51/23VC/IGGL/001(i)-7



**PREPARED AND ISSUED BY
MECON LIMITED**

(A Govt. of India Undertaking)

Delhi, India



INDRADHANUSH GAS GRID LIMITED

CORRIGENDUM # 1
MISCELLANEOUS WORKS FOR SCADA & APPS SYSTEM AND TELECOM SYSTEM FOR FEEDER LINES
UNDER NORTH EAST GAS GRID (NEGG) PROJECT OF M/S INDRADHANUSH GAS GRID LIMITED (IGGL)
Tender no. 2025_IGGL_237956_1 (Tender Ref. No.: 05/51/23VC/IGGL/001(i)-7)



MECON LIMITED

Dated : 15.07.2025

Sl. No.	Description	Volume	Page	Clause / Para / Section	Amendment / Addition / Modification / Deletion	
1	Proforma of "Insurance Surety Bond" (F-2B) for "Earnest Money Deposit/ Bid Security"	I of II	113 of 287	FORMAT F-2B	Addition	Format (F-2B) for Proforma of "Insurance Surety Bond" for "Earnest Money Deposit/ Bid Security" have been enclosed as Annexure-I to this Corrigendum.
2	Proforma of "Insurance Surety Bond" (F-4A) for "Contract Performance Security / Security Deposit"	I of II	118 of 287	FORMAT F-4A	Addition	Format (F-4A) for Proforma of "Insurance Surety Bond" for "Contract Performance Security / Security Deposit" have been enclosed as Annexure-II to this Corrigendum.
3	AVAILABILITY OF TENDER DOCUMENT ON WEBSITE(S)	I of II	8 of 287	2.0 (G) of IFB	Amendment	The clause no. 2.0 (G) of IFB, shall be read as From 24.06.2025 to 22.07.2025 (1400 Hrs, IST) on following websites: (i) IGGL's Tender Website – https://iggl.co.in (ii) Govt. CPP Portal - https://etenders.gov.in (iii) Govt. e-Procurement System of National Informatics Center (GePNIC) portal[e-tender portal] https://etenders.gov.in/eprocure/app (iv) MECON's Tender Website:- www.meconlimited.co.in
4	DUE DATE & TIME OF BID-SUBMISSION (ON OR BEFORE)	I of II	9 of 287	2.0 (I) of IFB	Amendment	The clause no. 2.0 (I) of IFB , shall be read as DUE DATE & TIME OF BID-SUBMISSION (ON OR BEFORE) : Upto 1400 hrs. (IST) on 22.07.2025
5	DATE AND TIME OF UN-PRICED BID OPENING	I of II	9 of 287	2.0 (J) of IFB	Amendment	The clause no. 2.0 (J) of IFB , shall be read as Date : 23.07.2025 Time : At 1500 Hrs (IST) Shall be conducted through Video Conferencing Details of VC via Google Meet - Google Meet joining info Video call link: https://meet.google.com/jxu-bpdg-djb
6	Cut Out Slip	I of II	11 of 287	-	Amendment	The revised cut out slip is enclosed as Annexure-III to this Corrigendum.

All other terms & conditions of tender document remain unaltered.

ANNEXURE-I TO CORRIGENDUM#1

**PROFORMA OF "INSURANCE SURETY BOND" FOR "EARNEST MONEY DEPOSIT/
BID SECURITY"**

(To be stamped in accordance with the Stamp Act)

To, M/s Indradhanush Gas Grid Limited _____	Insurance Surety Bond No.	
	Date of ISB	
	ISB Valid up to (Expiry date)	
	Claim period up to (indicate date of expiry of claim period which includes minimum three months from the expiry date)	
	Stamp Sl. No./e-Stamp Certificate No.	

Dear Sir(s),

In accordance with Tender Document under your reference No _____ M/s. _____ having their Registered / Head Office at _____ (hereinafter called the Tenderer/Bidder), wish to participate in the said tender for _____

As an irrevocable Insurance Surety Bond against Earnest Money Deposit for the amount of _____ is required to be submitted by the Bidder as a condition precedent for participation in the said Tender Document which amount is liable to be forfeited on the happening of any contingencies mentioned in the Tender Document.

We, the _____ [Name & address of the Insurer] at _____ having our Head Office _____ (Local Address) guarantee and undertake to pay immediately on demand without any recourse to the Bidder by Indradhanush Gas Grid Ltd., the amount _____ without any reservation, protest, demur and recourse. Any such demand made by Indradhanush Gas Grid Ltd., shall be conclusive and binding on us irrespective of any dispute or difference raised by the Bidder.

This Insurance Surety Bond shall be irrevocable and shall remain valid up to _____ [this date should be two (02) months beyond the validity of the bid]. If any further extension of this Insurance Surety Bond is required, the same shall be extended to such required period on receiving instructions from Bidder M/s. _____ on whose behalf this Insurance Surety Bond is issued.

Notwithstanding anything contained herein:

- a) The Insurer’s liability under this Insurance Surety Bond shall not exceed (currency in figures) (currency in words only)
- b) This Insurance Surety Bond shall remain in force upto _____ (this expiry date should be two months beyond the validity of bid) and any extension(s) thereof; and

- c) The Insurer shall be released and discharged from all liability under this Insurance Surety Bond unless a written claim or demand is issued to the Insurer on or before the midnight of(indicate date of expiry of claim period which includes minimum three months from the expiry of this Insurance Surety Bond) and if extended, the date of expiry of the last extension of this Insurance Surety Bond. If a claim has been received by us within the said date, all the rights of Indradhanush Gas Grid Limited under this Insurance Surety Bond shall be valid and shall not cease until we have satisfied that claim.

In witness whereof the Insurer, through its authorized officer, has set its hand and stamp on this _____ day of _____ 20__ at _____.

