



INDRADHANUSH GAS GRID LIMITED

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

GUWAHATI, ASSAM

REPLY TO PRE BID QUERIES

FOR

**TELECOMMUNICATION SYSTEM FOR PIPELINE
SECTIONS (1,2,3,4,5,6,7,8,9,12,13&14) UNDER NORTH EAST
GAS GRID PIPELINE PROJCT OF M/s IGGL**

OPEN DOMESTIC COMPETITIVE BIDDING

Tender no.: 05/51/23VC/IGGL/097

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PREPARED AND ISSUED BY

MECON LIMITED

(A Govt. of India Undertaking)

Delhi, India



REPLY TO BIDDERS QUERIES
TELECOMMUNICATION SYSTEM FOR PIPELINE SECTIONS (1,2,3,4,5,6,7,8,9,12,13&14) UNDER NORTH EAST GAS GRID PIPELINE
PROJET OF M/s IGGL
Tender no. : 05/51/23VC/IGGL/097



DATED : 23.03.2022

S.N.	CL. No.	Section/ Page	Section Detail/Description	Clarification / Deviation	MECON's Reply
1	1	265 of 269	Payment Terms	<p>Please note that with the current payment terms projects financials will not be healthy. it will be difficult to sustain the project duration of 44 months. Hence, request you to kindly accept following payment terms:-</p> <ol style="list-style-type: none"> 1. 10% against drawing approval 2. 80% against receipt of materials with 100% GST 3. 5% against Installation on pro-rata basis 4. 5% against commissioning on pro-rata basis. <p>However, if installation & commissioning is delayed for a period of more than 90 days from receipt of material at site for reasons not attributable to contractor, Payment against installation & commissioning shall be released against BG of an equivalent amount within 90 days of dispatch of materials.</p> <p>Also, Kindly accept that payment terms will be applicable on each lot/phase of supply and all payments will be released within 30 days of invoice submission</p>	Tender conditions prevail.
2	1.4	265 of 269	Payment Terms	<p>We understand that this milestone payment shall be released on completion of each phase/lot of work. Kindly confirm.</p>	Tender conditions prevail.
3	Clause 27	58 of 269	Confidentiality	<p>Kindly accept that "Either Party shall protect the confidential information disclosed by the other party provided under this Contract".</p>	Tender conditions prevail.
4	Clause 52	71 of 269	Covid19	<p>Kindly accept Covid19 Clause: In India, according to the Office Memorandum on Force Majeure Clause ("FMC") issued by Ministry of Finance No.F. 18/4/2020-PPD dt. Feb 19, 2020 disruption of supply chains due to spread of corona virus in China or any other country will be covered in the Force Majeure Clause. Further in March, 2020 Government of India has declared Covid19 as a "notified disaster" and World Health Organization (WHO) has categorized Covid19 as a pandemic situation. The Parties [i.e. Purchaser and Seller] are aware of the current outbreak of the Covid19 worldwide which impacts or may impact the normal business and execution of this Contract. The Parties agree that contractor is entitled to any potential cost compensation, time extension, or other reasonably required adjustments in the Contract, if any consequences, whether directly or indirectly resulting out of, or in connection with the Covid19 outbreak, lead to delays in delivery of goods or provision of services, supplies or otherwise affect contractor's contractual obligations and/or duties.</p>	Tender conditions prevail.
5	Clause 27	183 of 269	Price reduction schedule of GCC	<p>Kindly accept Liquidated Damages in place of PRS: Any delay attributed to the contractor beyond agreed date of delivery will attract Liquidated Damage (LD), as a genuine pre-estimated losses and not as penalty, at 0.5% per week or part thereof on the value of the undelivered portion only, subject to maximum 5% on the total value of the undelivered portion. Liquidated Damages to be applicable on lot/phase wise order value. However, in case of any delay for the reason not attributable to the contractor or due to force majeure conditions, the provision of liquidated damages shall not apply. Liquidated Damages shall be the exclusive and the sole remedy available to the Purchaser under this Contract (or Order), tort or any other law applicable for the time being in force.</p>	Tender conditions prevail.
6	Clause 26.1	182 of 269	Force Majeure of GCC	<p>Kindly accept that "10 days" in the place of "72 hours"</p>	Tender conditions prevail.



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7	Clause 45	194 of 269	Contract Performace	Kindly accept that "In case contractor's performance is delayed due to any act of omission on the part of Purchaser or any third party engaged by Purchaser or the end customer then the contractor shall be given due extension of time for the completion of the scope, for a period not less than the duration of the resultant delay in the contractor's performance of the Contract. Purchaser shall grant appropriate cost compensation along with time extension to the contractor".	Tender conditions prevail.
8	Clause 32/ Clause 46 / Clause 77	186 / 194 /208 of 269	Termination of contract + Payment if the contract is terminated + Suspensions of Works of GCC	Kindly accept that "contractor shall be entitled to claim payments from Purchaser for all supplies and/or services completed including work in progress till the date of any termination /expiry /cancel /suspension of this Contract.contractor shall be entitled to claim applicable interest rate from Purchaser for any delayed payments to contractor under this Contract".	Tender conditions prevail.
9	IFB Notes/Sr. No. 2	9 of 269	Warranty & CAMC	Kindly note that for a project duration of 44 months, it is very difficult for any OEM especially IT & NW HW to provide warranty of further 24 months. Hence, request your acceptance of warranty/DLP as 18 months from supply or 24 months from commissioning, whichever is earlier. Also, warranty has to start separately for each lot/phase of supply rather than starting it post 44 months of order. CAMC will start post end of warranty of each lot/phase of supply.	Tender conditions prevail.
10	IFB Notes/Sr. No. 2	9 of 269	Warranty & CAMC	As the the project is being executed in phases the commercial usage of pipeline by end user will also start in phases, hecne warranty + AMC should also start in phases wise. Please confirm bidder's understanding.	Tender conditions prevail.
11			<p>The extended warranty per month rate will be used to allow the contractor to provide and intact the main warranty for the delayed commissioning & handing over of system not attributed to contractor, so that the Main warranty (i.e. 24 months) is made available on successful completion of trial run/ acceptance of system by owner / handing over of system.</p> <p>The extended warranty of complete supplied Telecommunication system (all MPLS-TP equipment, Servers, NMS, CCTV System & cameras, EPABX & IP Phones, Analogue Phones, Mandatory spares, Test equipments etc) will start after 44 months from FOA and shall continue till the start of main warranty as defined in completion schedule; payment of extended warranty shall be as per the rates</p>	<p>Please clarify the two statement. First one mentions that extended warranty will used so that main warranty stands as envisaged while next mentions it be used after 44 months from supply upto start, but sub veendor warranties would have already expired by that time and we will not be paid for extended warranty once the main warranty starts. Hence clarify the mechanism of extended warranty payments and warranty starts.</p>	<p>The extended warranty of complete supplied Telecommunication system (all MPLS-TP equipment, Servers, NMS, CCTV System & cameras, EPABX & IP Phones, Analogue Phones, Mandatory spares, Test equipments etc) will start after 44 months from FOA and shall continue till the start of main warranty as defined in completion schedule; payment of extended warranty shall be as per the rates quoted by the bidder. Rest Tender Conditions prevail.</p>



