

# Annexure A

## Pre-Bid Queries Reponse

Sno	RFP Section & Clause	Page No.	Subject/RFP Clause	Query/Request	MSEDCL Response
<b>Bidder 1</b>					
1	Qualification Criteria	14	Bidder can be an individual or a consortium of maximum 2 organizations	Bidder can be an individual or a consortium of maximum 3 organizations as GIS and Network Analysis are two different domains. Hence multiple organizations have to come together for fulfilling the tender clause of qualification criteria.	No Change. As per RFP
2	Qualification Criteria	15	Bidder/Consortium partner shall have experience of implementation of enterprise GIS application. Above experience should be during the last 7 years since date of publishing of this tender as below: i. Experience in single project costing not less than the amount equal to Rs. 15.70 Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. 9.80 Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. 7.85 Crores (without taxes)	Bidder/Consortium partner shall have experience of implementation of enterprise GIS application. Above experience should be during the last 7 years since date of publishing of this tender as below: i. Experience in single project costing not less than the amount equal to Rs. 7 Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. 3.5 Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. 2.5 Crores (without taxes)	Please refer revised RFP.
3	Qualification Criteria	16	Bidder/Consortium partner shall have experience of implementation of enterprise Network Analysis solution. Above experience should be during the last 7 years since date of publishing of this tender as below: i. Experience in a single project costing not less than the amount equal to Rs. 18 Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. 11.30 Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. 9 Crores (without taxes).	Bidder/Consortium partner shall have experience of implementation of enterprise Network Analysis solution. Above experience should be during the last 7 years since date of publishing of this tender as below: i. Experience in a single project costing not less than the amount equal to Rs. 10 Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. 5 Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. 2 Crores (without taxes).	Please refer revised RFP.
4		General	Separate OEM with different QR for GIS & NA are given in tender.	If one single OEM solution can meet both the requirement for GIS & NA can the bidder submit the bid with that single OEM solutions?	Yes. Provided all Qualifications criteria of the RFP are met.
5		General	In this tender ArcGIS is considered as GIS OEM solution for integration with NA solutions	Can an open source developed OEM solution (which is live in other Indian utility) having done integration with NA SCADA MDAS etc. will be considered or only ArcGIS is to be considered.	Yes Any OEM solution will be considered provided all Qualifications criteria of the RFP are met.
<b>Bidder 2</b>					
6.	10. Obligation of the Bidder iii Service Level Agreement	55	SLA	We request that a maximum penalty cap of 10% of the Contract Value be inserted in line with clause 31 of the RFP.	Refer revised RFP
7.	Contract Performance Security	64	22 Contract Performance Security The Bidder shall provide to the MSEDCL within ten (10) days of issue of Letter of Award the contract performance guarantee the sum of 10% (ten percent) of total contract price for the due performance of the contract. This guarantee shall be valid till the expiry of 180 days after completion of Contract period.	We would like to draw your attention to the recent Circular No. F.9/4/2020-PPD Dated 12.11.2020 issued by Ministry of Finance Department of Expenditure approving reduction in the rates for all Performance Bank Guarantees against Contracts from 5 -10% to 3% on account of slowdown of the economy due to Covid-19 pandemic. Please confirm that the same would be applicable to this bid.	Refer revised RFP
8.	Contract Performance Security	66	26 Contract Performance Security The Bidder should confirm that the performance of services to be provided is fully guaranteed. The guarantee declaration of such parameters and characteristics are enclosed in our offer. If any defect develops due to service provided by the Bidder within the contract period which can be attributable to negligence etc. the Bidder shall rectify the same without any additional cost to MSEDCL. Towards this and for abiding by MSEDCL's terms and conditions Bidder shall furnish a contract performance security bond for a value of 10% of the contract price within fifteen (15) days of issue of letter of intent.	We would like to draw your attention to the recent Circular No. F.9/4/2020-PPD Dated 12.11.2020 issued by Ministry of Finance Department of Expenditure approving reduction in the rates for all Performance Bank Guarantees against Contracts from 5 -10% to 3% on account of slowdown of the economy due to Covid-19 pandemic. Please confirm that the same would be applicable to this bid.	Refer revised RFP
9.	Terms of Payment	66	29 Terms of Payment – Software Licenses Cost 80% of respective product cost to be paid after successful Go-Live of respective solution as per the Specifications 20% of respective product cost to be paid after Stabilization acceptance by MSEDCL	While we agree for payment terms mentioned in the RFP it is requested that full 100% amount towards GST is released along with 80% of the software license cost. As per GST rules we will need to invoice full 100% of the software license cost and will need to be deposit full GST irrespective of payment receipt to the GST authorities.	Accepted. As already mentioned in RFP (GCC 8) Duties and Taxes shall be paid as per the prevailing Government rule. Refer revised Payment Terms.
10.	Statutory Variation	68	32 Statutory Variation The Statutory variation shall be payable on the following accounts only: a) If any tax or duty is newly introduced by the Indian Central Or State Govt. Applicable for this work with effect from the next day to the date of signing of the contract and if the Bidder is required to pay any amount towards this tax or duty when the MSEDCL shall reimburse the Bidder at actual the additional tax or duty so paid by the Bidder against submission by the Bidder of the documentary evidence to the satisfaction of the MSEDCL. b) This provision will be applicable only to the transaction between the MSEDCL and the Bidder. c) No claim for any increase towards the statutory variation shall be entertained by the MSEDCL during the extended period of the contract if any provided the extension of the contract is required by causes attributable to the Bidder. d) The claims against statutory variation if payable would be settled as reimbursement of the payment at actual. The Bidder should include documentary evidence while submitting such claims. This may vary from case depending upon the nature of statutory variation.	It is requested the GST be paid by MSETCL as per the rates applicable at the time of delivery / invoicing.	Accepted. As already mentioned in RFP (GCC 8) Duties and Taxes shall be paid as per the prevailing Government rule.
