

Pre Bid Queries for "Rate Contract for SITC of Integrated Communication Network at Odisha " against Tender Enquiry No. TPCODL/CCG/23-24/029

Sl. No.	Page No.	Detailed Reference to Tender Document. Please specify Document No / Clause No	Description as per Bid Document	Remarks - Query / Clarification	TPCODL Response
1	5	Definition & Introduction of Centralized Contracts Group	The Centralized Contracts Group (CCG) is a shared services group of all the 4 Discoms. (TPCODL/TPNODL/TPSODL/TPWODL) in Odisha. The contract finalized by CCG shall be used by 4 Discoms to execute the work	Our understanding that bid submission will be as per all the terms & condition as mentiond in the Tender Named"1. Tender Document_Network Equipment , NIT No.: TPCODL/CCG/23-24/029 " only as circulated BY CCG.	Yes.
2	5	1.0. Event Information	EMD is exempted for MSMEs registered in the State of Odisha.	EMD exemption for all states MSMEs registered.	Relevant provision mentioned in the the Tender document shall prevails
3	7	1.7 Qualification Criteria	The bidder should have experience in installation and commissioning of offered product in telecom/power utilities in India. Bidder shall propose one client site to demonstrate the functionalities as mentioned in the tender	Please amend it to OEM / Bidder should have experience in installation and commissioning of offered product in telecom/power utilities in India. OEM/Bidder shall propose one client site to demonstrate the functionalities as mentioned in the tender	Accepted
4	7	1.7 Qualification Criteria	The bidder should have experience in installation and commissioning of offered product in telecom/power utilities in India. Bidder shall propose one client site to demonstrate the functionalities as mentioned in the tender	Request you to please modify the clause as below: The bidder should have experience in installation and commissioning of offered product in telecom/power utilities / any Government department or Public Sector Units or public listed companies in India. Bidder shall propose one client site to demonstrate the functionalities as mentioned in the tender	Relevant provision mentioned in the the Tender document shall prevails
5	7	1.7 Qualification Criteria, Page 7	Bidder/OEM should have experience in implementation of applications like Tele-protection in power utility industry. Bidder should provide documentary proof for compliance to Tele-protection needs of Power Utility.	Request you to please modify the clause as below: Bidder/OEM should have experience in implementation of applications like Tele-protection / IP Network in power utility industry / any Government department or Public Sector Units or public listed companies. Bidder / OEM should provide documentary proof for compliance to Tele-protection / IP Network needs of Power Utility / any Government department or Public Sector Units or public listed companies.	Clause remain unchanged. (This is only applicable for Network Active Equipments)
6	7	1.7 Qualification Criteria	The bidder should have executed similar works for Communication (Supply, installation, Testing & commissioning) for a single order value of Rs. 30 Cr. or Rs. 15 Cr. for 2 orders each or for Rs. 10 Crore for 3 orders each during last 5 years. Copy of work order / completion certificate to be submitted in this regard.	We request you to kindly amend it as bidder / OEM should have executed similar works for Communication (Supply, installation, Testing & commissioning) for a single order value of Rs. 30 Cr. or Rs. 15 Cr. for 2 orders each or for Rs. 10 Crore for 3 orders each during last 5 years. Copy of work order / completion certificate to be submitted in this regard. or We request you to kindly amend the order value as 1 PO of 23 Cr , 2 PO of 10 Cr & 3 PO of 5 Cr where similar work is defined as SITC of IT hardware (Cummulative Order) where there is a networking component as a part of the project amount 1.5 Cr .	Please refer -Corrigendum-1
7	7	1.7 Qualification Criteria	The bidder should have executed similar works for Communication (Supply, installation, Testing & commissioning) for a single order value of Rs. 30 Cr. or Rs. 15 Cr. for 2 orders each or for Rs. 10 Crore for 3 orders each during last 5 years. Copy of work order / completion certificate to be submitted in this regard.	Bidder is working with Tata power , last 20 years, As a long term releation we request you kindly amend this clause as " The bidder should have executed cumulative work for communication/network or similar work of Rs.10 Cr. In last five year" This request is for Consideration, due to seamless project executed in all Dishcoms , last 20 years seamlessly and having In depth know how of the Client sites as well Project Implementation	Bids will be evaluated as per tender document.
8	7	1.7 Qualification Criteria	The bidder should have executed similar works for Communication (Supply, installation, Testing & commissioning) for a single order value of Rs. 30 Cr. or Rs. 15 Cr. for 2 orders each or for Rs. 10 Crore for 3 orders each during last 5 years. Copy of work order / completion certificate to be submitted in this regard.	Kindly request you to amend this clause as "The OEM/ Bidder should have executed similar works for Communication (Supply, installation, Testing & commissioning) for a single order value of Rs. 30 Cr. or Rs. 15 Cr. for 2 orders each or for Rs. 10 Crore for 3 orders each during last 5 years. Copy of work order / completion certificate to be submitted in this regard." This Clause may kindly be considered , as major part of the Project Implemenation, NMS , HLD , NLD , is in scope and will be done in Consulation with OEM .	Please refer -Corrigendum-1
9	7	1.7 Qualification Criteria	The bidder should have executed similar works for Communication (Supply, installation, Testing & commissioning) for a single order value of Rs. 30 Cr. or Rs. 15 Cr. for 2 orders each or for Rs. 10 Crore for 3 orders each during last 5 years. Copy of work order / completion certificate to be submitted in this regard.	The bidder should have executed similar works for Communication (Supply, installation, Testing & Commissioning) for a single order value for Rs. 25 Cr. Or Rs. 12 Cr. For 2 orders each or for Rs. 7 Cr for 3 orders each during last 5 years.	Please refer -Corrigendum-1
10	7	1.7 Qualification Criteria	The bidder should have executed similar works for Communication (Supply, installation, Testing & commissioning) for a single order value of Rs. 30 Cr. or Rs. 15 Cr. for 2 orders each or for Rs. 10 Crore for 3 orders each during last 5 years. Copy of work order / completion certificate to be submitted in this regard.	Refer to your clause no. where as you as for the company average turnover should be 30 Cr. An work qualification critrea you as for single order for 30 Cr. Which is cointroduction to each other It is requested yo to kindly propose the suitable value for work experiance like 10 Cr. for single order . 6 Cr. for two orders and 4 Cr. for three orders.	Please refer -Corrigendum-1

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11	7	1.7 Clause	The bidder should have executed similar works for Communication (Supply, installation, Testing & commissioning) for a single order value of Rs. 30 Cr. or Rs. 15 Cr. for 2 orders each or for Rs. 10 Crore for 3 orders each during last 5 years. Copy of work order / completion certificate to be submitted in this regard.	Can we submit 3-4 PO of single customer to fulfill the requirement in Experience Criteria. I.e Four POs from the same customer, with values of Rs XX, Rs XX, Rs XX and Rs XX. Combining these POs totals Rs 10 Cr in value from a single customer. Please suggest	
12	7	1.7 Qualification Criteria	The bidder should have executed similar works for Communication (Supply, installation, Testing & commissioning) for a single order value of Rs. 30 Cr. or Rs. 15 Cr. for 2 orders each or for Rs. 10 Crore for 3 orders each during last 5 years. Copy of work order / completion certificate to be submitted in this regard.	As an MSME Clause, "the bidder shall have 20% of existing criteria for financial Turnover. We request you kindly apply the same on executed similar work for communication. Consideration as Annexure VII of MSME .	Bids will be evaluated as per tender document.
13	7	1.7 Qualification Criteria	Bidder should be a company registered in India to provide sales and 24x7 support in India with an office in Bhubaneswar/Cuttack or any local tie up with Firm presence in Bhubaneswar/Cuttack. Bidder should submit the undertaking and details of address in this regard.	We request you to kindly remove the local tie up firm presence in Bhubaneswar.	Bidder should be a company registered in India with an office in Orissa. Bidder should submit the undertaking and details of address in this regard. In case of Bidder not having office in Odisha, they shall open new office in Odisha within 3 months of Release of Contract
14	7	1.7 Qualification Criteria, (Additional Clause)		Kindly give relaxations to MSME vendor in Qualification Criteria	Please refer Annexure VIIA. "Preferential norms for procurement from MSMEs registered in the State of Odisha".
15	7	1.7 Qualification Criteria	OEM can authorize at most Two partner to participate in this enquiry on its behalf. In case OEM authorize more than Two channel partner to participate in this enquiry, all the bids pertaining to that OEM irrespective of model/technology quoted shall be rejected	We understand that this is only applicable for Active Equipment OEM and not for Passive Equipment OEM(i.e for Cables/SMPS/UPS/Rack). Request to kindly clarify	Tender Clause May be read as: Network equipment OEM can authorize at most Two partner to participate in this enquiry on its behalf. In case OEM authorize more than Two channel partner to participate in this enquiry, all the bids pertaining to that OEM irrespective of model/technology quoted shall be rejected
16	7	1.7 Qualification Criteria	The offered products in the solution against the supply order shall be latest version and should not be end of life for next 10 years, however if any product which is declared end of life product by OEM during the supply period of material, in this case the tenderer should supply replaced model or next higher model/version of the Product	We understand that in this case OEM has to confirm the service support for 10 years by availability of spares or replace the model with the new version or the higher version on its discretion. This is as per industry standards for all OEMs. Request to kindly clarify	The OEM warranty and support period for the product should be 7 years. Additionally, the OEM should ensure that none of the interfaces and services will stop working after the end of the warranty and support period, continuing their functionality for at least 10 years.
17	7	1.7 Qualification Criteria	The offered products in the solution against the supply order shall be latest version and should not be end of life for next 10 years, however if any product which is declared end of life product by OEM during the supply period of material, in this case the tenderer should supply replaced model or next higher model/version of the Product	OEM's does not offer warranty & support beyond 7 years from the date of supply. Hence the clause should be changed to "The offered products in the solution against the supply order shall be latest version and should not be end of life for 7 years". 10Yrs. must be reduced to 7 years as all Hardware warranty is asked in tender for 7 years.	The OEM warranty and support period for the product should be 7 years. Additionally, the OEM should ensure that none of the interfaces and services will stop working after the end of the warranty and support period, continuing their functionality for at least 10 years.
18	7	1.7 Qualification Criteria	Bidder/OEM should have experience in implementation of applications like Tele-protection in power utility industry. Bidder should provide documentary proof for compliance to Tele-protection needs of Power Utility.	We request TPCODL to remove this clause from the Qualification Criteria.	This is only applicable for Network Active Equipments
19	7	1.7 Qualification Criteria	All solutions quoted should be from the same OEM.	We understand that all Power Supplies (i.e UPS and SMPS) shall be from the same OEM. Kindly clarify	This is applicable for Routers (Type01, 02, 03, 04), SMPS & UPS
20	7	1.7 Qualification Criteria	All solutions quoted should be from the same OEM.	As we understand , RFP has the scope of both Active & Passive solution requirements. No single OEM can supply all SOR requirements of RFP. So requesting give flexibility combination of different OEM towards wider industry participation .	This is applicable for Routers (Type01, 02, 03, 04), SMPS & UPS
21	7	1.7 Qualification Criteria	All solutions quoted should be from the same OEM.	In active solution , there are scope of two different solutions . 1.Routing solution (Router) 2.DWDM Solution (Optical Line systems) Requesting give flexibility combination of different OEM two solution then the leading industry OEM combination part of SI solution.	This is applicable for Routers (Type01, 02, 03, 04), SMPS & UPS

