

Annexure A : Pre-bid query responses for tender of Implementation of Substation Monitoring System (SMS)

Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
1	Bidder 1		2.4 - (4)	ABT and Net Meters shall have all the valid test certificate and BIS certificate, compliant to latest IS as applicable.	Is Supply of ABT Meter considered in the scope of bidder.	No
2	Bidder 1		U	Within 14 (fourteen) days of receipt of the Letter of Award from the Employer, the successful bidder shall furnish to the Employer a Performance Bank Guarantee Bond for proper performance of the Contract as well as satisfactory performance of operational support, Product & Implementation to an amount not less than Five Percent (5%) of the Contract Price in accordance with the Conditions of Contract.	Please consider PBG as 3% inline with other state tenders.	As per RFP
3	Bidder 1		6-(A)-I-(3)	The bidder should have a minimum average annual financial turnover of Rs. 190 Crores during the last Three financial years ending 31st March of the previous financial year.	Minimum Average Turnover to be allowed as 30% of contract value, in last 3 years, in line with requirement in RDSS tender specification.	As per RFP
4	Bidder 1		V-(i)	The Zero date of the contract shall commence from the date of issue of LOA by the EMPLOYER. Time period of contract is 36 months which includes maximum 12 months of Implementation of Substation Monitoring System.	Considering the scale of the project in terms of equipments and installation locations, we would request to increase the implementation period from 12 months to 24 months.	As per RFP
5	Bidder 2	76	2.11. Technical Requirements for Cloud Service Providers (CSP):	h. The responsibilities of CSP include migration of the data, content and any other assets to the new environment or on alternate cloud service provider's offerings and ensuring successful deployment and running of the Utility's Solution on the new infrastructure	We request to change the clause to: The responsibilities of MSP include migration of the data, content and any other assets to the new environment or on alternate cloud service provider's offerings and ensuring successful deployment and running of the Utility's Solution on the new infrastructure	Please refer Corrigendum
6	Bidder 2	76	2.11. Technical Requirements for Cloud Service Providers (CSP):	d. CSP should suitably address all the potential risks and issues in cloud implementation including data security and privacy, increased complexity in integration with existing environments, vendor lock-in, application portability between different platforms, exit management / Transition-Out Services etc.	Security and compliance is shared responsibility model in Cloud between CSP/MSP and Customer. We request to change: CSP/MSP should suitably address all the potential risks and issues in cloud implementation including data security and privacy, increased complexity in integration with existing environments, vendor lock-in, application portability between different platforms, exit management / Transition-Out Services etc.	Please refer Corrigendum
7	Bidder 2	77	9.1.3. Cloud Network Requirement	a. CSP must ensure that the non-production and the production environments are in separate VLANs in the cloud so that users of the two environments are separated.	We request to change the clause from point a to m as following: MSP/CSP must ensure that the non-production and the production environments are in separate VLANs in the cloud so that users of the two environments are separated. Likewise same changes from point a to m shall be modified as above.	Please refer Corrigendum
8	Bidder 2	78	9.1.6. Cloud Security Requirements	b. CSP should ensure that any OS provisioned as part of cloud virtual machine should be patched with latest security patch.	Please modify the clause as below: MSP should ensure that any OS provisioned as part of cloud virtual machine should be patched with latest security patch.	Please refer Corrigendum
9	Bidder 2	78	9.1.6. Cloud Security Requirements	e. CSP should deploy public facing services in a zone (DMZ) different from the application services. The Database nodes (RDBMS) should be in a separate zone with higher security layer.	Please modify the clause as below: MSP should deploy public facing services in a zone (DMZ) different from the application services. The Database nodes (RDBMS) should be in a separate zone with higher security layer.	Please refer Corrigendum
10	Bidder 2	79	9.1.7. Data Management	m. CSP should clearly define policies to handle data in transit and at rest.	Please modify clause as: MSP should clearly define policies to handle data in transit and at rest.	Please refer Corrigendum
11	Bidder 2	80	9.1.9. Business Continuity Plan & Backup Services	vi. Media management including, but not limited to, tagging, cross-referencing, storing (both onsite and off-site), logging, testing, and vaulting in fireproof cabinets if applicable.	We request to delete the clause : With the arrival of latest technologies Tape/Media based backup are obsolete, latest Disk to Disk based mechanism is being used for faster backup and quick recovery. Therefor this is not applicable in the cloud hence please take this off.	Please refer Corrigendum
12	Bidder 2	82	9.2. Security	i) Cloud HSM: Meet regulatory compliance requirements for data security by using dedicated Hardware Security Module (HSM) appliances within the Cloud.	Please clarify: KMS has been asked in the above point no. g, does MSEDCL also requires HSM solution or this is from future requirement standpoint?	Please refer Corrigendum

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13	Bidder 2	82	9.2. Security	k) Organizations: Policy-based management for multiple consumer accounts. With Organizations, you can create groups of accounts and then apply policies to those groups. CSPs also offers access to additional third-party security tools (e.g., IDS / IPS, SIEM) to complement and enhance the consumers' operations in the Cloud. The third-party security tools complement existing Cloud services to enable consumers to deploy a comprehensive security architecture. environment.	Please clarify the followings: Does MSEDCL require SIEM for this proposal OR MSEDCL want to leverage this in future?	As per RFP
14	Bidder 3	48	i. Router for control center 1	Router should have 4 nos. of 10/100/1000 Base-T WAN ports and all the ports should have SFP based ports option. Router should have 2 10G SFP+ ports (loaded with required transceivers). Router should have 1x RJ-45 and 1xUSB console port.	We request you to modify the clause as " Router should have 4 nos of 10/100/1000 Base -T WAN ports and 2x10G SFP+ ports". Justification :This will help us to qualify and position the right model. Also for the command control center, 2x10G fibre ports will be sufficient. Hence we request you to consider the suggested modification.	As per RFP, bidder has to provide its own solution and if they are using of the equipment mentioned in the RFP, the equipments should meet minimum specification given in the RFP
15	Bidder 3	45	h. Layer 3 Core Switch 1	The Switch should have at least 24 10G SFP+ ports (loaded with required transceivers) and 24 Ports Gig Ethernet Port	Query: Pls help to understand the exact port requirement here. The switch will have 24 ports which can be populated with 1/10G transceivers including 1G copper transceivers. Suggested Modification : The switch should have at least 24 10G SFP+ ports loaded with 12x10G multimode transceivers and 12x1G copper transceivers. Justification: If the port requirement is changed to more than 24 ports , then the other specifications such as stacking , performance etc also will need to change. hence we request you to accept the suggested modification.	As per RFP, bidder has to provide its own solution and if they are using of the equipment mentioned in the RFP, the equipments should meet minimum specification given in the RFP
16	Bidder 3	46	h. Layer 3 Core Switch 14	The Switch support multicast features like IP Multicast and PIM, PIM Sparse Mode, PIM Dense Mode, PIM Sparse-dense Mode & Source-Specific Multicast	Suggested Modification: The switch should support multicast features like IP Multicast and PIM, PIM Sparse Mode / PIM dense Mode / PIM Sparse-dense Mode & Source Specific Multicast. Justification: PIM dense mode uses flooding which is an inefficient way of multicast. So dense mode and dense-sparse mode are no longer used and supported on our switch. PIM-SM and PIM-SSM are much more efficient ways of multicasting and widely deployed across enterprises. Hence we request you to modify the clause as suggested.	As per RFP, bidder has to provide its own solution. As per the solution they are supposed to provide necessary equipments to meet SLA.
17	Bidder 3	39	f. Layer 2 Managed Switch 1	Switch should have non-blocking wire speed architecture. Should support IPv4 and should have non-blocking switching fabric of minimum 128 Gbps or more and should have Forwarding rate of minimum 190 Mpps	For a 24 port switch with 4x10G uplinks, the switching capacity is 128 Gbps and forwarding rate is 95.23 Mpps. We request you to change the forwarding rate to 95.23 Mpps. Justification: This is standard across switching vendors. Hence requesting you to modify the clause as suggested so as to allow us to qualify and participate here.	As per RFP, bidder has to provide its own solution and if they are using of the equipment mentioned in the RFP, the equipments should meet minimum specification given in the RFP
18	Bidder 3		Scada Gateway router / WAN router	Specification of WAN router / Scada Gateway router	We find that the specifications asked for Scada gateway router and WAN router is the same. Please help us to understand if these are to be quoted separately or they are the same. Also please help to understand the quantity of these routers whether 1 per substation or 2 per substation.	Refer revised RFP. WAN router / Scada Gateway router are optional. However bidder has to provide any one of the communication equipment (DCU/WAN Router / Gateway / Modem) at substation level.
19	Bidder 4	12	2.4. Design, engineering, Supply of materials and Installation, testing, commissioning and monitoring at MSEDCL's Field location/ offices at substation	Bidder to integrate ABT Meter data installed at additional bay in Substation (by solar developer)	We request you to please confirm whether ABT & Net meter supply is in the scope of this tender or MSEDCL will provide.	<i>ABT Meter will be provided and installed by Solar Developer and Net Meter supply and installation is in Bidder's scope.</i>
20	Bidder 4	23	II. Technical Specifications of CCC Components	II. Technical Specifications of CCC Components	We request you to please confirm that for CCC, provision of suitable space, furniture, interiors, air-conditioning will be provided by MSEDCL.	Yes, it will be provided by MSEDCL
21	Bidder 4	26	II. Technical Specifications of CCC Components	System should have a provision of a decision support system	We request you to please clarify the requirements in details to design and propose best-in-class solution	<i>Bidder has to propose a decision support system based on substation data available and same will be modified/approved by MSEDCL</i>
22	Bidder 4	29	2.8. Complaints and ticket management system:	Complaints and ticket management system: Implementing Agency Engineer	We request you to please confirm that MSEDCL will provide agency engineer to handle the complaints and tickets will be provided and not in the scope of the bidder.	As per RFP
23	Bidder 4	68	a) Multi-Function Meter (MFM)	Multi-Function Meter (MFM)	We request you to please consider the MFM specifications as per PFC's Standard Bidding Document published for the RDSS.	As per RFP

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24	Bidder 4	84	2.12. Reports and Dashboard	Data-points - (Feeder incomer, Transformer LV, Solar feeder, outgoing feeders and outgoing feeders)	We request you to please confirm that Analog parameters shall be limited to as provided by MFM/Net meter only.	As per RFP
25	Bidder 4	86	2.12. Reports and Dashboard	Integration of HES/DAS/ MDM with MSEDCL systems. Bidder has to provide DAS/ HES/ MDM and integrate the same with MSEDCL systems (currently deployed on AWS cloud) using Web Services/ APIs.	We request you to please confirm whether the supply of HES/MDM in the scope of this tender? Or only integration with existing HES/MDM is to be considered.	As per RFP
26	Bidder 4	86	2.12. Reports and Dashboard	For Monitoring of capacitor bank in sub-station following parameters are to be monitored: i. Current, Voltage, Power Factor, Under Voltage indication, Over Voltage indication, Neutral current measurement (Healthiness of Neutral Displacement Relay) ii. Indication for taking bank in circuit depending on load condition. iii. Measurement of instantaneous values of MW, MVAR, KV and Connected capacity of capacitor Bank.	We request you to please clarify that the contacts/signals are available in the capacitor bank panels and no separate device is required to be installed.	As per RFP
27	Bidder 4	86	2.12. Reports and Dashboard	Status of substation DC auxiliary supply (including monitoring of voltage, current, power and energy)	We request you to please confirm that this is limited to the DC Power Supply being supplied under this tender, and not for existing DC supply.	Status of substation DC auxiliary supply is for both (scope under this tender, and existing DC supply.)
28	Bidder 4	86	2.12. Reports and Dashboard	Implement civil and electrical work required for all the supplied equipment including separate earthing.	We request you to please confirm that only minor civil works are in our scope. Digging, foundations, trenches, etc. are not included.	As per RFP
29	Bidder 4	136	EE. BILLING AND PAYMENT TERMS	Bidder to collect monthly duly signed substation wise certificate for data accuracy and validity and enclose the original certificate with the quarterly tax invoice (on the basis of separate monthly calculations) to corporate office.	Kindly confirm the signing authority for this certificate, whether it is be SE of respective Circle or some other authority.	SE of respective Circle
30	Bidder 4	141	iv. Data storage:	Data storage: Bidder will provide 5 minutes interval data (i.e. 288 slots data in a day) or any other configurable interval as decided by MSEDCL on real time basis on which SLA will be measured.	As per the current RFP document's various sections/clauses, data interval is mentioned as 10 seconds, 5 minutes and 15 minutes. We request you to please confirm the data storage duration/tenure to be considered for system sizing purposes.	Real time refresh rate is 10 sec and data storage time is 5 min for measurements. Please consider contract period as data storage duration.
31	Bidder 4	173	Annexure # 3 MNRE Guidelines	Annexure # 3 MNRE Guidelines	We understand that this annexure is provided for reference only, and that the system/facilities mentioned herein are to be provided by the respective solar developers.	As per RFP. MNRE Guidelines are to be followed by bidder for RMS integration at solar plant commissioned by solar developers.
32	Bidder 4	10	2.1. Brief Scope of Work	Survey and freezing of quantity: Bidder to survey all substations to finalise the bill of material required for project. Further, bidder should also provide the detail survey regarding WTI and OTI whether motorized or non-motorized	We request you to please clarify the meaning of motorized and non-motorized mentioned for WTI and OTI of Power Transformer scope of work	Refer revised RFP.
33	Bidder 4	11	2.3. Survey and work plan	Within 45 days after issue of LOA to successful bidder to conduct a joint survey with concerned MSEDCL Testing Division/ Circle has to carry out the detailed survey of substations allotted to them.	The time allotted for survey (i.e., 45 days) is very less to cover 3000+ substations. Please allow at least 90 days period at the minimum to perform qualitative site survey & assessment activities	As per RFP
34	Bidder 4	14	2.5. Design, engineering, Supply of materials, Installation, testing and commissioning at Control and command center	Bidder should also consider the cost required for network integration, data processing and data transfer charges (Both IN and OUT) from existing MSEDCL account for entire contract period.	We request you to please confirm that data processing, data transfer and network integration cost pertaining to current scope of work only and not to be considered for the existing MSEDCL applications.	Yes.
35	Bidder 4	15	C) Integration with RMS at Solar Plant commissioned under MSKVY 2.0	Integration with RMS at Solar Plant commissioned under MSKVY 2.0 The Solar generation data at solar plants i.e. inverter data and ABT meter at plant will be available through RMS installed by solar developers under MSKVY 2.0. The same shall be integrated with Command and Control Centre as per MNRE Guidelines (Annexure- 3). The RMS data shall also be made available in LDMS at Substation Level.	We understand that as per the RMS architecture under MNRE, data of Solar Plant is available in the cloud. Therefore, integration with this service at command and control centre is possible. However, at LDMS level there is no such connectivity, and hence only net meter data of solar feeders can be made available at the LDMS level.	Please refer Corrigendum
36	Bidder 4	19	2.6. Technical and Functional Specifications	All data should be refreshed within 10 seconds or any other configurable interval as decided by MSEDCL and Log shall be provided by the bidder to measure the same with time stamp on demand.	We request you to please confirm the data refresh minutes interval.	Real time refresh rate is 10 sec and data storage time is 5 min for measurements