11.	Scope of Work	25	5. Scope of Work A. Brief Scope 3. Integration of GIS Solution & NA Solution with each other and other systems of MSEDCL. Eg. Load Forecasting SAP-ERP MDAS ECCS Dashboard	We request to provide the details of the other systems listed (OEM version/model platform database local hosting/cloud/other etc). This is for better understanding of scope of work.	Please refer revised RFP. To better understand the scope of work Bidder may visit MSEDCL Office (with prior appointment).
12.	Bid Data Sheet	12	2. Bid Data Sheet 7. Bid Security/ Earnest Money Deposit (EMD)	We request for exemption of EMD for MSME registered in Maharashtra state.	No Change. As per RFP
13.	Bid Data Sheet	13	2. Bid Data Sheet 11. Last date and time for Bid submission (on or before) Date: 26-08-2022 Time: 17.00 Hrs.	We request for submission period of minimum 20 days from the date of release of response to pre-bid queries.	Please refer MSEDCL eTender portal ( <a href="https://etender.mahadiscom.in/">https://etender.mahadiscom.in/</a> ) for schedule of dates.
14.	Qualifying Requirements	16	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder) 7. Bidder shall have implemented at least 5 projects of Network Analysis in power sector in India comprising of modules as below – - Network planning - Network configuration optimization - Substation modelling - Load flow - Contingency analysis - Reliability analysis Out of such 5 projects minimum 3 projects should be with GIS integration. At least one of such projects should be for implementation of proposed OEM solution.	There are very limited bidders with requisite experience of 5 projects in India and 3 with GIS integration. We request to amend this clause and provide relaxation with implementation of 2 projects.	No Change. As per RFP
15.	Qualifying Requirements	18	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder) Bidder has to maintain the MietY and STQC Audit Compliances during the entire contract period	This clause should be applicable with CSP and not bidder.	Clause removed from the Qualifying Requirements of Bidder. However, Bidder has to ensure that CSP is MeITy Empanelled and STQC Audit Compliant during the contract period.

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16.	Qualifying Requirements	16	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder) Bidder shall have experience in implementation of enterprise GIS application. Above experience should be during the last 7 years since date of publishing of this tender as below : i. Experience in single project costing not less than the amount equal to Rs. 15.70 Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. 9.80 Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. 7.85 Crores (without taxes) 4. At least one of the projects in above experience should be for implementation of proposed OEM solution.	We request to remove the criteria for "at least one of the projects experience should be for implementation of proposed OEM solution" since the bidder would not be able to quote for the latest & cost competitive solution available which will not be able to meet this criteria.	Please refer revised RFP. Clause deleted.
17.	Bidding Process	21	4. Bidding Process a. Evaluation of Bids ii. All bidders has to conduct live application demo with full functionalities as per the "Demo Check List" which is in line with the requirement of software mentioned in scope of work demo date will be informed by MSEDCL to responsive bidders after technical evaluation of bid documents. v. During the process of technical evaluation MSEDCL might require the technical demonstration/presentation from the bidders which would also be the part of evaluation.	Kindly confirm whether the demonstration would be for eligible bidders only or for all bidders.	During the process of technical evaluation, MSEDCL might require the technical demonstration/presentation from all the bidders.
18.	Scope of Work	27	B GIS System x. Provisioning of Map services & creation of Network for entire MSEDCL areas from authorized sources for the period of 5 years. Bidder may also be required to integrate map services with other MSEDCL system.	Request for further clarity on map services and its integration (source age accuracy etc).	Bidder need to follow latest industry standards for Utilities.
19.	Scope of Work	27	B GIS System xi. Migration of existing R-APDRP GIS data into new enterprise GIS System.	Kindly provide the details of the existing RAPDRP GIS data. (data model size list etc)	Please refer revised RFP.
20.	Scope of Work	27	B GIS System xxv. The Enterprise GIS Solution (incl. Hardware & Software) provided by the Bidder must meet the System Response time of less than 2 seconds for View operations & 10 seconds for Query/Trace operations.	We understand that the necessary hardware environment (including OS Database antivirus etc) networking items Network connectivity etc would be provided by MSEDCL. Kindly confirm. We request to elaborate the scope for bidder for about points.	Bidder has to provide Cloud infrastructure as per the scope of the project.
21.	Scope of Work	28-30	a) Facility Management Services /Operational Support (Managed Data Services) for GIS System & e) Facility Management Services /Operational Support (Managed Data Services) for NA System	Kindly elaborate the scope of work during the FMS period.	Please refer revised RFP.
22.	Scope of Work	28	C. NETWORK ANALYSIS (NA) The additional licences required to implement the solution at Circle and Division levels will be procured at the unit prices discovered in the successful L1 bid document.	We request to provide the clarity on the timeline for finalisation of additional licences. This is since the OEM prices are valid till restricted period.	As per RFP additional licences may be procured after stabilization of the solution within contract period.
23.	Scope of Work	35	d) Network: ix. Bidder shall do all necessary network configurations to seamlessly connect with existing MSEDCL infrastructure running on AWS cloud.	Kindly furnish details of systems running on AWS cloud.	Please refer revised RFP. To better understand the scope of work Bidder may visit MSEDCL Office (with prior appointment).
24.	General	1	Source of Fund	We request details of source of fund for this project	For further details bidder may visit MSEDCL office.
25.	Scope of Work	46	F. Variation of Scope MSEDCL will have full-undisputed discretionary rights to add or reduce the scope of work as per its requirements and Bidder will have to comply accordingly. Anytime during the contract period MSEDCL may modify its business process/ workflow as per its requirements and bidder will have to comply with it without any adverse commercial implication.	The variation of scope should be limited to +/-10% of the order as per the standard conditions.	Please refer revised RFP. Clause deleted.