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S.N.	CL. No.	Section/ Page	Section Detail/Description	Clarification / Deviation	MECON's Reply
12	Clause 2.0/ Clause 81	246 / 210 of 269	Scope of Work & Scope of Supply-Site Service of SCC + Care of work of GCC	Kindly accept that scope of Work shall be as per mutually agreed BOQ between the Parties and any additional scope will entitle contractor additional costs from Purchaser the care and safety of the location and facilities will be in Purchaser scope under this Contract.	The tender is MR based and line items are only for billing purpose. Bidder to consider the tender requirements and quote accordingly in available line item. The system shall be supplied complete in all respect as per tender requirements. Rest Tender Conditions Prevail.
13	Clause 43	192 of 269	Patents and royalties of GCC	It is clarified that all intellectual property rights under this Contract is limited and restricted to the right to use by the Purchaser for the limited purpose of this Contract only. all and any pre-existing intellectual property rights of contractor are not transferred under this Contract and contractor shall be exclusive owner and title holder for contractor pre-existing intellectual property rights and similarly for any third party owned pre-existing intellectual property rights will be exclusively owned by such third party/ies.	Tender conditions prevail.
14	Clause 85	212 of 269	Indemnity of GCC	Kindly accept that "Purchaser shall indemnify contractor from any third party claims if the reasons for the claim(s) are not solely attributable to contractor under this Contract".	Tender conditions prevail.
15			Raw Material, Commodities, Transportation & Other Critical Components	Kindly accept Raw Material, Commodities, Transportation and Other Critical Components The Parties hereby recognize the existence of a global severe shortage of electronic components (including, but not limited to, semiconductors), as well of market volatility in the availability and cost of other raw materials, commodities, transportation, and other critical components and/or elements, for an unpredictable period of time, which may impact normal business and the execution of the scope of delivery in a way and with a timing beyond contractor's control (hereinafter "Excusable Event"). Notwithstanding anything in the contract/terms and conditions/purchase order to the contrary, if after the date of contractor's proposal or order confirmation or during the term of the performance of the contract/purchase order/confirmed purchase order an Excusable Event occurs, so that the costs of the contractor's performance increase or contractor's performance obligations are materially adversely affected, temporarily or permanently prevented or delayed, contractor shall be relieved of any affected obligations and the Parties shall negotiate in good faith equitable adjustments of the contractor's obligations in terms of: a. reasonable extensions of the original date of delivery or completion; b. equitable adjustments in the price, to compensate contractor for any documented increase in components, raw materials, commodity and/or transportation costs; c. possible reductions of the contractually owed quantity of the goods to be delivered to the Customer, with a view to employing reasonable efforts to ensure that the contract/purchase order/confirmed purchase order can at least be filled in part. Agreed liquidated damages, any actual damages, penalties or other fines, otherwise payable by contractor shall not apply for delays directly or indirectly caused by the Excusable Event. Customer cannot invoke such a delay as a cause for termination/cancellation of the Contract/Order, unless otherwise agreed between the Parties. In the event of a prolonged Excusable Event, contractor retains the ability to terminate any affected agreement for convenience, by servicing notice to Customer to this effect. In case of termination/cancellation of the contract/purchase order/confirmed purchase order directly or	Tender conditions prevail.
16	Clause 100	221 of 269	Statutory variation	Kindly accept Statutory variation: Any increase in duties, taxes/levy of new duties/taxes under existing or future laws of State/Central Government including GST & any cost implication on account of change in law shall be paid / reimbursed extra by the Purchaser to contractor which includes for the supply, services of both contractor & its vendor/sub-vendor directly to the end customer.	Tender conditions prevail.



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17	Clause 101	221 of 269	Insurance of GCC	Kindly accept that transit insurance will be in Purchaser scope. There are no insurances in contractor scope.	Tender conditions prevail.
18			Price escalation	Kindly accept that The price as set forth in this Contract has been calculated based on the current prices for the component(s), part(s) and raw material(s) (the "Parts") required to manufacture the products. However, due to the volatility of the prices of the Parts, Seller may encounter significant and potentially unanticipated increases in Parts pricing. Seller agrees to employ its reasonable commercial efforts to maintain the Parts pricing used to determine the price of Products as set forth in this Contract]. However, in the event of an increase in Parts pricing, Seller shall notify Purchaser thereof, and Purchaser shall pay the relevant increased pricing.	Tender conditions prevail.
19	Clause 29/ Clause 30/ Clause 38/ Clause 40/ 97/ Clause 102	184/185/191 /192/220/225 of 269	Failure by the contractor to comply with the provision of the contract+Contract remains liable to pay compensation if action take under clause 29+ Contractor's responsibility with the mechanical electrical, intercommunication system, airconditioning contractors and other agencies + Other agencies at site + Deductions from the contract price + Damage to Property or to any Person or any Third Party of GCC	It is clarified that any liability of the Contractor under this Contract shall be restricted to this Contract only and the recovery shall be limited only to the extent the reasons are solely attributable to the Contractor under this Contract.	Tender conditions prevail.
20	Clause 45	68/269	Governing law and dispute resolution	Kindly accept that this Contract (or Order) shall be governed by and construed in accordance with the laws of India. Any dispute or difference arising out of or in connection with this Contract (or Order), which cannot be settled amicably within thirty (30) calendar days from the notification of such dispute by one Party to the other Party, shall be finally settled under the Arbitration and Conciliation Act, 1996 by sole arbitrator appointed in accordance with the said law. The place of arbitration shall be Bengaluru, India. The language of the arbitration shall be English. The final award shall be binding on the Parties.	Tender conditions prevail.
21			Compliance with anti-corruption law	Kindly accept that "Parties shall adhere and fully comply with the anti-corruption laws. contractor shall strictly adhere with the contractor Code of Conduct"	Tender conditions prevail.
22			Entire agreement	Kindly accept that this Contract constitutes the entire agreement between the Parties with respect to the subject matter of this Contract and supersedes all communications, negotiations and agreements (whether written or oral) of Parties with respect thereto made prior to the date of this Contract.	Tender conditions prevail.
23	Clause 21.1	178 of 269	General Obligation of GCC+ Priority of documents of GCC	Kindly accept that all deviations mentioned in this document shall be integral part and parcel of the Contract and shall supersede and prevail over any other T&Cs of the Contract".	Tender conditions prevail.
24			Storage	We request M/s IGGL/Mecon to kindly provide space for storage in all sections of pipeline.	Storage of all supplied materials is in scope of bidder as per the tender. Rest Tender
25			Bid Due Date	Kindly extend bid due date by min. 4 weeks from date of pre-bid replies.	Tender conditions prevail.