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22	7	1.7 Qualification Criteria	All solutions quoted should be from the same OEM.	In Our Understanding this Clause will hold good only for Routing infrastructure , We Request TPCODL to please clarify the same.	This is applicable for Routers (Type01, 02, 03, 04), SMPS & UPS
23	7	1.7 Qualification Criteria	Proven solution/reference Worldwide – Bidder to submit supporting documents reference where bidder equipment is installed, commissioned and running successfully. TPCODL/TPNODL/TPSODL /TPWODL Discom reserves the right to visit the site, BA should consider for any such visit under his scope.	Request you to please modify the clause as below: Proven solution/reference Worldwide – Bidder / OEM to submit supporting documents reference where bidder equipment is installed, commissioned and running successfully, TPCODL/TPNODL/TPSODL /TPWODL Discom reserves the right to visit the site, BA should consider for any such visit under his scope.	Accepted
24	7	GCC 2b./4.1/page no. 7	Indemnity	The indemnity provision is way too broad and must be limited to direct damages payable only in situation where any such damage is caused to TPWODL tangible property or accident due to reasons solely attributable to the Associate's gross negligence or wilful misconduct.	Relevant provision mentioned in the the Tender document shall prevails
25	7	1.7 Qualification Criteria, Page 7	In case OEM authorize more than Two channel partner to participate in this enquiry, all the bids pertaining to that OEM irrespective of model/technology quoted shall be rejected	This will avoid the healthy participation for the said bid, must be removed and avoid such restrictions.	Modified Clause:Network equipmet OEM can authorize at most Two partner to participate in this enquiry on its behalf. In case OEM authorize more than Two channel partner to participate in this enquiry, all the bids pertaining to that OEM irrespective of model/technology quoted shall be rejected
26	8	Additional Clause	Request for including additional clause	To comply with the directives of the Ministry of Power, Govt. of India issued vide Order No. 25-11/6/2018-PG dated 2nd July, 2020). (Refer attached document in Annexure XI) The Bidder has to provide artifacts/certificates against the below points along with or before delivery of material/invoice. 1. Any import of equipment components/parts from "prior reference" countries as specified or by persons owned by, controlled by, or subject to the jurisdiction or the directions of these "prior reference" countries will have required prior permission of the Government of India (If the components have not been imported from such prior reference countries, please mention so clearly in the certificate, in which case next point does not apply). 2. Where the equipment components/parts are imported from "prior reference" countries, with special permission, the protocol for testing in certified and designated laboratories has been approved by the Ministry of Power (MoP). Action required from Tata Power, Prior Reference countries means a country which shares a land border with India. Please ensure that country of origin clause applies to initial supply only and also for the replacement of faulty cards or chasis throughout the life cycle of the product under valid support contract with OEM. A confirmation must be sought from authorized signatory of OEM as part of OEM MAF.	Please refer Clause No.1.7: "Bidder or OEM from such countries sharing a land border with India will be eligible to bid only if the bidder is registered with the Competent Authority. The Competent Authority for registration will be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT). Political and security clearance from the Ministries of External and Home Affairs respectively will be mandatory".
27	8	1.7: Qualification Criteria: Additional Clause	Request for including additional clause	This is a very critical Infra project for Tata Power Odisha. Tata Power should ensure that OEM designs the HLD/LLD for the this project and also implements atleast 50 sites as implementation scope in this Tender.	Please refer Scope of Work (Tender DOC page No. 25)
28	8	Section 2.2	The bids will be evaluated commercially on the overall all-inclusive lowest cost for the complete tender BOQ as calculated in Schedule of Items [Annexure I]. TPCODL/TPNODL/TPWODL/TPSODL however, reserves right to split the order line item wise and/or quantity wise among more than one Bidder. Hence all bidders are advised to quote their most competitive rates against each line item	Splitting the order line item wise/quantity wise among more than one bidder will lead to many bidders selected for the same site & will be very inefficient utilization of resources & end to end ownership & SLA management. Request to remove this clause & selection of partner should be on the basis of overall All inclusive lowest cost.	Relevant provision mentioned in the the Tender document shall prevails. TPCODL reserves the right to split the order. However same site may not be allocated to multiple bidders.
29	8	1.7 Qualification Criteria	OEM's MAF to confirm 10 years life cycle support for the supplied products under valid contract	OEM's does not offer warranty & support beyond seven years from the date of supply. Hence the clause should be changed to "OEM's MAF to confirm 7 years life cycle support for the supplied products under valid contract".	The OEM warranty and support period for the product should be 7 years. Additionally, the OEM should ensure that none of the interfaces and services will stop working after the end of the warranty and support period, continuing their functionality for at least 10 years.

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30	8	Section 1.7	OEM's support for 10 years' service life of the product.	OEM's does not offer warranty & support beyond seven years from the date of supply. Hence the clause should be changed to "OEM's support for 7 years' service life of the product. "	The OEM warranty and support period for the product should be 7 years. Additionally, the OEM should ensure that none of the interfaces and services will stop working after the end of the warranty and support period, continuing their functionality for at least 10 years.
31	8	1.7 Qualification Criteria, Page 8	OEM's MAF to confirm 10 years life cycle support for the supplied products under valid contract	10Yrs must be reduced to 7years as all Hardware warranty is asked in tender for 7years.	The OEM warranty and support period for the product should be 7 years. Additionally, the OEM should ensure that none of the interfaces and services will stop working after the end of the warranty and support period, continuing their functionality for at least 10 years.
32	9	Section 2.1, Page 9	The prices shall remain firm during the entire contract period.	Considering the supply volatility in the market, our request is that the prices shall remain firm for the period of 1 years only.	Provision of Tender Clause prevails. However additional business cost if any anticipated by BA needs to be considered while submitting bid.
33	9	GCC 2a./4.2/page no. 9	Indemnity	The indemnity provision is way too broad and must be limited to direct damages payable only in situation where any such damage is caused to TPWODL tangible property or accident due to reasons solely attributable to the Associate's gross negligence or wilful misconduct.	Relevant provision mentioned in the the Tender document shall prevails
34	12	7. General and Functional Requirement, Page 12	12. The same Routing EMS system must be capable to be upgraded to SDN controller by additional licenses/plugins. Incase separate solution for SDN is required, must be considered in the solution from Day-1 without any additional cost to the employer	EMS system must be separate to SDN controller, as SDN based controller is developed to work as part of control plane, while NMS/EMS systems are part of management domain, tehcnical arhitecture standard does not define that, as management plane must be separate control plan to avoid any security risk, Request TPCODL to please remove this point.	Clause removed
35	13	5.0 :Award Decision	The decision to place purchase order/LOI solely depends on TPCODL on the cost competitiveness across multiple lots, quality, delivery and bidder's capacity, in addition to other factors that TPCODL may deem relevant.	Material lead time for many item is extremly high. Request for providing one order for full qty with 2-3 delivery schedule staggered within 6 months of Contract , This will help in managing the project within the define timelines.	Relevant provision mentioned in the the Tender document shall prevails
36	14	7.2 Delivery Terms	Completion period: Material should be delivered within fourteen (14) weeks from the date of receipt of Release Order from respective discoms. Installation of the same should be done in two (02) weeks from the date of intimation	Please amend it to material should be delivered within Sixteen to Twenty week (16 - 20) weeks from the date of receipt of Release Order from respective discoms.	Completion period: Material should be delivered within eighteen weeks (18) from the date of receipt of Release Order from respective discoms. Installation of the same should be done in two (02) weeks from the date of intimation
37	14	7.2 Delivery Terms	Completion period: Material should be delivered within fourteen (14) weeks from the date of receipt of Release Order from respective discoms. Installation of the same should be done in two (02) weeks from the date of intimation	Material lead time for many item such as Router is extremly high. Hence this clause should be changed to "Completion period: Material should be delivered within fourteen (24) weeks from the date of receipt of Release Order from respective discoms. Installation of the same should be done in two (04) weeks from the date of intimation"	Completion period: Material should be delivered within eighteen weeks (18) from the date of receipt of Release Order from respective discoms. Installation of the same should be done in two (02) weeks from the date of intimation
38	14	7.2 Delivery Terms	Completion period: Material should be delivered within fourteen (14) weeks from the date of receipt of Release Order from respective discoms. Installation of the same should be done in two (02) weeks from the date of intimation	Material delivery - 14 weeks. Based on current Global supply chain scenario, request to kindly modify the Material Delivery timeline from 14 weeks to 28 weeks Installation: The installation is of two parts. Understand that DWDM part of network will be given as single order. DWDM network implementation will be carried out in 12 weeks post delivery of Material and fiber readiness. Kindly confirm For Routers, the installation timeline depends on lot size of the relese order. Request to modify the same to be 12 weeks instead of 2 weeks post Material delivery and fiber readiness. Kindly confirm	Completion period: Material should be delivered within eighteen weeks (18) from the date of receipt of Release Order from respective discoms. Installation of the same should be done in two (02) weeks from the date of intimation