26.	Timelines	47	K. Milestones and Timelines: Milestone Timeline - Deployment One Month from LoA - Roll Out Data Migration and GO LIVE Three Months from LoA - Start of Managed Services for 60 Months Four Months from LoA	Considering our experience of similar implementation and challenges in environment readiness integration readiness and other dependant factors We request to extend the timeline by additional 2 months.	Please refer revised RFP.
27.	Contract Period	66	27. PERIOD OF CONTRACT Time period of contract shall be 5 Years. The Zero date of the contract shall commence from the date of issue of "Award of Contract".	The implementation + stabilisation period of 4 months and FMS period is given as 5 years which would be more than the period of contract. Kindly clarify on the same.	Please refer revised RFP.
28.	Terms of Payment	67	29. TERMS OF PAYMENT Cloud Services Cost for 5 years	The cloud service would be required for implementation and stabilisation period of 4 months and FMS period of 5 years. Hence request to clarify on the start of cloud services.	Please refer revised RFP. Cloud services will be start after Go-Live declarations for 62 months.
29.	Scope of Work/ Price Schedule	76	40. ANNEXURE D - SCHEDULE OF PRICE BID A) PRICE SCHEDULE FOR GIS AND NETWORK ANALYSIS SOLUTION xi. If any additional software/hardware/licences/item required to fulfill the project requirement and not quoted by the vendor the vendor has to supply the same at no cost to MSEDCL.	We request MSEDCL to provide the BOQ for additional hardware/licences/item required for better scope clarity.	Bidder has to provide the required solution and provide details unpriced bid for the same. If additional Licences require it is in Bidder scope. No separate charges will be paid for new additional licences/subscriptions.
30.	Existing Systems Background	25	5. Scope of Work B. GIS SYSTEM a) General Requirements of GIS Solution MSEDCL has implemented GIS and Network Analysis as part of R-APDRP IT program for 130 towns. However it is implementing a comprehensive GIS and Network Analysis system based on open GIS standards for the whole distribution network at HT level. ii. Migration of existing R-APDRP GIS data into new enterprise GIS System.	Can you please detail out the existing open GIS solution landscape along with all the applications/module that developed in which on programming language that will be a great help while implementing/estimating the proposed of Enterprise GIS? We would like to know the existing R- APDRP GIS data how old is it and last network assets and consumer update date for 130 town.? What are the total network assets and consumer data count to migrate in upgrade platform?	Refer revised RFP
31.	Existing Systems Data Structure	26	5. Scope of Work B. GIS SYSTEM a) General Requirements of GIS It is bidder's responsibility to migrate all the existing data available in old GIS system Geo-coordinate data available in various MSEDCL existing systems.	We would like to know the GIS data format in old GIS systems what type of database and its version? Could you help us in understanding the objects/entities & volume against each scope of Master/Additional (various MSEDCL existing systems) database to be migrated?	Refer revised RFP
32.	Existing System Integration Study	27	5. Scope of Work B. GIS SYSTEM a) General Requirements of GIS Provisioning of Map services & creation of Network for entire MSEDCL areas from authorized sources for the period of 5 years. Bidder may also be required to integrate map services with other MSEDCL system.	We would like to know what is other MSEDCL system where GIS map services need to be consumed. Is it the same MSEDCL system which already integrate with existing GIS services? Also request to share the lists of services which already integrated in existing systems.	GIS Map services will be required to be integrated with MSEDCL mobile apps during contract period.
33.	Existing System Integration Approach	27	5. Scope of Work B. GIS SYSTEM a) General Requirements of GIS Integration of this enterprise GIS system with other MSEDCL Software modules and SCADA system. A New Connection module Disconnection system module and Customer care centre modules of R- APDRP shall be integrated with this GIS system. c) Integration with other systems i. The GIS Solution must be seamlessly integrated with NA Solution and other systems of MSEDCL. E.g. Load Forecasting SAP-ERP MDAS ECCS Dashboard.	Please confirm the product and it's versions details those used for integration module like SCADA New Connection Load Forecasting SAP-ERP MDAS ECCS Dashboard, etc. We would like to know all the integrations are asynchronous frequency of data sharing along with the integration methods used in existing systems (e.g. middleware is used for integration or all the integration are point to point)?	Existing systems are integrated using FTP Web services. Custom modules (NC MDAS) are developed in Java. Dashboards on HANA and BOBJ platform. Load forecasting and ECCS are proposed systems. All the existing intrgration are point to point
34.	Existing Systems SLD application	27	5. Scope of Work B. GIS SYSTEM a) General Requirements of GIS Single Line Diagram of Substation & Distribution Network should be created automatically through this GIS system.	What is the existing GIS OEM software name and it's version where Single Line Diagram of Substation & Distribution generated automatically ? In as-is systems SLD dynamically created / generated in desktop or web application in which platform?	Presently no GIS software is in use.
35.	General	27	5. Scope of Work B. GIS SYSTEM a) General Requirements of GIS MSEDCL may stipulate additional related responsibilities during the contract period.	We should quantify it what additional scope (DBA Application Development IT & Infra Data Migration Data Cleansing etc) and responsibilities needed during the contract period because this required for estimating the calculation.	Refer revised RFP. These activities are in Bidder's scope under FMS scope.