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26			Price schedule	As this project is in phase over multi year's kindly modify price schedule so that bidder's can quote different rates for different phases as prices would not be valid for for 48 month period.	Tender conditions prevail.
27	25	2.2.7	;PRI to Ethernet Converter: 2 X 4 Port PRI to Ethernet converter (TDM Over IP) with power supply, patch cords and mounting accessories, voice mail license, including all hardware and software, accessories and subsystems as per scope and tender requirement shall be provided.	If the bidder proposes to integration of IGGL EPABX with existing EPABX over SIP trunk. Please confirm, if the PRI to Ethernet converter needs to be supplied.	PRI to ethernet converter shall be provided as per the tender. Rest Tender Conditions Prevail.
28	6	T.S.12	Explosion Proof IP Telephones inside Acoustic Booth (including Explosion Proof howler & Explosion Proof flashing beacon) with required hardware, cabling / accessories as per Job Specification PJS & TS.	No Make in India manufacture offers Ex-proof IP phones. Hence Bidder request to relax the requirement of IP based Ex-proof phone and accept Analog Ex-proof phone.	Tender conditions prevail.
29	24	2. SOW	2.2.7 Each IP phone shall be provided with dual SIP license such that it can be used to call IP phones connected to EPABX and IP phones connected to MPLS-TP equipment (VoIP based). The complete system shall be provided such that the EPABX connected IP phone can be used to call VoIP based IP phone and vice –versa	No Make in India manufacture offers Dual SIP based IP phones. Hence Bidder can meet the requirement by providing separate IP phones for EPABX and MPLS-TP connectivity.	Tender conditions prevail.
30	24 118	2. SOW 3.4.51	2.2.7 Technical Specifications of Desktop Operator Console (OPCON):	Bidder understands that proposed solution shall have support of OPCON, however, OPCON shall not be provided. Please confirm if bidders understanding is correct.	OPCON as per the tender has to be provided with each EPABX at EPABX locations. Rest Tender Conditions Prevail.
31	125	3.7.4	12 The overall Video system shall be connected via a dedicated and secured LAN network with the fibre optic /CAT-7 communication system on MPLS-TP network topology	As per tender, Cat7 Cables is required in some systems while Cat6 Cable is required in other systems. Bidders request is to allow usage of Cat6 Cable for all systems. Kindly confirm ?	FRPVC Armoured CAT-7 cables have to be provided by the bidder. CAT-6 cables shall not be acceptable. Rest Tender Conditions Prevail.
32	127	PJS, CCTV	3.7.5 Point - 28 Video Analytics : Motion Detection, No Motion Detection, Sensitivity, Connection, Dual Trip Wire, Object	Bidder understands that mentioned analytics shall be meet by either edged based analytics(onboard on Camera) or by Analytic software. Please confirm if Bidders understanding is correct.	All the analytics features mentioned in tender shall be available on the Analytic software provided by the bidder. Rest Tender Conditions Prevail.
33		General	Power Supply	Bidders understanding is that -48 VDC (positive grounded) will be available at all the attended & unattended stations. Please confirm, whether bidder's understanding is correct.	(+)48V DC shall be provided by Client for Telecom System for all stations for Telecom equipment. Redudndant SMPS for positive isolation has to be provided by bidder and is included in scope of the bidder. Rest Tender Conditions Prevail.



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34		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Clause No. DC-DC Converter Page 37 of 85	F) Monitoring: 1. Shall provide Display for display/ monitoring of the following with accuracy of 1%: a. Input DC Voltage & Current. b. Output DC Voltage & Current 2. Shall provide facility for visual indication/ display/ monitoring of following Alarms locally: a. Input Failure b. Output Failure c. Module failure d. O/p Over Voltage e. O/p Under Voltage f. Overload The above-mentioned alarms shall be categorized under Urgent & Non-urgent alarms depending upon the intensity of the abnormalities. Every Alarm condition shall be accompanied with Audio alarm with the audio cut-off facility. Potential Free contacts shall be provided for the extension of alarms to central location.	Bidder's understanding is that this specifications are applicable to the power supply converter for MPLS-TP equipment only. Please confirm, whether Bidder's understanding is correct.	The referred specification is for any DC-DC converter used for telecom system and not just for MPLS-TP equipment. Rest Tender conditions Prevail.
35		Doc. Name: Particular Job Specification for Telecommunication System PJS No: MEC/05/E5/T/23VC/PJS-097 Rev.: 0, Clause No. 2.1 r) Scope of Work: Page 5 of 33	All the Servers, Clients (NMS, CCTV , NMS client) to be provided with licensed antivirus valid till 4 years	The proposed MPLS-TP NMS server and EPABX NMS works on Linux operating system. Linux provides a high level of security in the operating system. Therefore antivirus are not applicable. However, antivirus and MS-Office software will be provided on the windows based NMS client workstations. Bidder requests to accept the proposed solution.	Acceptable. However, suitable licensed office software for Linux platform shall be provided by the bidder for Linux OS. Rest Tender Conditions Prevail.



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36		Doc. Name: Particular Job Specification for Telecommu- ication System PJS No: MEC/05/E5/I /PJS-097 Rev.: 0, Annexure: XI: Pipeline Schematic Route Diagram DRG No.: MEC/23UU/ 05/28/M/000 /0021 Rev.: 03	DRG No.: MEC/23UU/05/28/M/000/0021 Rev.: 03	In the drawings, 3 colour legends are specified, Please clarify which Colour chainages are to be referred for the link distances between the pipeline station locations. As per drawing there must be 14 sheets. However, Sheet 10 of 14 and Sheet 11 of 14 are missing. Please provide the sheet 10 & 11.	Refer the schematic drawing, all information has been clearly indicated. Section 10 and 11 is not included in scope of contract and hence, sheet 10 and 11 has not been provided. Rest Tender Conditions Prevail.
MPLS-TP System					
37		Doc. Name: Technical Specification for Telecommu- ication Systems Doc No: MEC/05/E5/ T/TS-097M Rev.: 0, Clause No. 2.2 System/ Network design & Engineering and Site Survey Page 4 of 85	The future optical link margin of 6dB (plus 2dB noise margin) as a minimum	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.