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37	Bidder 4	33	b) WAN router	WAN router	We request you to please confirm that WAN router is not mandatory and bidder is allowed to offer as per their own solution design & technology for the last-mile connectivity.	Refer revised RFP. WAN Router is optional. However bidder has to provide any one of the communication equipment (DCU/WAN Router / Gateway / Modem) at substation level.
38	Bidder 4	35	DC Power Supply	DC Power Supply	1. We request you to please confirm that the DC Power Supply has to cater only to the substation devices offered by the bidder under current scope of work of tender. 2. We request you to please confirm the backup duration.	1) Bidder to evaluate equipment requirement to meet the scope of work as per their proposed solution. 2) Please refer corrigendum, backup duration should be at least minimum 4 hours
39	Bidder 4	41	g) SCADA Gateway Router	SCADA Gateway Router	We request you to please confirm that the SCADA Gateway/router is not mandatory and bidder is allowed to offer as per their own solution design & technology for (such as RTU/DCU) for the substation data transfer to control centre and LMS.	Refer revised RFP. Gateway / Router is optional. However bidder has to provide any one of the communication equipment (DCU/WAN Router / Gateway / Modem) at substation level.
40	Bidder 4	62	q) Data Concentrator Unit (DCU)	Data Concentrator Unit (DCU)	We request you to please confirm that the DCU is not mandatory and bidder can offer his own solution (such as RTU with DCU functions) for the substation data transfer to control centre and LMS.	Refer revised RFP. DCU is optional. However bidder has to provide any one of the communication equipment (DCU/WAN Router / Gateway / Modem) at substation level.
41	Bidder 4	88	2.15. Operational Support and Maintenance of the Solution	It is bidder's responsibility to replace OTI / WTI existing sensors / device if required including all wiring required for monitoring / controlling of the above parameters to meet the scope of work.	We request you to please confirm that this is limited to the OTI/WTI sensors and not for other sensors/devices.	Refer revised RFP
42	Bidder 4	134	AA. LIQUIDATED DAMAGES	In case of a delay in the deliverables (milestones as per below table) within the period stipulated in the agreement, the Bidder shall be liable to pay, at the discretion of the competent authority of MSDCL, the liquidated damages to MSDCL up to ½ % of total contract value (incl. GST) if applicable per week or part of week on the price pertaining to delayed activities, subject to a maximum ceiling of 10% reckoned on the total contract value.	We request change as below - In case of a delay in the deliverables (milestones as per below table) within the period stipulated in the agreement, the Bidder shall be liable to pay, at the discretion of the competent authority of MSDCL, the liquidated damages to MSDCL up to ½ % of total contract value (incl. GST) on the price pertaining to delayed activities if applicable per week or part of week, subject to a maximum ceiling of 10% reckoned on the total contract value.	Refer revised RFP
43	Bidder 4	138	b) Payment based on availability of data in s/s:	If any parameter (such as V,I,PF, Power, energy, relay & CB status etc.) of the line items/equipment is missing/ not available for complete month due to bidder's issue then no payment shall be made to the bidder for that equipment	As there is no feeder/equipment wise pricing given in Price Bid Format, request you to please provide clarity regarding calculation of penalty for this particular clause.	Refer revised RFP.
44	Bidder 4	138	b) Payment based on availability of data in s/s:	In case of Power Transformer monitoring, if any monitoring (such as oil level, winding temperature etc.) as mentioned in Form#5 price schedule is practically not possible then payment for the devices/ sensors which are used for such monitoring will not be given to the bidder. For example, in case of power Transformer monitoring if oil level monitoring is not possible then the payment of the sensor/ any other device which is used for oil level monitoring will not be given to the bidder. Similarly, for all other equipment (i.e. feeder monitoring, capacitor bank monitoring, DC battery monitoring, Sub-Station Distribution Transformer monitoring) also similar process will be followed. The bidder should submit documentary evidence duly certified by MSDCL testing division for which monitoring is not possible.	As there is no Power Transformer/equipment wise pricing given in the Price Bid Format, request you to please provide clarity regarding calculation of penalty for this particular clause.	Refer Revised RFP
45	Bidder 4	167	Appendix# 10: Mandatory Technical Requirement:	In case of disaster cloud services should provide RPO <=15 Minutes and RTO <= 2 Hours. Bidder shall develop appropriate policy, checklists for failover and fallback to DR site.	As per the clause on page 80, RPO is mentioned as 2 hours, and RTO as 4 hours. Please clarify what is to be followed.	Refer Revised RFP
46	Bidder 4	194	Form # 5 Price Schedule	Form-5 - Price Schedule	As per current price bid format, price to be quoted is mentioned as per-substation per-month. However, in payment terms it is mentioned that 60% of per substation cost will be paid after Go-live and 40% on quarterly basis during the maintenance period. Please clarify how this will be disbursed. Also, as there is no linkage of CCC room setup with Substation level work and both activities can be performed simultaneously. Hence, we would request to make separate line items for price schedule of CCC, I&C, FMS.	Refer Revised RFP

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47	Bidder 5		6. APPENDICES Appendix #: 1 Qualification Criteria & Technical Evaluation A. Qualification Criteria for Bidder		<p>The Bidder may seek qualification on the basis of technical and financial capability of its Parent(s) and/ or its Affiliate(s) , for the purpose of meeting the qualification requirements. Authorization for use of such technical or financial capability shall have to be provided from its Parent(s) and/or Affiliate(s).</p> <p>The determination of the relationship of Parent(s) and/or Affiliate(s) with the Bidder shall be on the date 7 (seven) Days prior to the Bid Submission Deadline. Documentary evidence to establish such relationship shall be furnished by the Bidder along with the Technical Bid.'</p> <p>This being a large and complex project all credentials may not be available with a single company. Including the requested clause will help to take credential, technical know-how of group companies in the best interest of the project.</p> <p>This clause is commonly used in most of the RFPs across the country, including Maharashtra.</p>	As per RFP
48	Bidder 6	149	Appendix # 1 Qualification Criteria for Bidder i. (2) Project Experience	<p>Experience in Implementation:</p> <p>1) The Sole / Lead / Consortium member successfully completed similar works in the power sector in India for at least 200 substations or 1000 feeders cumulatively during the last 5 years at the time of bid submission date.</p> <p>and</p> <p>2) The Sole / Lead / Consortium member cumulatively shall have executed similar works with a cumulative Total Project Value of Rs. 100 Crores or more during the last 5 years within India only.</p> <p>Note:</p> <p>Similar works means successful implementation / Integration / Go-Live of SCADA / RT-DAS / Substation Monitoring System / Feeder Monitoring System / IoT-based Remote Monitoring System in Central Govt/State Govt/PSU/Public Sector in India.</p>	<p>Experience in Implementation:</p> <p>1) The Sole / Lead / Consortium member successfully completed similar works in the power sector in India for at least 200 substations or 1000 feeders or 15,000 IoT devices cumulatively during the last 5 years at the time of bid submission date.</p> <p>and</p> <p>2) The Sole / Lead / Consortium member cumulatively shall have executed similar works with a cumulative Total Project Value of Rs. 100 Crores or more during the last 5 years within India only.</p> <p>Note:</p> <p>Similar works means successful implementation / Integration / Go-Live of SCADA / RT-DAS / Substation Monitoring System / Feeder Monitoring System / IoT-based Remote Monitoring System/ IoT devices integrated with and manged from a central command and control centre in Central Govt/State Govt/PSU/Public Sector in India.</p>	As per RFP
49	Bidder 6	151	Appendix # 1 A. Technical Evaluation	<p>Minimum average annual turnover in the last audited 3 financial years (FY 20-21, FY21- 22 and FY 22- 23).</p> <p>1) INR 190 Cr to INR 250 Cr : 5 Marks 2) More than INR 250 Cr till INR 300 Cr : 10 Marks 3) More than INR 300 Cr : 15 Marks</p>	<p>Minimum average annual turnover in the last audited 3 financial years (FY 20-21, FY21- 22 and FY 22- 23).</p> <p>1) INR 190 Cr to INR 250 Cr : 5 Marks 2) More than INR 250 Cr till INR 275 Cr : 10 Marks 3) More than INR 275 Cr : 15 Marks</p>	As per RFP

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50	Bidder 6	151	Appendix # 1 A. Technical Evaluation	<p>The Sole / Lead / Consortium member successfully completed SCADA system/ Substation monitoring system / Feeder Monitoring System / RT-DAS Project / IoT based Remote Monitoring System in power sector in India for at least 200 substations or 1000 feeders cumulatively during last 5 years at the time of bid submission date.</p> <p>>= 200 substations and < 500 substation : 10 Marks OR >= 1000 feeders and < 1500 feeders : 10 Marks >= 500 substations and < 1000 substation : 20 Marks OR >= 1500 feeders and < 3000 feeders : 20 Marks</p>	<p>The Sole / Lead / Consortium member successfully completed SCADA system/ Substation monitoring system / Feeder Monitoring System / RT-DAS Project / IoT based Remote Monitoring System in Government sector in India for at least 200 substations or 1000 feeders or 15 000 number IoT devices integrated and managed from a central command and control centre cumulatively during last 5 years at the time of bid submission date.</p> <p>>= 200 substations and < 500 substation : 10 Marks OR >= 1000 feeders and < 1500 feeders : 10 Marks OR IoT devices integrated>= 10000 and <15000: 10 Marks >= 500 substations and < 1000 substation : 20 Marks OR >= 1500 feeders and < 3000 feeders : 20 Marks OR IoT Devices integrated >=15000 and <20000 : 20 Marks >= 1000 substations : 25 Marks OR >= 3000 feeders : 25 Marks OR IoT Devices integrated >=20000: 25 Marks</p>	As per RFP
	Bidder 7		2.10. Model Technical specifications k) Next Generation Firewall	<p>Hardware Architecture: 1) The appliance-based security platform should provide firewall, AVC and IPS and Zero-day protection functionality in a single appliance from day one 2) The appliance should support at least 8 * 1G Gigabit ports and 2x1G SFP, 2*10G SFP including transceiver + ports from Day1 3) The appliance hardware should be a multicore CPU architecture with a hardened 64-bit operating system to support higher memory and should have minimum of 32 GB of RAM 4) Proposed Firewall should not be proprietary ASIC based in nature & should be open architecture based on multi-core CPUs to protect & scale against dynamic latest security threats. 5) The proposed solution shouldn't use a proprietary ASIC hardware for any kind of performance Improvement. If option to disable ASIC is there than OEM must mention the performance numbers in datasheet</p>	<p>1) The appliance-based security platform should provide firewall, AVC and IPS and Zero-day protection functionality in a single appliance from day one 2) The appliance should support at least 8 * 1G Gigabit ports and 8x1G SFP, 8*10G SFP including transceiver + ports from Day1 3) The appliance hardware should be a multicore core architecture with a hardened 64 bit operating system to support higher memory and should support minimum of 8GB of RAM 4) Proposed Firewall should not be proprietary ASIC based in nature & open architecture based on multi-core cpu's to protect & scale against dynamic latest security threats 5) The proposed solution shouldn't use a proprietary ASIC hardware for any kind of performance Improvement. If option to disable ASIC is there than OEM must mention the performance numbers in datasheet</p>	As per RFP
				<p>Performance & Scalability 1) Should support 5 Gbps(1024 bytes) of NGFW (FW, AVC and IPS) real-world / production performance 2) Firewall should support at least 600K concurrent sessions with application visibility turned/L7/App-id on 3) Firewall should support at least 25K connections per second with application visibility turned/L7/App-id on 4) Firewall should support at least 1024 VLANs</p>	<p>1) Should support 10 Gbps of NGFW (FW, AVC and IPS) real-world / production/Enterprise MIX performance 2) Firewall should support at least 7 M concurrent sessions with application visibility turned/L7/App-id on 3) Firewall should support at least 500K connections per second with application visibility turned/L7/App-id on 4) Firewall should support at least 1024 VLANs</p>	As per RFP

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51				NG Firewall Features 1. Firewall should support creating access-rules with IPv4 & IPv6 objects, user/groups, application, geolocation, URL, zones, vlan, etc 2. Firewall should support manual NAT and Auto-NAT, static Nat, dynamic Nat, dynamic pat 3. Firewall should support Nat66 (IPv6-to-IPv6), Nat 64 (IPv6-to-IPv4) & Nat46 (IPv4-to-IPv6) functionality 4. Should support Static, RIP, OSPF, OSPFv3 and BGP, BGPv6. 5. Should support Multicast protocols like IGMP, PIM, etc 6. Should support more than 3000 (excluding custom application signatures) distinct application signature as application detection mechanism to optimize security effectiveness and should be able to create 40 or more application categories for operational efficiency 7. Should be capable of automatically providing the appropriate inspections and protections for traffic sent over non-standard communications ports. 8. Should be able to link Active Directory and/or LDAP usernames to IP addresses related to suspected security events. 9. Should be capable of detecting and blocking IPv6 attacks. 10. Should support more than 25,000 (excluding custom signatures) IPS signatures or more 11. The solution must provide IP reputation feed that comprised of several regularly updated collections of poor reputation of IP addresses determined by the proposed security vendor 12. Solution must support IP reputation intelligence feeds from third party and custom lists of IP addresses including a global blacklist 13. Should support DNS threat intelligence feeds to protect against threats 14. The Appliance OEM must have its own threat intelligence analysis center and should use the global footprint of security deployments for more comprehensive network protection. 15. The detection engine should support capability of detecting and preventing a wide variety of threats (e.g., network probes/reconnaissance, VoIP attacks, buffer overflows, P2P attacks, etc.). 16. Should be able to identify attacks based on Geo- location and define policy to block on the basis of Geo- location 17. The proposed solution should support Active/Passive HA capability from day 1 18. The detection engine should support the capability of detecting variants of known threats, as well as new threats 19. Should support Open based Application ID for access to community resources and ability to easily customize security to address new and specific threats and applications quickly	1. Firewall should support creating access-rules with IPv4 & IPv6 objects, user/groups, application, geolocation, URL, zones, vlan, etc 2. Firewall should support manual NAT and Auto-NAT, static Nat, dynamic Nat, dynamic pat 3. Firewall should support Nat66 (IPv6-to-IPv6), Nat 64 (IPv6-to-IPv4) & Nat46 (IPv4-to-IPv6) functionality 4. Should support Static, RIP, OSPF, OSPFv3 and BGP, BGPv6. 5. Should support Multicast protocols like IGMP , PIM, etc 6. Should support more than 3000 (excluding custom application signatures) distinct application signature as application detection mechanism to optimize security effectiveness and should be able to create 40 or more application categories for operational efficiency 7. Should be capable of automatically providing the appropriate inspections and protections for traffic sent over non-standard communications ports. 8. Should be able to link Active Directory and/or LDAP usernames to IP addresses related to suspected security events. 9. Should be capable of detecting and blocking IPv6 attacks. 10. Should support more than 11,000 (excluding custom signatures) IPS signatures or more 11. Solution must support IP reputation intelligence feeds from same or third party and custom lists of IP addresses including a global blacklist 12. Solution must support IP reputation intelligence feeds from third party and custom lists of IP addresses including a global blacklist 13. Should support DNS threat intelligence feeds to protect against threats 14. The Appliance OEM must have its own threat intelligence analysis center and should use the global footprint of security deployments for more comprehensive network protection. 15. The detection engine should support capability of detecting and preventing a wide variety of threats (e.g., network probes/reconnaissance, VoIP attacks, buffer overflows, P2P attacks, etc.). 16. Should be able to identify attacks based on Geo- location and define policy to block on the basis of Geo- location 17. The proposed solution should support Active/Passive HA capability from day 1 18. The detection engine should support the capability of detecting variants of known threats, as well as new threats 19. Should support Open based Application ID for access to community resources and ability to easily customize security to address new and specific threats and applications quickly	As per RFP
				URL Filtering Features 1) Should support URL threat intelligence feeds to protect against threats 2) Should support Reputation- and category-based URL filtering offering comprehensive alerting and control over suspect web traffic and enforces policies on more than 280 million of URLs in more than 80 categories.	1) Should support URL threat intelligence feeds to protect against threats 2) Should support Reputation- and category-based URL filtering offering comprehensive alerting and control over suspect web traffic and enforces policies on more than 200 million of URLs in more than 75 categories.	As per RFP
				Anti-APT / Malware Features 1) Should support the capability of providing network- based detection of malware by checking the disposition of unknown files using SHA-256 file-hash or signature (update to be provided in 300 seconds) as they transit the network and capability to do dynamic analysis on- premises on purpose built-appliance or on cloud as required 2) Solution shall have capability to analyse and block TCP/UDP protocol to identify attacks and malware communications. At minimum, the following protocols are supported for real-time inspection, blocking and control of download files: HTTP, SMTP, POP3, IMAP, NetBIOS-SSN and FTP 3) Proposed solution shall have required subscription like Threat Intelligence for proper functioning and other license to be added from day one	1) Should support the capability of providing network- based detection of malware by checking the disposition of unknown files using SHA-256 file-hash or signature (update to be provided in 300 seconds) as they transit the network and capability to do dynamic analysis on- premises on purpose built-appliance or on cloud as required 2) Solution shall have capability to analyse and block TCP/UDP protocol to identify attacks and malware communications. At minimum, the following protocols are supported for real-time inspection, blocking and control of download files: HTTP, SMTP, POP3, IMAP, NetBIOS-SSN and FTP 3) Proposed solution shall have required subscription like Threat Intelligence for proper functioning and other license to be added from day one	As per RFP
52	Bidder 8		Brief scope of work	Bid Notice: Brief scope of work	As survey & BoQ freezing, it is in scope of bidder, please specify the implementation period (months) for this activity after AOC.	As per RFP
53	Bidder 8		Brief scope of work	Bid Notice: Brief scope of work	Please increase the implementation period by minimum 6 months, as looking the size & scope of project. To manage the supply chain in this short period of time is difficult to manage.	As per RFP
54	Bidder 8		Project Experience	The Sole / Lead / Consortium member cumulatively shall have executed similar works with a cumulative Total Project Value of Rs. 100 Crores or more during the last 5 years within India only.	We request to allow projects implemented outside India. We can provide the apostille certificates signed and stamped by the govt of the respective country validating the certificate. Generally all govt tenders allow experience of projects implemented outside India provided Apostille certificates are attached. Request MSEDCL also to allow the same.	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
55	Bidder 8		Project Experience	Note: Similar works means successful implementation / Integration / Go Live of SCADA / RT-DAS / Substation Monitoring System / Feeder Monitoring System / IoT-based Remote Monitoring System in Central Govt/State Govt/PSU/Public Sector in India.	PSU and public sector is the same. We request to allow private sector companies also.	As per RFP
56	Bidder 8		Project Experience & TO	The Sole / Lead / Consortium member cumulatively shall have executed similar works with a cumulative Total Project Value of Rs. 100 Crores or more during the last 5 years within India only. The bidder should have a minimum average annual financial turnover of Rs. 190 Crores during the last Three financial years ending 31st March of the previous financial year. In case of a consortium,	Please share the calculations on the basis of which TO and project experience values have been decided. Also request MSEDCL to lower these criteria to enable more deserving companies like us who are also doing the similar jobs in other states to participate in this tender. Also 2021-22 and 2020-2021 were severely impacted businesses due to COVID 19. Hence we request you to either consider the current TO for last year or lower the TO requirement to be fair with bidders.	As per RFP
57	Bidder 8				We had participated in the same scope of the tender that was floated in 2022. We had paid the tender fees but unfortunately MSEDCL cancelled this tender. Hence we request MSEDCL to allow us to download the tender without paying the tender fees again.	As per RFP
58	Bidder 9	90	2.16	The bidder shall not be entitled to receive any agreed payments upon termination of the contract. However, the MSEDCL may consider making a payment for the part satisfactorily performed services on the basis of Quantum of Merit as assessed by it, if such part is of economic utility to the MSEDCL.	Since the bidder would have already incurred significant cost for the project request to consider paying for work already completed before such termination and hence amend the clause to read as under "The bidder shall not be entitled to receive any agreed payments upon termination of the contract. However, the MSEDCL may consider making shall make payment for the part satisfactorily performed services on the basis of Quantum of Merit as assessed by it with mutual consultation with Bidder , if such part is of economic utility to the MSEDCL.	As per RFP. <i>The clause refers to payment for partial or incomplete works or services upon project completion / termination of contract.</i>
59	Bidder 9	111	GCC E IV	The Bidder assumes responsibility for and shall indemnify and save harmless the EMPLOYER, from all liability, claims, costs, expenses, taxes and assessments including penalties, punitive damages, attorney's fees and court cost which are, or may be required with respect to any breach of the Bidder's obligations under the Contract	Request to limit the liability to direct claims and hence request to amend as under "The Bidder assumes responsibility for and shall indemnify and save harmless the EMPLOYER, from all direct liability, claims, costs, expenses, taxes and assessments including penalties, punitive damages, attorney's fees and court cost which are, or may be required with respect to any breach of the Bidder's obligations under the Contract	As per RFP
60	Bidder 9	111	GCC E V	Subject to additional provision, if any, the Bidder's liability under this contract shall be as provided by the Applicable Law	Request to limit the liability of the bidder to 10 % and hence amend the clause as under "Subject to additional provision, if any, the Bidder's liability under this contract shall be as provided by the Applicable Law In no case shall bidder total aggregate liability exceed 10% of the total contract value	As per RFP
61	Bidder 9	113	GCC 5 B	MSEDCL will not give any payment to the bidder for the equipment supplied and all the equipment supplied will be the property of MSEDCL in the event of termination due to bidder's default.	Request to amend the clause since the bidder would have pay the supplier of the equipments and hence amend the clause to read as under "MSEDCL will not give any payment to the bidder for the equipment supplied and all the equipment supplied will be the property of MSEDCL in the event of termination due to bidder's default.	As per RFP
62	Bidder 9	114	GCC 6	At any time after the placement of this order if the Bidder fails to fulfil the obligations, arising out of this order MSEDCL will have the right to get the work done from any other Bidder for completing the remaining work at Bidder's risk & cost. In addition to above 10 % penalty on unexecuted work will be recovered	Request to delete the penalty clause since MSEDCL already has the right to invoke PBG and get the work through others at risk and cost of Bidder and hence amend the clause to read as under "At any time after the placement of this order if the Bidder fails to fulfil the obligations, arising out of this order MSEDCL will have the right to get the work done from any other Bidder for completing the remaining work at Bidder's risk & cost. In addition to above 10 % penalty on unexecuted work will be recovered	As per RFP
63	Bidder 9	129	SCC Q 2	The cost of arbitration shall be borne by the Implementation partner. The cost shall inter-alia include the fees of the arbitration(s) as per the rates fixed by the arbitrator from time to time.	Request to kindly bear the cost equally among the parties and hence amend the clause to read as under "The cost of arbitration shall be borne equally by the parties implementation partner . The cost shall inter-alia include the fees of the arbitration(s) as per the rates fixed by the arbitrator from time to time.	<i>Please refer corrigendum</i> <i>Arbitration fee should be equally borne by both parties</i>