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36.	Development	27	5. Scope of Work B. GIS SYSTEM a) General Requirements of GIS Bidder shall share all the source codes & software tools with installation media & configuration details with MSEDCL from day one.	Once the development is completed the bidder will share the source code. From day one it is not possible to share the source code and can be done after Go-Live for developed application.	Refer revised RFP
37.	Mobile App Integration		5. Scope of Work B. GIS SYSTEM viii. The enterprise GIS System must be seamlessly integrated (without manual intervention) with MSEDCL Mobile apps and other servers of MSEDCL such as MDAS server LDAP server containing important attributes of GIS data.	We would like know existing MSEDCL Mobile applications development in which platform and it's version ? Mobile app integrated with how many MSEDCL systems and how many users currently use the applications.	MSEDCL has various mobile app for consumers employees developed on android and IOS platform. MSEDCL have approx 65000 employees and more than 3 cr. consumers
38.	GIS Licencing	27	5. Scope of Work B. GIS SYSTEM b) GIS Licencing Consideration: The GIS Desktop licences (for bulk Updating) shall be provided for 10 users.	10 desktop users will access application from one location or different distributed location of MSEDCL. Kindly confirm. Whether 10 desktop user hardware will be shared by MSEDCL or bidder will be procured?	Licences may be deployed in any of the MSEDCL offices across Maharashtra. Desktop will be provided by MSEDCL.
39.	GIS Licencing	27	5. Scope of Work B. GIS SYSTEM b) GIS Licencing Consideration: iii. The GIS Developer package (with similar configuration of production system) shall be provided for 4 developers. iv. The GIS Feeder Manager package (for Network Configuration e.g. N/w Tracing Feeder Manager Electric Logic) for 200 editors 10 Desktop licences and 4 developers shall be provided by the Bidder.	Developer licenses are subscription bases licenses for development phase. We would like to convey that MSEDCL do not need the developer pack of the same size as production. While the components may be same example we do not need 200 concurrent users on developer pack with 5 year to avoid extra costs. So we recommended one developer pack for one year subscription pls confirm?	Please refer revised RFP. Developer licenses for the GIS Developer package are required for 4 developers. Developer licences for GIS FM packages are required for 4 developers.
40.	Map data integration	26	5. Scope of Work; B. GIS SYSTEM a) General Requirements of GIS The GIS system should have option to load multiple maps such as Google Street Google Satellite Bing Apple maps and any other maps available with MSEDCL. User should be able to post critical/non-critical information of individual asset or network part such as damages defects emergencies obstacles Right of Way force majors routine inspection observations. Such information to be made available for work flows of other applications.	We would like know the other maps available with MSEDCL and in which format and how old is it? Other maps available with MSEDCL should geo references and projected no need for transformation please confirm? Critical/non-critical information of assets maintained in existing data model and it's features class attribute please confirm data model redesign not a scope of bidder? Could you provide those other application names and lists where these critical/non-critical assets information is to share ?	Currently no map services is available with MSEDCL. Data Model is already given in the RFP. The Data model may be changed during the contract period. It is the bidder's responsibility to redesign the data model as per the MSEDCL requirements. GIS data is to be integrated with MSEDCL/Govt Systems as per the requirements during the contract period.
41.		30	a) General Requirements of GIS xi. Migration of existing R-APDRP GIS data into new enterprise GIS System. g) Network Analysis Technical Specifications It complements the Geographic Overlay module and provides the capability to display Google™ maps and MapQuest™ Open maps as layers underneath the geographical view of electrical network model. With this option the user can locate equipment and devices on the one-line diagram using street addresses X/Y Coordinates or GPS Coordinates. Additionally the simulation results can be viewed just as if in a Google Earth™ view. The user can toggle between different online provider map formats such as Google™ maps Google™ hybrid views Google™ terrain views MapQuest™ Open street maps MapQuest™ Open satellite views MapQuest™ Open hybrid views etc.	Our understanding is that existing R-APDRP data positional accuracy will matched with google map no need for data cleansing or data re-alignment as per google map please confirm?	No Change. As per RFP during migration it is bidder's responsibility to clean data or re-alignment if required
42.	Integration	27	b) The GIS system should be well strengthened with various power system analysis applications such as Voltage regulation calculation Vidhyut Pravah application Outage Management system etc.	We would like to know that the various power system analysis applications such as Voltage regulation calculation Vidhyut Pravah application Outage Management system etc. is OEM product if so what is the product name from which OEM and what version is it. Is it desktop / web/Mobile application?	Clause deleted. Please refer revised RFP.
43.	Map Data	25	5. Scope of Work/B. GIS SYSTEM/a) General Requirements of GIS Solution/ c) i System must be capable of managing activities on detailed inbuilt dynamic information of Network Geospatial and Consumer of MSEDCL Licensed area around 3 lacs sq.km.	Need clarification on dynamic information of network changes in percentage.	The system must be capable to meet the requirements of Network changes as and when done.
44.	Map Data	25-26	5. Scope of Work/B. GIS SYSTEM/a) General Requirements of GIS Solution/v/b) It is expected that all new augmentation scheme to be prepared on line on GIS. In case of bigger schemes and network usage performance constraints facility of desktop functionalities in sync with web functionalities shall be provided at 50 locations to be defined by MSEDCL.	We understood new scheme plan for GIS editing on Web base application and it is to be provided for 50 locations or users based on their administrative network hierarchy like Zone circle division subdivision and its association with network assets already present in existing data. Please clarify.	Small changes are supposed to be updated online (web-based GIS System) whereas large changes (new Substations new town etc) are supposed to be done on GIS Desktops. Network Hierarchy is present in existing data.
45.	Scope of Work	46	5. Scope of Work/F. Variation of Scope MSEDCL will have full-undisputed discretionary rights to add or reduce the scope of work as per its requirements and Bidder will have to comply accordingly. Anytime during the contract period MSEDCL may modify its business process/workflow as per its requirements and bidder will have to comply with it without any adverse commercial implication.	We obey MSEDCL rights for addition/omission for scope of work. We would like to request whenever any modification in business process/ workflow we should be intimated prior and should provide time to exercise the impact analysis due to process/workflow changes. Any major impact basis of technical ground MSEDCL to review with Bidder on mutual understanding. Cascaded impact on execution of particular milestone and further milestone liberal time need to be provided by MSEDCL to incorporate changes in system due to amendment in work/process flow. Commercial impact to be kindly reviewed by MSEDCL if having major changes in work/process flow.	Clause deleted. Please refer revised RFP.