Details of next Higher Authority of the Officials who have issued the Insurance Surety Bond:

Name
Designation

WITNESS:

(SIGNATURE)
(NAME)

(OFFICIAL ADDRESS)

(SIGNATURE)
(NAME)
Designation with Insurer Stamp
E-Mail ID:
Telephone/Mobile No. :
Attorney as per
Power of Attorney No. _____
Date: _____

INSTRUCTIONS FOR FURNISHING "BID SECURITY DEPOSIT/ EARNEST MONEY"
BY "INSURANCE SURETY BOND"

- a) The Insurance Surety Bond shall be from Insurance Regulatory and Development Authority of India (IRDAI) registered general insurance companies as per guidelines issued by Insurance Regulatory and Development Authority of India (IRDAI).
- b) The Employer shall be the Creditor, the Bidder shall be the Principal debtor and the Insurance company/Insurer shall be the Surety in respect of the Insurance Surety Bond to be issued by the Insurer.
- c) The Insurance Surety Bond should be on Non-Judicial stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the state(s) where the Insurance Surety Bond is submitted or is to be acted upon or the rate prevailing in State where the Insurance Surety Bond is executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Bidder/Insurer issuing the Insurance Surety Bond.
- d) The expiry date should be arrived at in accordance with "ITB: Clause-16 ".
- e) A letter from the issuing insurer of the requisite Insurance Surety Bond confirming that said Insurance Surety Bond / all future communication relating to the Insurance Surety Bond shall be forwarded to the Purchaser at its address as mentioned at "ITB".
- f) Bidder must indicate the full postal address of the Insurer along with the Insurer's E-mail / Fax / Phone from where the Insurance Surety Bond has been issued.

MATTER TO BE MENTIONED IN COVERING LETTER TO BE SUBMITTED BY
VENDOR ALONG WITH INSURANCE SURETY BOND

1	INSURANCE SURETY BOND NO	:				
2	VENDOR NAME / VENDOR CODE	:	NAME			
			VENDOR CODE			
3	INSURANCE SURETY BOND AMOUNT	:				
4	TENDER NO	:				
5	NATURE OF INSURANCE SURETY BOND	:				
	(Please Tick (√) Whichever is Applicable		PERFORMANCE INSURANCE SURETY BOND	SECURITY DEPOSIT	EMD	ADVANCE
6	INSURER DETAILS					
(A)		EMAIL ID	:			
(B)		ADDRESS	:			
(C)		PHONE NO	:			

ANNEXURE-II TO CORRIGENDUM#1

PROFORMA OF "INSURANCE SURETY BOND" FOR "CONTRACT PERFORMANCE
SECURITY / SECURITY DEPOSIT"
(ON NON-JUDICIAL STAMP PAPER OF APPROPRIATE VALUE)

To, M/s Indradhanush Gas Grid Limited _____	Insurance Surety Bond No.	
	Date of Insurance Surety Bond	
	Insurance Surety Bond Valid up to (Expiry date)	
	Claim period up to (indicate date of expiry of claim period which includes minimum three months from the expiry date)	
	Stamp Sl. No./e-Stamp Certificate No.	

Dear Sir(s),

M/s. _____ having registered office at _____ (herein after called the “Contractor/Supplier” which expression shall wherever the context so require include its successors and assignees) have been placed/ awarded the job/work of _____ vide PO/LOA /FOA No. _____ dated _____ for Indradhanush Gas Grid Limited having registered office at 7th Floor, NRL Centre, G. S. Road, Christian Basti, Guwahati, Assam-781005 (herein after called the “IGGL” which expression shall wherever the context so require include its successors and assignees).

The Contract conditions provide that the CONTRACTOR/SUPPLIER shall pay a sum of Rs. _____ (Rupees _____) as full Contract Performance Guarantee in the form therein mentioned. The form of payment of Insurance Surety Bond executed by Insurer, undertaking full responsibility to indemnify Indradhanush Gas Grid Limited, in case of default.

The said M/s. _____ (herein after called the “insurer” which expression shall wherever the context so require include its successors and assignees) has approached us and at their request and in consideration of the premises we having our office at _____ have agreed to give such guarantee as hereinafter mentioned.

1. We _____ hereby undertake to give the irrevocable & unconditional guarantee in form of Insurance Surety Bond to IGGL that if default shall be made by M/s. _____ in performing any of the terms and conditions of the tender/order/contract or in payment of any money payable to Indradhanush Gas Grid Limited we shall on first demand, pay without demur, contest, protest and/ or without any recourse to the contractor to IGGL in such manner as IGGL may direct, the said amount of Rupees _____ only or such portion thereof not exceeding the said sum as you may require from time to time.

2. You will have the full liberty without reference to us and without affecting this Insurance Surety Bond, to postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the order/contract with the said M/s. _____ and to enforce or to forbear from endorsing any powers or rights or by reason of time being given to the said M/s. _____ and such postponement forbearance would not have the effect of releasing the insurer from its obligation under this debt.
3. Your right to recover the said sum of Rs. _____ (Rupees _____) from us in manner aforesaid is absolute & unequivocal and will not be affected or suspended by reason of the fact that any dispute or disputes have been raised by the said M/s. _____ and/or that any dispute or disputes are pending before any officer, tribunal or court or arbitrator or any other authority/forum and any demand made by you to the Insurer shall be conclusive and binding. The Insurer shall not be released of its obligations under these presents by any exercise by you of its liberty with reference to matter aforesaid or any of their or by reason or any other act of omission or commission on your part or any other indulgence shown by you or by any other matter or changed what so ever which under law would, but for this provision, have the effect of releasing the insurer.
4. The Insurance Surety Bond herein contained shall not be determined or affected by the liquidation or winding up dissolution or changes of constitution or insolvency of the said supplier/contractor but shall in all respects and for all purposes be binding and operative until payment of all money due to you in respect of such liabilities is paid.
5. The Insurer undertakes not to revoke this Insurance Surety Bond during its currency without your previous consent and further agrees that the Insurance Surety Bond shall continue to be enforceable until it is discharged by IGGL in writing. However, if for any reason, the Contractor/Supplier is unable to complete the supply/work within the period stipulated in the order/contract and in case of extension of the date of delivery/completion resulting extension of defect liability period/guarantee period of the supplier/contractor fails to perform the supply/work fully, the insurer hereby agrees to further extend this Insurance Surety Bond at the instance of the Contractor/Supplier till such time as may be determined by IGGL. If any further extension of this Insurance Surety Bond is required, the same shall be extended to such required period on receiving instruction from M/s. _____ (contractor) on whose behalf this Insurance Surety Bond is issued.
6. Insurer also agrees that IGGL at its option shall be entitled to enforce this Insurance Surety Bond against the Insurer (as principal debtor) in the first instant, without proceeding against the Contractor/Supplier and notwithstanding any security or other guarantee that IGGL may have in relation to the Contractor/Supplier's liabilities.
7. The amount under the Insurance Surety Bond is payable forthwith without any delay by Insurer upon the written demand raised by IGGL. Any dispute arising out of or in relation to the said Insurance Surety Bond shall be subject to the exclusive jurisdiction of courts at Guwahati.
8. Therefore, we hereby affirm that we are guarantors and responsible to you on behalf of the Contractor/Supplier up to a total amount of _____ (amount of guarantees in words and figures) and we undertake to pay you, upon your first written demand declaring the Contractor/Supplier to be in default under the order/contract and without caveat or