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
64	Bidder 9	198	NDA clause 6	In addition, Company shall indemnify MSEDCL of the actual and liquidated damages which may be demanded by MSEDCL.	Request to delete the clause since MSEDCL already has right for the specific performance of the NDA	As per RFP
65	Bidder 9	229	SLA Clause D	Service Level Agreements & Targets	Request to limit the penalties to 10 % of the total contract value and hence insert the following line after the clause " <u>In no case shall the total aggregate penalty amount under the SLA exceed 10 % of the respective month's amount payable to bidder</u> "	As per RFP
66	Bidder 9	234	NDA clause 4	In addition, the Company shall indemnify MSEDCL of the actual and liquidated damages which may be demanded by MSEDCL.	Request to delete the clause since MSEDCL already has right for the specific performance of the NDA	As per RFP
67	Bidder10	130	UPERFORMANCE BANK GUARANTEE/SECURITY DEPOSIT	the successful bidder shall furnish to the Employer a Performance Bank Guarantee Bond for proper performance of the Contract as well as satisfactory performance of operational support, Product & Implementation to an amount not less than Five Percent (5%) of the Contract Price in accordance with the Conditions of Contract.	please consider PBG of 3% inline with RDSS	As per RFP
68	Bidder10	12	2.4 (4)Design, engineering, Supply of materials and Installation, testing, commissioning and monitoring at MSEDCL's Field location/offices at substation	Bidder to integrate ABT Meter data installed at additional bay in Substation (by solar developer)	We understand that ABT meter is not in supply scope of bidder. Please confirm	Supply of the ABT meter is not in scope of bidder
69	Bidder10	13	2.5Design, engineering, Supply of materials, Installation, testing and commissioning at Control and command center	Scope of Command and Control Centre	We understand that Space, Electrification, Air conditioning, Furniture or any Civil Work is not in scope of bidder. Bidder needs to only provide IT infrastructure and integration as per tender. Please confirm	Yes.
70	Bidder10	11	2.4 & 2.10 System Architecture	- Communication between DCU and Feeder Status Device is using RS485	We suggest to have TCP based communication for GPS clock sync and near realtime based communication	Please refer corrigendum
71	Bidder10	228	Form # 20 Service Level Agreement Data Availability for s/s along with RMS data	Data Availability for s/s along with RMS data (in case of solarisation of feeders)	Penalty on Data Availability against Solar RMS not supplied and maintained by Bidder shall be removed	Refer revised RFP
72	Bidder10	149	6 (A) I (3)Appendix # 1 Qualification Criteria & Technical Evaluation	Financial The bidder should have a minimum average annual financial turnover of Rs. 190 Crores during the last Three financial years ending 31st March of the previous financial year.	As per RDSS, 3 years minimum Average turn over should be 30% of the estimated cost. Also 3 best years out of last 5 years is allowed. So kindly consider the same.	As per RFP
73	Bidder10	131	V (i)CONTRACT PERIOD	The Zero date of the contract shall commence from the date of issue of LOA by the EMPLOYER. Time period of contract is 36 months which includes maximum 12 months of Implementation of Substation Monitoring System	Kindly consider 18 months timeline after pilot approval instead of data of issue of LOA	As per RFP
74	Bidder10	13	2.5 (B) 2Scope of Command and Control Centre	The Command and Control Centre will aggregate various data feeds from systems & sensors and further process information out of these data feeds to provide interface /dashboards for generating alert and notifications in real time.	We understand that Central software will be deployed on cloud with redundancy and replication having Compute and Storage which will aggregate various data feeds from systems and sensors. Command and control center will be only for visualization of data	As per RFP
75	Bidder10	15	2.5Command and Control Centre Data Integration Layer	Smart meter will be installed at each outgoing feeder. Data will be collected through HES to MDM system at Cloud. The smart meter data should be integrated with the Command and Control Centre. The purpose is to gather consumption data on continuous basis and error free manner.	We understand that Smart Meter and DMS Integration is for realtime parameters monitoring to generate alarms and notifications. Please confirm	As per RFP

Annexure A : Pre-bid query responses for tender of Implementation of Substation Monitoring System (SMS)

Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
76	Bidder10	13	2.5 (B) 2Scope of Command and Control Centre	Setup of Central Control Centre with state-of-the-art visualization and analytics	We understand that CCC - IT Hardware list of Mandatory components is as below please confirm (a)VPS-LED Based Technology - 1 nos (b)Layer-2 Managed Switch - 1 nos (c)Layer-3 Core Switch - 1 nos (d) Router for Control Center -1 nos (e)All in One Printer- 1 nos (f)Next Generation Firewall- 1 nos (g)Network Access Controller (h)Windows Server for Management - 1 nos (i)Work Station for Control Center - 1 nos (j)UPS for Control Center - 1 nos	Please refer corrigendum
77	Bidder10	32	2.1Model Technical Specifications List of Mandatory & Optional Components	PART-A Mandatory Components (a)VPS - LED Based Technology (b)WAN Router (c)Desktop for LDMS (d)UPS for LDMS (e)Net Meter for Power Transformer (f)Layer-2 Managed Switch (g)SCADA Gateway Router (h)Layer-3 Core Switch (i) Router for Control Center (j)All In One Printer (k)Next Generation Firewall (l)Network Access Controller (m) Windows Server for Management System (n) Time Sync and Frequency System (o) Work Station for Control Center (p) UPS for Control Center (q) DCU (r) Net Meter PART-B Optional Components (a) MFT/MFM (b) Transformer Tap Position (c) RTU - Communication between DCU and Feeder Status Device is using RS485	Please provide detail list and bifurcation of Control Center and Substation Level Mandatory and optional Components required for BoM Estimation	Please refer corrigendum
78	Bidder10	75	2.11Cloud Service Provider		We request to provide details related performance criteria to estimate cloud platform of computational, storage, bandwidth, redundancy and replication requirements Please provide further clarity on number of parameters, concurrent users and storage duration	Please refer corrigendum
79	Bidder10		2.4 & 2.10DCU and 4 G Router and SCADA Gateway	As per tender specifications, 4G cellular connectivity is asked in DCU and 4G router both devices	As 4G/5G connectivity is asked in DCU, 4G WAN Router and SCADA Gateway, It is duplication of components. We request you to keep it optional. Bidder may select DCU or 4G Router or SCADA Gateway as per his architecture	Please refer corrigendum
80	Bidder10		Scope of work	- Feeder Status Device details are not mentioned in tender	In architecture diagram Feeder Status block is shown but nothing is mentioned in technical specifications regarding Data Acquisition System in Component List. Please clarify number of DI, DO, AI required per Breaker/Feeder as well as communication connectivity	As per RFP Bidder to provide appropriate solution to fulfill the scope of work
81	Bidder10	62	2.4 & 2.10 (q)DCU Specifications	Modem Specifications are mentioned	As per Tender specifications, DCU specifications are more of Modem specifications where as DCU needs to capture data from multiple substation devices using multiple communication connectivity and protocol. So please provide more clarity on DCU Specification	As per RFP Bidder to provide appropriate solution to fulfill the scope of work

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
82	Bidder10	138	Penalty & Payment based on availability of data in S/S Clause 2 (b) (ii), (iii), (vi)	Penalty and Payment deduction	As per current tender clause payment deduction is against equipment where as price is discovered for entire substation We suggest to have 1. Per Equipment price discovery where equipments are 33 kV Line, 33 kV Transformers, 11 kV Incomers, 11 kV Outgoing Feeders, 11 kV Station Transformer, 11 kV Capacitor banks where electrical parameters and breaker status to be monitored 2. Separate discovery for Oil Temperature, Winding temperature, OLTC 3. Separate discovery for SCADA & Cloud IT Infrastructure required to integration Solar RMS Integration per plant	Please refer Corrigendum
83	Bidder10	173	Annexure # 3MNRE Guidelines	Solar Plant RMS Data Integration	Kindly confirm: 1) Solar plant RMS data needs to be synched with National PM-Kusum Portal 2) Solar plant RMS data needs to be accessed from local LDMS of respective SS.	Please refer Corrigendum
84	Bidder11	12	2.4. Design, engineering, Supply of materials and Installation, testing, commissioning and monitoring at MSEDCL's Field location/offices at substation	Bidder to integrate ABT Meter data installed at additional bay in Substation (by solar developer)	Please confirm whether ABT & Net meter supply is in the scope of this tender or not.	<i>ABT Meter will be provided and installed by Solar Developer and Net Meter supply and installation is in Bidder's scope.</i>
85	Bidder11	19	2.6. Technical and Functional Specifications	All data should be refreshed within 10 seconds or any other configurable interval as decided by MSEDCL and Log shall be provided by the bidder to measure the same with time stamp on demand.	It is requested that data refresh shall be at 5 minutes interval, as per the data storage policy defined in the tender. Please confirm.	Real time refresh time is 10 sec and data storage time is 5 min for measurements
86	Bidder11	23	II. Technical Specifications of CCC Components	II. Technical Specifications of CCC Components	We understand that for CCC, provision of suitable space, furniture, interiors, air-conditioning will be provided by MSEDCL. Please confirm.	Yes, it will be provided by MSEDCL
87	Bidder11	26	II. Technical Specifications of CCC Components	System should have a provision of a decision support system	Kindly clarify the requirements in details to design and propose best-in-class solution	Bidder has to propose the decision support system based on substation data available and it will be modified/approved by MSEDCL
88	Bidder11	29	2.8. Complaints and ticket management system:	Complaints and ticket management system: Implementing Agency Engineer	We understand that agency engineer to handle the complaints and tickets will be provided by MSEDCL and not in the scope of the bidder.	As per RFP
89	Bidder11	68	a) Multi-Function Meter (MFM)	Multi-Function Meter (MFM)	It is requested that the MFM specifications as per PFC's Standard Bidding Document published for the Revamped Distribution Sector Scheme (RDSS) may be followed.	As per RFP
90	Bidder11	84	2.12. Reports and Dashboard	Data-points - (Feeder incomer, Transformer LV, Solar feeder, outgoing feeders and outgoing feeders)	Analog parameters shall be limited to as provided by MFM/Net meter only.	As per RFP
91	Bidder11	86	2.12. Reports and Dashboard	Integration of HES/DAS/ MDM with MSEDCL systems. Bidder has to provide DAS/ HES/ MDM and integrate the same with MSEDCL systems (currently deployed on AWS cloud) using Web Services/ APIs.	Please confirm whether the supply of HES/MDM in the scope of this tender? Or only integration with existing HES/MDM is to be considered.	As per RFP
92	Bidder11	86	2.12. Reports and Dashboard	For Monitoring of capacitor bank in sub-station following parameters are to be monitored: i. Current, Voltage, Power Factor, Under Voltage indication, Over Voltage indication, Neutral current measurement (Healthiness of Neutral Displacement Relay) ii. Indication for taking bank in circuit depending on load condition. iii. Measurement of instantaneous values of MW, MVAR, KV and Connected capacity of capacitor Bank.	We understand that the contacts/signals are available in the capacitor bank panels and no separate device is required to be installed.	As per RFP
93	Bidder11	86	2.12. Reports and Dashboard	Status of substation DC auxiliary supply (including monitoring of voltage, current, power and energy)	We understand that this is limited to the DC Power Supply being supplied under this tender, and not for existing DC supply.	Status of substation DC auxiliary supply is for both (scope under this tender, and existing DC supply.)
94	Bidder11	86	2.12. Reports and Dashboard	Implement civil and electrical work required for all the supplied equipment including separate earthing.	We understand that only minor civil works are in our scope. Digging, foundations, trenches, etc. are not included.	As per RFP