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38		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Clause No. 2.2 System/Network design & Engineering and Site Survey Page 4 of 85	All these optical amplifiers, boosters and any other active opto-electronic units, which will be installed along with new MPLS-TP equipment (at those designated locations, preferably in the same chassis) for setting up MPLS-TP (10G) (O) [1+1] layer/tier, shall be from same OEM (or OEM accepted & recommended) of MPLS-TP equipment and shall also be manageable from the new MPLS-TP NMS systems.	Bidder proposes EDFA Booster optical amplifiers (i.e. separate unit outside MPLS-TP chassis) for MPLS-TP 10GbE (1+1) Tier-1 links from different OEM. The alarms from optical amplifier will be extended on MPLS-TP NMS by using an external alarm inputs of MPLS-TP equipment. Bidder requests to accept the proposed solution.	The alarms from optical amplifier can be extended on MPLS-TP NMS by using an external alarm inputs of MPLS-TP equipment. Rest Tender Conditions Prevail.
39		Particular Job Specification for Telecommunication System PJS No: MEC/05/E5/T/23VC/PJS-097 Rev.: 0, Clause No. 2.1 r) Scope of Work: Page 6 of 33	The alarms from amplifiers, DCM Module etc. shall be extended on MPLS-TP NMS by using external alarm inputs of MPLS-TP equipment.	DCM is a passive device used to compensate the dispersion of G.652 optical fiber in long span transmission systems. Bidder requests to withdraw the clause of extension of alarms from DCM module to MPLS-TP NMS.	Alarms from DCM module might not be extended to MPLS-TP NMS if the provision of the same is not available in the DCM Module. Rest Tender Conditions Prevail.



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40		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Clause No. 2.3 Design Guidelines for Optical Link Budget Calculations Page 4 of 85	MPLS-TP (10G)(O) [1+1] link in layer-1 connecting to MPLS-TP (10G) (O) [1+0] link in layer-2 under NEGG MPLS-TP network in line with Telecommunication Network	As per optical link budget calculations, MPLS-TP Tier-1 (1+1) network topology interconnecting DT/RT/IP/TOP requires min. 58 Nos. EDFA amplifiers. Bidder proposes MPLS-TP network with Tier-1 (1+0) and Tier-2 (1+0) ring topology, forming a ring between DT/ RT/ IP/ TOP stations by interconnecting every alternate SV station. With this proposed network layout, the max. hop distance will be 49.6km approx. which will not require EDFA amplifiers. i.e. we will save 58 Nos. of EDFA amplifiers. Bidder requests to accept the proposed solution	Refer Cl. 2.2.1 of PJS -"The maximum distance between stations for The Tier-1 link shall be 65 Kms. However, all IP, DT, RT stations shall be included in Tier-1 link" . Bidder to plan the network architecture accordingly minimizing the requirement of amplifier. Rest Tender Conditions Prevail.
41		Doc. Name: Particular Job Specification for Telecommunication System PJS No: MEC/05/E5/T/23VC/PJS-097 Rev.: 0, Clause No. 2.1 r) Scope of Work: Page 6 of 33	The tier-1 link and tier-2 link stations shall be considered as per following philosophy – - The maximum distance between stations for The Tier-1 link shall be 65 Kms. However, all IP, DT, RT stations shall be included in Tier-1 link. - Tier-2 link shall include all the stations. - In case distance between two Tier-1 link stations exceeds 65 KM, then Necessary Amplifier, DCM module, as required, shall be provided.	Bidder's understanding is that Tier-1 link distance can be higher than 65km subject to availability of min. 8dB future margin. Bidder requests to withdraw the constraint of 65km on Tier-1 link	Tender conditions prevail.



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42		Doc. Name: Technical Specification for Telecommu- nication Systems Doc No: MEC/05/E5/ T/TS-097M Rev.: 0, Clause No. 2.3 Design Guidelines for Optical Link Budget Calculations Page 7 of 85	Optical Link Budget Calculations: Connector Loss: 0.5 dB per connector 4 connectors per link	MPLS-TP 10GbE SFP+ transceiver module transmitted power/ received power includes the optical connector loss at MPLS-TP equipment Tx/Rx end. Therefore, Bidder proposes that the connector loss shall be considered for 2 connectors per link (<i>i.e.</i> 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.
43		Doc. Name: Technical Specification for Telecommu- nication Systems Doc No: MEC/05/E5/ T/TS-097M Rev.: 0, Clause No. 3.3 Technical Specification of MPLS-TP Equipment Page 11 of 85	The MPLS-TP System should be a carrier grade multi-service platform and should be able to support whole new breed of functionalities for efficiently aggregating, switching and managing a mix of global services ranging from applicable optical MPLS-TP services and Layer-2 AND Layer -3 Ethernet services.	MPLS-TP equipment supports Layer-2 Ethernet services for provisioning of Point-to-Point, Point-to- Multipoint and Multipoint-to-Multipoint LAN configuration (EPL, EVPL, EPLAN, EVPLAN). Layer-3 Ethernet services are not supported by many leading OEMs of MPLS-TP system. Bidder requests to withdraw Layer-3 feature.	Tender conditions prevail.



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44		Doc. Name: Technical Specification for Telecommu- nication Systems Doc No: MEC/05/E5/ T/TS-097M Rev.: 0, Clause No. 3.10 Technical Specification of MPLS-TP Equipment Page 12 of 85	MPLS-TP equipment/network shall be compatible for integration with existing SDH optical layer in multiple numbers of minimum STM 4 capacity	Please clarify, is there any interfacing/ integration with the existing SDH equipment? If yes, Please share the details of the existing SDH network along with Make/ Model.	The offered system shall be compatible for integration with SDH in future. Presently, existing SDH is not available. Rest tender conditions prevail.
45		Doc. Name: Technical Specification for Telecommu- nication Systems Doc No: MEC/05/E5/ T/TS-097M Rev.: 0, Clause No. MPLS-TP Equipment Configuratio n Page 22 of 85	At any interface node present requirements with spare (25 % or minimum 2 Nos port -optical) as required has to be considered while designing/ selecting the equipments.	Bidders understanding is that 25% or Min. 2 Nos. optical port is applicable for 10GbE interface only. Please confirm, whether bidder's understanding is correct.	25% or Min. 2 Nos. optical port is applicable for MPLS-TP 10G port. Rest Tender Conditions Prevail.