argument, any sum or sums within the limits of (amounts of guarantee) as aforesaid, without your needing to prove or show grounds or reasons for your demand or the sum specified therein.

9. We have power to issue this Insurance Surety Bond in your favor under our Memorandum and Articles of Association, and the undersigned has full power to sign and execute documents under the Power of Attorney, dated _____ granted to him by the Insurer.
10. Notwithstanding anything contained herein:
- a) The Insurer’s liability under this Insurance Surety Bond shall not exceed (currency in figures) (currency in words only)
 - b) This Insurance Surety Bond shall remain in force upto _____ (this date should be 90 days beyond the expiry date of defect liability period of the Contract) and any extension(s) thereof; and
 - c) The Insurer shall be released and discharged from all liability under this Insurance Surety Bond unless a written claim or demand is issued to the Insurer on or before the midnight of(indicate date of expiry of claim period which includes minimum three months from the expiry of this Insurance Surety Bond) and if extended, the date of expiry of the last extension of this Insurance Surety Bond. If a claim has been received by us within the said date, all the rights of IGGL under this Insurance Surety Bond shall be valid and shall not cease until we have satisfied that claim.

Details of next Higher Authority of the Officials who have issued the Insurance Surety Bond:

Name
Designation

Yours faithfully,

Insurer by its Constituted Attorney

Signature of a person duly
Authorized to sign on behalf of the
Insurer

INSTRUCTIONS FOR FURNISHING
"CONTRACT PERFORMANCE SECURITY / SECURITY DEPOSIT" BY "INSURANCE
SURETY BOND"

- a) The Insurance Surety Bond shall be from Insurance Regulatory and Development Authority of India (IRDAI) registered general insurance companies as per guidelines issued by Insurance Regulatory and Development Authority of India (IRDAI).
- b) The Employer shall be the Creditor, the Bidder shall be the Principal debtor and the Insurance company/Insurer shall be the Surety in respect of the Insurance Surety Bond to be issued by the Insurer.

- c) The Insurance Surety Bond should be on Non-Judicial stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the state(s) where the Insurance Surety Bond is submitted or is to be acted upon or the rate prevailing in State where the Insurance Surety Bond is executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Bidder/Insurer issuing the Insurance Surety Bond.
- d) A letter from the issuing insurer of the requisite Insurance Surety Bond confirming that said Insurance Surety Bond and all future communication relating to the Insurance Surety Bond shall be forwarded to Purchaser.
- e) Supplier/Contractor shall submit attached cover letter (Annexure) while submitting Contract Performance Security / Security Deposit.

MATTER TO BE MENTIONED IN COVERING LETTER TO BE SUBMITTED BY VENDOR ALONG WITH INSURANCE SURETY BOND

1	INSURANCE SURETY BOND NO	:				
2	VENDOR NAME / VENDOR CODE	:	NAME			
			VENDOR CODE			
3	INSURANCE SURETY BOND AMOUNT	:				
4	PURCHASE ORDER/ LOA NO	:				
5	NATURE OF INSURANCE SURETY BOND	:				
	(Please Tick (✓) Whichever is Applicable		PERFORMANCE INSURANCE SURETY BOND	SECURITY DEPOSIT	EMD	ADVANCE
6	INSURER DETAILS					
(A)		EMAIL ID	:			
(B)		ADDRESS	:			
(C)		PHONE NO	:			

ANNEXURE-III TO CORRIGENDUM#1

CUT-OUT SLIP

DO NOT OPEN - THIS IS A QUOTATION

**Tender Ref. No. : 05/51/23VC/IGGL/001(i)-7
(Tender ID no. 2025_IGGL_237956_1)**

**Description : TENDER DOCUMENT FOR
MISCELLANEOUS WORKS FOR
SCADA & APPS SYSTEM AND
TELECOM SYSTEM FOR FEEDER
LINES UNDER NORTH EAST GAS
GRID (NEGG) PROJECT OF M/S
INDRADHANUSH GAS GRID
LIMITED (IGGL)**

Bid Due Date& Time : On 22.07.2025 at 1400 Hrs

From:

To:

.....	<i>The Sr. General Manager (Contracts)</i>
.....	<i>MECON LIMITED</i>
	<i>15TH FLOOR, NORTH TOWER,</i>
	<i>SCOPE MINAR,</i>
	<i>LAXMI NAGAR,</i>
	<i>DELHI – 110092</i>
	<i>Ph No.: 91-11-22401100/ 22401103</i>
	<i>Fax No.: 91-11-22041214</i>
	<i>Email : cont-delhi@mecon.co.in</i>

(To be pasted on the envelope containing Physical documents)

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INDRADHANUSH GAS GRID LIMITED (IGGL)

(Joint Venture of IOCL, ONGC, GAIL, OIL and NRL)

GUWAHATI, ASSAM

NORTH -EAST GAS GRID PIPELINE PROJECT

REPLY TO PRE BID QUERIES FOR MISCELLANEOUS WORKS FOR SCADA & APPS SYSTEM AND TELECOM SYSTEM FOR FEEDER LINES UNDER NORTH EAST GAS GRID (NEGG) PROJECT OF M/S INDRADHANUSH GAS GRID LIMITED (IGGL)