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95	Bidder11	88	2.15. Operational Support and Maintenance of the Solution	It is bidder's responsibility to replace OTI / WTI existing sensors / device if required including all wiring required for monitoring / controlling of the above parameters to meet the scope of work.	We understand that this is limited to the OTI/WTI sensors and not for other sensors/devices.	As per RFP
96	Bidder11	149	A. Qualification Criteria for bidder 3. Financial Strength : Annual Turnover	The bidder should have a minimum average annual financial turnover of Rs. 190 Crores during the last Three financial years ending 31st March of the previous financial year. In case of a consortium, The Lead Consortium Member/ Lead Bidder should have a minimum average annual financial turnover of Rs. 97 Crs during the last Three financial years. While the other Consortium Member(s) individually shall meet not less than Rs.38 Crs of the minimum financial requirement criteria.	We request authority to amend the clause as the given criteria does not sums upto 190 Crore average Turnover of last 3 Financial Year (20-21,21-22 and 22-23) The bidder should have a minimum average annual financial turnover of Rs. 190 Crores during the last Three financial years ending 31st March of the previous financial year. In case of a consortium, The Lead Consortium Member/ Lead Bidder should have a minimum average annual financial turnover of Rs. 97 Crs during the last Three financial years. While the other Consortium Member(s) individually shall meet not less than Rs. 38 22 Crs of the minimum financial requirement criteria.	As per RFP
97	Bidder11	149	Appendix # 1 Qualification Criteria & Technical Evaluation	Similar works means successful implementation / Integration / Go-Live of SCADA / RT-DAS / Substation Monitoring System / Feeder Monitoring System / IoT-based Remote Monitoring System in Central Govt/State Govt/PSU/Public Sector in India.	Work Order /Purchase Orders will be considered for evaluation only if it is received directly from Power Utility/Distribution authority of Central Govt./State Govt./PSU/Public sectors in India for SCADA / RT-DAS / Substation Monitoring System. No subcontracting orders will be considered.	As per RFP
98	Bidder11	167	Appendix# 10: Mandatory Technical Requirement:	In case of disaster cloud services should provide RPO <=15 Minutes and RTO<= 2 Hours. Bidder shall develop appropriate policy, checklists for failover and fallback to DR site.	As per the clause on page 80, RPO is mentioned as 2 hours, and RTO as 4 hours. Please clarify what is to be followed.	Refer revised RFP
99	Bidder11	173	Annexure # 3 MNRE Guidelines	Annexure # 3 MNRE Guidelines	We understand that this annexure is provided for reference only, and that the system/facilities mentioned herein are to be provided by the respective solar developers.	As per RFP. MNRE Guidelines are to be followed by bidder for RMS integration at solar plant commissioned by solar developers.
100	Bidder11	30	B. Modes of operation	iv. Auto load restoration	we recommend not to enable restoration command from control center	As per RFP. Refer Section 2 Clause 2.7 Point No. 5
101	Bidder11	38, 67	2.10. Model Technical specifications	e) Net Meter for power transformer, r) Net Meter	where we have to install this at 33/11 Kv 5 MVA transformer at substation or at solar plant ??Also please inform where to install which meter	As per RFP, Net meter is to be installed at HV and LV side of each power transformer.
102	Bidder11	60	2.10. Model Technical specifications	n) Time Synchronization and Frequency system	do he have to install this t every substation?	Please refer corrigendum Central Control Centre system should be sync with GPS based time system and all substation equipement should be sync with the CCC time.
103	Bidder11	62	2.10. Model Technical specifications	DCU / Modem Specification:	do we have install this at each net meter? And also to provide sim card for the same?	Bidder has to provide suitable solution and ensure any one of the communication device (DCU /WAN Router / Gateway / Modem) at each substation for data availability at central server.
104	Bidder11	10	2.1. Brief Scope of Work	Survey and freezing of quantity: Bidder to survey all substations to finalise the bill of material required for project. Further, bidder should also provide the detail survey regarding WTI and OTI whether motorized or non-motorized	Please clarify the meaning of motorized and non-motorized in the context of WTI and OTI.	Refer Revised RFP
105	Bidder11	14	2.5. Design, engineering, Supply of materials, Installation, testing and commissioning at Control and command center	Bidder should also consider the cost required for network integration, data processing and data transfer charges (Both IN and OUT) from existing MSEDCL account for entire contract period.	We understand that data processing, data transfer and network integration cost pertaining to current scope of work only and not to be considered for the existing MSEDCL applications.	Yes.
106	Bidder11	15	C) Integration with RMS at Solar Plant commissioned under MSKVY 2.0	Integration with RMS at Solar Plant commissioned under MSKVY 2.0 The Solar generation data at solar plants i.e. inverter data and ABT meter at plant will be available through RMS installed by solar developers under MSKVY 2.0. The same shall be integrated with Command and Control Centre as per MNRE Guidelines (Annexure- 3). The RMS data shall also be made available in LDMS at Substation Level.	As per the RMS architecture under MNRE, data of Solar Plant is available in the cloud. Therefore, integration with this service at command and control centre is possible. However, at LDMS level there is no such connectivity, and hence only net meter data of solar feeders can be made available at the LDMS level.	Please refer Corrigendum

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107	Bidder11	33	b) WAN router	WAN router	We understand that the WAN router is not mandatory and bidder is allowed to offer as per their own solution design & technology for the last-mile connectivity.	Refer revised RFP. WAN Router is optional. However bidder has to provide any one of the communication equipment (DCU/WAN Router / Gateway / Modem) at substation level.
108	Bidder11	35	DC Power Supply	DC Power Supply	1. We understand that the DC Power Supply has to cater only to the substation devices offered by the bidder under current scope of work of tender. Please confirm. 2. Please confirm the backup duration.	1) Bidder to evaluate equipment requirement to meet the scope of work as per their proposed solution. 2) Please refer corrigendum, backup duration should be at least minimum 4 hours
109	Bidder11	41	g) SCADA Gateway Router	SCADA Gateway Router	do we have to install it at all substation?	As per RFP, bidder has to provide its own solution and if they are using any of the equipment mentioned in the RFP, the equipments should meet bare minimum specification given in the RFP
110	Bidder11	62	q) Data Concentrator Unit (DCU)	Data Concentrator Unit (DCU)	We understand that the DCU is not mandatory and bidder can offer his own solution (such as RTU with DCU functions) for the substation data transfer to control centre and LMS.	Refer revised RFP. DCU is optional. However bidder has to provide any one of the communication equipment (DCU/WAN Router / Gateway / Modem) at substation level.
111	Bidder11	32, 33, 41, 45, 48, 53	2.10. Model Technical specifications: Part A: Mandatory	b) WAN router, g) SCADA Gateway Router, h) Layer 3 Core Switch, i) Router for control Centre, k) Next Generation Firewall	please specify we to install this the equipments? All they all have similar purpose hence we recommend not to have additional redundant hardware which may not be used to its full potential & is increasing the cost of tender.	Refer revised RFP
112	Bidder11	15, 84, 85, 177, 172	C) Integration with RMS at Solar Plant commissioned under MSKVY 2.0, 2.12. Reports and Dashboard	solar plants i.e. inverter data and ABT meter, Data Points for the system, Alarm Configuration & Processing (Inverter)	data points for solar dashboard are not provided with clarity as on page 15 data for solar Inverter are to be provided but on page 84 they are not listed in data point table, but in Annexure # 3 MNRE Guidelines (page 177) is said to show solar Inverter status & analogue values. To fetch solar inverter data, we must install DCU/Gateway at solar plant as its data will not be available at MSEDCL substation. Additionally, data availability of solar data may be doubtful as not all solar inverters are communicable, or their communication port may be used by PV SCADA system at the solar plant. We request MSEDCL to provide clarify on scope of work for SOLAR part as in what to do, where to install the equipment, How to display the solar data & where to integrate it?	As per RFP Please refer Section 2 Clause no. 2.5 C Integration with RMS at Solar Plant.
113	Bidder12		Qualification Criteria	CMMI Certification	We find the clause as OEM-specific and may not be applicable or readily available to bidders, so we propose modifying the qualification requirements by removing the clause and allowing the selection of the most qualified contractor for the project	As per RFP
114	Bidder12		Payment Terms		We find the current payment terms are not flexible enough to accommodate a positive Cashflow and other financial requirements of the projects, so we suggest the following Payment Terms:	Please refer corrigendum
115	Bidder12		Project Experience	Experience in Implementation: 1) The Sole / Lead / Consortium member successfully completed similar works in the power sector in India for at least 200 substations or 1000 feeders cumulatively during the last 5 years at the time of bid submission date. and 2) The Sole / Lead / Consortium member cumulatively shall have executed similar works with a cumulative Total Project Value of Rs. 100 Crores or more during the last 5 years within India only. Note: Similar works means successful implementation / Integration / Go-Live of SCADA / RT-DAS / Substation Monitoring System / Feeder Monitoring System / IoT-based Remote Monitoring System in Central Govt/State Govt/PSU/Public Sector in India.	Experience in Implementation: 1) The Sole / Lead / Consortium member successfully completed similar works in the power sector in India for at least 200 substations or 1000 feeders cumulatively during the last 10 years at the time of bid submission date. and 2) The Sole / Lead / Consortium member cumulatively shall have executed similar works with a cumulative Total Project Value of Rs. 100 Crores or more during the last 10 years within India only. Note: Similar works means successful implementation / Integration / Go-Live of SCADA / RT-DAS / Substation Monitoring System / Feeder Monitoring System / IoT-based Remote Monitoring System in Central Govt/State Govt/PSU/Public Sector in India.	As per RFP.