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39	14	7.2 Delivery Terms	7.2 Delivery Terms Completion period: Material should be delivered within fourteen (14) weeks from the date of receipt of Release Order from respective discoms. Installation of the same should be done in two (02) weeks from the date of intimation.	Requested to change the clause as : Completion period : Material should be delivered within delivery of within 20 weeks from date of PO to OEM . Orders will be released from respective discoms. Installation of the same should be done in phases, one phase can be having I&C of maximum 100 equipments / sites , which should be completed within 10~12 weeks weeks from the date of intimation to Airtel from TATA Power. Delay due to Site readiness shall not be counted as delay or number of days for bidder/SI during such implementation phase.	Delay in terms of site readiness, fiber availability will be excluded from Project timelines
40	14	7.2 Delivery Terms	Completion period: Material should be delivered within fourteen (14) weeks from the date of receipt of Release Order from respective discoms. Installation of the same should be done in two (02) weeks from the date of intimation	Understand that any delay in terms of site readiness, fiber availability will be excluded from Project timelines and any delay will enable the bidder to be commercially compensated for the additional expenses on mutually agreed terms and conditions. Kindly confirm.	Delay in terms of site readiness, fiber availability will be excluded from Project timelines
41	14	GCC 2b/9.4/page no. 14	Compliance to Labour Laws	The charges claimed by TPWODL is not acceptable and the liability of payment of wages rests with the Associate and in case any default takes place then in such situation parties can mutually discuss the reasons of delay for amicable solution. The charges of 25% is onerous and must be omitted from the RFP.	Relevant provision mentioned in the the Tender document shall prevails
42	14	7.0 Post Award Contract Administration	7.1 Special Conditions of Contract ☑ The overall period of the Rate contract shall be for a period of 2 year.	Since the rate contract is for 2 year. 1. Kindly share the phases of implementation plan , so that ordering of equipments and mobilization of teams , factoring number of teams for the scope of work can be determined. 2. Price validity from OEM for a period of 2 year is a point of concern. Every quarter price of equipment changes. Kindly confirm PO of the entire project will be placed to successful bidder at one GO from each DISCOM. Delivery schedule can be planned by discomm in phase manner, material from OEM can be procured as per delivery schedule/exucution plan agreed between airtel & tata power. This will also directly affect the equipment warranty to be considered. How many year and months of hardware warantty to be considered, kindly confirm.	Clause remain unchanged (Implementation plan will be shared during placing the RO)
43	14	7.3 Warranty Period	As per SLA. The warranty/support period will start from date of completion of installation of device	As a standard practice for all OEMs , warranty of equipment starts from date of purchase. Requesting you to change this clause as below: The warranty/support period will start from date of completion of installation of device	Amended, The warranty/support period will start from the date of supply of the device.
44	15	7.4 Payment Terms	7.4 Payment Terms Milestone-1: 40% of respective Release Order value will be given after Delivery of complete material at Site. Milestone-2: 30% of the Order value will be given after successful installation & commissioning duly certified by EIC. Milestone-3: 30% of the Order value will be given after Go Live and duly certified by EIC. Payment shall be released, within 45 days of submission of error free Invoice duly certified by EIC/Site in charge.	Request to kindly revise the payment terms in the below mentioned manner:- 1.Mobilisation Advance @10% of total contract value against equivelent amount of BG. 2.Milestone-1: 70% of respective Release Order value will be given after Delivery of material at Site. 3.Milestone-2: 15% of the Order value will be given after successful installation & commissioning duly certified by EIC. 4.Milestone-3: 05% of the Order value will be given after Go Live and duly certified by EIC. Payment shall be released, within 15 days of submission of error free Invoice duly certified by EIC/Site in charge.	Tender Clause amended as : Milestone-1: 60% of respective Release Order value will be given after Delivery of complete material at Site. Milestone-2: 20% of the Order value will be given after successful installation & commissioning duly certified by EIC. Milestone-3: 20% of the Order value will be given after Go Live and duly certified by EIC. Payment shall be released, within 45 days of submission of error free Invoice duly certified by EIC/Site in charge.
45	15	7.3 Warranty Period	The warranty/support period will start from date of completion of installation of device	Warranty to start from date of Supply of material at customer location/site	Accepted
46	15	7.4 Payment Terms	7.4 Payment Terms	We understand the GO-LIVE is in respect of the lot or Release order on prorata basis site wise. Kindly confirm	Yes
47	15	GCC Clause 15	15.0 LIQUIDATED DAMAGES Liquidated damages @1% of the total executed contract value per week or part thereof, for the period of delay in integrated completion, subject to maximum 10% of the value of the contract shall become leviable without prejudice to other rights of the TPCODL	As this is a rate contract and the Contractor will be receiving several release order, therefore the provision should be modified. It should be 1% of unexecuted portion of release order value instead of total executed contract value	Liquidated damages @1% of the total executed Release Order value per week or part thereof, for the period of delay in integrated completion, subject to maximum 10% of the value of the Release Order shall become leviable without prejudice to other rights of the TPCODL.

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48	15	7.4 Payment Terms	Payment shall be released, within 45 days of submission of error free Invoice duly certified by EIC/Site in charge.	Request to kindly incorporate the provision for interest on delayed payment at the rate of 1% per months post 45 days of the payment cycle. This will give assurance of timely payment to Bidder.	Relevant provision mentioned in the the Tender document shall prevails
49	16	GCC Clause 16	15.0 LIQUIDATED DAMAGES Liquidated damages @1% of the total executed contract value per week or part thereof, for the period of delay in integrated completion, subject to maximum 10% of the value of the contract shall become leviable without prejudice to other rights of the TPCODL	Kindly reduce the maximum LD Cap to 5% of release order value.	Relevant provision mentioned in the the Tender document shall prevails
50	16	GCC 2b/12.3/pag no. 16	Failure in Guarantee Period (GP)	The condition that purchaser reserves the right to remedied the defects at the risk and cost of the defaulting bidder actually puts the bidder in UNLIMITED/UNCAPPED RISK which is unreasonable, more due to the fact that there are multiple penalties already applicable. Hence, this paragraph may be deleted.	Relevant provision mentioned in the the Tender document shall prevails
51	17	ANNEXURE I -Schedule for Items	SITC of Industrial Router (Input Power 20VDC to 60 VDC) including all required rack mounting kit and accessories along with 7 Year warranty & support (Type-03)	SMPS i.e item no 10 of BOQ, Qty is 482 nos whereas racks are 510 nos and Routers are 580 nos. Pl check and advice the distribution of SMPSs w.r.t Router and 12U racks	This is Rate Contract and given qty. are indicative. Over the period, It may vary as per the requirement.
52	17	ANNEXURE I -Schedule for Items	SITC of 12U Wall Mount Rack, AC PDU, 20 Mtr power cables and necessary socket along with 7 Year warranty & support.	UPS i.e item no 11 of BOQ, (1kva) Qty is 330 nos whereas racks are 280 nos. Pl check and advice if 50 nos of UPSs are not going to place in a 12U rack	This is Rate Contract and given qty. are indicative. Over the period, It may vary as per the requirement.
53	17	ANNEXURE I -Schedule for Items	Schedule for Items	As per Annexure, There are only four types of Routers mentioned from S.N. 1 to 4, Core Router (Type-1), Aggregation Router (Type-2), Industrial Router (Type-3) and Enterprise Router (Type-4). However in Technical specification section (starting from page 38), we can see only Core router, Aggregation Router, Access Router for OT, Access Router for IT Enterprise. Should we consider Industrial router as Access Router for OT and Enterprise Router as Access Router for IT. Please confirm.	Yes, You can consider same.
54	17	ANNEXURE I -Schedule for Items	As per Annexure, There are only four types of Routers mentioned from S.N. 1 to 4, Core Router (Type-1), Aggregation Router (Type-2), Industrial Router (Type-3) and Enterprise Router (Type-4). However in Technical specification section (starting from page 38), we can see only Core router, Aggregation Router, Access Router for OT, Access Router for IT Enterprise.	Should we consider Industrial router as Access Router for OT and Enterprise Router as Access Router for IT. Please confirm.	Yes, You can consider same.
55	17	GCC 2a/9.4/page no. 17	Compliance to Labour Laws	The charges claimed by TPWODL is not acceptable and the liability of payment of wages rests with the Associate and in case any default takes place then in such situation parties can mutually discuss the reasons of delay for amicable solution. The charges of 25% is onerous and must be omitted from the RFP.	Relevant provision mentioned in the the Tender document shall prevails
56	17	ANNEXURE I -Schedule for Items	SITC of 12U Wall Mount Rack, DC PDU, 20 Mtr power cables and necessary socket along with 7 Year warranty & support. SITC of 12U Wall Mount Rack, AC PDU, 20 Mtr power cables and necessary socket along with 7 Year warranty & support. SITC of 42U Rack along with necessary AC PDU and 20 Mtr power cables and necessary socket along with 7 Year warranty & support.	We request TPCODL to please clarify the No of Cable storages required in both racks 12U and 42U	01 Nos Cable storage required in 12U rack and 03 Nos in 42U rack.
57	18	ANNEXURE I -Schedule for Items	Optical Line System for 100G: Optical Inline amplifiers (ILA) and repeater solution with 7 years warranty and support for 100G Core links DC-DC, DC-DR connectivity (Router to Router optical distance will be 80 KM to 400KM with drop/repeater site available)	Kindly share the Required location name from where to where for 3 links as mentioned in architect diagram	Please go through the Core ring architecture in tender page no. 33 & 34
58	19	ANNEXURE I -Schedule for Items	Optical Line System for 100G: Optical Inline amplifiers (ILA) and repeater solution with 7 years warranty and support for 100G Core links DC-DC, DC-DR connectivity (Router to Router optical distance will be 401 KM to 800KM with drop/repeater site available)	Kindly share the Required location name from where to where for 2 links as mentioned in architect diagram	Please go through the Core ring architecture in tender page no. 33 & 34
59	20	GCC 2b/16.5/page no. 20	Violation	TPWODL can seek injunctive relief from the competent court on account of breach committed by the Associate in maintaining confidentiality of the information. The compensation and damages claimed by TPWODL must be revised and omitted from the RFP.	Relevant provision mentioned in the the Tender document shall prevails