REPLY TO BIDDERS QUERIES
TELECOMMUNICATION SYSTEM FOR PIPELINE SECTIONS (1,2,3,4,5,6,7,8,9,12,13&14) UNDER NORTH EAST GAS GRID PIPELINE
PROJET OF M/s IGGL
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46		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Clause No. MPLS-TP Equipment Configuration Page 22 of 86	At Tier-1 & Tier-2 locations, MPLS-TP equipment shall be provided with 160Gbps packet switching fabric and the following traffic interfaces: - 10GbE Optical: 06 Nos., - 1GbE Optical: 02 Nos., - 10/100/1000 Base-T (Fixed Electrical Interface) (Min): 16 Nos., - 10/100/1000 Base-T GbE: 02 Nos.	At 7 stations (i.e. SV-10 cum DT, SV-15 cum DT Jorhat, IP1 Shillong, SV-8 cum DT, RT/DT Panisagar, IP for Kubal Field, RT/DT Agartala, there are 3 directions i.e. 9x10GbE interfaces shall be provided along with an additional 25% or Min 02 Nos. of spare 10GbE SFP+ transceivers shall be provided, therefore total 11 Nos. of 10GbE SFP+ transceivers shall be provided. Bidder requests to revise and update the equipment configuration accordingly.	Tender conditions prevail.
47		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Clause No. MPLS-TP Equipment Configuration Page 22 of 86	Each type of optical & Ethernet interface shall be equipped using minimum two nos. of same type/model hardware modules/units in the offered equipments for all sites. However, Base-T 10/100/1000 GbE ports may be provided in a single card also.	Equipping Min. 2 Nos. of optical cards will force Bidder to propose the higher equipment. Bidder proposes equipping optical interface card as per the actual requirement. However, 10GbE [1+1] link will be provided by terminating main path and backup path on two different cards. Bidder requests to allow to provide an additional 10GbE ports (optical ports apart of the packet switch fabric card) on a single card.	Additional 10GbE ports can be provided on a single card. Rest Tender Conditions Prevail.



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48		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Clause No. Remote & Centralized Management of MPLS-TP Equipment/ Network Page 32 of 85	9. The NMS Operating System (OS) should be based on either licensed UNIX or LINUX or MS-Windows with all Anti-Virus provisioning. The NMS software should be user friendly. During warranty period, the anti-virus software shall be upgraded/ updated on regular basis in systems by the vendor without any cost implication to client.	The proposed NMS server application works on Linux operating system. Therefore, Microsoft office & antivirus are not applicable. However, Microsoft office & antivirus will be installed on the MPLS-TP NMS client workstation. Bidder requests to withdraw this clause and accept the proposed solution.	Acceptable. However, suitable licensed office software for Linux platform shall be provided by the bidder for Linux OS. Rest Tender Conditions Prevail.
49		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Clause No. NMS Client Workstation Hardware Configuration Page 34 of 85	NMS Client Workstation Hardware Configuration: - Super Multi DVD writer, Min 16x	All the reputed OEM does not provide built-in DVD R/W drive. Bidder proposes to use an external DVD R/W drive. Therefore, Bidder requests to withdraw this clause and accept the proposed solution.	In case in-built DVD R/W drive is not present in the proposed server or workstation, then separate external USB based DVD R/W drive shall be provided for each such server and workstation. Rest Tender conditions prevail.



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50		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Clause No. Remote & Centralized Management of MPLS-TP Page 29 of 85	Vendor shall plan and supply all necessary hardware and software so as to have the manageability of all the supplied MPLS-TP elements independently from active or master NMS as per the server locations even during OFC link cut in pipeline network or in event of total collapse of any of the NMS system.	Bidder proposes NMS servers in hot standby architecture. NMS client workstations will communicate with the active NMS server. NMS server at Guwahati will be active and NMS sever at Numaligarh & Silchar will be standby configuration with priority. Bidder requests to accept the proposed solution.	The NMS server for MPLS-TP network shall be provided suitable and sufficient to manage all the supplied (+25% additional) MPLS-TP equipment. For the same, additional EMS , as required, (as per MPLS-TP OEM recommendation) shall be provided with each NMS. The NMS of Numaligarh location shall be master. However, the architecture shall be finalised during deatil engineering.
51		Doc. Name: Particular Job Specification for Telecommunication System PJS No: MEC/05/E5/I/PJS-097 Rev.: 0, Clause No. 2.2.1 Scope of Work: Spare Nodes Page 6 of 33	The equipment configuration of each spare telecom for SV station will be similar to SV type equipment, for each spare DT/ RT equipment, configuration shall be similar to DT type equipment of highest configuration.	MPLS-TP Tier-1 & Tier-2 equipment type configurations are identical. Please confirm and clarify, which type of MPLS-TP equipment configuration (SV type equipment or DT/RT equipment) shall be considered for the spare MPLS-TP nodes.	The equipment configuration of Spare MPLS-TP equipment shall be as per the highest equipped MPLS-TP equipment with all accessories supplied by bidder. Rest Tender Conditions Prevail.



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52		Doc. Name: Particular Job Specification for Telecommu- nication System PJS No: MEC/05/E5/I /PJS-097 Rev.: 0, Clause No. 2.2.1 Scope of Work Page 6 of 33	25% spare Ethernet ports shall be provided after consumption of all the ports for each application.	Please provide the Ethernet port utilization details for the present traffic requirement.	Same shall be as per bidder's design and finalized during detail engineering. Rest Tender conditions prevail.
		GPS Clock			
53		Doc. Name: Technical Specification for Telecommu- nication Systems Doc No: MEC/05/E5/ T/TS-097M Rev.: 0, Clause No. 3.2 v) Primary reference Clock (PRC) Page 37 of 85	The alarms from GPS clock will be extended on MPLS-TP NMS.	The alarms from GPS clocks (PRC & SRC) will be extended on MPLS-TP NMS by using an external alarm inputs of MPLS-TP equipment. Bidder requests to accept the proposed solution.	The alarms from GPS clocks (PRC & SRC) can be extended on MPLS-TP NMS by using an external alarm inputs of MPLS-TP equipment. Rest Tender Conditions Prevail.