46.	Data Mapping	47	5. Scope of Work/H. Survey of Assets Simultaneously MSEDCL is also planning to undertake the Survey of entire electrical assets. The survey resources will carry out survey as per the approved process & collect all the attributes mentioned in Data Model (Appendix I) enclosed along with this RFP. Bidder need to ensure that all the data collected by surveyors as per the Data Model is duly reflected in to Enterprise GIS system.	Please provide clarification on below points. 1.As mentioned collected survey data of asset to migrate in Enterprises GIS System please let us know what will be day's duration cycle of receiving survey data and percentage change volume and also level of changes i.e. zone circle. section division subdivision. 2.We understood Surveyor who collect and produce survey data need to validate and get approved from utility and should be fully compatible with Data model. Then only we will reflect this approved data in Enterprise GIS System on agreed schedule which will be finalised during the SRS phase.	1. Data frequency shall be available when the GIS survey is initiated. Bidder is supposed to ensure that latest surveyed data is updated in the enterprise GIS system on regular basis during the contract period. 2. As given in RFP only MSEDCL approved data as per the data model will be uploaded.
47.	Facility Management Services	28	5. Scope of Work/B. GIS SYSTEM/Facility Management Services /Operational Support (Managed Data Services) for GIS System i. Provision of Facility Management Services (FMS) for GIS Solution for 5 years ii. Deployment of trained & Skilled manpower at MSEDCL locations for 24x7 support as per the requirements of MSEDCL.	We understood 24*7 support and maintenance for application as well as database administration (loading data in SDE after surveyor data validations SDE data compression). Respective skilled resource for application support and Database administration one each respectively available 24*7 for support. Kindly provide the manpower requirement for the FMS period. We want to know the software name and who is generating tickets for complaints what could be the support ticket raise and closer work flow.	MSEDCL requires 24x7 support for GIS System and Database administration. Bidder has to assess the number of skilled resources (onsite/offsite) as per the proposed solution to ensure uptime of the system and to meet the SLA. Bidder has to provide appropriate ticketing system.
48.	Map Data	25	5. Scope of Work/B. GIS SYSTEM/a) General Requirements of GIS Solution/i) Robust Software Application for creation representation change management of MSEDCL Electric Network Geo-referenced Network Elements Distributed Generation Points Consumer Installations and Interconnectivity in Single Line Diagram (SLD) view overlaid on Maps.	Please clarify scope of change management of MSEDCL Electric Network as below. 1.Existing system Change management work flow. 2.Volume of assets changes on daily/weekly or if any decided cycle for change management. 3.We observed 130 towns / 50 locations mentioned in this document for spread of work area. So does it mean 130 resources or 50 resource as web editor to be deployed where surveys are conducted. Please advise.	1&2. Bidder is supposed to ensure that the latest network changes are updated in the enterprise GIS system on regular basis during the contract period. 3. No. Refer to the scope of work.
49.	GIS Licencing	27	5. Scope of Work/B. GIS SYSTEM/b) GIS Licencing Consideration i. The GIS system shall be provided with 200 (concurrent) Edit license and unlimited View licenses. ii. The GIS Desktop licences (for bulk Updating) shall be provided for 10 users.	We would like to know that existing Desktop software and how many desktop users using in As-is system. Our understanding for to-be proposed system 10 Desktop licences will be provided by bidder please confirm.	1. Currently No GIS software is in use. 2. Yes. 10 Concurrent Desktop licences are required.
50.	GIS Licencing	27	5. Scope of Work/B. GIS SYSTEM/ b) GIS Licencing Consideration iv. The GIS Feeder Manager package (for Network Configuration e.g. N/w Tracing Feeder Manager Electric Logic) for 200 editors 10 Desktop licences and 4 developers shall be provided by the Bidder.	We understood 200 users are web editor users. Please confirm these are operating for 50 locations.	Concurrent web Licences are required which may be used from any of the MSEDCL offices across Maharashtra

Sno	RFP Section & Clause	Page No.	Subject/RFP Clause	Query/Request	MSEDCL Response
51.	GIS Licencing	27 35	5. Scope of Work/B. GIS SYSTEM/ b) GIS Licencing Consideration v.RDBMS databases licences (Enterprise Edition) with 16 cores (production) and 2 Cores (Development) shall be provided by the Bidder. 5. Scope of Work/D. Provision of Cloud Services/d) Network: vi. Network service should provide the Network and Application load balancer enabled for traffic routing and high availability of application with sufficient number of transactions per seconds.	Please let us know existing RDBMS software product version and its license type along with number of Cores. We have plan for HA mode application so we consider 8 core licenses in node-1 and 8 Core license node-2 for DC and DR.	Currently MSEDCL is not using any GIS software.  Please refer revised RFP.  Bidder has to provide appropriate cloud infrastructure solution for proposed solution. The details have to be submitted in the solution document. The bidder has to quote for Cloud infrastructure charges in the price bid accordingly.
52.	Existing Cloud System	35	5. Scope of Work/D. Provision of Cloud Services/e) Account and Access Management: iv. MSEDCL has existing infrastructure on AWS in separate account. It is responsibility of bidder to configure the network integration and cross account access with existing MSEDCL account to access the required resources and data. v. 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. 5. Scope of Work/D. Provision of Cloud Services/d) Network: ix. Bidder shall do all necessary network configurations to seamlessly connect with existing MSEDCL infrastructure running on AWS cloud.	This project scope to implementing of GIS Solution & NA Solution along with integration of other MSEDCL systems like GIS NA SCADA MDM Load Forecasting SAP-ERP MDAS ECCC Dashboard. Our understanding is that Above mentioned system deployed in AWS account of MSEDCL. What is current data storage and size of each existing systems like GIS NA SCADA MDM Load Forecasting SAP- ERP MDAS ECCC Dashboard? We would like to know integration of all modules (SCADA MDM NA Load Forecasting SAP-ERP MDAS ECCC Dashboard) with GIS for which how the data transfer (IN and OUT) is happening in existing system as well as frequency of data transfer.	Please refer revised RFP for details of the existing landscape.  SCADA Load forecasting and ECC are the proposed system.  To better understand the scope of work Bidder may visit MSEDCL Office (with prior appointment).