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Sl. No.	Page No.	Detailed Reference to Tender Document. Please specify Document No / Clause No	Description as per Bid Document	Remarks - Query / Clarification	TPCODL Response
60	20	GCC 2b/18/page no. 20	Indemnity	The indemnity claimed by TPWODL is very broad and hence Associate suggests the following for mutual acceptance "Each party shall indemnify the other from and against any claims by third parties (including any governmental authority and expenses (excluding legal fees and court costs) arising from damage to tangible property, personal injury or death caused by such party's negligence or wilful misconduct". TPWODL post passing of award make this provision negotiable for the selected bidder is another option for mutual closure.	Relevant provision mentioned in the the Tender document shall prevails
61	20	ANNEXURE I -Schedule for Items 9. Line Items Detail (BoQ), Page 20-21	Attenuators for Optical power reduction 1dB , 3dB, 5dB & 10dB	We request TPCODL to please specify the Connector type for Attenuators.	Attenuators connector type is LC-LC
62	20	ANNEXURE I -Schedule for Items 9. Line Items Detail (BoQ), Page 20-21 & Page 37-38	SITC of Fiber Management System (FMC 24 PORT/LCPC/1U) Hight For Termination of Optical Fiber including Splicing along with 7 Year warranty & support. SITC of Fiber Distribution Panel (FDP 12 PORT/LCPC/1U Hight) For Termination of Optical Fiber including Splicing along with 7 Year warranty & support. LC-LC Optical patch cord 01M, 03M, 05M,10M,20M duplex	We Request TPCODL to please clarify, FMS & FDP asked is 24/12 port simplex type (LCPC). but patch cord asked is duplex type(LC-LC). Please confirm and calrify.	Bidder can supply FMS & FDP 24/12 port both simplex and duplex type (LC). Patch cord should be duplex type (LC-LC).
63	21	GCC 2b/19/page no. 21	Liability	Exceptions are being made towards applicability of indirect or consequential damages. Please modify the language to provide complete exclusion of such indirect or consequential damages under the RFP.	Relevant provision mentioned in the the Tender document shall prevails
64	23	GCC 2b/22/page no. 23	Termination	Please specify defect cure notice period under the provision.	Defect Cure notice period will be 1 Month
65	23	GCC 2a/14.3/pag no. 23	Failure in Guarantee Period (GP)	The condition that purchaser reserves the right to remedied the defects at the risk and cost of the defaulting bidder actually puts the bidder in UNLIMITED/UNCAPPED RISK which is unreasonable, more due to the fact that there are multiple penalties already applicable. Hence, this paragraph may be deleted.	Relevant provision mentioned in the the Tender document shall prevails
66	24	GCC 2b/22.1/page no. 24	In case the contract is terminated for any breach of the nature specified in clause 24 g stated above, TPWODL shall have the right to terminate all the contracts TPWODL is having with the Associate by issuing termination notice which shall be without prejudice to the other rights of TPWODL available to it under law	This is highly unreasonable that default in one contract will result in termination of other contracts as well. This is highly onerous and can result into huge financial losses to the Associate. We request TPWODL to strike off this part of the Section from the RFP.	Relevant provision mentioned in the the Tender document shall prevails
67	24	GCC 2b/22.1/page no. 24	Without prejudice to its right to terminate for breach of contract, TPWODL may, without assigning any reason, terminate the Contract in whole or in part at any time at its discretion while the contract is in force by serving a written notice of two weeks to the Associate.	In the event of termination of the Contract by TPWODL for any reason whatsoever, TPWODL shall pay the Associate the following amounts: (a) The Contract Price, attributable to the parts of the Equipment(s)/Work(s) executed including goods and services delivered (including also the Work in Progress) by the Assocaite up to the date of termination. In respect of capital items deployed in the Project, TPWODL must purchase at the Written Down Value (WDV) from the Assocaite all IT & non-IT infrastructure and the hardware and software deployed. The costs reasonably incurred by Assocaite in the ramp down / disengagement of Assocaite's and its subcontractors' personnel; (c) Any amount to be paid by Assocaite to its subcontractors in connection with the termination of any subcontracts, including any cancellation charges; (d) Costs incurred by Assocaite in protecting the Equipment(s)/ Work(s) and leaving the site in a clean and safe condition pursuant to this clause; and (e) The cost of satisfying all other obligations, commitments, and claims that Assocaite may in good faith have undertaken with third parties in connection with the contract Work in progress. The term "work in progress" shall include but not limited to the value of goods and services meant for delivery to the TPWODL (i) for which manufacturing process was initiated by Assocaite; or (ii) order was placed by Assocaite on its vendors, prior to the date of termination.	Relevant provision mentioned in the the Tender document shall prevails

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68	24	GCC 2b/22.1/page no. 24	In the event of such termination, TPWODL may finish the Work by whatever method it may deem expedient, including the hiring of services and /or purchase of material equipment from such third parties as TPWODL.....	The condition that purchaser reserves the right to remedied the defects at the risk and cost of the defaulting bidder actually puts the bidder in UNLIMITED/UNCAPPED RISK which is unreasonable, more due to the fact that there are multiple penalties already applicable. Hence, this paragraph may be deleted.	Relevant provision mentioned in the the Tender document shall prevails
69	25	Annexure II, Section 4, Page No. 25	For network device, OEM should implement 10% nodes and UAT including UAT signoff by OEM. OEM's scope as above must be owned by OEM's resources and not by bidder or authorized or certified resources.	End to end deployment, UAT, acceptance lies with bidder. Hence, the clause should be deleted.	Specification remain unchanged
70	25	Clause 4 (Scope of work); Page 25	For network device, OEM should implement 10% nodes and UAT including UAT signoff by OEM. OEM's scope as above must be owned by OEM's resources and not by bidder or authorized or certified resources	As the network devices are standard devices, request to remove the clause of Mandatory OEM deployment.	Specification remain unchanged
71	25	Clause 4 (Scope of work); Page 25	Bidder to provide comprehensive warranty, AMC & O&M Support for 7 years and facilitate TPCODL/TPNODL/TPSODL/TPWODL DISCOMs for Regulatory, Gol Compliance.	Understand that O&M support will be for 7 years from the completion of particular release order and not the complete project. Kindly confirm.	AMC and O&M support will start from the date of supply of the device
72	25	5. SoW for Communication equipment	a) Design, engineering, and deployment of a packet-based communication network, SITC of optical transport equipment with the necessary interfaces for the effective delivery of IT/OT applications such as SCADA, GIS, ADMS enterprise data, video, voice, ICC, AMR, and AMI, among others.	kindly confirm below points : a. Final design of the transport network b. identification of core router locations, space, power, etc. c. intermediate locations between nodes for optical amplification, availability of power source. d. availability of dark fiber between 2 locations. e. Data of Optical power budget/ fiber loss budget, number of pair of fiber availability etc. f. We assume that, dark fiber will be available end to end , between FMS to FMS between all planned locations. g. Lat/Long of each POP locations (Core/Agg/Access/ beyond)	a. Final design of the transport network : BA will submit to TP Discom for final approval b. identification of core router locations, space, power, etc. : Scope of TP Discom c. intermediate locations between nodes for optical amplification, availability of power source.: Refer Core network intermediate architecture for Amplifier location finalization and power source will confirm by TP Discoms d. Availability of dark fiber between 2 locations.: To be Confirm by TP Discoms e. Data of Optical power budget/ fiber loss budget, number of pair of fiber availability etc. : BA will check the details once fiber availability confirm by TP Discoms f. We assume that, dark fiber will be available end to end , between FMS to FMS between all planned locations.: BA will check the details once fiber availability confirm by TP Discoms g. Lat/Long of each POP locations (Core/Agg/Access/ beyond) : Will share by TP Discoms
73	26	Annexure-II	Integration with existing NMS, if any.	Kindly specify the existing NMS and functionalities , features to be integrated. Existing NMS details are required to evaluate the integration compatibilities, licencing and to calculate the efforts for integration.	Existing NMS name: Libre NMS, Motadata.
74	26	Annexure-II, SoW for Communication equipment	Integration with existing NMS, if any.,Kindly specify the existing NMS and functionalities , features to be integrated.	Existing NMS details are required to evaluate the integration compatibilities, licencing and to calculate the efforts for integration.	Existing NMS name: Libre NMS, Motadata.
75	27	Clause 5.p; SoW for Communication Equipments	Bidder should support in all respects to integrate the bidder supplied NMS with TPCODL/TPNODL/TPSODL/TPWODL discoms 3rd Part with INMS implemented for entire IT elements.	Request to provide details of existing NMS/EMS to be integrated Understand that procurement of any additional hardware, software, licenses, development work (including APIs), all required modification in the existing INMS, EMS for integrating with NMS supplied along with this RFP will be responsibility of Purchaser. Kindly confirm.	Existing NMS name: Libre NMS, Motadata.