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
116	Bidder13	130 of 284	U. PERFORMANCE BANK GUARANTEE/SECURITY DEPOSIT	Within 14 (fourteen) days of receipt of the Letter of Award from the Employer, the successful bidder shall furnish to the Employer a Performance Bank Guarantee Bond for proper performance of the Contract as well as satisfactory performance of operational support, Product & Implementation to an amount not less than Five Percent (5%) of the Contract Price in accordance with the Conditions of Contract.	We request you to change this clause as amended below: Within 14 (fourteen) days of receipt of the Letter of Award from the Employer, the successful bidder shall furnish to the Employer a Performance Bank Guarantee Bond for proper performance of the Contract as well as satisfactory performance of operational support, Product & Implementation to an amount not less than Five Percent (5%) Three Percent (3%) of the Contract Price in accordance with the Conditions of Contract.	As per RFP
117	Bidder13	263 of 284	Policy & Procedure for Debarring /Blacklisting of Agency from Business Dealings with MSEDCL	MSEDCL reserves its right to initiate the actions such as penal actions Viz, Warning, fine, banning, deregistration & debarring / blacklisting on any Agency from business dealings with it, if such Agency is found to have committed deception, fraud or misconduct or any other act which is not in the interest of MSEDCL in the execution of contracts awarded or any of its action(s) fall into any such categories as laid down in this policy.	We would like to highlight that debarment or banning of an organization has a larger impact for business since bigger companies like L&T Technology Services operates in multiple domain, business areas and multiple geographies. Considering the same we request to remove this clause and suggest to amend the clause as below: " MSEDCL reserves its right to initiate the actions such as penal actions Viz, Warning, fine, banning, deregistration & debarring / blacklisting on any Agency from business dealings with it, if such Agency is found to have committed deception, fraud or misconduct or any other act which is not in the interest of MSEDCL in the execution of contracts awarded or any of its action(s) fall into any such categories as laid down in this policy."	As per RFP
118	Bidder13	271 of 284	Policy & Procedure for Debarring /Blacklisting of Agency from Business Dealings with MSEDCL	10. GROUNDS FOR DEBARRING / BLACKLISTING d) The agency is repeatedly found to be non performing in execution of 1 (one) or more terminated or partial terminated contracts and/ or in rectification of critical/major defects as specified in annexure -A, pointed out by MSEDCL or any person authorized by MSEDCL, in last 5 (five) years.	We would like to highlight that debarment or banning of an organization has a larger impact for business since bigger companies like L&T Technology Services operates in multiple domain, business areas and multiple geographies. Considering the same we request to delete this clause and keep the provision of termination of the contract.	As per RFP
119	Bidder13	11 of 284	2.3	2. Bidder has to install necessary sensor/ IED/ equipment/ devices in the substation to capture the real time data. In case of poor network signal of mobile network service provider, the bidder shall install signal booster equipment subject to provisions under relevant law/ Act, if required, at the sub-station	Q1:What is the existing communication network between sub-stations to control center? Q2:Does the bidder need to propose communication infrastructure between sub-station to proposed control center?	1) No existing communication network. 2) Yes. As per RFP
120	Bidder13	14 of 284	2.5	16) The various information that may be accessed from the system but not limited to are as below: i. Visual alerts generated by other sub-systems that is part of the overall distribution operations systems e.g. SCADA, AMI etc. ii. Information about AMI system performance	Q1:Please provide the existing AMI implementation details, also need details on the alerts to be shown?	Will be shared with successful bidder
121	Bidder13	15 of 284	2.5	A) Integration with SCADA/DMS MSEDCL has planned upgradation of existing SCADA/DMS in 7 towns. Also, new SCADA implementation is proposed for 14 towns under RDSS scheme. Each town will have its own control center. Command and Control Centre need to communicate with SCADA/DMS system using IEC61870/OPC protocol in real-time mode. This data will be used for Real-time visualization of the power scenario along with Substation Monitoring System. Also, the Outage Management System will integrate with SCADA/OMS to derive necessary spots of outages and trigger relevant SOPs.	Q1: It is mentioned that the CMS should be integrated with SCADA/DMS, Please tell us whether this is to integrate the existing substation SCADA with CMS application at control center?ADMS will be on top of existing SCADA? Q2: Our understanding is that bidder need to implement unified SCADA in control center also. Kindly confirm.	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
122	Bidder13	15 of 284	2.5	B) Integration with HES/ MDM of Smart meters Smart meter will be installed at each outgoing feeder. Data will be collected through HES to MDM system at Cloud. The smart meter data should be integrated with the Command and Control Centre. The purpose is to gather consumption data on continuous basis and error free manner. The system captures event and alarm data pushes the same to relevant HES.	Q1: As per scope, substation DCU will perform the function of reading and transfer the feeder meters data to DAS application at control center. Whether the DCU will also be integrated to MSEDCL HES & MDM. Kindly confirm. Q2:Our suggestion is to include the feeder meter integration along with this scope to avoid the duplicacy of the system.	<i>Bidder has to propose appropriate solution as per scope of works. However, the equipment supplied for the proposed solution should comply the minimum technical specifications.</i>
123	Bidder13	15 of 284	2.5	C) Integration with RMS at Solar Plant commissioned under MSKVY 2.0 The Solar generation data at solar plants i.e. inverter data and ABT meter at plant will be available through RMS installed by solar developers under MSKVY 2.0. The same shall be integrated with Command and Control Centre as per MNRE Guidelines (Annexure- 3). The RMS data shall also be made available in LDMS at Substation Level.	Q1: Our understanding is that the ABT meter will capture the solar generation data at local substations. Will Bidder scope also includes ABT meter supply and installation. Kindly confirm. Q2: Please share the existing Solar generation monitoring system details.	1) ABT meter supply at solar feeder is not in the bidder's scope. 2) As per RFP.
124	Bidder13	16 of 284	2.5	Area ----- Representative Dashboard ----- - AMI ----- New, Replacement, Faulty, Calibration, Communication, Coverage, Remote Connection	Q2:Whether MSEDCL looking for SMOC or NOMC services from bidder. Kindly confirm.	Yes. As per RFP
125	Bidder13	19 of 284	2.6	The substation equipment (feeder, transformer, breaker, capacitor bank, relay, battery etc.) shall be connected to the Data Collection and transmission infrastructure / device having store and forward facility through adequate cabling (vendor scope) through suitable last mile connectivity. The substation Data Collection and transmission infrastructure / device will acquire data and will transmit the same to Data acquisition system (DAS) as well as Local Monitoring Station (LMS).	Q1:Need more clarity on last mile connectivity (sub-station to control center)	<i>Bidder has to propose connectivity for the proposed solution as per scope of works in RFP.</i>
126	Bidder13	12 of 284	2.4	Sample single line diagram (SLD) of s/s:	Q1: Supply, installation and integration of Smart meters at feeders and their communication with HES is also in the RFP scope?	No. <i>Bidder has to install MFM for each feeder.</i>
127	Bidder13	12 of 284	2.4	Sample single line diagram (SLD) of s/s:	Q2: Whether the scope also includes the integration of SCADA from substation to centralized monitoring system?	Yes. As per RFP
128	Bidder13	1 of 284	Tender Details	Development and roll-out of automated Demand Management System (ADMS): Data Acquisition, control and data processing.D28	Q1:Description should be changed to 'Supply, Installation & commissioning of ADMS'	As per RFP
129	Bidder13	27 of 284	2.7	Automated Demand Management	Q1: Please elaborate the requirements and business drivers	As per RFP
130	Bidder13	178 of 284	4.1.2	Meter Data Acquisition (MDAS) & Meter Data Management (MDM):'Device integration (SCADA) Platform should have following MDAS & MDM functionalities'	Q1:MDAS (HES) & MDM are different applications together, they should not be the part of SCADA application other than integration.	As per RFP
131	Bidder13	13 of 284	2.5	Design, engineering, Supply of materials, Installation, testing and commissioning at Control and command center- GIS	Is the GIS system used to maintain electric distribution assets? If yes, which GIS system are you using?	As per RFP and Details will be shared with successful Bidder
132	Bidder13	13 of 284	2.5	A) Integration with SCADA/DMS:Also, the Outage Management System will integrate with SCADA/OMS to derive necessary spots of outages and trigger relevant SOPs.	Q1:What are the high-level business requirements for integration points between OMS and centralized monitoring system?	As per RFP
133	Bidder13	19 of 284	2.6	The data shall be stored and made available for various analysis, generation of exception reports, export to third party systems and energy audit. Devices provided by bidder at sub-station should have data storage provision. This will be useful in the event of communication failure with cloud.	Q1:Is local storage referring to the Gateway device/DCU or the local sub-station computer?	As per RFP
134	Bidder13	13 of 284	2.5	2) The Command and Control Centre will aggregate various data feeds from systems & sensors and further process information out of these data feeds to provide interface /dashboards for generating alert and notifications in real time	Q1:Data flow will be transactional/batch process type?	As per RFP
135	Bidder13	13 of 284	2.5	2) The Command and Control Centre will aggregate various data feeds from systems & sensors and further process information out of these data feeds to provide interface /dashboards for generating alert and notifications in real time	Q2:What type of message format will be used? (e.g.: JSON, XML, CSV)	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
136	Bidder13	13 of 284	2.5	2) The Command and Control Centre will aggregate various data feeds from systems & sensors and further process information out of these data feeds to provide interface /dashboards for generating alert and notifications in real time	Q3:What are the different types of protocols are we using in the process	As per RFP
137	Bidder13	14 of 284	2.5	16) iii) Access information from Substation Monitoring System a) The software shall have drill down dashboards for 1) Real time status of the feeders and other equipment in substations 2) Details of the energy flow statistics including RE generation. b) Single line diagram (SLD) view of substation, real time display of all parameters, SMS and email alerts, CB and relay status etc. c) Software should have Reporting, Data and Analytics Capability 1) Feeder load curve 2) Voltage profile, 3) Seasonal demand curve, 4) 5 mins interval data reports for s/s equipment etc	Q1: Do we have any streaming data flows?	As per RFP
138	Bidder13	14 of 284	2.5	16) iii) Access information from Substation Monitoring System a) The software shall have drill down dashboards for 1) Real time status of the feeders and other equipment in substations 2) Details of the energy flow statistics including RE generation. b) Single line diagram (SLD) view of substation, real time display of all parameters, SMS and email alerts, CB and relay status etc. c) Software should have Reporting, Data and Analytics Capability 1) Feeder load curve 2) Voltage profile, 3) Seasonal demand curve, 4) 5 mins interval data reports for s/s equipment etc	Q2:Any approximate data transaction frequency& load available (e.g.; 10GB per day)	As per RFP
139	Bidder13	14 of 284	2.5	16) iii) Access information from Substation Monitoring System a) The software shall have drill down dashboards for 1) Real time status of the feeders and other equipment in substations 2) Details of the energy flow statistics including RE generation. b) Single line diagram (SLD) view of substation, real time display of all parameters, SMS and email alerts, CB and relay status etc. c) Software should have Reporting, Data and Analytics Capability 1) Feeder load curve 2) Voltage profile, 3) Seasonal demand curve, 4) 5 mins interval data reports for s/s equipment etc	Q3:Any suggestion on handling exception in integration process? (Like reprocessing interval, email notification/alert)	As per RFP
140	Bidder13	18 of 284	2.5	iii. Technical requirement of Command-and-Control Centre Authorization & Authentication: - System shall support LDAP (Microsoft AD) to be used as an data store for user management, authentication & group management.	Q1:Any specific suggestion on software product to be used (Like WSO2 for integration process, Microsoft AD for authentication & authorization activity, Postgres for database... etc)	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSDCL Response
141	Bidder13	10 of 284	2.1	MSDCL envisages for implementation of substation monitoring system across 3563 substations including solar generation monitoring at approximately 2733 solarised feeders under MSKVY 2.0 scheme, over the span of 1 year of implementation period and 2 years of comprehensive support services to meet SLA timeline and availability of data.	Q1:MSDCL has a total of 4163 substations, although only 3563 are included in the redevelopment plan. Is it possible that it will be incorporated in the project? Please confirm.	As per RFP
142	Bidder13	10 of 284	2.2	Substations covered under existing 7 nos. of SCADA towns (Amravati, Gr. Mumbai, Kolhapur, Nasik, Pune, Sangli & Solapur) – where upgradation of SCADA is proposed under RDSS (Revamped Distribution Sector Scheme) scheme as Group U town	Q1:What is the progress of the 7 SCADA towns, and will it be completed during our project period (1+2 years)?	As per RFP.
143	Bidder13	15 of 284	2.5	B) Integration with HES/ MDM of Smart meters	Q1:Regarding Smart Meter Integration with HES/MDM. What is the current state of the project? Is it done within the time frame of our project (1+2 years)?	It is under implementation.
144	Bidder13	15 of 284	2.5	D) Integration with GIS and Network Analysis System	Q1:About Integration with GIS and Network Analysis System. When the GIS and network study was conducted, we assumed that the GIS network would be updated at regular intervals.	Yes
145	Bidder13	29 of 284	2.8	Complaints and ticket management system:	Q1:How does the MSDCL currently manage complaints?	<i>Bidder has to provide ticket management system as mentioned in the scope of works to resolve equipment faults and complaints for solution implemented.</i>
146	Bidder13	29 of 284	2.8	Complaints and ticket management system:	Q2: As we understand it, the complaints ticket application is for the internal MSDCL staff (including substation engineers); please define its usage.	As per RFP.
147	Bidder13	10 of 284	2.1	1) Survey and freezing of quantity: Bidder to survey all substations to finalise the bill of material required for project. Further, bidder should also provide the detail survey regarding WTI and OTI whether motorized or non-motorize	We request you to provide the details of existing equipments, infrastructure available at each sub-stations since same would be required for cloud sizing estimation and preparation of commercial proposal.	<i>Bidder has to prepare and finalise the bill of material based on actual survey of substations. The list of substations along with relevant details is given in RFP.</i>
148	Bidder13	16 of 284	2.5	ii. Command and Control Centre Dashboard Layer	Q1:Whether the integration to be done with existing AMI systems for smart meters at consumer level. Kindly confirm.	<i>Integration to be done with HES/ MDM of AMI system for system meters (smart meters) at feeder level.</i>
149	Bidder13	149 of 284	Appendix # 1 A. Qualification Criteria for Bidder	Experience in Implementation: The Sole / Lead / Consortium member successfully completed similar works in the power sector in India for at least 200 substations or 1000 feeders cumulatively during the last 5 years at the time of bid submission date.	We request you to allow bidders to utilize the proposed OEM credentials for meeting this specific experience criteria.	As per RFP
150	Bidder13	151 of 284	Appendix # 1 B. Technical Evaluation	The Sole / Lead / Consortium member successfully completed SCADA system/ Substation monitoring system / Feeder Monitoring System / RT-DAS Project / IoT based Remote Monitoring System in power sector in India for at least 200 substations or 1000 feeders cumulatively during last 5 years at the time of bid submission date. ≥ 200 substations and < 500 substation : 10 Marks OR ≥ 1000 feeders and < 1500 feeders : 10 Marks ≥ 500 substations and < 1000 substation : 20 Marks OR ≥ 1500 feeders and < 3000 feeders : 20 Marks	We request you to allow bidders to utilize the proposed OEM credentials for meeting this specific experience criteria.	As per RFP
151	Bidder13	153 of 284	Appendix # 1 B. Technical Evaluation	Experience of deployment and management of application on MeitY empanelled Cloud for any project of any Central/ State Govt./ PSU/ Public limited in India during last 5 years 1 project = 3 Marks 2 to 5 projects = 5 Marks More than 5 Projects = 10 Marks	We request you to change this clause as amended below: Experience of deployment and management of application on MeitY empanelled Cloud for any project of any Central/ State Govt./ PSU/ Public limited in India during last 5 years 1 project = 3 Marks 2 to 4 projects = 5 Marks More than or equal to 4 Projects = 10 Marks	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
152	Bidder13	134 of 284	AA. Liquidated Damages	Milestone: 1. Furnishing detailed road map including survey report (for freezing substation equipment quantity) - Within 45 days from the date of awarding contract 2. Submission of detailed data sheet of software/hardware - Within 45 days from the date of awarding contract 3. Go-live of cloud based central software and setup of command control center - 4 Months from Date of LOA 4. Commencement of system in entire project area (Go-live of complete system) - 12 months from the date of awarding contract 5. Commencement of comprehensive support service in entire project area post Go Live - For 24 Months post Go Live	We request you to change the milestones as amended below: Milestone: 1. Furnishing detailed road map including survey report (for freezing substation equipment quantity) - Within 45 60 days from the date of awarding contract 2. Submission of detailed data sheet of software/hardware - Within 45-60 days from the date of awarding contract 3. Go-live of cloud based central software and setup of command control center - 6 Months from Date of LOA 4. Commencement of system in entire project area (Go-live of complete system) - 12 15 months from the date of awarding contract 5. Commencement of comprehensive support service in entire project area post Go Live - For 24 Months post Go Live	As per RFP
153	Bidder13	10 of 284	2.1	MSEDCL envisages for implementation of substation monitoring system across 3563 substations including solar generation monitoring at approximately 2733 solarised feeders under MSKVY 2.0 scheme, over the span of 1 year of implementation period and 2 years of comprehensive support services to meet SLA timeline and availability of data.	Q2: Please reconsider the implementation timelines because the scope is so large.	As per RFP
154	Bidder13	11 of 284	2.3	4. Survey to be conducted through the Mobile app either provided by MSEDCL or bidder's to use their in-house technology.	Q1:MSEDCL may provide a survey mobile app. Is the mobile app ready for production?	Yes. Mobile app, if required by bidder, will be shared with successful bidder
155	Bidder13		Appendix # 1 Qualification Criteria & Technical Evaluation	"The Sole / Lead / Consortium member successfully completed similar works in the power sector in India for at least 200 substations or 1000 feeders cumulatively during the last 5 years at the time of bid submission date."	"The Sole / Lead / Consortium member/ proposed OEM successfully completed similar works in the power sector in India for at least 200 substations or 1000 feeders cumulatively during the last 5 years at the time of bid submission date."	No Change as per RFP
156	Bidder13		Appendix # 1 Qualification Criteria & Technical Evaluation		"The Sole / Lead / Consortium member/ proposed OEM successfully completed SCADA system/ Substation monitoring system / Feeder Monitoring System / RT-DAS Project / IoT based Remote Monitoring System in power sector in India for at least 200 substations or 1000 feeders cumulatively during last 5 years at the time of bid submission date. >= 200 substations and < 500 substation: 10 Marks OR >= 1000 feeders and < 1500 feeders: 10 Marks >= 500 substations and < 1000 substation: 20 Marks OR >= 1500 feeders and < 3000 feeders: 20 Marks"	No Change as per RFP
157	Bidder13		III. Penalties and Payment		o Mobilization Advance: 10% of Contract value against submission of Additional Bank guarantee o After successful Survey, Designing, Engineering for the project scope: 5% of contract value. o Supply of hardware and software - 50% of CV on pro-rata basis o Installation and commissioning - 10% of CV on pro-rata basis o After Go-live Declaration of substation - 10% of CV on pro-rata basis against BG o Availability of Data (Price to be distributed for entire contract period after Go-Live) - 15% of CV	Please refer corrigendum:

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
158	Bidder13		Debarred policy		"MSEDCL reserves its right to initiate the actions such as penal actions Viz, Warning, fine, banning, deregistration & debarring / blacklisting on any Agency from business dealings with it, if such Agency is found to have committed deception, fraud or misconduct or any other act which is not in the interest of MSEDCL in the execution of contracts awarded or any of its action(s) fall into any such categories as laid down in this policy.""	As per RFP
159	Bidder13	137 of 284	EE. Billing and Payment Terms	1. Payment Schedule: Mobilization Advance (Optional): Bidder may opt for Mobilizations Advance, (10% of contract value) after successful Survey, Designing, Engineering for the project scope, subject to issuance of additional BG. After Go-live Declaration of substation - 60% of CV Availability of Data (Price to be distributed for entire contract period after Go-Live) - 40% of CV	We request you to change the payment schedule as amended below: Mobilization Advance (Optional): Bidder may opt for interest-bearing Mobilizations Advance, (15% of contract value) after successful Survey, Designing, Engineering for the project scope, subject to issuance of additional BG. Supply of hardware and software - 50% of CV on pro-rata basis Installation and commissioning - 10% of CV on pro-rata basis After Go-live Declaration of substation - 10% of CV Availability of Data (Price to be distributed for entire contract period after Go-Live) - 15% of CV	Please refer corrigendum
160	Bidder14	Section 5, Special Conditions of Contract, Special Condition 4, Point U Pg. 130 of 284	Performance Bank Guarantee / Security Deposit	The performance guarantee shall be denominated solely in Indian Rupees and shall be in the form of an unconditional and irrevocable Bank Guarantee issued by a Nationalized or Scheduled Bank and payable at Mumbai only.	As per "Amendment to General Financial Rules (GFR), 2017 to include insurance surety bonds as security instrument, amended suggested to rule 170 para (i) – the bid security may be accepted in the form of insurance surety bonds, account payee demand draft, banker's cheque or bank guarantee from any of the commercial banks or payment online in an acceptable form, safeguarding the purchaser's interest in all respects." Suggestion: To kindly incorporate payment of performance security in form of insurance surety bond also along with bank guarantee. (Attached Appendix 1)	As per RFP
161	Bidder14	Section 5, Special Conditions of Contract, Special Condition 4, Point EE, I. General Instructions Pg. 136 of 284	Billing and payment terms	Point 8. Payments will be made within 45 working days or as per availability of funds through RTGS only after submission of the bills and relevant documents which are correct in all respects for on account bills to the MSEDCL and after the approval by concerned Superintending Engineer O&M Circle.	Point 8. Payments will be made within 45 working days or as per availability of funds through RTGS only after submission of the bills and relevant documents which are correct in all respects for on account bills to the MSEDCL and after the approval by concerned Superintending Engineer O&M Circle. Suggestion is to consider, any delay beyond 45 days shall be paid along with delayed payment interest as per prevailing SBI MCLR rates for 1 year on compounded basis.	As per RFP
162	Bidder14	Section 5, Special Conditions of Contract, Special Condition 4, Point	Billing and payment terms	MSEDCL at its discretion, provide to the successful bidder an interest-bearing advance payment against an advance payment security furnished by the successful bidder in the form of bank guarantee for 15% of the contract price	MSEDCL at its discretion, provide to the successful bidder an interest free advance payment against an advance payment security furnished by the successful bidder in the form of bank guarantee for 10% of the contract price	As per RFP
163	Bidder14	Section 5, Special Conditions of Contract, Special Condition 4, Point EE, III, 1. Payment Schedule, A.iii Pg. 137 of 284	Billing and payment terms	MSEDCL shall provide an advance payment for 70% of the advance payment security furnished by the successful bidder at the time of contract signing	MSEDCL shall provide advance payment for 100% of the advance payment security furnished by the successful bidder at the time of contract signing	MSEDCL shall provide advance payment after the receipt of the advance payment security furnished by the successful bidder, at the time of contract signing
164	Bidder14	Section 5, Special Conditions of Contract, Special Condition 4, Point EE, III, 2. Penalty, b.iii Pg. 138 of 284	Penalty	i) Bidder must ensure 100% data availability on real time basis for all equipment as per scope of work iv) Time stamp of reading received in the device and time stamp of reading received / available on cloud both are required. SLA will be calculated based on the time stamping of data available on cloud	i) Bidder must ensure 100% data availability on real time basis for all equipment at local LDMS level as per scope of work iv) Time stamp of reading received in the device at LDMS shall be measured. SLA will be calculated based on the time stamping of data available at LDMS	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
165	Bidder14	Section 5, Special Conditions of Contract,	Penalty	Data availability for s/s along with RMS data (in case of solarization of feeders 1. 100% data availability – 100% payment per substation per month 2. More than or equal to 95% but less than 100%	For both the points of RFP clause, it should be ensured that data is available at LDMS and there is no data loss (there is dependency with telcos and none can guarantee 100% or 95% network availability across locations).	As per RFP
166	Bidder14	Section 5, Special Conditions of Contract, Special Condition 4, Point EE, III, 2. Penalty, b.vi.2 Pg. 138 of 284	Penalty	Data availability for s/s as unit: a. If data availability of particular substation for first month falls below 95% considering all equipment – penalty 10% on monthly unit rate for sub-station will be applicable. b. If data availability of same s/s again (i.e., for second time falls below 95% for any month during the year) – penalty of 15% on monthly unit rate for sub-station will be applicable c. If data availability of same s/s again (i.e., for third time) falls below 95% for any month during the year – penalty of 20% on monthly unit rate for substation will be applicable d. If data availability of same s/s again (i.e., fourth time) falls below 9% for any month during the year – process for contract termination will be initiated	Suggestion: For this point of RFP clause, it should be ensured that data is available at LDMS and there is no data loss – even if there is any loss of communication – as and when the communication is restored – the data is made available on cloud (there is dependency with telcos and none can guarantee 100% or 95% network availability across locations). In a scenario if despite of the above there is no data availability at local as well as data is not made available to cloud, then the mentioned penalty clause should be made applicable.	As per RFP
167	Bidder14	Section 5, Special Conditions of Contract, Special Condition 4, Point EE, III, 2. Penalty, c Pg. 140 of 284	Penalty	Penalty for Automated Demand Management System Performance level required for individual feeder for remote load control (ON/ OFF) commands shall be: Control action shall be completed with result displayed on the screen- within 10 seconds (i.e. 2 Sec + Scan time + communication delay time +field device operation time)	Considering the ON shall be disabled and in case of need to ON the feeder, then SMS communication and notification shall be sent to sub-station in charge. There is a dependency of the sub-station in charge to do the needful to ON the feeder and accordingly at LDMS as well as at central level, automatically the status needs to be updated. In a scenario if non – performance is attributable to the bidder (i.e., delay in sending notification and delay in change of status after the feeder is turned ON) only in the scenario if the system performance is not optimal (as per specified timelines) the penalty clauses need to be imposed.	Refer revised RFP
168	Bidder14	Section 5, Special Conditions of Contract, Special Condition 4, Point U Pg. 130 of 284	Performance Bank Guarantee / Security Deposit	The successful bidder shall furnish to the Employer a Performance Bank Guarantee Bond for proper performance of the Contract as well as satisfactory performance of operational support, Product & Implementation to an amount not less than Five Percent (5%) of the Contract Price	The successful bidder shall furnish to the Employer a Performance Bank Guarantee Bond for proper performance of the Contract as well as satisfactory performance of operational support, Product & Implementation to an amount not less than Three Percent (3%) of the Contract Price.	As per RFP
169	Bidder14	Section 2, 2.4: Design, engineering, Supply of materials and Installation, testing, commissioning and monitoring at MSEDCL's Field location/ offices at substation Pg 12 of 284	Scope of work	In the block diagram on Pg. 12 of 284, it is required to integrate SCADA , RMS, HES MDM of smart meters	i. Kindly provide the protocols that need to be adopted to integrate with SCADA, RMS, HES MDM, GIS, Demand Forecasting and other systems mentioned in the scope of work ii. Also, if local LDMS receives command trigger from central ADMS, on which protocol to existing SCADA command should be sent? iii. In locations where SCADA is implemented is there a need to implement LDMS system	I & II) As per RFP, bidder has to provide its own solution. iii) Substations covered under SCADA are excluded from the bidders scope.
170	Bidder14	Section 2, 2.4: Design, engineering, Supply of materials and Installation, testing, commissioning and monitoring at MSEDCL's Field location/ offices at substation Pg 17 of 284	Scope of work	ii. Command and Control Center Dashboard Layer The dashboard to support CBM features, asset based modelling for condition based maintenance and integrate with SAP PM and AM for work order process and maintenance	Request you to kindly reclarify on all the areas which need to be integrated into Command and Control Center.	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
171	Bidder14	Section 2, 2.10: Model Technical Specifications Pg 34 of 284	Scope of work	Table, point 6 Gateway should comply with IEEE 1613 and IEC 61850-3 standards	IEC 8150-3 (only for hardware) is design for high voltage and extra high voltage sub-station. Power communication requires compliant industrial switches at these types of facilities and this is not mandatory for medium voltage substation. Request to relax the point hence. .	As per RFP
172	Bidder14		Manpower required from MSEDCL		There is no mention of availability of MSEDCL Representative for Site Survey. As this will be joint inspection of the Substations, we will require a schedule of the availability of MSEDCL Personnel for the survey. How many MSEDCL personnel man days shall be deployed for joint survey?	All concerned MSEDCL field officers will be informed for allowing site survey by bidders.
173	Bidder14		Shutdown requirement of Substation		Day wise Shutdown plan of the substations is required to plan our manpower and other materials.	To be mutually decided.
174	Bidder14		Shutdown of Substations		No. of Substations shutdown in a particular area is not mentioned. Request you to please specify at a time how many substations shut down can be given.	To be mutually decided.
175	Bidder14		Price Variation		As per procurement guidelines project beyond 6 months, price variation clause should be made mandatory. If the project goes beyond the contract period not attributable to the contractor, price variation shall be paid at actuals. Request you consider Price variation clause during contract period.	As per RFP.
176	Bidder14		Idling of Manpower		If the Substation is not ready for implementation of the monitoring system, then idling of manpower will be a concern. Idling Charges of manpower shall be paid by MSEDCL.	Substation readiness is to be confirmed during the site survey by bidders before implementation works start.
177	Bidder14	Section 5, Special Conditions of Contract, Special Condition 4, Point EE, I. General Instructions Pg. 135 of 284	Billing and payment terms	Point 1. The bidder shall submit quarterly tax invoice in triplicate along with monthly duly signed substation wise certificate for data accuracy and validity at corporate office as per agreement payment terms with supporting documents for the number of sub-stations declared Go-Live	Despite of the survey if during the time the survey is completed and work is commenced at the sub-station, if there are any faulty equipment's, then Go-Live shall be declared on the equipment's which are working, and data is made available at local and central level. The payment shall be quarterly for the number of sub- stations declared Go-Live. The successful bidder shall be paid in proportion of the total number of equipment's which have been made Go-Live at respective sub-stations e.g. out of 6 equipment's at a sub-station if bidder is able to make data available data points for 4 equipment's at LDMS and central level, then the bidder shall be paid 4 divided by 6 i.e. 66.66% of the amount due at the respective sub-station.	Refer revised RFP
178	Bidder14	Section 5, Special Conditions of Contract, Special Condition 4, Point AA Pg. 134 of 284	Liquidated Damages	In the milestone defined following time schedule is desired 1. Furnishing detailed road map including survey report (for freezing sub-station equipment quantity) – within 45 days from the date of awarding the contract. 2. Submission of detailed data sheet of software / hardware – within 45 days of the date of awarding the contract 3. Go-Live of cloud based central software and setup of command control center – 4 months from date of LoA 4. Commencement of system in entire project area (go-live of complete system) – 12 months from the date of awarding the contract. 5. Commencement of comprehensive support service in entire project area post Go-Live – For 24 months post Go – Live.	Request MSEDCL to provide rationale for all 5 milestones with respect to MSEDCL commitments and bidder deliverables. Considering the coverage is for the entire 3563 odd sub Stations it is very critical to ensure availability of MSEDCL key personnel with the successful bidder in a dedicated manner. Also, by our experience we understand that majority of sub – stations under the scope of the tender are not ready for the aforesaid mentioned scope implementation and there is faulty equipment which requires to be replaced or repaired or upgraded which is in the scope of MSEDCL. We also request that any delay attributable to unavailability of staff for survey or non – readiness of the sub-station should not be attributable to the successful bidder and no liquidated damages should be levied onto the bidder. We further request the following timelines for the milestones: Milestone 1 – Within 6 months from award of LoA Milestone 2 – Within 2 months on sign off Milestone 1. Milestone 3 – Within 4 months from sign off milestone 2. Milestone 4 – Within 12 months from sign off milestone 3. Milestone 5 – For 24 months post Go Live	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSIEDCL Response
179	Bidder14	Section 5, Special Conditions of Contract, Special Condition 4, Point DD Pg. 135 of 284	Transfer of ownership	Ownership and the terms of usage of the software and materials supplied under the contract shall be governed by Tender Conditions. The vendor shall grant the purchaser a perpetual license to use the software without any additional payment or obligations to enter contract for maintenance or support	The solution that shall be provided by the bidder may involve COTS as well as BESPOKE applications / products.	bidder to provide source code for the customized software along with perpetual license, if any.
180	Bidder14	Section 5, Special Conditions of Contract, Special Condition 4, Point DD Pg. 135 of 284	Transfer of ownership	Ownership and the terms of usage of the software and materials supplied under the contract shall be governed by Tender Conditions. The vendor shall grant the purchaser a perpetual license to use the software without any additional payment or obligations to enter contract for maintenance or support	All COTS as well as BESPOKE applications shall be having perpetual license to use the software and at times new development or patches will be deployed as the same would be deployed on cloud. Any customization or integration that would be done after hand over and closure of project should be part of maintenance support	bidder to provide source code for the customized software along with perpetual license, if any.
181	Bidder14	Section 5, Special Conditions of Contract, Special Condition 4, Point EE, III, 1. Payment Schedule Pg. 136 of 284	Billing and payment terms	A) Mobilization Advance (Optional): Bidder may opt for mobilization advance (10% of contract value) after successful survey, designing, engineering the project scope, subject to issuance of additional BG. Bidder may opt for mobilization advance 10% of total value of contract as mobilization after signing the contract.	Suggestion: Bidder may opt for mobilization advance of 15% of total value of contract as mobilization after signing the contract. (kindly do not link with survey completion)	As per RFP
182	Bidder14	Section 6, Appendix 1 – Qualification Criteria and Technical Evaluation – A. Qualification Criteria for Bidder Pg. 148 of 284	Appendices	A. Point e) If the bidder submits more than one bid in the bidding process, either individually or as a partner in a consortium then this will result in disqualification of all such bids. A firm can be a member of only one consortium, bids submitted by consortia including the same firm as a partner will be rejected.	If the bidder and / or its member firm (which could include OEM) shall also abide by the same, i.e., an OEM can be part of a single bid, but same OEM including member firm cannot provide their solutions then to rest of bidders as it will lead to conflict of interest.	As per RFP
183	Bidder14	Section 6, Appendix 1 – Qualification Criteria and Technical Evaluation – A. Qualification Criteria for Bidder, Point No. 2 – Project Experience Pg. 149 of 284	Appendices	Qualification Criteria Point No. 2 1. The sole / lead / consortium member successfully completed similar works in the power sector in India for at least 200 sub stations or 1,000 feeders cumulatively during the last 5 years at the time of bid submission date and	In line with CVC guidelines (Appendix 2) Qualification Criteria Point No. 2 1. The sole / lead / consortium member successfully completed similar works in the power sector in India for at least 60 sub stations or 300 feeders cumulatively during the last 10 years at the time of bid submission date and	As per RFP
184	Bidder14	Section 6, Appendix 1 – Qualification Criteria and Technical Evaluation – A. Qualification Criteria for Bidder, Point No. 2 – Project Experience Pg. 149 of 284	Appendices	2. The sole / lead / consortium member cumulatively shall have executed similar works with a cumulative total project value of Rs 100 crores or more during the last 5 years within India only.	2. The sole / lead / consortium member cumulatively shall have executed similar works with a cumulative total project value of Rs 30 crores or more during the last 10 years within India only.	As per RFP
185	Bidder14	Section 6, Appendix 1 – Qualification Criteria and Technical Evaluation – A. Qualification Criteria for Bidder, Point No. 2 – Project Experience Pg. 149 of 284	Appendices	Note: Similar works means successful implementation / integration / go-live of Scada / RT-DAS / substation monitoring system / feeder monitoring system / IoT based remote monitoring system in central govt / state govt / public sector in India	Note: Similar works means successful implementation / integration / go-live of Scada / RT-DAS / substation monitoring system / feeder monitoring system / IoT based remote monitoring system / Providing RMU/metering for feeder monitoring/ SCADA compatible Substation/ providing of equipment for Substation Monitoring/ commissioning of RMUs / relays with communication facility and winding / oil indicators for power transformers / in central govt / state govt / public sector in India	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSMEDCL Response
186	Bidder14	Section 6, Appendix 1 – Qualification Criteria and Technical Evaluation – A. Qualification Criteria for Bidder, Point No. 3 – Financial Strength: Annual Turnover Pg. 149 of 284	Appendices	The bidder should have a minimum average annual financial turnover of Rs 190 crores during last three financial year. Lead Consortium member should have minimum average turnover of Rs 97 cr. While other consortium members individually shall meet not less than Rs 38 cr of minimum financial requirement criteria.	As per CVC guidelines for Civil / Electrical Works (attached as Annexure 2)- For electrical / civil works, average annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least 30% of the estimated cost. Project Estimate: INR 382.29 cr (@30% is INR 115 cr) Lead Consortium member should have minimum average turnover of Rs 60 cr While other consortium members individually shall meet not less than Rs 27.5 cr of minimum financial requirement criteria.	As per RFP
187	Bidder14	Section 6, Appendix 1 – Qualification Criteria and Technical Evaluation – A. Qualification Criteria for Bidder, Point No. 4 – Financial Strength: Net worth Pg. 150 of 284	Appendices	The bidder shall have a positive net worth for each of the last three audited financial years. Documents required: Net worth certificate duly certified by CA	The bidder shall have a positive net worth for each of the last three audited financial years. Documents required: Net worth certificate duly certified by CA. In case of consortium this QR is to be met collectively.	As per RFP
188	Bidder14	Section 6, Appendix 1 – Qualification Criteria and Technical Evaluation – A. Qualification Criteria for Bidder, Point No. 1 – Technical Evaluation Pg. 151 of 284	Appendices	Evaluation: Minimum average annual turnover in the last audited 3 financial years Mark allocation: 1) INR 190 to INR 250 cr: 5 marks 2) More than INR 250 cr – INR 300 cr: 10 marks 3) More than INR 300 cr: 15 marks	Suggested mark allocation: 1. INR 115 to INR 165 cr: 5 marks 2. INR 165 – 215 cr: 10 marks 3. More than INR 215 cr: 15 marks	As per RFP
189	Bidder14	Section 6, Appendix 1 – Qualification Criteria and Technical Evaluation – A. Qualification Criteria for Bidder, Point No. 2 – Technical Evaluation Pg. 151 of 284	Appendices	The Sole / Lead / Consortium member successfully completed SCADA system/ Substation monitoring system / Feeder Monitoring System / RT-DAS Project / IoT based Remote Monitoring System in	The Sole / Lead / Consortium member successfully completed SCADA system/ Substation monitoring system / Feeder Monitoring System / RT-DAS Project / IoT based Remote Monitoring System / relays with communication facility and winding / oil indicators for	As per RFP
190	Bidder14		Appendix # 1 Qualification Criteria & Technical Evaluation	power sector in India for at least 200 substations or 1000 feeders cumulatively during last 5 years at the time of bid submission date.	power transformers in power sector in India for at least 60 substations or 300 feeders cumulatively during last 10 years at the time of bid submission date.	As per RFP
191	Bidder14	Section 6, Appendix 1 – Qualification Criteria and Technical Evaluation – A. Qualification Criteria for Bidder, Point No. 2 – Technical Evaluation Pg. 151 of 284	Appendices	Point 2 Mark Allocation: ≥ 200 substations and < 500 substations: 10 Marks OR ≥ 1000 feeders and < 1500 feeders: 10 Marks ≥ 500 substations and < 1000 substations: 20 Marks OR ≥ 1500 feeders and < 3000 feeders: 20 Marks ≥ 1000 substations: 25 Marks OR ≥ 3000 feeders: 25 Marks	Suggested Point 2 Mark Allocation: ≥ 60 substations and < 150 substations: 10 Marks OR ≥ 150 feeders and < 450 feeders: 10 Marks ≥ 150 substations and < 300 substations: 20 Marks OR ≥ 450 feeders and < 900 feeders: 20 Marks ≥ 300 substations: 25 Marks OR ≥ 900 feeders: 25 Marks	As per RFP
192	Bidder14	Section 6, Appendix 1 – Qualification Criteria and Technical Evaluation – A. Qualification Criteria for Bidder, Point No. 3 –	Appendices	The sole / lead / consortium member cumulatively shall have executed similar works with a cumulative total project value of Rs 100 cr or more during the last 5 years within India	Suggestion: The sole / lead / consortium member cumulatively shall have executed similar works with a cumulative total project value of Rs 100 cr or more during the last 10 years within India	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSSEDCL Response
193	Bidder14	Section 6, Appendix 1 – Qualification Criteria and Technical Evaluation – A. Qualification Criteria for Bidder, Point No. 3 – Technical Evaluation Pg. 152 of 284	Appendices	Point No. 3 Mark Allocation: >100 Crores and <= 200 Crores: 5 Marks >200 Crores and <= 300: 10 Marks > 300 Crores: 15 Marks	Suggested Point No. 3 Mark Allocation (as per CVC guidelines): >30 Crores and <= 60 Crores: 5 Marks >60 Crores and <= 90: 10 Marks > 90 Crores: 15 Marks	As per RFP
194	Bidder14	Section 6, Appendix 1 – Qualification Criteria and Technical Evaluation – A. Qualification Criteria for Bidder, Point No. 4 – Technical Evaluation Pg. 152 of 284	Appendices	Experience of setting up of command- control center for state govt / central govt / PSU / Public Limited in India during last 5 years Mark Allocation: 1) One project = 3 marks 2) 2 to 5 projects = 5 marks 3) >5 projects = 10 marks	Suggested Mark Allocation: 1) One project = 3 marks 2) 2 to 3 projects = 5 marks 3) >3 projects = 10 marks	As per RFP
195	Bidder14	Section 6, Appendix 1 – Qualification Criteria and Technical Evaluation – A. Qualification Criteria for Bidder, Point No. 4 – Technical Evaluation Pg. 152 of 284	Appendices	Experience of deployment and management of application on MeitY empanelled cloud for any project of any central / state government / PSU / public limited in India during last 5 years Mark Allocation: 1) One project = 3 marks 2) 2 to 5 projects = 5 marks 3) >5 projects = 10 marks	Suggested Mark Allocation: 1) One project = 3 marks 2) 2 to 3 projects = 5 marks 3) >3 projects = 10 marks	As per RFP
196	Bidder14	Section 5, Special Conditions of	Payment Schedule	As per mile stone: 60 % of payment will be paid after Go – Live Declaration of substation	Suggestions on payment milestone should follow ADB / RDSS guidelines	Please refer corrigendum
197	Bidder14	Special Condition 4, Point EE, III, 1. Payment Schedule, 1 & 2 Pg. 140 of 284	Payment Schedule	Deliverables: after successful installation, commissioning, integration and Go-Live of number of substations per month 40% of payment will be paid based on availability of data (price to be distributed for entire contract period after Go-Live) Data availability to be calculated on monthly basis and payment processing on quarterly basis	followed in different states Payment schedule in other RDSS / ADB funded projects in other states: 75% is against supply, commissioning and Go-Live and 25% for O&M WBSEDCL is implementing SCADA, and it is funded by ADB, following is the payment condition: For the 75% milestone as mentioned in the tender: 60% of the total or pro rata EXW amount upon receipt of material in good condition at bidders store. 25% of the total or pro rata EXW amount upon issue of installation certificate 15% of the total against Go-Live Certificate For the 25% milestone it will be paid every quarter based on availability of data – which shall be duly certified by WBSEDCL	Please refer Corrigendum
198	Bidder14	Section 7: Annexures & Forms Pg. 193 of 284	Form # 5 Price Schedule	In form 5, there is a single price that is sought for the entire scope of work i.e. price for “Design, Engineering, Supply, Installation, Testing, Commissioning, Integration, customization & Go Live of Substation and Central Monitoring System at Central Command Center with 2 Years Comprehensive services (Post GO- Live) with communication charges, Cloud and Software charges, site services for various substation equipment including Power. Transformers, 33 kV Incomers, 11 kV Incomers, 11kV outgoing, 33kV outgoing, DC Auxiliary supply, Station Transformers and Capacitor bank, etc. and RMS at Solar plants	In form 5, there is a single price that is sought for the entire scope of work. We request if it can be broken down as follows: 1. Supply, installation, commissioning and Go-Live 2. Cloud cost (which can be paid on quarterly basis) (after completion of quarter) 3. Cost of supply, installation, commissioning, and Go- Live of Energy Command Center 4. O&M cost post Go-Live (to be paid quarterly post Go- Live)	Please refer corrigendum