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54		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Clause No. 3.2 Primary reference Clock (PRC) Page 38 of 85	All modules of the PRS should be replaceable in a hot condition, i.e. when the equipment is powered up and in use.	The proposed GPS based clocks (PRC & SRC) are having fixed configuration (non-modular). Bidder requests to withdraw this clause for GPS clock.	If fixed configuration based GPS clocks are provided, that implies that there is no hot-replaceable module in the clock and hence, Mandatory spares is not applicable for such clock. Rest Tender Conditions Prevail.
55		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Clause No. 3.3. i) Secondary Reference Clock (SRC) Page 39 of 85	SRC clock shall provide minimum 4 x redundant outputs of 2 MHz driving directly from the unit.	Bidders understanding is that PRC shall have dual/ redundant GPS receiver clock (with redundant Rubidium clock module) and shall provide minimum 4 x redundant outputs of 2 MHz. However, SRC shall have non-redundant GPS receiver clock (with non-redundant Rubidium clock module) and shall provide minimum 4 x non-redundant outputs of 2 MHz. Please confirm, whether Bidders understanding is correct.	SRC shall be non-redundant and shall provided 4 x non-redundant outputs of 2 MHz. Rest Tender Conditions Prevail.
		Ethernet Switches			



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56		Doc. Name: Technical Specification for Telecommu- nication Systems Doc No: MEC/05/E5/ T/TS-097M Rev.: 0, Layer-2 & Layer-3 Ethernet Switch for CCTV System Page 76 of 85	Operational Temperature of Layer-2 & Layer-3 Ethernet Switch	Bidder's understanding is that Layer-2 & Layer-3 Ethernet switches shall be commercial grade as it will be installed inside the telecom room. CCTV NVR, CCTV client workstation, IP Cameras (Fixed & PTZ) will be interfaced with MPLS-TP equipment via Layer-3 Ethernet switch. Please confirm, whether bidder's understanding is correct.	Bidder's understanding is correct. Rest Tender Conditions Prevail.
IP EPABX System					
57		Doc. Name: Technical Specification for Telecommu- nication Systems Doc No: MEC/05/E5/ T/TS-097M Rev.: 0, Clause No. 3.4.3 Technical Specification for IP EPABX System Page 41 of 85	The Control Unit/ Server of the system should have redundant configuration for its control processor, memory & power-supply module without any single point of failure	The proposed IP EPABX system is server based with redundant controller, memory & power supply. However, the media gateway (i.e. analog subscriber lines/ CO lines etc.) for IP EPABX system supports redundant power supply and non-redundant controller. Bidder requests to accept the proposed solution.	Redundant controller is not required for Media gateway of EPABX system. Rest Tender Conditions Prevail.



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58		Doc. Name: Technical Specification for Telecommu- nication Systems Doc No: MEC/05/E5/ T/TS-097M Rev.: 0, Clause No. 3.4.8 Technical Specification for IP EPABX System Page 41 of 85	The EPABX system software shall have required Anti-Virus software for the protection of IGGL's IT infrastructure as well as for the EPABX system itself.	The proposed EPABX server works on Linux operating system. Linux provides a high level of security in the operating system. Therefore antivirus are not applicable. However, antivirus and MS-Office software will be provided on the windows based EPABX NMS client workstation. Bidder requests to accept the proposed solution.	Acceptable. However, suitable licensed office software for Linux platform shall be provided by the bidder for Linux OS. Rest Tender Conditions Prevail.
59		Doc. Name: Technical Specification for Telecommu- nication Systems Doc No: MEC/05/E5/ T/TS-097M Rev.: 0, Clause No. 3.4.23 Technical Specification for IP EPABX System Page 44 of 85	To achieve the required redundancy / reliability for the system, in case external LAN Switches are required, CISCO make Switches of latest model shall be provided as part of EPABX system.	Bidder requests to accept the Ethernet switches from other leading OEM makes.	The Make of the switch shall be as per the vendor list provided in the tender. Rest Tender Conditions Prevail.



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60		Doc. Name: Technical Specification for Telecommu- nication Systems Doc No: MEC/05/E5/ T/TS-097M Rev.: 0 Clause No. 3.4 Technical Specification for IP EPABX System Page 41 of 85	Digital Phones	E&M 2W/4W, Digital phones & ISDN are obsolete and not supported by all the leading OEMs. Bidder proposes IP subscriber phones in place of digital subscriber phones. Bidder requests to accept the proposed solution.	Digital phones are not required to be supplied and same is not included in tender. Rest tender conditions prevail.
61		Doc. Name: Technical Specification for Telecommu- nication Systems Doc No: MEC/05/E5/ T/TS-097M Rev.: 0 Clause No. 3.4.40 NMS Server for IP EPABX System Page 46 of 85	Intel latest Core-i9 processor, cores >=8, 64 bit, clock>=2.3 GHz, Turbo-boost, memory controller supporting DDR-4 2666 MHz or higher, 16M cache, minimum 2 memory channels, built-in graphics capable of supporting minimum resolution of 1920x1080p, 32bit colour resolution	Bidder proposes Intel Xeon Octa Core processor. Bidder requests to accept the proposed solution.	Similar or higher configuration system shall be provided by bidder. Rest Tender Conditions Prevail.



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62		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0 Clause No. 3.4.40 NMS Server for IP EPABX System Page 46 of 85	Microsoft office Suite, Antivirus for EPABX NMS server	The proposed NMS server works on Linux operating system. Linux provides a high level of security in the operating system. Therefore antivirus are not applicable. However, antivirus and MS-Office software will be provided on the windows based EPABX NMS client workstation. Bidder requests to accept the proposed solution.	Acceptable. However, suitable licensed office software for Linux platform shall be provided by the bidder for Linux OS. Rest Tender Conditions Prevail.
63		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Clause No. 3.4.44 Inter-Operability with other EPABX systems: Page 47 of 85	The IP based EPABX system should be able to inter-connect with IGGL's existing Alcatel, Coral, Tadiran, Ericsson, Siemens, Avaya EPABX systems through different types of Subscriber lines, Junctions, Analog & Digital Trunk lines existing in IGGL	Please provide the make/model hardware/software details of the existing EPABX system which are to be integrated with new EPABX system which shall be supplied under NEGGP project.	The IP based EPABX system should be able to inter-connect with IGGL's existing Alcatel, Coral, Tadiran, Ericsson, Siemens, Avaya EPABX systems through different types of Subscriber lines, Junctions, Analog & Digital Trunk lines existing in IGGL as per tender. Details shall be provided to successful bidder during detail engineering. Rest Tender Conditions prevail.