Tender ID: 2025_IGGL_237956_1

Bid Document No.: 05/51/23VC/IGGL/001(i)-7



PREPARED AND ISSUED BY

MECON LIMITED

(A Govt. of India Undertaking)

Delhi, India



Reply to Pre-Bid Queries
MISCELLANEOUS WORKS FOR SCADA & APPS SYSTEM AND TELECOM SYSTEM FOR FEEDER LINES UNDER NORTH EAST GAS GRID (NEGG) PROJECT OF M/S
INDRADHANUSH GAS GRID LIMITED (IGGL)

Tender no. 2025_IGGL_237956_1(Tender Ref. No.: 05/51/23VC/IGGL/001(i)-7)



MECON LIMITED

INDRADHANUSH GAS GRID LIMITED

Dated : 15.07.2025

Sl.No.	Document No.	CL. No.	Section	Section Detail/Description	Clarification / Deviation	MECON's Reply
1	General			Power Supply	Bidders understanding is that -48 VDC (positive grounded) will be available at all the attended & unattended stations and 230 VAC will be available at all the attended stations. Please confirm, whether bidder's understanding is correct.	Refer Cl. No. 9.2 of Particular Job Specification of Vol II of II provided in tender for details of power supply for Type-1 MPLS-TP 910G) equipment and Type-1 RTU. For Type-2 MPLS-TP equipment and Type-2 RTU, the power supply shall be skid based solar power supply which is in scope of bidder. Refer MR line Item nos T.S.9 and T.S.10 and Cl. No. 2.2.8 of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II provided in the tender for details. Rest tender conditions prevail.
2	General			OFC Type	Bidders understanding is that the OFC cable type is G.652D. Please confirm, whether bidder's understanding is correct.	Bidder's understanding is correct. Rest tender conditions prevail.
3	General			Equipment Distribution	Please provide the station wise equipment distribution details.	It shall be provided to successful bidder during detail engineering. Rest tender condition prevails.
4	General			Cable length from camera location	Bidder's understanding is that at all the SV/IP stations, cable length from camera location to the telecom equipment cabinet are 50 Meters approx. Please confirm, whether Bidder's understanding is correct.	All cables and all required accessories for each supplied equipment shall be provided as per site requirement. Refer Cl. No. 2.2.18, 2.2.21, 2.2.22 of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II provided in the tender for details. Rest tender conditions prevail.
5	Doc. Name: Particular Job Specification PJS No :MEC/05/E5/T/23VC/SPUR/PJS-098 Rev. 0			The feeder lines are proposed in state of Assam and Tripura as per the tender.	Bidder requests to provide stations information along with power availability for each station present in Assam & Tripura. Bidder requests to provide the pipeline schematic diagram, Drawings, Station details, total length of the pipeline and link distance between pipeline stations.	It shall be provided to successful bidder during detail engineering. Rest tender condition prevails.
6	General			Pipeline Schematic Diagram	Bidder requests to provide the pipeline schematic diagram along with distances.	It shall be provided to successful bidder during detail engineering. Bidder to note that the link distance between any 2 Type-2 MPLs-TP equipment shall not exceed 20 KM. Rest tender condition prevails.
7	Bid Document No.: 05/51/23VC/IGGL/001(i)-7 Volume – II OF II			List of Vendors for Bought-Out Items	Bidder requests & proposes to include following vendors for this project: 1. Cables - Elkay Telelinks 2. Consoles & printer table - Tanswa 3. Ethernet switches & routers - D Link , Fortinet , Mrotek 4. UTP/Communication cables - Orient Cables, Elkay Telelinks 5. Barriers - LSP 6. Junction Box - TRIBOX	Tender Conditions Prevail.

8	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			Bidder shall provide Intrinsically Safe Mobile phones with 4G/LTE cellular connectivity at each main location. These mobile phones shall be suitable to operate in Zone 1 IIA/IIB T3 environment and certified by PESO. The mobile phones shall have 4" capacitive display with shock resistant and scratch resistant glass, 5 MP camera, GPS/Glonass connectivity, Bluetooth and WIFI connectivity. The device shall have android-based OS and min 8 hrs battery backup. It shall be provided with Headset and Charger.	The explosion proof mobile phone is not specified in MR. Please confirm and clarify the requirement of Explosion Proof Mobile phone under this project.	Explosion Proof Mobile, its headset and its charger shall not be supplied and is not included in the scope of the bidder. Rest Tender conditions prevail.
9	Doc. Name: Particular Job Specification PJS No :MEC/05/E5/T/23VC/SPUR/PJS-098 Rev. 0			Power Availability for Type-2 MPLS-TP System	Please provide power availability for Type-2 MPLS-TP equipment along with maximum allowable load.	For Type-2 MPLS-TP equipment and Type-2 RTU, the power supply shall be skid based solar power supply which is in scope of bidder. Refer MR line item nos T.S.9 and T.S.10 and Cl. No. 2.2.8 of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
10	Doc. Name: Particular Job Specification PJS No :MEC/05/E5/T/23VC/SPUR/PJS-098 Rev. 0			Suitable fully wired explosion proof junction box shall be provided by the bidder for housing of Type-2 MPLS-TP equipment and the MPLS-TP type 2 equipment shall be installed in that explosion proof junction box. Separate junction box shall be provided with each MPLS-TP type-2 equipment and both the junction box shall be connected together to form 1 set of junction box.	Bidders understanding is that for each Type-2 MPLS-TP location, two Junction Boxes (JBs) are required — one dedicated for the MPLS-TP equipment and the other for housing PoE Switches, FOPP, Converters, etc. Please confirm, whether Bidder's understanding is correct.	Bidder's understanding is not correct. Refer Cl. No. 2.2.2 v) and 2.2.2 vi) of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
11	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			Suggested Telecommunication System Block Diagram	Bidder's understanding that both Type-1 & Type-2 MPLS-TP equipment shall operate at 10GE line rate. Bidder requests to provide the suggested telecommunication system block diagram along optical link with distances for MPLS-TP system, IP-PBX system & CCTV system.	Bidder's understanding is not correct. Refer Cl. No. 2.2.2 ii) and 2.2.2 iii) of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
12	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			The configuration of the nodes should be easily expanded by adding plug-in-units and modifying software settings.	Type-2 MPLS-TP equipment has fixed configuration (i.e. non-modular configuration), which is equipped with fixed no. 10G, 1G and 10/100/1000BASE-T interfaces. Bidder's understanding is that node expansion is not applicable for Type-2 MPLS-TP equipment. Please conform, whether Bidder's understanding is correct.	Bidder's understanding is correct. Refer Specification of Type-2 MPLS-TP equipment provided in Cl. No. 3.9.1 of Technical specification (TS No. MEC/05/E5/T/TS-097M Rev.: 1) of Vol II of II for details. Rest tender conditions prevail.
13	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			Optical Link Budget Calculations: Connector Loss: 0.5 dB per connector 4 connectors per link	As per datasheet of 10GE SFP+ transceiver module, Tx power (transmitted from A-End equipment) and Rx power (received at Z-End equipment) is included with the optical connector loss (i.e., 0.5dB) of SFP+ transceiver module of MPLS-TP equipment one each at A-End and Z-End of the optical link. Therefore, Bidder proposes that the connector loss shall be considered for 2 connectors per link (i.e. connector loss of FTC/FOPP Rx fibre core at A-End Station & Z-End Station). Bidder requests to accept two optical connectors per link.	Tender Conditions Prevail.