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Sl. No.	Page No.	Detailed Reference to Tender Document. Please specify Document No / Clause No	Description as per Bid Document	Remarks - Query / Clarification	TPCODL Response
76	26	Annexure-II	Training & Certification to TPCODL/TPNODL/TPSODL/TPWODL Discoms personnel about deployed technology and device (Hands On) in 5 batches of 5 executives each. Additional training may be required during warranty period for any upgrade.	Training can be provided to 5 to 7 Executives for 3 days by OEM at your location. Certification can be provided on OEM letterhead for training participation. Nokia Certification credit for 5-7 executive will be provided one time.	Modified Clause: Training & Certification to TPCODL/TPNODL/TPSODL/TPWODL Discoms personnel about deployed technology and device (Hands On) in 3 batches of 4 executives each. Additional training may be required during warranty period for any upgrade.
77	26	GCC 2a/18.5/page no. 26	Violation	TPWODL can seek injunctive relief from the competent court on account of breach committed by the Associate in maintaining confidentiality of the information. The compensation and damages claimed by TPWODL must be revised and omitted from the RFP.	Relevant provision mentioned in the the Tender document shall prevails
78	27	GCC 2a/20	Indemnity	The indemnity claimed by TPWODL is very broad and hence Associate suggests the following for mutual acceptance "Each party shall indemnify the other from and against any claims by third parties (including any governmental authority and expenses (excluding legal fees and court costs) arising from damage to tangible property, personal injury or death caused by such party's negligence or wilful misconduct". TPWODL post passing of award make this provision negotiable for the selected bidder is another option for mutual closure.	Relevant provision mentioned in the the Tender document shall prevails
79	27	GCC 2a/21	Liability	Exceptions are being made towards applicability of indirect or consequential damages. Please modify the language to provide complete exclusion of such indirect or consequential damages under the RFP.	Relevant provision mentioned in the the Tender document shall prevails
80	27	SoW for Media provisioning for ICT,	a) Discom Owned FO network Curently many separate projects are running for Fibre optic laying and connecting to nearest communication nodes. Bidder to utilize existing fibre infrastructure of TP Discoms wherever available and Design the network accordingly. Existing infra detail shall be shared to bidders satisfying the qualification criteria.	As we understand database of fiber infrastructure already with Tata power & Design the network will be in one go . There should not either delay in network design or intermediate modification in network design & deployment due to fiber readiness or any other reason . Kindly clarify.	Incremental optical fiber laying works are going on at different DISCOM levels. Communication network design and deployment will happen in a phased manner as per the readiness of sites and fiber availability.
81	27	SoW for Media provisioning for ICT,	b) Lease FO from OPTCL Bidder has to check and coordinate with OPTCL team to connect Core and Aggregation Network of TP Discoms Data centres over optical fiber.	As we understand team will only co-ordinate with Tata power & OPTCL against allocation of fiber port testing (LSPM) against deployment Core and Aggregation Network. After fiber port confirmation from customer , team will visit to site. Excluding LSPM rest all activity will be scope of Customer .Kindly clarify.	Yes
82	27	5. SoW for Communication equipment	Managed services by Bidder on 24*7 basis with managed services team for complete warranty period after complete system hand over. Bidder to mention support matrix along with bid.	Bidder understands that 24*7 managed service work will be adhered by bidder. Please quantify the number of mandatory resouces to achieve the same.	Bidders will be required to finalize the number of manpower/resources needed to maintain the Network SLA.
83	28	ANNEXURE II Scope of Work & Service Level Agreement,	The Bidder shall assess the sizing requirements for various Hardware, Products, tools, software's, number of ports are required to fulfil the functional, technical and operational requirements of the solution.	Kindly clarify the point with more details	After awarding the contract to the bidder, the BA will visit, survey, and share the prerequisites before implementing any solutions.
84	29	GCC 2a/24/	Termination	Please specify defect cure notice period under the provision.	Defect Cure notice period will be 1 Month
85	30	GCC 2b/24.1/page no. 30	In case the contract is terminated for any breach of the nature specified in clause 24 g stated above, TPWODL shall have the right to terminate all the contracts TPWODL is having with the Associate by issuing termination notice which shall be without prejudice to the other rights of TPWODL available to it under law	This is highly unreasonable that default in one contract will result in termination of other contracts as well. This is highy onerous and can result into huge financial losses to the Associate. We request TPWODL to strike off this part of the Section from the RFP.	Relevant provision mentioned in the the Tender document shall prevails

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86	30	GCC 2a/24.1/page no. 30	Without prejudice to its right to terminate for breach of contract, TPWODL may, without assigning any reason, terminate the Contract in whole or in part at any time at its discretion while the contract is in force by serving a written notice of two weeks to the Associate.	In the event of termination of the Contract by TPWODL for any reason whatsoever, TPWODL shall pay the Associate the following amounts: (a) The Contract Price, attributable to the parts of the Equipment(s)/Work(s) executed including goods and services delivered (including also the Work in Progress) by the Associate up to the date of termination. In respect of capital items deployed in the Project, TPWODL must purchase at the Written Down Value (WDV) from the Associate all IT & non-IT infrastructure and the hardware and software deployed. The costs reasonably incurred by Associate in the ramp down / disengagement of Associate's and its subcontractors' personnel; (c) Any amount to be paid by Associate to its subcontractors in connection with the termination of any subcontracts, including any cancellation charges; (d) Costs incurred by Associate in protecting the Equipment(s)/ Work(s) and leaving the site in a clean and safe condition pursuant to this clause; and (e) The cost of satisfying all other obligations, commitments, and claims that Associate may in good faith have undertaken with third parties in connection with the contract Work in progress. The term "work in progress" shall include but not limited to the value of goods and services meant for delivery to the TPWODL (i) for which manufacturing process was initiated by Associate; or (ii) order was placed by Associate on its vendors, prior to the date of termination.	Relevant provision mentioned in the the Tender document shall prevails
87	30	GCC 2a/24.1/page no. 30	In the event of such termination, TPWODL may finish the Work by whatever method it may deem expedient, including the hiring of services and /or purchase of material equipment from such third parties as TPWODL.....	The condition that purchaser reserves the right to remedied the defects at the risk and cost of the defaulting bidder actually puts the bidder in UNLIMITED/UNCAPPED RISK which is unreasonable, more due to the fact that there are multiple penalties already applicable. Hence, this paragraph may be deleted.	Relevant provision mentioned in the the Tender document shall prevails
88	30	7. General and Functional Requirement,	The same Routing EMS system must be capable to be upgraded to SDN controller by additional licenses/plugins. In case separate solution for SDN is required, must be considered in the solution from Day-1 without any additional cost to the employer	EMS system must be separate to SDN controller, as SDN based controller is developed to work as part of control plane, while NMS/EMS systems are part of management domain, technical architecture standard does not define that, as management plane must be separate control plan to avoid any security risk, pls remove this point.	Clause Removed
89	30	7. General and Functional Requirement - 11,	All the interfaces as requested must be equipped with perpetual or minimum 10 year licenses without any year-based capping on interface usage from Day-1. Non of interface will stop working after end of warranty and support.	10Year must be reduced to 7years as all Hardware warranty is asked in tender for 7years.	The OEM warranty and support period for the product should be 7 years. Additionally, the OEM should ensure that none of the interfaces and services will stop working after the end of the warranty and support period, continuing their functionality for at least 10 years.
90	31	8. Proposed architecture & approach		Architecture does not share any detail with respect to Core Router interconnect with in a data centre, Core router must be interconnected by 100G grey optical link in redundancy, secondly core route must be accepting the traffic via perimeter FW connected to core router on 2x100G link, therefore Grey oe. QSP28 link must be calculated on the basis of the standard architecture, it is recommended to have at least 6x100G QSFP28 must be considered in all core routers apart from 4x100G coherent links. Recommendations is to revisit the architecture to avoid any technical disruption and performance bottlenecks in future.	Amended Core Router Interface and Licensing condition,RFP Point No. 120. The Router should be supplied with following interfaces on Day-One:- (i) 2 x 100GE CFP2-DCO interfaces distributed across two (2) interface line-cards, and equipped with 2 x CFP2 DCO or 100G Coherent SFPs. (ii) 4 x 100GE QSFP28 interfaces, and equipped with 4 x QSFP28 SR SFPs. (iii) 20 nos. of 1/10GE interfaces, and equipped with 2x10G SFP+ eZR/100 KM optical distance cover in 0.3db loss per KM, 2x10G SFP+ ZR, 2x10G SFP+ ER, 2 x 10G SFP+ LR, 2x10G SFP+ SR, 2x1G SFP ZX, 2x1G EX, 2x1G SFP LX, 2x1G SX and 6x1G SFP RJ45 pluggable Optics.
91	32	8. Proposed architecture & approach, Page 32-33		How will the LTE OT routers connect to main network? Will LTE in the field be connected via SIM? Or any tunnel based connectivity?	The OT router will be connected via Optical Fiber Cable (OFC) in a ring/linear configuration to the Aggregation node as the primary link. In the event of an OFC link failure, the SIM will serve as a secondary connectivity option for that particular location.

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92	33	8. Proposed architecture & approach		Architecture section does not clarify about integrating LTE router in the network, LTE router must be incorporated with SDWAN capabilities to provide VPN based secure connections to aggregate or control centre head end devices.	The OT router will be connected via Optical Fiber Cable (OFC) in a ring/linear configuration to the Aggregation node as the primary link. In the event of an OFC link failure, the SIM will serve as a secondary connectivity option for that particular location.
93	35	9. Line Items Detail (BoQ) S. No. 6	SITC of 12U Wall Mount Rack, DC PDU, 20 Mtr power cables and necessary socket along with 7 Year warranty & support.	Please confirm the mentioned power cable is to be provided along with the PDU, also confirm on the required end terminals and core and Sq mm of the cable.	Indian standard end terminal and 02 Core Power cable with min 1.5 Sqmm each.
94	35	9. Line Items Detail (BoQ) S. No. 8	SITC of 42U Rack along with necessary AC PDU and 20 Mtr power cables and necessary socket along with 7 Year warranty & support.	Please confirm the mentioned power cable is to be provided along with the PDU, also confirm on the required end terminals and core and Sq mm of the cable.	Indian standard end terminal and 03 Core Power cable with min 1.5 Sqmm each.
95	37	Line Items details BOQ	SITC of Fiber Management System (FMC 24 PORT/LCPC/1U) Hight For Termination of Optical Fiber including Splicing along with 7 Year warranty & support.	Fiber Panel Sliding, Loaded with Adapter plate, Pigtail, Splice Tray & Fiber Management Kit, 1U, LC type, OS2, 24F	Accepted for Supply
96	37	Line Items details BOQ	SITC of Fiber Distribution Panel (FDP 12 PORT/LCPC/1U Hight) For Termination of Optical Fiber including Splicing along with 7 Year warranty & support.	Fiber Panel Sliding, Loaded with Adapter plate, Pigtail, Splice Tray & Fiber Management Kit, 1U, LC type, OS2, 12F	Accepted for Supply
97	38	Annexure-II, Technical specification of Core Router	Request for including additional clause	If this router is deployed outside DC then the router must have conformal coated variant to operate in harsh environment. As the routers are going to be installed in harsh environments at remote geography locations, the router should be natively Conformal Coated or PCB Enhanced Plated for corrosion mitigation. Incase conformal coated option is not available, to achieve required level of protection, it is required that the router unit be installed in a fully sealed IP65 enclosure with heat exchanger complying with Telecordia GR487. Router should have Digital Optical Monitoring (DOM) should be supported, optics information retrievable including RX/TX-power. As the routers are going to be installed in harsh environments at remote geography locations. It must be protected from Corrosion, humidity and dust.	Not required (All the Core router will be deployed in Data Center/controlled Environment. You can refer the Core architecture design in tender)
98	38	Line Items details BOQ,	LC-LC Optical patch cord 01M duplex	High Link LCU to LCU Fiber Optic Patch Cord, Duplex, OS2, 3M	Specification remain unchanged
99	38	Line Items details BOQ,	LC-LC Optical patch cord 03M duplex	High Link LCU to LCU Fiber Optic Patch Cord, Duplex, OS2, 3M	Specification remain unchanged
100	38	Line Items details BOQ,	LC-LC Optical patch cord 05M duplex	High Link LCU to LCU Fiber Optic Patch Cord, Duplex, OS2, 5M	Specification remain unchanged
101	38	Line Items details BOQ,	LC-LC Optical patch cord 10M duplex	High Link LCU to LCU Fiber Optic Patch Cord, Duplex, OS2, 10M	Specification remain unchanged
102	38	Line Items details BOQ,	LC-LC Optical patch cord 20M duplex	High Link LCU to LCU Fiber Optic Patch Cord, Duplex, OS2, 10M	Specification remain unchanged
103	38	Line Items details BOQ,	LC-FC Optical patch cord 05M duplex	High Link LCU to FCU Fiber Optic Patch Cord, Duplex, OS2, 5M	Specification remain unchanged
104	38	Line Items details BOQ,	LC-FC Optical patch cord 03M duplex	High Link LCU to FCU Fiber Optic Patch Cord, Duplex, OS2, 3M	Specification remain unchanged
105	38	Line Items details BOQ,	LC-FC Optical patch cord 10M duplex	High Link LCU to FCU Fiber Optic Patch Cord, Duplex, OS2, 10M	Specification remain unchanged
106	38	Line Items details BOQ,	FC-FC Optical patch cord 01M duplex	High Link FCU to FCU Fiber Optic Patch Cord, Duplex, OS2, 3M	Specification remain unchanged
107	38	Line Items details BOQ,	FC-FC Optical patch cord 05M duplex	High Link FCU to FCU Fiber Optic Patch Cord, Duplex, OS2, 5M	Specification remain unchanged
108	38	Line Items details BOQ,	FC-FC Optical patch cord 10M duplex	High Link FCU to FCU Fiber Optic Patch Cord, Duplex, OS2, 10M	Specification remain unchanged
109	39	10.1.1 Technical Specification for communication equipment	14. Router should have minimum 150Gbps full-duplex per slot capacity from day-1	With respect to multiple 100G ports - 150Gbps per slot is not accurate and will create network performance bottlenecks, recommendation is to increase to 200Gbps to comply with number of ports per given cards/MPA.	Specification Remain Unchanged
110	40	General Specifications & Architecture - 19	19. The router must have minimum of 8GB packet buffer memory	HBM (high bandwidth buffer memory) must be considered in place of standard buffer memory, and reduce 8GB size to 4GB.	Accepted. The OEM will ensure there is no re-transmission and delay in critical services like SCADA due to the 4GB buffer in the router.
111	40	Technical Specification for communication equipment",	Router shall support minimum non-blocking throughput capacity of 800 Gbps fullduplex or higher at full services scale. Router must have all the licenses to meet the requirement	with respect to increase in number of 100G ports, 800gbps will not able to suffice the requirement, our recommendation is to increase this 1000Gbps to avoid any performance bottlenecks. Request TPCODL to please consider	Specification remain unchanged
112	43	QoS Features83,	Ability to configure hierarchical queues in hardware for IP QoS at the egress to the edge. Minimum 48k	48K Queues are not in line with 20k IPv4 routes, request to consider 2M routes to consider higher quues or reduce the queue size to 4K.	If not 48K Queues - 16K mimimum to provide congestion free network on each port