53.	Scope of work	36 35	5. Scope of Work/D. Provision of Cloud Services/ g) Backup Services: iv. Retention period of backup shall be minimum 90 days. For long term backup (retention more than 90 days) bidder has to provide archival/long term storage on cloud. 5. Scope of Work/D. Provision of Cloud Services/c) storage: iv. Storage service should support encryption of data on volumes as per industry standards.	Please let us know the existing backup/storage workflow and frequency. We would like to know the volume and storage size of each module like GIS NA SCADA MDM Load Forecasting SAP-ERP MDAS ECCC Dashboard of existing MSEDCL system.	Backup services to be provided for proposed solution only. Bidder has to estimate volume of data for backup of GIS & NA system. The backup schedules will be decided mutually by the bidder and MSEDCL.
54.	Survey Data Validation	26	5. Scope of Work/B. GIS SYSTEM/a) General Requirements of GIS Solution/v/c/ ix. Provision of Test environment for survey data validation & correction. After approving the test-data same shall be reconcile & posted in the Production (Live) System	What is current approval work flow mechanism in existing system? Is there any specific online application developed for survey data approving process or surveyor hold hard copy document to validate offline with approving authorities in the existing day to day business work flow? How many approvers for 130 towns for field data validation in AS-IS system	Currently MSEDCL is not using any GIS software.  No.  Surveyed data will be approved by MSEDCL. Bidder is supposed to upload the approved surveyed data on a regular basis during the contract period.
55.	Cloud Infrastructure	25	5 a) 6. Provision of Cloud Services for deploying GIS Solution & NA Solution from a MeitY empanelled and SQTC Audit Complaint Cloud Service Provider for 5 years.	Please share the sizing of the existing infrastructure for which we need to migrate the data. Also need clarification regarding Security aspects of the cloud infrastructure	Cloud services to be provided for proposed solution only. Bidder may visit MSEDCL office for estimated volume of existing GIS data.
56.	Scope of work	27	(b) (v) RDBMS databases licences (Enterprise Edition) with 16 cores (production) and 2 Cores (Development) shall be provided by the Bidder.	Clarity on licencing wrt to DC-DR configurations	Clause deleted. Please refer revised RFP. Bidder has to decide appropriate sizing for the database and licence requirements for the proposed solution (for production and development environment).
57.	Scope of work	34	(b) ii. Compute service should provide the instances where MSEDCL can get the option to leverage its Licenses to deploy. No other customer should share the same license and MSEDCL's security & operations should not be compromised.	What are these licenses deploy from where? On Prem to new GIS cloud or from Existing AWS cloud?	Licences are to be provided by Bidder to implement the proposed solution (on dedicated instances) as per scope of work.
58.	Scope of work	34	(b) vii. Bidder shall ensure that at any point if compute instance fails it should be automatically restart on healthy physical host.	on Prem host or bare metal host in AWS cloud? Need clarity.	No Change. As per RFP. The solution has to be deployed on Cloud infrastructure as per RFP.
59.	Cloud Storage	34	vi. Storage service should support an extremely low-cost storage service that provides durable storage with security features for data archiving and backup.	Kindly elaborate how much data has to be kept on hot warm and cold storage to arrive at an optimized storage configuration	No Change. As per RFP. It is bidder's responsibility to propose optimized storage policies.
60.	Scope of work	35	(d) i. Network service should provide creation of one or more subnets within private network with a single Classless Inter-Domain Routing (CIDR). It should be robust scalable and secured as per the enterprise industry standard.	Please elaborate Needs clarity	No Change. As per RFP
61.	Cloud Security	35	(d) iii. Network service should provide the instance level firewall to allow and deny specific traffic to the application.	Any specific make or can use any make of firewall. Concern: Compatibility with the existing infra on AWS Please clarify	No Change. As per RFP
62.	Cloud Network	35	ix. Bidder shall do all necessary network configurations to seamlessly connect with existing MSEDCL infrastructure running on AWS cloud.	Can we use any other MeitY empanelled CSP? Please clarify the requirement.	No Change. As per RFP
63.	Scope of work	35	v. Bidder shall provide the public ip addresses as per requirement of MSEDCL.	what is expected usage and qty?	No Change. As per RFP. Bidder has to provide Public IP addresses as per the requirements of MSEDCL for the proposed solution.
64.	Scope of work	35	viii. Network service should have dashboard for network problem identification and monitoring the issues.	Please elaborate the requirement.	No Change. As per RFP
65.	Scope of work	36	vi. Fallback scenario: The proposed solution should ensure fallback to original DC and should take care of replication of only delta (changed data after failover) from DR to DC. This needs to be confirmed by the Bidder.	Please elaborate the requirement.	Please refer revised RFP
66.	Scope of work	36	viii. Bidder should provide the portal or console to ensure the data replication and monitoring the proposed cloud DR.	Please clarify the requirement.	No Change. As per RFP
67.	Scope of work	36	iv. Retention period of backup shall be minimum 90 days. For long term backup (retention more than 90 days) bidder has to provide archival/long term storage on cloud.	What does long term storage means?	Long-term storage means storage required for retention of backup during the entire contract period.