14	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			Future optical link margin Please confirm, whether bidder's understanding is correct.	Bidders understanding is that future optical link budget margin shall be 6dB and an additional 2dB cable plant repair margin. (i.e. total 8dB future margin). Please confirm, whether bidder's understanding is correct.	Bidder's understanding is correct. Rest tender conditions prevail.
15	Doc. Name: Particular Job Specification for Telecommunication System PJS No: PJS No :MEC/05/E5/T/Q7TN/PJS-097 Rev.: 0			4 Nos. Type-1 MPLS-TP (10G) equipment, fully wired with free standing Rack (Rack dimensions 2000mm (H) x 800mm (W) x 800mm (D) + 100 mm plinth) shall be free issued to the bidder for installation, integration, testing and commissioning. The no. of free issued equipment shall be finalized during detail engineering and same shall be final and binding to the bidder.	Bidder's understanding is that that total 5 nos. of Type-I MPLS-TP equipment are required under this project. Out of 5, 4 nos. of type-1 MPLS-TP equipment are free-issued by IGGL and 1 no. of Type-1 MPLS-TP equipment is required in Assam as per MR. Please confirm, whether Bidder's understanding is correct.	Bidder's understanding is not correct. Refer Cl. No. 2.2.1 i) , 2.2.1 ii) of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
16	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			The MPLS-TP system shall have location wise uptime report generation and the same shall be interfaced with SCADA system for viewing node failure alarm, critical alarms (MPLS-TP server failure, power supply failure, cross connect failure, Optical and Ethernet Card Failure) along with MPLS-TP uptime reports. Bidder shall provide all hardware, software, protocol converters like SNMP to OPC, licenses, cables required for interfacing with SCADA system. Bidder to note that SCADA system works on OPC protocol. Bidder shall co-ordinate with SCADA vendor for any type of interface requirements.	The supply of SNMP to OPC protocol converter is not specified in MR. Please clarify the requirement of SNMP to OPC protocol converter. Also provide more details related to integration of SCADA System Also, please clarify the requirement of uptime report generation which shall be interfaced with SCADA system.	Uptime monitoring to be provided for all IP devices supplied by the bidder. It shall be integrated with SCADA system on OPC protocol. All hardware and software required for the same is included in the scope of the bidder. The Uptime Monitoring System software shall be installed in the existing cleint machine of existing EPABX system at existing MMS, BMS-1 and BMS-2 locations. Rest tender conditions prevail.
17	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			Type-1 MPLS-TP (10G) at DT-Haldia and RT-Panagarh: - 10G Optical Line Interface (Min): 06 nos. - 1G Optical Line Interface (Min): 02 nos. - 10/100/1000BASE-T Electrical Interface (Min): 24 nos. - 10/100BASE-T Electrical Interface (Min): 08 nos. Type-1 MPLS-TP (10G) at all other stations: - 10G Optical Line Interface (Min): 06 nos. - 1G Optical Line Interface (Min): 02 nos. - 10/100/1000BASE-T Electrical Interface (Min): 16 nos. - 10/100BASE-T Electrical Interface (Min): 16 nos.	As per MR Sr. No. T.S.1, Type-1 MPLS-TP Equipment quantity is 01 no. only (for Assam state). However, Type-1 MPLS-TP Equipment Configuration table specifies that Type-1 MPLS-TP equipment shall be provided at DT-Haldia and RT-Panagarh stations. Please clarify. Also, clarify the requirement of Type-1 MPLS-TP Equipment at other stations.	the supply of Type-1 MPLS-TP equipment shall be as per the quantity mentioned in the MR. Refer Cl. No. 2.2.1 i) , 2.2.1 ii) of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.