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113	45	Interface and Licensing condition point - 114	The router must support minimum interfaces natively without the need of adapter or convertors: 6 x 100GE (Coherent) can support both Colored optical modules and Grey optical module, and 60 x 1/10GE	Coherent Ports and QSP28 ports are two separate form factor ports, because of their use-cases, they can never be inter replacable, with QSFP-DD this is interchange is possible, pls consider QSFP-DD to comply.	Modified clause : The router must support minimum interfaces natively without the need of adapter or convertors: 6 x 100GE (Coherent) can support both Colored optical modules and Grey optical module, and 60 x 1/10GE OR the OEM should provide Minimum three (03) Colored Interfaces and four (04) Grey Interfaces from day 01.
114	45	Interface and Licensing condition point - 116,	The router must support line-rate 10GE, 100GE interfaces with both grey and coloured pluggable	Coherent Ports and QSP28 ports are two separate form factor ports, because of their usecases, they can never be inter replacable, with QSFP-DD this is interchange is possible, pls consider QSFP-DD to comply. Request TPCODL to please consider	Modified clause : The router must support minimum interfaces natively without the need of adapter or convertors: 6 x 100GE (Coherent) can support both Colored optical modules and Grey optical module, and 60 x 1/10GE OR the OEM should provide Minimum three (03) Colored Interfaces and four (04) Grey Interfaces from day 01.
115	46	Annexure-II	The Router should be supplied with following interfaces on Day-One:- (i) 2 x 100GE CFP2-DCO interfaces distributed across two (2) interface line-cards, and equipped with 2 x CFP2-DCO or 100G Coherent SFPs. (ii) 2 x 100GE QSFP28 interfaces, and equipped with 2 x QSFP28 SR SFPs. (iii) 20 nos. of 1/10GE interfaces, and equipped with 2x10G SFP+ eZR/100 KM optical distance cover in 0.3db loss per KM, 2x10G SFP+ ZR, 2x10G SFP+ ER, 2 x 10G SFP+ LR, 2x10G SFP+ SR, 2x1G SFP ZX, 2x1G EX, 2x1G SFP LX, 2x1G SX and 6x1G SFP RJ45 pluggable Optics.	In point no (iii) total day-1 interface should be 20 nos of 1/10G and if we calculate total SFPs that's comes 2+2+2+2+2+2+2+2+6= 24 optical transceivers (2x10G SFP+ eZR, 2x10G SFP+ ZR, 2x10G SFP+ ER, 2 x 10G SFP+ LR, 2x10G SFP+ SR, 2x1G SFP ZX, 2x1G EX, 2x1G SFP LX, 2x1G SX and 6x1G SFP RJ45). Please re-check and confirm Total no of optical transceivers of 1/10G are more than total no of 1/10G interfaces asked in the tender. Kindly re-check and confirm.	Additional 04 Nos SFP/module will be in spare
116	46	Interface and Licensing condition point - 117	The router must support minimum interfaces natively without the need of adapter or convertors: 6 x 100GE (Coherent) can support both Colored optical modules and Grey optical module, and 60 x 1/10GE	Coherent Ports and QSP28 ports are two separate form factor ports, because of their use- cases, they can never be inter replacable, with QSFP-DD this is interchange is possible, pls consider QSFP-DD to comply.	Modified clause : The router must support minimum interfaces natively without the need of adapter or convertors: 6 x 100GE (Coherent) can support both Colored optical modules and Grey optical module, and 60 x 1/10GE OR the OEM should provide Minimum three (03) Colored Interfaces and four (04) Grey Interfaces from day 01.
117	46	Interface and Licensing condition point - 119,	The Router should be supplied with all applicable features and perpetual or minimum 10 year licenses from day one. No interface should have year based capping for usage.	10Yrs. must be reduced to 7years as all Hardware warranty is asked in tender for 7years.	The OEM warranty and support period for the product should be 7 years. Additionally, the OEM should ensure that none of the interfaces and services will stop working after the end of the warranty and support period, continuing their functionality for at least 10 years.
118	46	Regulatory Compliance,	The router/series should be compliant/certified for IEEE 1613, IEEE 1613.1, IEC 61000-6-5, IEC 61850-3, IEC/AS 60870.2.1 standards	IEEE 1613, IEEE 1613.1 - These standards are very specific to place router in a substation environment, however here use-cases to place these router in DC Centre environment - request to remove these from current specs, non-complied	Amended. The router/series should be compliant/certified for IEC 61000-6-5, IEC 61850-3, IEC/AS 60870.2.1 standards
119	46	Operating Environmental Requirements, Page 46	Operating temperature: 0°C to +55°C guaranteed	Since this will be in controlled environment, request to reduce it to 0-50°C, non-complied.	Accepted, as core routers are going to be installed in the data center environment/controlled environment
120	47	Annexure-II, Aggregation Router	Request for including additional clause	If this router is deployed outside DC then the router must have conformal coated variant to operate in harsh environment. As the routers are going to be installed in harsh environments at remote geography locations, the router should be natively Conformal Coated or PCB Enhanced Plated for corrosion mitigation. Incase conformal coated option is not available, to achieve required level of protection, it is required that the router unit be installed in a fully sealed IP65 enclosure with heat exchanger complying with Telecordia GR487. Router should have Digital Optical Monitoring (DOM) should be supported, optics information retrievable including RX/TX-power. As the routers are going to be installed in harsh environments at remote geography locations. It must be protected by Corrosion, humidity and dust.	Please refer General Specification Point no 18 (Already available)