68.	IT Cloud	71	39. ANNEXURE A- CHECKLIST 13. Manufacturer's Authorization Form (to be obtained from all OEMs)	MAF is not provided from CSP's please clarify.	MAF is required from all proposed product OEMs.
69.	C - Qualification Criteria for OEM of GIS Solution	20	C - Qualification Criteria for OEM of GIS Solution The proposed GIS Solution should be successfully deployed and should be operational in at least 3 Power Utilities in India in past 7 years	GIS implementation for power utilities in India has not been moving in full pace due to various reasons which include government budgets / global pandemics etc. Only few OEMs have implemented some projects in the last 7 years. There are other GIS OEMs who have implemented projects globally having rich experience who are ready to offer their state-of-the-art solutions for this opportunity. In view of this we request to amend this clause for "OEM's similar solution is supplied in at least 2 Power Utilities in India / anywhere in the globe" may kindly be considered.	Accepted. Please refer revised Clause in RFP.
70.	General Requirements of GIS Solution	25	5 B a) General Requirements of GIS Solution MSEDCL has implemented GIS and Network Analysis as part of R-APDRP IT program for 130 Towns	Please provide information about the GIS platform being used currently by MSEDCL.	Currently we are not using any GIS software.
71.	Scope of work	25	5 B a) iv) General Requirements of GIS Solution In case of Supply Off incidents Faults Planned outages System should be able to indicate give affected portions of network based on multiple inputs from MDAS SCADA DMS CRM CCC in real-time view. The system should be able to trigger SOPs based on the incidents recorded.	We understand that the required interoperable Industry Standard APIs will be provided for integration with the mentioned systems. Kindly confirm.	Integration with MSEDCL systems will be done through APIs & Webservices.
72.	Scope of work	26	5 - Scope of Work – v- point -c It is bidder's responsibility to migrate all the existing data available in old GIS system Geo-coordinate data available in various MSEDCL existing systems.	Please provide details of the existing data like its format volume database used any other data etc	Please refer revised RFP.
73.	Scope of work	26	5 - Scope of Work – iii Provision of enterprise GIS system & Hardware to handle a maximum of 300 concurrent users.	We understand that the total number of concurrent users for desktop web and mobile together would be 300. Please confirm.	YES

Sno	RFP Section & Clause	Page No.	Subject/RFP Clause	Query/Request	MSEDCL Response
74.	Scope of work	26	5 - Scope of Work – viii The enterprise GIS System must be seamlessly integrated (without manual intervention) with MSEDCL Mobile apps and other servers of MSEDCL such as MDAS server LDAP server containing important attributes of GIS data	Please provide details about the MSEDCL mobile App like Operating System Architecture etc. We understand that for integration with other systems mentioned interoperable Industry Standard APIs will be provided. Please confirm.	Please refer revised RFP.
75.	Scope of work	27	5 - Scope of Work – x Provisioning of Map services & creation of Network for entire MSEDCL areas from authorized sources for the period of 5 years. Bidder may also be required to integrate map services with other MSEDCL system.	We understand that the data from other MSEDCL system will be provided in interoperable Industry Standard Geospatial format or OGC Services. Kindly confirm.	As per RFP Bidder has to provide map services.
76.	Scope of work	27	5 - Scope of Work – xi Migration of existing R-ADPRP GIS data into new enterprise GIS System	Please provide details of the existing GIS system data format volume database used any other associated data for migration etc	Please refer revised RFP.
77.	Scope of work	27	5 - Scope of Work – xii Integration of this enterprise GIS system with other MSEDCL Software modules and SCADA system	We understand that the required interoperable Industry Standard APIs will be provided for integration with the mentioned systems. Kindly confirm.	Integration with MSEDCL systems will be done through APIs & Webservices.
78.	Scope of work	27	5 - Scope of Work – xiv A New Connection module Disconnection system module and Customer care center modules of R-ADPRP shall be integrated with this GIS system.	We understand that the required interoperable Industry Standard APIs will be provided for integration with the mentioned systems. Kindly confirm.	Integration with MSEDCL systems will be done through APIs & Webservices.
79.	Scope of work	27	5 - Scope of Work – xvi The GIS system should be well strengthened with various power system analysis applications such as Voltage regulation calculation Vidhyut Pravah application Outage Management system etc.	Are these applications already existing with MSEDCL? Please clarify.	Clause deleted. Please refer revised RFP.
80.	Scope of work	27	5 - Scope of Work – xxv The Enterprise GIS Solution (incl. Hardware & Software) provided by the Bidder must meet the System Response time of less than 2 seconds for View operations & 10 seconds for Query/Trace operations.	View performance (response time) will depend upon many factors like server configuration Data Size Network bandwidth and architecture Number of concurrent users etc. So it is not feasible to define the response time since it has above dependencies and need to be evaluated during SRS stage. Kindly Consider.	No Change. As per RFP. Bidder has to propose appropriate sizing for cloud infrastructure and networking to meet the requirements as per RFP.
81.	Scope of work	28	d) Integration with other systems The GIS Solution must be seamlessly integrated with NA Solution and other systems of MSEDCL. Eg. Load Forecasting SAP-ERP MDAS ECCC Dashboard.	Please provide details about existing systems like Load Forecasting SAP-ERP MDAS ECCC Dashboard etc for understanding the complete integration scope	Please refer revised RFP.
82.	NA Licencing Consideration	Page 29 of 108	C – Network Analysis b) NA Licencing Consideration	Online Google map modules License Qty will not be sufficient for 25 concurrent users. It shall be 25 nos for smooth operations. Please confirm.	Bidder has to provide an appropriate Google Map subscription for 5 years.
83.	g) Network Analysis Technical Specifications	Page 30/31 of 108	C – Network Analysis b) NA Licencing Consideration	The modules mentioned in technical specification as per point g) are not mentioned as part of b) NA Licencing consideration. The quotation will include all the modules as per Point g) NA technical specifications. Please confirm.	Bidder has to provide licences as per Clause b) NA Licencing consideration.