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
199	Bidder15	12	2.4/4	Bidder to integrate ABT Meter data installed at additional bay in Substation (by solar developer)	Please confirm that ABT meter supply is not in the scope of this tender.	ABT meter supply is not in scope of bidder/ tender.
200	Bidder15	141	Penalty Schedule iv	Data storage: Bidder will provide 5 minutes interval data (i.e. 288 slots data in a day) or any other configurable interval as decided by MSEDCL on real time basis on which SLA will be measured.	Please confirm the data storage duration/tenure, for system sizing purposes.	Please consider contract period as data storage duration.
201	Bidder15	86	2.12/ 12	Integration of HES/DAS/ MDM with MSEDCL systems. Bidder has to provide DAS/ HES/ MDM and integrate the same with MSEDCL systems (currently deployed on AWS cloud) using Web Services/ APIs.	Is supply of HES/MDM in the scope of this tender? Or only integration with existing HES/MDM is to be provided.	As per RFP
202	Bidder15	26	2.5	System should have a provision of a decision support system	Kindly clarify the requirements.	<i>Bidder has to propose a decision support system based on substation data available and same will be modified/approved by MSEDCL</i>
203	Bidder15	68	2.1/Part B-a	Multi-Function Meter (MFM)	It is requested that the MFM specifications as per PFC SBD may be followed.	As per RFP
204	Bidder15	84	2.12	Data-points - (Feeder incomer, Transformer LV, Solar feeder, outgoing feeders and outgoing feeders)	Analog parameters shall be limited to as provided by MFM/Net meter.	As per RFP
205	Bidder15	86	2.12/ 9-h	For Monitoring of capacitor bank in sub-station following parameters are to be monitored: i. Current, Voltage, Power Factor, Under Voltage indication, Over Voltage indication, Neutral current measurement (Healthiness of Neutral Displacement Relay) ii. Indication for taking bank in circuit depending on load condition. iii. Measurement of instantaneous values of MW, MVAR, KV and Connected capacity of capacitor Bank.	We understand that the contacts/signals are available in the capacitor bank panels and no separate device is required to be installed.	As per RFP
206	Bidder15	86	2.12/ 9-j	Status of substation DC auxiliary supply (including monitoring of voltage, current, power and energy)	We understand that this is limited to the DC Power Supply being supplied under this tender, and not for existing DC supply.	As per RFP Status of substation DC auxiliary supply is for both (scope under this tender, and existing DC supply.)
207	Bidder15	86	2.13	Implement civil and electrical work required for all the supplied equipment including separate earthing.	We understand that only minor civil works are in our scope. Digging, foundations, trenches, etc. are not included.	As per RFP
208	Bidder15	88	2.15	It is bidder's responsibility to replace OTI / WTI existing sensors / device if required including all wiring required for monitoring / controlling of the above parameters to meet the scope of work.	We understand that this is limited to the OTI/WTI sensors and not for other sensors/devices.	As per RFP
209	Bidder15	173	Annexure # 3	Annexure # 3 MNRE Guidelines	We understand that this annexure is provided for reference only, and that the system/facilities mentioned herein are to be provided by the respective solar developers.	<i>As per RFP. MNRE Guidelines are to be followed by bidder for RMS integration at solar plant commissioned by solar developers.</i>
210	Bidder15	136	Billing and Payment 1/14	Bidder to collect monthly duly signed substation wise certificate for data accuracy and validity and enclose the original certificate with the quarterly tax invoice (on the basis of separate monthly calculations) to corporate office.	Kindly confirm the signing authority for this certificate, whether it is be SE of respective Circle or some other authority.	Superintending Engineer(O&M) of respective Circle
211	Bidder15	29	2.8	Complaints and ticket management system: Implementing Agency Engineer	We understand that agency engineer to handle the complaints and tickets will be provided by MSEDCL and in the scope of the bidder.	As per RFP
212	Bidder15	23	2.6/3/II	II. Technical Specifications of CCC Components	We understand that for CCC, provision of suitable space, furniture, interiors, air-conditioning will be provided by MSEDCL.	Yes, it will be provided by MSEDCL
213	Bidder15	149	Appendix # 1/i/2	Similar works means successful implementation / Integration / Go-Live of SCADA / RT-DAS / Substation Monitoring System / Feeder Monitoring System / IoT-based Remote Monitoring System in Central Govt/State Govt/PSU/Public Sector in India.	Work Order /Purchase Orders will be considered for evaluation only if it is received directly from Power Utility/Distribution authority of Central Govt./State Govt./PSU/Public sectors in India for SCADA / RT-DAS / Substation Monitoring System. No subcontracting orders will be considered.	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
214	Bidder15	15	2.5/16/i-C	Integration with RMS at Solar Plant commissioned under MSKVY 2.0 The Solar generation data at solar plants i.e. inverter data and ABT meter at plant will be available through RMS installed by solar developers under MSKVY 2.0. The same shall be integrated with Command and Control Centre as per MNRE Guidelines (Annexure- 3). The RMS data shall also be made available in LDMS at Substation Level.	As per the RMS architecture under MNRE, data of Solar Plant is available in the cloud. Therefore, integration with this service at command and control centre is possible. However, at LDMS level there is no such connectivity, and hence only net meter data of solar feeders can be made available at the LDMS level.	Please refer Corrigendum
215	Bidder15	194	Format #5	Form-5 - Price Schedule	As per current price bid format, price to be quoted is mentioned as per-substation per-month. However, in payment terms it is mentioned that 60% of per substation cost will be paid after Go-live and 40% on quarterly basis during the maintenance period. Please clarify how this will be disbursed. Also, we would request to make separate line items for CCC, I&C, FMS.	Refer revised RFP
216	Bidder15	14	2.5 Note	Bidder should also consider the cost required for network integration, data processing and data transfer charges (Both IN and OUT) from existing MSEDCL account for entire contract period.	We understand that data processing, data transfer and network integration cost pertaining to current scope of work only and not for the existing MSEDCL applications.	Yes
217	Bidder15	10	2.1/ 1	Survey and freezing of quantity: Bidder to survey all substations to finalise the bill of material required for project. Further, bidder should also provide the detail survey regarding WTI and OTI whether motorized or non-motorized	Please clarify the meaning of motorized and non-motorized in the context of WTI and OTI.	Refer revised RFP
218	Bidder15	11	2.3/ 3	Within 45 days after issue of LOA to successful bidder to conduct a joint survey with concerned MSEDCL Testing Division/ Circle has to carry out the detailed survey of substations allotted to them.	The time allotted for survey is very less to cover 3000+ substations. Please allow 90 days period at the minimum.	As per RFP
219	Bidder15	33	2.10/b	WAN router	We understand that the WAN router is not mandatory and bidder can offer his own solution for the last-mile connectivity.	Refer revised RFP. WAN Router is optional. However bidder has to provide any one of the communication equipment (DCU/WAN Router / Gateway / Modem) at substation level.
220	Bidder15	35	2.1	DC Power Supply	We understand that the DC Power Supply has to cater only to the substation devices offered by the bidder under this tender. Please confirm the backup duration.	1) Bidder to evaluate equipment requirement to meet the scope of work as per their proposed solution. 2) Please refer corrigendum, backup duration should be at least minimum 4 hours
221	Bidder15	41	2.1/g	SCADA Gateway Router	We understand that the SCADA Gateway/router is not mandatory and bidder can offer his own solution (such as RTU/DCU) for the substation data transfer to control centre and LMS.	Refer revised RFP. Gateway / Router is optional. However bidder has to provide any one of the communication equipment (DCU/WAN Router / Gateway / Modem) at substation level.
222	Bidder15	62	2.1/q	Data Concentrator Unit (DCU)	We understand that the DCU is not mandatory and bidder can offer his own solution (such as RTU with DCU functions) for the substation data transfer to control centre and LMS.	Refer revised RFP. DCU is optional. However bidder has to provide any one of the communication equipment (DCU/WAN Router / Gateway / Modem) at substation level.
223	Bidder15	138	Penalty b/ii	If any parameter (such as V,I,PF, Power, energy, relay & CB status etc.) of the line items/equipment is missing/ not available for complete month due to bidder's issue then no payment shall be made to the bidder for that equipment	As there is no feeder/equipment wise pricing, how will this be executed?	Refer revised RFP
224	Bidder15	138	Penalty b/iv	In case of Power Transformer monitoring, if any monitoring (such as oil level, winding temperature etc.) as mentioned in Form#5price schedule is practically not possible then payment for the devices/ sensors which are used for such monitoring will not be given to the bidder. For example, in case of power Transformer monitoring if oil level monitoring is not possible then the payment of the sensor/ any other device which is used for oil level monitoring will not be given to the bidder. Similarly, for all other equipment (i.e. feeder monitoring, capacitor bank monitoring, DC battery monitoring, Sub-Station Distribution Transformer monitoring) also similar process will be followed. The bidder should submit documentary evidence duly certified by MSEDCL testing division for which monitoring is not possible.	As there is no feeder/equipment wise pricing, how will this be executed?	Refer revised RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
225	Bidder15	19	2.6/I	All data should be refreshed within 10 seconds or any other configurable interval as decided by MSEDCL and Log shall be provided by the bidder to measure the same with time stamp on demand.	It is requested that data refresh shall be at 5 minutes interval, as per the data storage policy defined in the tender. Please confirm.	Real time refresh time is 10 sec and data storage time is 5 min for measurements
226	Bidder15	167	Appendix # 10	In case of disaster cloud services should provide RPO <=15 Minutes and RTO<= 2 Hours. Bidder shall develop appropriate policy, checklists for failover and fallback to DR site.	As per the clause on page 80, RPO is mentioned as 2 hours, and RTO as 4 hours. Please clarify what is to be followed.	Refer Revised RFP
227	Bidder15	134	AA/II	In case of a delay in the deliverables (milestones as per below table) within the period stipulated in the agreement, the Bidder shall be liable to pay, at the discretion of the competent authority of MSEDCL, the liquidated damages to MSEDCL up to ½ % of total contract value (incl. GST) if applicable per week or part of week on the price pertaining to delayed activities, subject to a maximum ceiling of 10% reckoned on the total contract value.	We request change as below - In case of a delay in the deliverables (milestones as per below table) within the period stipulated in the agreement, the Bidder shall be liable to pay, at the discretion of the competent authority of MSEDCL, the liquidated damages to MSEDCL up to ½ % of total contract value (incl. GST) on the price pertaining to delayed activities if applicable per week or part of week, subject to a maximum ceiling of 10% reckoned on the total contract value.	Refer Revised RFP
228	Bidder15	202	8. Taxes & Duties:-	8.1 TDS towards Income Tax will be deducted from the payment of Contract value as per rate applicable. 8.2 The contract price includes all Taxes & Duties. MSEDCL will pay the cost of GST due to the Government at their actual cost during execution. The MSEDCL will discharge its GST liability by availing the most beneficial cost advantage under the appropriate general Exemption and Notifications of GST. TDS under GST applicable as per rule.	MSEDCL will release 100% of GST with payment against receipt of first invoice.	Invoice to be raised and submitted as per payment schedule milestone and GST will be paid as per invoice amount .
229	Bidder16		Appendix # 1 Qualification Criteria for Bidder i. (6) CMMI Certification	Should have CMMI Level 3 or above Certification	To be deleted	As per RFP
230	Bidder16	149	Appendix # 1	Financial Strength Turnover The bidder should have minimum average annual financial Turnover of at least Rs. 190 Crores for the last three financial years ending 31st March of the previous financial year (i.e. FY 2019-20, FY 2020- 21 and FY 2021- 22). The Lead Consortium Member/ Lead Bidder should have a minimum average annual financial turnover of Rs. 97 Crs during the last Three financial years. While the other Consortium Member(s) individually shall meet not less than Rs.38 Crs of the minimum financial requirement criteria.	If the bidder submits the Bid through MOU Partner route/ the sole/ Lead / consortium member shall meet this financial requirement.	As per RFP
231	Bidder16		Appendix # 1 Qualification Criteria for Bidder i. (1) Definition of Bidder	The bidder can be an individual entity or consortium of a maximum of three (3) entities registered in India under the Companies Act 1956 or Companies Act 2013, or a firm registered with the registrar of firms or Proprietorship registered in India who fulfils the eligibility criteria. In the case of a consortium, one of the consortium members responsible for performing key components of the contract shall be designated as Lead Bidder. One of the Consortium Partners shall be OEM of Critical components such as RTU or similar equipment/ SCADA Software/ CSP/MSP of Cloud services. Evidence of this authorization shall be provided by submitting a power of attorney signed by legally authorized signatories of all consortium members along with the bid.	The bidder can be an individual entity or consortium of a maximum of three (3) entities registered in India under the Companies Act 1956 or Companies Act 2013, or a firm registered with the registrar of firms or Proprietorship registered in India who fulfils the eligibility criteria. In the case of a consortium, one of the consortium members responsible for performing key components of the contract shall be designated as Lead Bidder. One of the Consortium Partners shall be OEM of Critical components such as RTU or similar equipment/ SCADA/ DMS Software/ CSP/MSP of Cloud services. Evidence of this authorization shall be provided by submitting a power of attorney signed by legally authorized signatories of all consortium members along with the bid.	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
232	Bidder16	149	Appendix # 1 Qualification Criteria for Bidder i. (2) Project Experience	Experience in Implementation: 1) The Sole / Lead / Consortium member successfully completed similar works in the power sector in India for at least 200 substations or 1000 feeders cumulatively during the last 5 years at the time of bid submission date. and 2) The Sole / Lead / Consortium member cumulatively shall have executed similar works with a cumulative Total Project Value of Rs. 100 Crores or more during the last 5 years within India only. Note: Similar works means successful implementation / Integration / Go-Live of SCADA / RT-DAS / Substation Monitoring System / Feeder Monitoring System / IoT-based Remote Monitoring System in Central Govt/State Govt/PSU/Public Sector in India.	Experience in Implementation: 1) The Sole / Lead / Consortium member/ MOU Partner successfully completed similar works in the power sector in India for at least 200 substations or 1000 feeders cumulatively during the last 5 years at the time of bid submission date. and 2) The Sole / Lead / Consortium member / MOU Partner cumulatively shall have executed similar works with a cumulative Total Project Value of Rs. 100 Crores or more during the last 5 years within India only. Note: Similar works means successful implementation / Integration/ Go-Live of SCADA / RT-DAS / Substation Monitoring System / Feeder Monitoring System / IoT-based Remote Monitoring System in Central Govt/State Govt/PSU/Public Sector in India.	As per RFP
233	Bidder16	Section 6, Appendix 1 – Qualification Criteria and Technical Evaluation – A. Qualification Criteria for Bidder, Point No. 4 – Financial Strength: Net worth Pg. 150 of 284	Appendix # 1 Qualification Criteria for Bidder i. (4) Financial Strength: Net worth	The Bidder shall have a positive net worth for each of the last three audited financial years. [FY2020-21, FY2021-22, FY2022-23] [Net Worth means the sum total of the paid-up capital and free reserves (excluding reserves created out of revaluation) reduced by the aggregate value of accumulated losses (including debit balance in profit and loss account for the current year) and intangible assets.]	If the bidder submits the Bid through MOU Partner route , the sole/ Lead / consortium member shall meet this financial requirement.	As per RFP
234	Bidder16		Appendix # 1 Qualification Criteria for Bidder i. (5) Quality Certification	i. Should have valid ISO 9001: 2015 certification. ii. Should have IEC/ ISO 27001 certification.	The sole/ Lead / consortium member / MOU Partner shall meet this requirement.	As per RFP
235	Bidder17	90	2.16	The bidder shall not be entitled to receive any agreed payments upon termination of the contract. However, the MSEDCL may consider making a payment for the part satisfactorily performed services on the basis of Quantum of Merit as assessed by it, if such part is of economic utility to the MSEDCL.	Since the bidder would have already incurred significant cost for the project request to consider paying for work already completed before such termination and hence amend the clause to read as under "The bidder shall not be entitled to receive any agreed payments upon termination of the contract. However, the MSEDCL may consider making shall make payment for the part satisfactorily performed services on the basis of Quantum of Merit as assessed by it with mutual consultation with Bidder . if such part is of economic utility to the MSEDCL.	As per RFP
236	Bidder17	111	GCC E IV	The Bidder assumes responsibility for and shall indemnify and save harmless the EMPLOYER, from all liability, claims, costs, expenses, taxes and assessments including penalties, punitive damages, attorney's fees and court cost which are, or may be required with respect to any breach of the Bidder's obligations under the Contract	Request to limit the liability to direct claims and hence request to amend as under "The Bidder assumes responsibility for and shall indemnify and save harmless the EMPLOYER, from all direct liability, claims, costs, expenses, taxes and assessments including penalties, punitive damages, attorney's fees and court cost which are, or may be required with respect to any breach of the Bidder's obligations under the Contract	As per RFP
237	Bidder17	111	GCC E V	Subject to additional provision, if any, the Bidder's liability under this contract shall be as provided by the Applicable Law	Request to limit the liability of the bidder to 10 % and hence amend the clause as under "Subject to additional provision, if any, the Bidder's liability under this contract shall be as provided by the Applicable Law In no case shall bidder total aggregate liability exceed 10% of the total contract value	As per RFP
238	Bidder17	113	GCC 5 B	MSEDCL will not give any payment to the bidder for the equipment supplied and all the equipment supplied will be the property of MSEDCL in the event of termination due to bidder's default.	Request to amend the clause since the bidder would have pay the supplier of the equipments and hence amend the clause to read as under "MSEDCL will not give any payment to the bidder for the equipment supplied and all the equipment supplied will be the property of MSEDCL in the event of termination due to bidder's default.	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
239	Bidder17	114	GCC 6	At any time after the placement of this order if the Bidder fails to fulfil the obligations, arising out of this order MSEDCL will have the right to get the work done from any other Bidder for completing the remaining work at Bidder's risk & cost. In addition to above 10 % penalty on unexecuted work will be recovered	Request to delete the penalty clause since MSEDCL already has the right to invoke PBG and get the work through others at risk and cost of Bidder and hence amend the clause to read as under "At any time after the placement of this order if the Bidder fails to fulfil the obligations, arising out of this order MSEDCL will have the right to get the work done from any other Bidder for completing the remaining work at Bidder's risk & cost. In addition to above 10 % penalty on unexecuted work will be recovered	As per RFP
240	Bidder17	129	SCC Q 2	The cost of arbitration shall be borne by the Implementation partner. The cost shall inter-alia include the fees of the arbitration(s) as per the rates fixed by the arbitrator from time to time.	Request to kindly bear the cost equally among the parties and hence amend the clause to read as under "The cost of arbitration shall be borne <u>equally</u> by the <u>parties implementation partner</u> . The cost shall inter-alia include the fees of the arbitration(s) as per the rates fixed by the arbitrator from time to time.	<i>Please refer corrigendum</i> <i>Arbitration fee should be equally borne by both parties</i>
241	Bidder17	136	EE. BILLING AND PAYMENT TERMS	Bidder to collect monthly duly signed substation wise certificate for data accuracy and validity and enclose the original certificate with the quarterly tax invoice (on the basis of separate monthly calculations) to corporate office.	We request you to please confirm the signing authority for this certificate, whether it is SE of respective Circle or some other authority.	Superintending Engineer(O&M) of respective Circle
242	Bidder17	141	iv. Data storage:	Data storage: Bidder will provide 5 minutes interval data (i.e. 288 slots data in a day) or any other configurable interval as decided by MSEDCL on real time basis on which SLA will be measured.	We request you to please confirm the data storage duration/tenure to be considered for system sizing purposes. As per the current RFP document's various sections/clauses, data interval is mentioned as 10 seconds, 5 minutes and 15 minutes.	Please consider contract period as data storage duration.
243	Bidder17	149	A. Qualification Criteria for bidder 3. Financial Strength : Annual Turnover	The bidder should have a minimum average annual financial turnover of Rs. 190 Crores during the last Three financial years ending 31st March of the previous financial year. In case of a consortium, The Lead Consortium Member/ Lead Bidder should have a minimum average annual financial turnover of Rs. 97 Crs during the last Three financial years. While the other Consortium Member(s) individually shall meet not less than Rs.38 Crs of the minimum financial requirement criteria.	We request authority to amend the clause as the given criteria does not sums upto 190 Crore average Turnover of last 3 Financial Year (20- 21,21-22 and 22-23) The bidder should have a minimum average annual financial turnover of Rs. 190 Crores during the last Three financial years ending 31st March of the previous financial year. In case of a consortium, The Lead Consortium Member/ Lead Bidder should have a minimum average annual financial turnover of Rs. 97 Crs during the last Three financial years. While the other Consortium Member(s) individually shall meet not less than Rs.38 20 Crs of the minimum financial requirement criteria.	As per RFP
244	Bidder17	149	Appendix # 1 Qualification Criteria & Technical Evaluation	Similar works means successful implementation / Integration / Go-Live of SCADA / RT-DAS / Substation Monitoring System / Feeder Monitoring System / IoT-based Remote Monitoring System in Central Govt/State Govt/PSU/Public Sector in India.	Work Order /Purchase Orders will be considered for evaluation only if it is received directly from Power Utility/Distribution authority of Central Govt./State Govt./PSU/Public sectors in India for SCADA / RT-DAS / Substation Monitoring System. No subcontracting orders will be considered.	As per RFP
245	Bidder17	198	NDA clause 6	In addition, Company shall indemnify MSEDCL of the actual and liquidated damages which may be demanded by MSEDCL.	We request to please delete the clause since MSEDCL already has right for the specific performance of the NDA	As per RFP
246	Bidder17	229	SLA Clause D	Service Level Agreements & Targets	We request you to please limit the penalties to 10 % of the total contract value and hence insert the following line after the clause " <u>In no case shall the total aggregate penalty amount under the SLA exceed 10 % of the respective month's amount payable to bidder"</u>	As per RFP
247	Bidder17	234	NDA clause 4	In addition, the Company shall indemnify MSEDCL of the actual and liquidated damages which may be demanded by MSEDCL.	We request you to please delete the clause since MSEDCL already has right for the specific performance of the NDA	As per RFP
248	Bidder17	11	2.3. Survey and work plan	Within 45 days after issue of LOA to successful bidder to conduct a joint survey with concerned MSEDCL Testing Division/ Circle has to carry out the detailed survey of substations allotted to them.	We request you to please allow atleast 90 days period at the minimum to perform qualitative site survey & assessment activities. The time allotted for survey (i.e., 45 days) is very less to cover 3000+ substations.	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
249	Bidder17	134	AA. LIQUIDATED DAMAGES	In case of a delay in the deliverables (milestones as per below table) within the period stipulated in the agreement, the Bidder shall be liable to pay, at the discretion of the competent authority of MSEDCL, the liquidated damages to MSEDCL up to ½ % of total contract value (incl. GST) if applicable per week or part of week on the price pertaining to delayed activities subject to a maximum ceiling of 10% reckoned on the	We request change as below - In case of a delay in the deliverables (milestones as per below table) within the period stipulated in the agreement, the Bidder shall be liable to pay, at the discretion of the competent authority of MSEDCL, the liquidated damages to MSEDCL up to ½ % of total contract value (incl. GST) on the price pertaining to delayed activities	Please refer corrigendum
250	Bidder17	138	b) Payment based on availability of data in s/s:	If any parameter (such as V,I,PF, Power, energy, relay & CB status etc.) of the line items/equipment is missing/ not available for complete month due to bidder's issue then no payment shall be made to the bidder for that equipment	We request you to please provide clarity regarding calculation of penalty for this particular clause as there is no feeder/equipment wise pricing given in Price Bid Format,	Please Refer corrigendum - ("Substation" has been inserted in place of "equipment")
251	Bidder17	138	b) Payment based on availability of data in s/s:	In case of Power Transformer monitoring, if any monitoring (such as oil level, winding temperature etc.) as mentioned in Form#5price schedule is practically not possible then payment for the devices/ sensors which are used for such monitoring will not be given to the bidder. For example, in case of power Transformer monitoring if oil level monitoring is not possible then the payment of the sensor/ any other device which is used for oil level monitoring will not be given to the bidder. Similarly, for all other equipment (i.e. feeder monitoring, capacitor bank monitoring, DC battery monitoring, Sub-Station Distribution Transformer monitoring) also similar process will be followed. The bidder should submit documentary evidence duly certified by MSEDCL testing division for which monitoring is not possible.	We request you to please provide clarity regarding calculation of penalty for this particular clause as there is no Power Transformer/equipment wise pricing given in the Price Bid Format,	Please refer corrigendum After survey, feasible scope of work will be finalised. If the work is feasible, penalty will be charged as per corrigendum.
252	Bidder17	194	Form # 5 Price Schedule	Form-5 - Price Schedule	We request you to please clarify the payment disbursement process. As per current price bid format, price to be quoted is mentioned as per- substation per-month. However, in payment terms it is mentioned that 60% of per substation cost will be paid after Go-live and 40% on quarterly basis during the maintenance period. Also, as there is no linkage of CCC room setup with Substation level work and both activities can be performed simultaneously. Hence, we would request to make separate line items for price schedule of CCC, I&C, FMS.	Refer revised RFP
253	Bidder18	150	Appendix # 1	CMMI Certification Should have CMMI Level 3 or above Certification	Kindly revise the clause as per following: Copy of Valid Certificate should be submitted at the time of award or necessary proofs to be submitted that the necessary renewal is in place.	No Change. As per RFP
254	Bidder18	149	Appendix # 1	Project experience 1) The Sole / Lead / Consortium member successfully completed similar works in the power sector in India for at least 200 substations or 1000 feeders cumulatively during the last 5 years at the time of bid submission date. and 2) The Sole / Lead / Consortium member cumulatively shall have executed similar works with a cumulative Total Project Value of Rs. 100 Crores or more during the last 5 years within India only. Note: Similar works means successful implementation / Integration / Go-Live of SCADA / RT-DAS / Substation Monitoring System /Feeder Monitoring System / IoT-based Remote Monitoring System in Central Govt/State Govt/PSU/Public Sector in India.	We world request you to allow OEM credential as the Tender is huge	As per RFP