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121	48	Performance- 19,	Router shall support minimum 4800 QOS Queues	Recommendation is to reduce to 1k including egress and ingress queing as routing scale does not match with nuber of Queues asked, either increase the routing scale	Accepted. The OEM will ensure there is a congestion-free network on each port of the router.
122	52	Annexure-II	" Must have min 7 x 1GbE Optical, 7 x 10GbE Optical and 4x1GbE RJ45 ports"	We suggest to change the clause to following "Must have fixed 14 x 1/10GbE and 4x1GbE RJ45 ports". In future traffic will increase , 10G port requirement will increase and at the same time 1GE port requirement will be reduce. So the same ports can be used for 10G. We Suggest Aggregation router should have dual rate ports.	Specification remain unchanged. (Considered as per TP Discom's requirement)
123	52	Annexure-II, Access Router for OT	Request for including additional clause	The Access OT Router/Router Series/Router OS/Router family should be EAL3+ certified. However there is no such clause in tender doc. Please confirm. Power grids are susceptible to cyber attack so its recommended to deploy EAL3+ compliant products.	Added, The Access OT Router/Router Series/Router OS/Router family should be EAL3+/NDPP certified.
124	52	1.3 Access Router for OT (PSS)	The router shall support two LTE modules each with dual SIM (over one radio module) and provide cellular connectivity covering - LTE FDD bands: 2100 (B1), 1800 (B3), 850 (B5), 2600 (B7), 900 (B8), 850 (B18), 850 (B19), 1500 (B21) and 700 (B28) - LTE TDD bands: 2600 (B38), 1900 (B39), 2300 (B40) and 2500 (B41)	How will the LTE OT routers connect to main network? Will LTE in the field be connected via SIM? Or any tunnel based connectivity?	The OT router will be connected via Optical Fiber Cable (OFC) in a ring/linear configuration to the Aggregation node as the primary link. In the event of an OFC link failure, the SIM will serve as a secondary connectivity option for that particular location.
125	52	1.4 Access Router for IT Enterprise Interface Requirement	Must have 6 x RJ 45/Copper SFP port with Module, 6 x 1G SFP ports supporting 1G optics with SX, LX, EX, ZX and equipped with 2 x GE SFP SX, 2 x GE SFP LX & 2 x GE SFP EX on Day- 1.	Must have 2x10G SFP+ ports, as access devices must be incoporating and integrating with aggregation ring to offload the data, access layer where data originates and send it back to aggregation/core layer, access layer may also be working as a pre-aggregation points for multiple sites - our recommendation that it must be having at least 2x10G ports to consolidate and send the data towards north side to avoid any performance bottlenecks.	Specification remain unchanged
126	54	Protocols supported,	The router should support 4k labels and 8 label stack depth	OT LTE router wont participiate in MPLS cloud, no point to consider this, pls remove it	Clause Removed
127	54	Security - 26,	The router shall support IEEE 802.1x on access ports	802.1x is a switch feature, which is no where needed in an LTE router, pls remove this.	Specifications remain unchanged, as access ports are required in the OT router for LAN connectivity.
128	54	Quality Of Service23,	b) p-bit value of IEEE 802.1p in VLAN tag	802.1p is a switch feature, which is no where needed in an LTE router, pls remove this.	Specifications remain unchanged, as access ports are required in the OT router for LAN connectivity.
129	55	Annexure-II	Access Router for IT Enterprise Request for including additional clause	As per RFP the Enterprise Router has no mention of "IEEE 1588v2 Precision Timing Protocol (PTP) and Synchronous Ethernet support for network synchronization". However it may require synchronization and clause should be included. Please clarify. E2E Synchronization is must for power utility network deployment	Not applicable as per design architechture. (Routers communicate with the central/data center for time protocol. There is no provision to install GPS/PTP at this location.)
130	55	Annexure-II	Access Router for IT Enterprise Request for including additional clause	We suggest Enterprise routers should support zone based statefull firewall and NAT functions without any additional hardware requirement. Please clarify. For IT application a Firewall must be required and for that additional Firewall equipment will be required that will lead to additional cost.	Not Applicable (We have consided firewall and NAT functionality at the Central/Data Center level)
131	55	Technical Specification for communication equipment	"Operating temperature: 0°C to +55°C" We strongly suggest to change this clusue to "Operating temperature range for Access Router to be -40°C to +65°C" . Please confirm.	This Router is going to be installed in outdoor environment. It must support Operating temperature range -40°C to +65°C.	Specifications remain unchanged for Min operating temp. OEM can offer min and above.
132	55	Technical Specification for communication equipment	Access Router for IT Enterprise Request for including additional clause As per RFP the Enterprise Router has no mention of "IEEE 1588v2 Precision Timing Protocol (PTP) and Synchronous Ethernet support for network synchronization". However it may require synchronization and clause should be included. Please clarify.	E2E Synchronization is must for power utility network deployment	Not applicable as per design architechture. (Routers communicate with the central/data center for time protocol. There is no provision to install GPS/PTP at this location.)
133	55	Technical Specification for communication equipment	Router should support SSH, GRE. Clause to be modified Router should support SSH, GRE & IPSEC.	These routers are going to be deployed on service provide bandwidth , its important to have secured communication and thus IPSEC is must . GRE only provide tunnel and doesn't ensure E2E secure communication using SP network	Specification remain unchanged. However OEM can offer min and above

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134	55	Access Router for IT Enterprise	Access Router for IT Enterprise Request for including additional clause We suggest Enterprise routers should support zone based statefull firewall and NAT functions without any additional hardware requirement. Please clarify.	For IT application a Firewall must be required and for that additional Firewall equipment will be required that will lead to additional cost.	Not Applicable (We have considered firewall and NAT functionality at the Central/Data Center level)
135	55	Environment & Regulatory Compliance,	Operating temperature: 0°C to +55°C	Industrial temperature must be higher range, please consider -10degree to 60degree	Specification remain unchanged. However OEM can offer min and above
136	58	Annexure-II	Router should support SSH, GRE. Clause to be modified	Router should support SSH, GRE & IPSEC. These routers are going to be deployed on service provide bandwidth , its important to have secured communication and thus IPSEC is must . GRE only provide tunnel and doesn't ensure E2E secure communication using SP network	Specification remain unchanged. However OEM can offer min and above
137	59	Access Router for IT Enterprise	"Operating temperature: 0°C to +55°C" We strongly suggest to change this cluse to "Operating temperature range for	IT Enterprise Router may also be require to deploy in harse environment condition. It must support Operating temperature range -40°C to +65°C.	Specification remain unchanged. However OEM can offer min and above
138	59	1.5 NMS/EMS System,	1.5 NMS/EMS System	Request TPCODL What is the location of deployment of the NMS/EMS Solution, Also could you please provide details of information about their Dicoms Existing NMS/EMS systems.	Existing NMS name: Libre NMS, Motadata.
139	59	1.5 NMS/EMS System,	Network Provisioning Platform Should support APIs for customization and integration with Dicoms Existing NMS/EMS systems.	Please provide more information on (make, version, API support and scope of integration) of the existing NMS / EMS systems with which integration should take place. Kindly share the information.	Existing NMS name: Libre NMS, Motadata.
140	59	1.5 NMS/EMS System,	The proposed Network Provisioning Platform shall be deployed with High Availability (HA) and Geo-redundancy. The bidder shall describe in detail the network architecture for Proposed Network Provisioning Platform to ensure continuous	We understand that both local HA in DC and DR is expected. Kindly confirm.	Yes
141	60	NMS/EMS General . Point 12,	Network slice and service lifecycle API (CRUD: create, read, update and delete).	Need more info on Network Slicing requirement	Specification Removed
142	60	NMS/General		Where will the NMS/EMS solution be hosted/installed ? There is no specification of servers mentioned.	NMS/EMS Solution will be hosted centrally in Data Center. Server sizing should be shared by Bidder/OEM durring technical bid submission.
143	62	1.5 NMS/EMS System,	The same Routing EMS system must be capable for SDN controller with out any additional licenses/plugins. Incase separate solution for SDN is required, must be considered in the solution from Day-1 without any additional cost.	Need more details of the expected scope of work for SDN controller. Please Specify	Clause Removed
144	65	1.5 NMS/EMS System	The proposed Network Provisioning Platform shall support network planning and simulation features that include the ability to analyse and simulate traffic pattern for following scenario:	The Network Planning with What-If Analysis will be specific to each vendor. Request to remove this requirement to allow proposal of neutral and vendor independent solution.	Clause Removed
145	75	Core NW: Coherent Optics	Minimum Tx power of Coherent optics must be 0dBm and configurable between - 9dBm and +1dBm	Minimum Tx power of Coherent optics must be 0dBm and configurable between - 11dBm to -1.5dBm	Accepted both Tx power of Coherent optics. Must be 0dBm and configurable between - 11dBm to -1.5dBm & 9dBm and +1dBm
146	76	1.7 SMPS and Battery	43 – 56 VDC	Available voltage range of RM is 43.5V to 57.6V	Accepted
147	77	1.7 SMPS and Battery, Protection	Overvoltage shutdown, short circuit, high temperature, Internal fuse	Kindly ammed this clause as "Overvoltage shutdown, short circuit, high temperaure." As internal fuse is not used in latest technologies SMPS.	Amended as Overvoltage shutdown, short circuit, high temperaure, and suitable surge protection/fuse
148	77	1.7 SMPS and Battery, , Alarms: Red LED "on"	Low mains shutdown, High and low temp, shutdown, Rectifier failure, Overvoltage shutdown on output, Fabfailure, Low voltage alarm, CAN bus failure	Kindly amend this "Low mains shutdown, High and low temp, shutdown, Rectifier failure, Overvoltage shutdown on output, Fabfailure, Low voltage alarm, CAN bus failure or SMPS will work on modbus protocol	Amended as Low mains shutdown, High and low temp, shutdown, Rectifier failure, Overvoltage shutdown on output, Fabfailure, Low voltage alarm, CAN bus failure or SMPS will work on modbus protocol
149	77	1.7 SMPS and Battery, LCD Display(inbuilt)	Back-up time, Load, battery, Mode of operation, Fault, KVA, KW, MIN, Battery Status in Bar on display, Temp Info, Load Info	Kinldy remove this clause	Specification Remain Unchanged. (Required for Local troubleshtong and monitoring)