18	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			<p>The requirement mentioned in equipment configuration of each type of are minimum interfaces required of each type. However, if higher number of interface of any type is required to meet the tender requirements, the same shall be provided as per the telecom network configuration design approved during detail engineering without any cost implication to IGGL/ MECON.</p> <p>Also, 25% spare shall be available for 10/100/1000 base-T (fixed) and 10/100 base-T (fixed) interfaces (with SFP/ SFP+/ XFP) after utilization of all ports as required as per approved telecom network configuration.</p>	<p>As per Traffic Interfaces specified in Technical Specifications (Page 32 of 54), 25 nos. of LAN services are required as follows:</p> <ol style="list-style-type: none"> 1. 100 Mbps SCADA LAN: 02 nos. 2. 20 Mbps RTU LAN: 02 nos. 3. 20 Mbps HP LAN: 02 nos. 4. 10 Mbps NMS LAN: 02 nos. 5. 100 Mbps LAN MPLS-TP Interfacing: 02 nos. 6. 500 Mbps CCTV LAN: 02 nos. 7. 20 Mbps PLC LAN: 02 nos. 8. 40 Mbps EPABX LAN: 02 nos. 9. 10 Mbps STS LAN: 02 nos. 10. 10 Mbps Web LAN 12. 400 Mbps PIDS LAN: 02 nos. 13. 10 Mbps PAGA LAN: 01 no.2 14. 20 Mbps Spare LAN: 02 nos. 15. 50 Mbps LAN for future: 02 nos. 16. 50 Mbps SCADA RWS LAN: 02 nos. <p>As per Type-1 MPLS-TP Equipment Configuration table, there are 32 nos. of Ethernet interfaces to cater the above traffic requirement (i.e. 25 nos. of LAN services approx.). Also an additional 25% spares are requested.</p> <p>Bidder's understanding is that 25% spare Ethernet interfaces shall be considered within 32 nos. of equipped Ethernet interfaces.</p> <p>Please confirm, whether Bidders understanding is correct.</p>	Bidder's understanding is correct. Rest tender conditions prevail.
19	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			<p>Setting up of MPLS-TP link under feeder line MPLS-TP network. The MPLS-TP Type-2 Equipment at each station shall function in redundant configuration (i.e., 2 equipment installed in each station shall be configured such that they shall be in redundant configuration. In event of failure of one equipment, all communication shall continue through other equipment).</p>	<p>Bidders understanding is that 2 nos. of Type-2 MPLS-TP equipment shall be provided at 22 locations.</p> <p>Please confirm, whether Bidder's understanding is correct.</p> <p>However, Type-2 MPLS-TP equipment shall be equipped with 2 nos. of 10G optical line interfaces. Both 10G optical line interfaces will be utilised for the connectivity with the neighbouring node within MPLS-TP network. There are no additional 10G interfaces for the Tie-In interfacing between two Type-2 MPLS-TP equipments.</p> <p>With this equipment configuration we can create a single MPLS-TP ring of all the 22 nodes. However, MPLS-TP ring with 22 nodes may not provide sub 50ms protection switching.</p> <p>Therefore, Bidder requests to reconsider the equipment configuration of Type-2 MPLS-TP equipment.</p>	Bidder's understanding is not correct. The locations of the Type-2 MPLS-TP equipment shall be provided to the successful bidder during detail engineering. Refer Cl. No. 2.2.2 ii) and 2.2.2 v) of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
20	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			<p>Following Traffic interfaces as a minimum shall be configured in respective Equipment–</p> <ul style="list-style-type: none"> - 20 Mbps point to point LAN at each station on either direction for data transfer for RTU. - 10 Mbps shared LAN shall be configured at each station for NMS application - Shared LAN for CCTV as per the bandwidth requirement of CCTV - 10 Mbps shared LAN for EPABX system - 1 no. 50 Mbps shared LAN to be configured for future use 	<p>There are only 5 nos. of LAN services to be provided on Type-2 MPLS-TP equipment.</p> <p>Bidder's understanding is that all the 5 LAN services are non-redundant including RTU LAN, EPABX LAN & CCTV LAN.</p> <p>Please confirm, whether Bidder's understanding is correct.</p>	Bidder's understanding is correct. Rest tender conditions prevail.

21	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			<p>Type-2 MPLS-TP Equipment shall be equipped with the following interfaces:</p> <ul style="list-style-type: none"> - 10G Optical Line Interface (Min): 02 nos. - 1G Optical Line Interface (Min): 04 nos. - 10/100/1000BASE-T Electrical Interface (Min): 04 nos. <p>The requirement mentioned in equipment configuration of each type of are minimum interfaces required of each type. However, if higher number of interface of any type is required to meet the tender requirements, the same shall be provided as per the telecom network configuration design approved during detail engineering without any cost implication to IGGL/ MECON.</p> <p>Also, 25% spare shall be available for 10/100/1000 Base-T (fixed) and 10/100 Base-T (fixed) interfaces (with SFP/ SFP+/ XFP) after utilization of all ports as required as per approved telecom network configuration.</p>	<p>As per Traffic Interfaces specified in Technical Specifications (Page 44 of 54), Ethernet interfaces requirement is as follows:</p> <ol style="list-style-type: none"> 1. 20 Mbps RTU LAN (Point-to-Point LAN) 2. 10 Mbps Shared NMS (Shared LAN) 3. CCTV LAN (Shared LAN) 4. 10 Mbps EPABX LAN (Shared LAN) 5. 50 Mbps LAN for future: 02 nos. <p>Type-2 MPLS-TP equipment has fixed configuration (i.e. non-modular configuration), which is equipped with fixed no. 10G, 1G and 10/100/1000BASE-T interfaces.</p> <p>As per Type-2 MPLS-TP Equipment Configuration table, 04. no. of 10/100/1000BASE-T interfaces are not sufficient to cater the above Ethernet traffic requirement (5 nos. of LAN services). Also an additional 25% spares can not be provided.</p> <p>Bidder requests to confirm and clarify the traffic interface requirement under this project and also relax the clause of 25% spare interfaces of 10/100/1000BASE-T and 10/100BASE-T interfaces.</p>	The traffic interface requirement shall be as mentioned in clause no. 3.9.1 35) of Technical Specification (TS No. MEC/05/E5/T/TS-097M Rev 01). The future LAN indicated in the clause is considering the 25% spare requirement and additional 25% spare is not required to be provided. Rest tender conditions prevail.
22	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			<p>The Equipment shall be DIN RAIL mounted and suitable for installation in explosion proof junction box (which is suitable for installation in hazardous area Zone-1, Gr IIA/ IIB as per IEC 60079)</p>	<p>Bidder's understanding is that the ex-proof junction box will be installed on the pole.</p> <p>Please confirm, whether Bidder's understanding is correct.</p>	Bidder's understanding is not correct. Refer M Cl. No. 2.2.14 of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
23	NMS Datasheet			<p>NMS Client Workstation Hardware Configuration:</p> <ul style="list-style-type: none"> - Super Multi DVD writer, Min 16x 	<p>All the reputed IT server OEM does not provide built-in DVD R/W drive. Bidder proposes to use an external DVD R/W drive.</p> <p>Therefore, Bidder requests to relax this clause and accept the proposed solution.</p>	If built-in DVD R/W drive is not available with the OEM, external DVD R/W drive shall be provided as per tender requirement. Rest tender conditions prevail.
24	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			<p>For reliability it must be possible to configure the NMS in a warm standby configuration.</p>	<p>Please specify the locations active and standby NMS servers.</p>	The location of NMS servers shall be finalized with succesful bidder during detail engineering. Refer M Cl. No. 2.2.3 of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
25	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			<p>In case of the primary OFC failure, the SCADA system & minimum two voice channel shall be operational through leased line. The switching from primary OFC to leased line shall be automatic.</p>	<p>The leased line is not specified in MR.</p> <p>Please clarify the requirement of leased lines.</p>	Lease line shall be existing and is not included in scope of the bidder. Rest tender conditions prevail.
26	Doc. Name: Particular Job Specification for Telecommunication System PJS No: PJS No :MEC/05/E5/T/Q7TN/PJS-097 Rev.: 0			<p>The explosion proof IP phones considered in the SOR are optional and shall be provided, if required by IGGL/ MECON. The requirement of explosion proof IP phone shall be finalized by IGGL/ MECON during detail engineering</p>	<p>Bidders understanding is that as per MR Sr. No. T.S.7, Ex-proof IP Phones (Qty.: 02 nos.) has been considered as optional.</p> <p>Please confirm, whether Bidder's understanding is correct.</p>	Bidder's understanding is correct. Rest tender conditions prevail.