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64		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Clause No. 3.4.44 Inter-Operability with other EPABX systems: Page 47 of 86	ISDN, BRI, QSIG compliant	BRI and ISDN interfaces are obsolete and not supported by all the leading EPABX OEMs. Therefore, Bidder requests to withdraw this clause. Bidder requests to accept it.	ISDN, BRI interfaces are not required for EPABX system as these interfaces have become obsolete. Rest Tender Conditions Prevail.
65		Doc. Name: Material Requisition for Telecommunication System MR No: 05/51/23VC/IGGL/097 Rev.: 0, Item No. T.S.12, Explosion-Proof IP Telephone Page 4 of 9	As per MR Item No. T.S.12, explosion-proof phone shall be IP based.	However, technical specifications document (Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Page 54 of 85), specifies Intrinsically safe Explosion-proof analogue phone. Please confirm & clarify, whether explosion-proof telephone shall be analog type of IP based.	As per the tender, explosion proof telephone shall be IP based. Rest Tender Conditions Prevail.



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66		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Clause No. 3.4.59 Explosion-Proof Phone Page 54 of 85	Built-in LED display	All the reputed OEM does not provide alphanumeric display. Bidder proposes built-in LED indicator for incoming calls in place of alphanumeric display. Therefore, Bidder requests to withdraw this clause and accept the proposed solution.	Refer Cl. 3.4.57 of TS of Telecom system provided in tender. Rest Tender Conditions Prevail.
67		Doc. Name: Particular Job Specification for Telecommunication System PJS No: MEC/05/E5/T/23VC/PJS-097 Rev.: 0, Clause No. 2.2.7 Scope of Work: IP Telephone (Control/ Telecom Room) Page 8 of 33	Each IP phone shall be provided with dual SIP license such that it can be used to call IP phones connected to EPABX and IP phones connected to MPLS-TP equipment (VoIP based). The complete system shall be provided such that the EPABX connected IP phone can be used to call VoIP based IP phone and vice-versa.	IP Phone connected to MPLS-TP DCN management port shall be in the same subnet of MPLS-TP equipment. Consequently, each IP phone will be in different IP subnet. Therefore, we will require router at IP EPABX location and the configuration will be complex. Bidder proposes MP2MP Ethernet VoIP service LAN for IP phones, which can be interfaced with IP EPABX. Also, these IP phones will function independent of IP EPABX and can be used for calling even on failure of IP EPABX. Bidder requests to accept the proposed solution.	Acceptable. Rest Tender Conditions Prevail.



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68		Doc. Name: Particular Job Specification for Telecommunication System PJS No: MEC/05/E5/T/23VC/PJS-097 Rev.: 0, Clause No. 2.2.7 Scope of Work: PoE Switches Page 9 of 33	PoE switches, as required, shall be provided at each station. 25% spare Ethernet ports shall be provided in each Ethernet switch. All the IP phones shall be powered from 10/100/1000 Mbps PoE switch. At all locations, suitable power supply converters/PoE injectors shall be provided. All cables for telephones of suitable length as per site requirement shall be provided by Bidder.	Bidders understanding is that at IP EPABX locations, IP phones shall be powered from PoE switch. At all other RT/ IP/ SV locations, IP phones shall be powered from PoE injectors. Please confirm, whether Bidders understanding is correct.	The system shall be provided as per the bidder's design in-line with the tender requirements. Rest Tender Conditions Prevail.
69		Doc. Name: Particular Job Specification for Telecommunication System PJS No: MEC/05/E5/T/23VC/PJS-097 Rev.: 0, Clause No. 2.2.7 PRI to Ethernet Converter Page 9 of 33	4 Port PRI to Ethernet converter (TDM Over IP) with power supply, patch cords and mounting accessories, voice mail license, including all hardware and software, accessories and subsystems as per scope and tender requirement shall be provided.	PRI-to-Ethernet converter is not specified in MR as well as Technical Specifications document. Please clarify the requirement of PRI to Ethernet converter.	It shall be provided as per tender. Rest Tender Conditions Prevail.



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70		Doc. Name: Particular Job Specification for Telecommunication System PJS No: MEC/05/E5/T/23VC/PJS-097 Rev.: 0, Clause No. 2.2.15 Integration with PACS & VHF system Page 11 of 33	Integration with the PACS (Public Address and Control System) system and VHF system with bidder supplied EPABX system at Guwahati compressor station of IGGL is included in scope of the bidder. All materials (hardware and software) required at bidder's end for integration purpose shall be provided by the bidder.	PACS & VHF system equipment are not specified in the MR. Please clarify the requirement and scope of integration of PACS & VHF with EPABX system.	PACS and VHF systems shall be provided by other contractor and same shall integrated with bidder supplied EPABX system as per tender requirement. All materials (hardware and software) required at bidder's end for integration purpose shall be provided by the bidder. Rest Tender Conditions Prevail.
		CCTV System			
71		Doc. Name: Technical Specification for Telecommunication Systems Doc No: MEC/05/E5/T/TS-097M Rev.: 0, Clause No. 3.7.4 CCTV system guidelines Page 58 of 85	20. CCTV cameras must be FCC or CE and UL certified.	UL is a foreign certification body. BIS is an Indian equivalent certificate to UL and is covered as mandatory certification for CCTV cameras as per CRO. Ministry of Finance had issued an Office Memorandum dated 12th May 2020 which emphasising the mandatory use of Indian Standards in Technical Specifications. "wherever Indian Technical specifications and Quality Certifications exist, the procuring entity should prescribe them" Asking mandatory foreign certifications like UL is a restrictive clause for Indian OEMs as per he clause no. "10. Specifications in Tenders clause e" on page no 7 of DPIIT Public Procurement (preference to Make-in -India) order 2017 dated 16th September, 2020. "Specific Foreign Certifications/ unreasonable technical specifications/ brands/ models in the bid document is restrictive and discriminatory practise against local suppliers" Bidder requests to accept Indian certificate <i>i.e.</i> BIS Certificate which is equivalent to UL foreign certificate. Bidder request to amend the clause as CCTV cameras must be FCC, CE, UL or BIS certified.	BIS certification can also be provided instead of UL. Rest Tender Conditions Prevail.



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72		Doc. Name: Technical Specification for Telecommu- nication Systems Doc No: MEC/05/E5/ T/TS-097M Rev.: 0, Clause No. 3.7.8 1) PTZ Camera Specification Page 68 of 85	C) 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.	The optical zoom shall be 30x as per the tender. Rest Tender Conditions Prevail.
73		Doc. Name: Particular Job Specification for Telecommu- nication System PJS No: MEC/05/E5/ T/23VC/PJS- 097 Rev.: 0, Clause No. 22.8 CCTV System Page 9 of 33	10 Nos. Explosion proof camera shall be provided at a free issue material to the bidder. All the works (including supply and installation of all required materials) related to installation, cabling, integration, testing and commissioning of the free issue camera with bidder supplied CCTV system shall be the responsibility of the bidder and is included in scope of the bidder.	Please provide the make/model hardware/software details of the explosion-proof cameras which are to be free issued by the customer.	The details shall be provided to successful bidder during detail engineering. Rest Tender Conditions Prevail.