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150	78	1.8 Online UPS and Battery	180-285V AC, Single Phase on full load & upto 120VACfor 60% load	It shall be 175- 280V AC on full load as per industry standards.	The tender Clause amended as : 180-280V AC, Single Phase on full load & upto 120 VAC for 60% load
151	78	1.7 SMPS and Battery	Intelligent battery management shall be the integral part of S/w being supplied by the UPS OEM. Remote battery test shall also be possible	For Lib what remote testing would require and how to perform. Pl advice as battery connect seperately through its port for communication and local monitoring is only possible for battery	Specification remain unchanged (We required remote monitoring of the SMPS parameter and minimum parameter of battery (i.e SOC in %) in NMS/EMS though SMPS's SNMP port)
152	78	1.7 SMPS and Battery, Battery Management	Intelligent battery management shall be the integral part of S/W being supplied by the UPS OEM. Remote Battery test shall also be possible	Kindly remove "Remote Battery test shall also be possible"	Specification remain unchanged (We required remote monitoring of the SMPS parameter and minimum parameter of battery (i.e SOC in %) in NMS/EMS though SMPS's SNMP port)
153	78	1.7 SMPS and Battery	Max 3U, Standard sized 19 inchRack Mount type only to save on usable space for UPS and battery. UPS Tower Mount not acceptable.	This max 3U size mention is for SMPS & battery ? We would require minimum 4U for SMPS and 3U for Lib for 250W load. And 4U for SMPS and 2 U for Lib for 120W load.	It is not possible to provision 7U space for the battery and SMPS. You can utilize a maximum of 5U space for both SMPS and the battery in a 12U rack.
154	79	1.8 Online UPS and Battery,	0.9 without de-rating for 0 to 45 degC temp range	It shall be "0.9 without de-rating for 0 to 40 deg C but UPS shall work upto 50 deg C" with derating as per industry standard.	UPS Shall work upto 45 deg C without de-rating at 800W load. O/p P.F Shall be 0.9.
155	80	1.8 Online UPS and Battery,	Cold Start, Operating temp range from 0 to +60 deg C	It shall be "Cold Start" as operating temp is already mentioned in Sr no 7 on page no 79 of RFP so ambiguity is there	UPS Shall work upto 45 deg C without de-rating at 800W load. O/p P.F Shall be 0.9.
156	79	1.8 Online UPS and Battery	< 5% (Non-linear load), < 2% (linear load)	It shall be "< 5% (Non-linear load), < 3% (linear load)" as per industry standard	< 5% (Non-linear load), < 2% to < 3% (linear load)
157	79	1.8 Online UPS and Battery	Lithium Ion (LFP) type – 36V; Mount –Rack Mount or tower mount	it shall be "Lithium Ion (LFP) type – 24V; Mount –Rack Mount only" else will consume considerable more space in a 12U rack and shall cause ventilation issue for other equipment if larger than 2U Size (This is in contradiction to point no 21 i.e.VDC in UPS specs of RFP page no 80)	Battery should take maximum 02U spece in 12U rack
158	80	1.8 Online UPS and Battery,	USB port, RS-232 Port & Rj45 Mini Slot with software for monitoring with SNMP connectivity in NMS/EMS	We understand that SNMP card has been asked for the remote monitoring of the UPS parameter only and not for its Li-Ion battery. As per industry standards remote monitoring of smaller AH Li-Ion battery not possible through SNMP card. PL clarify.	Specification remain unchanged (We required remote monitoring of the UPS parameter and minimum parameter of battery (i.e SOC in %) in NMS/EMS though UPS's SNMP port)
159	81	1.8 Online UPS and Battery,	Max 3U, Rack Mount type only to save on usable space for UPS and battery. UPS Tower Mount not acceptable. Standard sized 19 inch rack mounting	This shall be re-evaluated as all OEMs have a Rack Mount UPS in size of 2U in 1kva capacity. Else this will consume critical space in a 12 U rack unnecessarily and may pose thermal challenges as well	Tender Clause amended as (Max 4U, Rack Mount type only to save on usable space for UPS and battery. UPS Tower Mount not acceptable. Standard sized 19 inch rack mounting)
160	81	1.8 Online UPS and Battery,	(All ISO/NABL Certificate from OEM for their Indian Operations are required).	This shall be ISO certificates for OEM factory and NABL Certificate for NABL own Quality testing lab at their factory in India.	Tender clause stands. Specification remain unchanged
161	81	1.9 12U Rack,	Rack should be ISO Certified Brand and support mounting of all models of Router, Switches, DVR/NVR, Optical Repeater, Line Amplifier, Battery charger and Battery Bank.	We understand that 1kva UPS and its Li-Ion battery Pack shall also be installed in this 12U racks at site. Kindly clarify	Yes, UPS and SMPS along with battery shall also be installed in this 12U racks at site
162	81	1.9 12U Rack,	Sheet/Angle thickness missing	Kindly advice so that all bidders offer better and equivalent product	The thickness of sheet/angle shall be worked out by the bidder/OEM based on loading capacity given in the tender
163	81	1.9 Rack 12 U,	PDU Horizontal 8 Nos. female socket – Indian standard Round Pin 5A & 15A dual type with 16A MCB / 08 pin DC Power strip with 20Amp MCB.	Please change the number of sockets to 6 Nos. so as to enable accommodation of sockets, not occupying more usable space for the PDU.	Requirement remain unchanged
164	81	1.9 Rack 12 U,	PDU Horizontal 8 Nos. female socket – Indian standard Round Pin 5A & 15A dual type with 16A MCB / 08 pin DC Power strip with 20Amp MCB.	Please confirm do we need to provide DCDB here having 8 MCB's of 20 Amp rating.	Yes
165	81	1.9 12U Rack,	Dimension Sheet/Angle thickness missing	Kindly provide the dimension of the sheet /angle thickness so that all bidders offer better and equivalent product	The thickness of sheet/angle shall be worked out by the bidder/OEM based on loading capacity given in the tender
166	81	1.9 Rack 12 U, Page 81 -82	Rack 12 U	For the field location, they need to confirm the bifurcation of AC/DC racks. Whether all the racks are going to be deployed on DC or AC accordingly we need to factor our installation effort and passive material supply.	AC/DC racks are listed as separate line items in the BoQ. During placement of the RO, Discoms will confirm the delivery location and rack quantity as per the BoQ line items

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167	82	1.9 12U Rack,	Bidder should provide Separate electronic earthing (<2ohm) at location of above device installation and separate electronic earthing BUS BAR should be provided inside the RACK. Body Earthing should be separate from electronic earthing	Provision for earthing connection will be provided within cabinet. External arrangement like external earth pit/earth strip/connecting cables and any other accessories needed will not be in OEM scope	Yes, External earth pit/earth strip/connecting cables are in a separate line item (i.e SITC of Chemical Earthing in tender BoQ)
168	82	1.10 42U Rack,	Max width & Depth not mention for 42U rack	Request complete dimension details of 42U rack along with the sheet/angle thickness	The thickness of sheet/angle shall be worked out by the bidder/OEM based on loading capacity given in the tender
169	82	1.10 Rack 42 U,		Please confirm on the required Width and Depth of the rack.	Please refer rack specification
170	82	1.9 Rack 12 U,	Load Rating Minimum 80 Kg load and 100 Kgs overall	Being a wallmount rack, please allow for equipment load rating of upto 40 Kgs.	Load Rating Minimum 60 Kg load and 70 Kgs overall
171	82	1.10 Rack 42 U,	Top cover with 4 X cutout of DIA 112mm for fan mounting and 2 nos. of cutout of DIA 112mm for cable entry. Bottom cover with 4 X cutout of DIA 112mm for cable entry. All cutout should be fitted with industrial standards flexible rubber seal.2 pairs 42U 19" L type angle front and rear with U marking .6 X punched sections colour RAL9005	Since, these are vendor specific cut-out, request you to allow for top and bottom panel with standard cut-out and gland plate as per OEM.	Specification remain unchanged
172	82	1.10 Rack 42 U,	Power cable (3 core X 16 sqmm CU Arm FRLS Cable)- Approximately 20 Mtr for DC with surge arrester should be provided (Cable length might increase slightly based on site requirement)	Please confirm the mentioned power cable is to be provided along with the PDU, also confirm on the required end terminal.	Power cable is to be provided along with the PDU and Indian standard end terminal and 03 Core Power cable with min 1.5 Sqmm each.
173	83	42 U Rack	Bidder should provide Separate electronic earthing (<2ohm) at location of above device installation and separate electronic earthing BUS BAR should be provided inside the RACK. Body Earthing should be separate from electronic earthing	Provision for earthing connection will be provided within cabinet. External arrangement like external earth pit/earth strip/connecting cables and any other accessories needed will not be in OEM scope	Yes, External earth pit/earth strip/connecting cables are in a separate line item (i.e SITC of Chemical Earthing in tender BoQ)
174	83	1.11 Chemical Electronics Earthing	1.11 Chemical Electronics Earthing	Please provide below clarity for earthing. 1. Kindly mention the distance from earth pit to Rack for each site. 2. Copper Wire Thickness will be 4 MM(Standard) or any suggestion from customer, kindly mention the same. 3. Laying will be PVC Conduit or Open with along with Route with details.	1. Distance from earth pit to Rack for each site: During suvery BA will finalize exact distance (Avarage distance will be 10 to 20 Mtr) 2. Copper wire thickness will be 6MM 3. Laying will be PVC Conduit
175	92	Section 14,	Warranty period shall be 07 years from the date of successful installation of bidder's supplied equipment. BA need to mention AMC cost for next 07 years for all types of services for bidder supplied equipment.	We understand that in this Clause Warranty and AMC word used is same and BA to Quote Warranty/AMC for 7 Years from the date of supply	Yes, AMC and Warrenty will start from the date of supply.
176	93	14.1,Network (Service) Availability	The network wide node availability (monthly) will be calculated as follows: The Network availability should be 99.95%	As per Power companies industry standard, the network availability should be 99.5% as no equipment at site level will be at redendent level. Please incorporate.	Amended. Network (Service) Availability The network wide node availability (monthly) will be calculated as follows: The Network availability should be 99.5%
177	93	14.3, Page 93	Supplier has to intimate the list of minimum spares required to maintain the communication system of TPCODL/TPNODL/TPSODL/TPWODL discom . Respective Discom reserves the right to procure the same.	Bidder understands that the spares required to maintain the communication system will be the part of SOR line items.	To maintain the network SLA, BA will confirm the minimum spare quantity during AMC.
178		Note:		Security is a very key aspect for all Utility companies globally as well as in India. We request to Tata Power to relook at the points related Security proposed by Nokia and include these in the RFP. Looking at above point 7, 10 and 11 all are security related technical compliance those are not incorporated and asked specifically in this RFP. We would like to emphasis on all security related points should be incorporated in details in Tendor Document.	We have already taken care the necessary network security measures for the solution
179		Note:		Kindly share available power supply options at all Industrial Router location. We are proposing Industrial Router that require 12/24V DC input power.	In PSS 20V-36V DC or 44V-60V DC power supply available. (Please consider device can operate in DC voltage range from 20V to 60V.
180		New Point		The devices installation is one time activity, in case the reinstallation is required it will be done on charagable basis.	Reinstallation and relocation of 10% device are included in product support/AMC period.
181		New Point		As UPS & Battery are the accessories Item in the Tender , the bidder should be free to supply any mentioned make in the tender, post award. Post release of RC , Bidder is free to Procure Accessories material (UPS , SMPS and Batteries) from any prescribed OEM , mentioned in Tender Document.	Not acceptable
182		GENERAL		Kindly confirm which GCC out of the 4 different GCC will be applicable for this tender.	Procurement to be done for 4 Discoms. So all Discoms GCC will applicable.

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183		GENERAL	O&M Start date of each phase.	In case of any non-integration of any site/batch of sites due to any reason or issues, the remaining sites should be considered for handover and their O&M start date should be identified. Once the issued sites will be cleared, they can add on - in the scope of work of operations accordingly.	Yes
184		GENERAL	Bandwidth	Kindly confirm if there is any bandwidth required from bidder side	No, as per the Core, Aggregation, and Access design, we will use dark fiber for the same.