27	Doc. Name: Material Requisition for Telecommunication System MR No: MEC/05/E5/T/23VC/IGGL/098 Rev.: 2			Explosion Proof PoE powered IP telephones including power supply adaptor, Ethernet Cable & patch cord, mounting kit with required hardware, cabling / accessories, etc. as required complete in all respect as per Particular job specification, technical specification and various clauses as per tender requirement.	Please specify the locations where in Ex-Proof IP/Analogue Phones shall be provided. Also specify the details of the existing IP-PBX system which will be used to interface with the new Ex-proof phones.	Refer Cl. No. 2.2.5 of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
28	Doc. Name: Particular Job Specification for Telecommunication System PJS No: PJS No :MEC/05/E5/T/Q7TN/PJS-097 Rev.: 0			All the phones should be integrated with the existing EPABX of NEGG Pipeline of IGGL. The existing IPEPABX of NEGG pipeline of IGGL has been provided at MMS, Guwahati, BMS-1, Numaligarh and BMS-2, Silchar stations of IGGL. Complete integration of all the telephones supplied by the bidder should be carried out with the existing EPABX such that all the functionality present in the existing IP telephones should be available in the new IP telephones provided by the vendor.	Bidder understanding is that the existing IP-PBX has adequate no. of software licenses from the existing project (IGGL NEGG Phase 1 & 2) for installation of new Ex-proof phones.	Bidder's undertsanding is correct. Refer Cl. No. 2.2.5 d) of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
29	Doc. Name: Material Requisition for Telecommunication System MR No: MEC/05/E5/T/23VC/IGGL/098 Rev.: 2			As per MR Sr. no. T.S.7, 2 nos. of Explosion Proof PoE IP Phone shall be supplied.	Please confirm, whether Bidder's understanding is correct.	As per MR Sr. no. T.S.7, 2 nos. of Explosion Proof PoE IP Phone is included in tender. Tender Conditions Prevail.
30	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			Alphanumeric Display	All the reputed OEM does not provide alphanumeric display. Bidder proposes built-in LED indicator for incoming calls in place of alphanumeric display. Bidder requests to relax this clause and accept the proposed solution.	The built-in LED indicator can be provided if built-in LED indicator is capable to display alphanumeric characters in the display. Rest tender conditions prevail.
31	Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 1			Video: - Lens: Autofocus 30x Optical Zoom, - Focal length: 3.4 to 119mm	Focal Length 3.4 to 119mm stands for 35x optical zoom. However, as per PTZ camera specs, 30x zoom are specified.. Please clarify the requirement of optical zoom.	Stringent of both to be provided, hence, Focal Length 3.4 to 119mm to be provided. Rest tender conditions prevail.
32	Doc. Name: Particular Job Specification for Telecommunication System PJS No: PJS No :MEC/05/E5/T/Q7TN/PJS-097 Rev.: 0			All the CCTV cameras supplied by the bidder shall be integrated with the existing CCTV servers of NEGG Pipeline of IGGL for viewing, recording and storage. All the cameras shall be integrated with existing CCTV server at MMS- Guwahati location.	Bidders understanding is that the existing NVR has adequate no. of software licenses & storage for the recording of new cameras of the existing project (IGGL NEGG Phase 1 & 2) for installation of new cameras. Please confirm, whether Bidder's understanding is correct.	Bidder's undertsanding is correct. Refer Cl. No. 2.2.6 f) of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
33	Doc. Name: Material Requisition for Telecommunication System MR No: MEC/05/E5/T/23VC/IGGL/098 Rev.: 2			PTZ Camera with IR illuminator with housing accessories, Mounting Arrangements, Ethernet switches, Converter, Gateways and necessary accessories etc. as required complete in all respect as per Particular job specification, technical specification and various clauses as per tender requirement	Kindly clarify the distribution of cameras at each station along with its jurisdiction for Management and Recording purpose.	The required details shall be provided to the successful bidder during detail engineering. Rest tender conditions prevail.