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Sr. No	Bidder Name	Page No.	Tender Clause No.	Tender section Clause	Query	MSEDCL Response
255	Bidder18	149	Appendix # 1	Financial Strength Turnover The bidder should have minimum average annual financial Turnover of at least Rs. 190 Crores for the last three financial years ending 31st March of the previous financial year (i.e. FY 2019-20, FY 2020- 21 and FY 2021- 22). The Lead Consortium Member/ Lead Bidder should have a minimum average annual financial turnover of Rs. 97 Crs during the last Three financial years. While the other Consortium Member(s) individually shall meet not less than Rs.38 Crs of the minimum financial requirement criteria.	The bidder should have minimum average annual financial Turnover of at least Rs. 160 Crores for the last three financial years ending 31st March of the previous financial year (i.e. FY 2019-20, FY 2020-21 and FY 2021-22). The Lead Consortium Member/ Lead Bidder should have a minimum average annual financial turnover of Rs. 97 Crs during the last Three financial years. While, the other Consortium Member/s individually or jointly shall meet the remaining minimum financial requirement criteria, if any.	As per RFP
256	Bidder18	151	Appendix # 1	Minimum average annual turnover in the last audited 3 financial years (FY 20-21, FY21- 22 and FY 22- 23). 1) INR 190 Cr to INR 250 Cr : 5 Marks 2) More than INR 250 Cr till INR 300 Cr : 10 Marks 3) More than INR 300 Cr : 15 Marks	Kindly revise the clause as per following: 1) INR 150 Cr to INR 200 Cr : 5 Marks 2) More than INR 200 Cr till INR 250 Cr : 10 Marks 3) More than INR 250 Cr : 15 Marks	As per RFP