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74		Doc. Name: Particular Job Specification for Telecommunication System PJS No: MEC/05/E5/T/23VC/PJS-097 Rev.: 0, Clause No. 22.8 CCTV System Page 10 of 33	If the cable length of any camera from the Telecom panel in the control room is more than 70 meters, in such case, OFC, LIU, media converters and all other hardware, as required, shall be provided for each of those cameras at each station. All the works related to connection of each of those camera with the telecom panel is included in scope of the bidder.	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.	Tender conditions prevail.
Leased Lines					
75		Doc. Name: Material Requisition for Telecommunication System MR No: 05/51/23VC/IGGL/097 Rev.: 0, Item No. T.E.3 & T.E.4, Leased Lines (10Mbps) Page 7 of 9	Leased lines (10 Mbps) with end to end solution (Hardware & software as required) a) Guwahati to Numaligarh E1/Ethernet for Exchange b) Guwahati to Numaligarh for MPLS-TP NMS c) Guwahati to SV-08 cum DT for Silchar E1/Ethernet for Exchange d) Guwahati to SV-08 cum DT for Silchar for MPLS-TP NMS e) Numaligarh to SV-08 cum DT for & Silchar E1/Ethernet for Exchange f) Numaligarh to SV-08 cum DT for Silchar for MPLS-TP NMS	As per Telecom Equipment Distribution document, there are 2 sites named as Guwahati in Sec-1 and Sec-6 as follows: - DT, Compressor station, Guwahati in Sec-1 - Assam - RT cum DT, Guwahati in Sec-6 Assam Please confirm and clarify, whether Guwahati station specified in Sec-1 and Sec-6 are the same location.	DT, Guwahati(Sec-1) and RT cum DT, Guwahati (Sec-6) shall have optical fibre link between them and the MPLS-TP equipment supplied by bidder each at DT, Guwahati station and RT cum DT, Guwahati station shall be connected together through Optical Fibre. Accordingly, bidder shall design the network and provide the ports. Rest Tender Conditions Prevail.
Mandatory Spares					



REPLY TO BIDDERS QUERIES
TELECOMMUNICATION SYSTEM FOR PIPELINE SECTIONS (1,2,3,4,5,6,7,8,9,12,13&14) UNDER NORTH EAST GAS GRID PIPELINE
PROJET OF M/s IGGL
Tender no. : 05/51/23VC/IGGL/097



DATED : 23.03.2022

S.N.	CL. No.	Section/ Page	Section Detail/Description	Clarification / Deviation	MECON's Reply
76		Doc. Name: Particular Job Specification for Telecommu- nication System PJS No: MEC/05/E5/ T/23VC/PJS- 097 Rev.: 0, Clause No. 2.3.a) Mandatory Spares Page 13 of 33	Mandatory spares for GPS Clock	The proposed GPS based clocks (both PRC & SRC) are having fixed configuration (non-modular). Bidder requests to withdraw mandatory spares for GPS clock.	If fixed configuration based GPS clocks are provided, that implies that there is no hot-replaceable module in the clock and hence, Mandatory spares is not applicable for such clock. Rest Tender Conditions Prevail.
77		Doc. Name: Particular Job Specification for Telecommu- nication System PJS No: MEC/05/E5/ T/23VC/PJS- 097 Rev.: 0, Clause No. 2.3.a) Mandatory Spares Page 13 of 33	Mandatory spares for IP EPABX	The proposed IP EPABX system is server based, which is having fixed configuration (non-modular). Bidder proposes to consider mandatory spares of media gateways only. Bidder requests to withdraw mandatory spares for IP EPABX server and accept the proposed solution.	As per the tender, explosion proof IP phone shall be provided. Rest Tender Conditions Prevail.
		Test Instruments			



REPLY TO BIDDERS QUERIES
TELECOMMUNICATION SYSTEM FOR PIPELINE SECTIONS (1,2,3,4,5,6,7,8,9,12,13&14) UNDER NORTH EAST GAS GRID PIPELINE
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S.N.	CL. No.	Section/ Page	Section Detail/Description	Clarification / Deviation	MECON's Reply
78		Doc. Name: Material Requisition for Telecommunication System MR No: 05/51/23VC/IGGL/097 Rev.: 0, Item No. T.S.18 Test Instruments Page 5 of 9	As per MR Item No. T.S.18 d), Ethernet Tester and T.S.18 g) MPLS-TP analyser.	However, as per Particular Job Specification for Telecommunication System PJS No: MEC/05/E5/T/23VC/PJS-097 Rev.: 0, The Ethernet tester (provided as part of test equipment) shall be provided suitable for analysis of the MPLS TP equipment and MPLS network. Please clarify the requirement of separate Ethernet tester and MPLS-TP analyser.	Separate Ethernet tester and MPLS-TP analyser to be provided as per the specifications provided in the tender. Rest Tender conditions prevail.
79			Minimum bobbe confriguation table Tier-1 and 2	Bidder understandiing is that table mentioned here will be minimum config which node should have from day one. If any location config arises (present requirement plus spare (25% or 2 nos)) is exceeding above minimum config then arrising confriguration needs to be provided. Kindly correct if bidder understanding is wrong	Bidder's understanding is correct. Rest Tender Conditions Prevail.
80			Network Diagram	As per drawing provided . It forms two networks (DT to Numaligarh and Guwahati to Agartalla) which are not meeting at any common point. Kindly correct or update the modification on same.	DT, Guwahati and RT cum DT, Guwahati shall have optical fibre link between them and the MPLS-TP equipment supplied by bidder each at DT, Guwahati station and RT cum DT, Guwahati station shall be connected together through Optical Fibre. Accordingly, bidder shall design the network and provide the ports. Rest Tender Conditions Prevail.
81			Sheet 6 of 14	No Tier 2 network between IP2 nodes mentioned in (Guwahati to Sichar sheet 6 of 14 in drawing) and SV8 (mentioned in sh4 of 14). Kindly corrcet or confirm.	bidder shall design the network as the details provided in tender. Rest Tender Conditions Prevail.
82				Policy ofor Preference to domestically manufactured products, Services or Works relating to Telecom in furtherance to Public Procurement Policy (Preference to Make in India) , Order 2017 & all subsequent amendments issued from time to time should be mandatorily applicable to this tender.	Tender conditions prevail.