34	Doc. Name: Particular Job Specification for Telecommunication System PJS No: PJS No :MEC/05/E5/T/Q7TN/PJS-097 Rev.: 0			Mandatory spares for GPS Clock	The proposed GPS based clocks (both PRC & SRC) are having fixed configuration (non-modular). Bidder requests to relax mandatory spares for GPS clock.	The referred PJS is incorrect and not part of this tender. Refer clause no. 2.3 of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
35	Doc. Name: Particular Job Specification for Telecommunication System PJS No: PJS No :MEC/05/E5/T/Q7TN/PJS-097 Rev.: 0			Mandatory spares for IP EPABX	The proposed IP-PBX system is server based, which is having fixed configuration (non-modular). Bidder proposes to consider mandatory spares of media gateways only. Bidder requests to relax mandatory spares for IP-PBX server and accept the proposed solution.	The referred PJS is incorrect and not part of this tender. Refer clause no. 2.3 of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
36	STANDARD TECHNICAL DATA SHEET, SOLAR PHOTO VOLTAIC (SPV) POWER SUPPLY SYSTEM- IGGL, ANNEXURE – I			3.0 HYBRID SOLAR INVERTER	We request you to remove requirement of Hybrid inverter as it is not feasible option in case of remote site requirement where no power is available. moreover, it is difficult to find a bigger size of zone-2 certified EX-proof JB to place bigger size of inverter. Inverter desipate more heat whic make them difficult to place in ex-proof jb. Hence, it is not a practicle solution to go for offline inverter. Instead we request you to please accept non-redundant MPPT charge controller which will charge batteries as well as power up other instruments/devices. please confirm.	Hybrid Solar Inverter is not required and is not included in scope of the bidder. Refer MR line Item no T.S.9, T.S.10 and Cl. No. 2.2.8 of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
37	STANDARD TECHNICAL DATA SHEET, SOLAR PHOTO VOLTAIC (SPV) POWER SUPPLY SYSTEM- IGGL, ANNEXURE – I			Charger I/O	We request you to accept MPPT charge controller to charge batteries as well as power up other instruments/devices. please confirm.	MPPT charge controller shall be provided by bidder and same is indicated in the tender. Refer MR line Item no T.S.9, T.S.10 and Cl. No. 2.2.8 of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
38	STANDARD TECHNICAL DATA SHEET, SOLAR PHOTO VOLTAIC (SPV) POWER SUPPLY SYSTEM- IGGL, ANNEXURE – I			3x1Ph Grid Charger-FCBC	We request you to remove requirement of 3x1Ph Grid Charger-FCBC	3x1Ph Grid Charger-FCBC is not required and is not included in scope of the bidder. Refer MR line Item no T.S.9, T.S.10 and Cl. No. 2.2.8 of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II for details. Rest tender conditions prevail.
39	Vol-I Sec-III			Bid must be accompanied with earnest money (i.e Earnest Money Deposit (EMD) also known as Bid Security) in the form of 'Demand Draft' / 'Banker's Cheque' / 'Insurance Surety Bond' / 'Fixed Deposit Receipt' / e-bank guarantee / letter of credit [in favour of Indradhanush Gas Grid Limited payable at place mentioned in BDS] or 'Bank Guarantee' strictly as per the format given in form F 2 of the Tender Document.	The format for Insurance Security Bond is missing. Kindly provide the same.	Refer Corrigendum#1
40	VOLUME – II OF II			Serial & Ethernet ports / Remote Terminal Unit	Kindly accept the Ethernet ports for communication with Main Master Station, Emergency Master Station on same CPU cum communication card.	Refer Cl. No. 2.1 y) of Particular Job Specification (PJS No. MEC/05/E5/T/23VC/SPUR/PJS-098) of Vol II of II , wherein it has been mentioned that "the hernet ports available on the CPU can be used for Polling of MMS & BMS-1/ BMS-2 only. The Ethernet ports available on CPU cannot be used for interfacing with any IED. For interfacing with any IEDs, Separate ports shall be provided". Rest tender conditions prevail.

41	VOLUME – II OF II	10	Page 176 of 254	AO Card	Kindly accept 2 channel Analog Output Card	2-Channel AO card is acceptable subject to meeting the specifications provided in the tender. Rest tender conditions Prevail.
42	VOLUME – II OF II	Notes (1)	Page 254 of 254	25% Spare	We understand that 25% spare is applicable only on IO ports and not on Serial ports. Kindly confirm.	Bidder's understanding is correct. Rest tender conditions prevail.
43	VOLUME – II OF II	-	Page 254 of 254	Serial/(RS 485) Ports	We understand that port count mentioned here is for Serial ports only. Kindly confirm.	The port count mentioned is for Serial/ (RS-485) ports. The type of connection shall be finalized during detail engineering. Rest tender conditions prevail.
44	VOLUME – II OF II	Notes (2 & 3)	Page 254 of 254	IO Count	Kindly provide exact no. of IO count as it is not possible to provide additional number of IO modules during detailed engineering without any extra cost. Any increase in IO mod-ules shall be at additional cost.	The I/O count has been provided in the I/O list available in the tender. Refer Annexure-4 (RTU I/O list) provided in the tender. Rest tender conditions prevail.
45	VOLUME – II OF II	7	Page 175 of 254	Digital Inputs	Kindly accept Maximum 16 channel DI card as per OEM standard design.	Refer Cl. No. 7 of Technical Specification of Type-1 RTU (TS No. MEC/S/05/E5/099) wherein it has been clearly mentioned that DI card shall have minimum 16 channel. Hence, 16-channel DI card can be provided. Rest tender conditions prevail.
46	VOLUME – II OF II	7	Page 176 of 254	Analog Inputs	Kindly accept Maximum 8 channel AI card as per OEM standard design.	Refer Cl. No. 9 of Technical Specification of Type-1 RTU (TS No. MEC/S/05/E5/099) wherein it has been clearly mentioned that AI card shall have minimum 8 channel. Hence, 8-channel AI card can be provided. Rest tender conditions prevail.
47	VOLUME – II OF II	2 Scope of Work	Page 30 of 254	Integration and augmentation of all the signals of all the supplied Type-1 RTU and Type-2 RTU with existing SCADA and APPS system of NEGG Pipeline of IGGL at MMS, Guwahati, BMS-1, Numaligarh and BMS-2, Silchar stations of IGGL and all the Remote workstations of SCADA and APPS, including graphics and data base preparation in existing SCADA and APPS system. The spare licenses available in the SCADA system shall be utilized for integration. However, for integration with APPS system, if any license need to be provided, same shall be provided for complete integration as per the requirement for integration of each feeder pipeline of this tender with existing APPS system. The RTUs shall be integrated using DNP 3.0 Protocol over TCP/IP communication with SCADA servers for all RTUs.	Kindly share pipeline elevation and other pipeline parameters	The same shall be provided to succesful bidder during detail engineering. Rest tender conditions prevail.