84.	a) General Requirements of NA Solution	Page 28 of 108	C – Network Analysis b) NA Licencing Consideration	Point no (iii) It is desired that Network analysis solution on Web & Mobile App. This is not off the shelf product & point (b) NA Licencing Consideration BOQ do not mention this requirement. Quotation / price for this requirement will also be added in bid Separately. Please confirm.	Bidder may add separate line items for additional licences required for the proposed solution. Refer revised RFP.
85.	c) Integration with other systems	Page 30 of 108	C – Network Analysis b) NA Licencing Consideration	Requirement for interface with other many system is desired in point ( c ). However as per Point (b) NA Licencing Consideration interface with GIS & MDAS will be quoted in this bid. Please confirm.	Bidder may add separate line items for additional connectors required for the proposed solution. Refer to revised RFP.
86.	Deployment of Trained Manpower @MSEDCL	Page 30 of 108	e) Facility Management Services/Operational Support for NA Solution	We would request to provide the No of locations where the Manpower needed for price estimation of Manpower for FMS Services.	Bidder has to provide manpower (onsite/offsite) at the Corporate Office location.
87.	LAN/WAN	Page 30 of 108	C – Network Analysis b) NA Licencing Consideration	It is presumed that all the users machines are connected in network and will have access to main server so that License suitable 25 concurrent users for network operation will be supplied. No individual node lock user license will be provided. Please advise/confirm.	YES
88.	Scope Work	29	5.C.b.12 TechGration-ArcGIS; Interface between CYMDIST 9.X and the latest version of ArcGIS software TechGration-MDAS; Interface between CYMDIST9.X and Energy Meters Data Acq System(MDAS)	Interface between CYMDIST 9.X required Kindly provide details. This is since the scope under this RFP covers supply of Enterprise NA licenses which we understand will be integrated with proposed GIS & MDAS system.	Please Refer Revised RFP
89.	Scope Work	25	5.A. 2. Implementation of Enterprise Network Analysis solution for MSEDCL with 1-year warranty and 4 years of Annual Technical Support (ATS) from OEM.	Does Enterprise License to be provided for Time bond License or Perpetual License (Permanent License)	Perpetual Licences are required.
90.	Scope Work	30	5.C.e.i e) Facility Management Services/Operational Support for NA Solution i. Provision of Facility Management Services (FMS) for NA Solution for 5 years	Kindly elaborate more on "Facility Management services" is it something related to centralized platform where queries can be raised. Kindly confirm	Bidder has to provide appropriate ticketing system.
<b>Bidder 3</b>					
91.	Sl. 05 of clause 3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder)	Page 15 of 108	Bidder shall have experience in implementation of enterprise GIS application. Above experience should be during the last 7 years since date of publishing of this tender as below : i. Experience in single project costing not less than the amount equal to Rs. 15.70 Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. 9.80 Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. 7.85 Crores (without taxes) Note : 1. For the above experience completed projects and ongoing projects whose go-live declared before date of publishing this tender shall be considered. 2. If the project mentioned in the experience is executed by JV/Consortium where bidder is one of the JV partner/consortium member the role of bidder in the project should be clearly mentioned along with value of contract pertaining to bidder's role in the project. In support of this bidder has to submit a copy of agreement or client certificate. 3. Projects done for in-house use of parent company associate companies (with common stakeholders) would not be considered. However projects done for external customer(s) by parent company or fully owned subsidiaries would be considered. 4. At least one of the projects in above experience should be for implementation of proposed OEM solution.	Kindly modify the clause as below: Bidder shall have experience in implementation of <b>enterprise</b> GIS application. Above experience should be during the last 7 years since date of publishing of this tender as below : i. Experience in single project costing not less than the amount equal to Rs. <b>15.70-5</b> Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. <b>9.80-3</b> Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. <b>7.85 2</b> Crores (without taxes) Note : 1. For the above experience completed projects and ongoing projects <b>(in ongoing projects the above required scope should be completed) whose go-live declared before date of publishing this tender</b> shall be considered. <b>2.If the project mentioned in the experience is executed by JV/Consortium where bidder is one of the JV partner/consortium member the role of bidder in the project should be clearly mentioned along with value of contract pertaining to bidder's role in the project. In support of this bidder has to submit a copy of agreement or client certificate.</b> 3. Projects done for in-house use of parent company associate companies (with common stakeholders) would not be considered. However projects done for external customer(s) by parent company or fully owned subsidiaries would be <b>considered.</b> <b>4. At least one of the projects in above experience should be for implementation of proposed OEM solution.</b>	Refer revised RFP. Note(4) in QR no. 5 deleted.
92.	Sl. 05 and 06 of clause 3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder)	Page 16 of 108	Documentary evidence such as LOA/PO/WO or work completion certificates from clients preferably with contact details of clients. The references should indicate client name scope of work project start date and date of completion in all respect. In case of consortium any one of the Consortium member should meet the requirement.	Kindly modify the clause as below: Documentary evidence such as LOA/PO/WO <b>or</b> work completion certificates / <b>On-going certificaee clearly stating the required activity has completed from clients</b> preferably with contact details of clients. The references should indicate client name scope of work project start date and date of completion in all respect. In case of consortium any one of the Consortium member should meet the requirement.	Refer revised RFP.

Sno	RFP Section & Clause	Page No.	Subject/RFP Clause	Query/Request	MSEDCL Response
93	Sl. 06 of clause 3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder)	Page 16 of 108	Bidder shall have experience of implementation of enterprise Network Analysis solution. Above experience should be during the last 7 years since date of publishing of this tender as below : iv. Experience in single project costing not less than the amount equal to Rs. 18 Crs (without taxes) OR v. Experience in two projects each costing not less than the amount equal to Rs. 11.30 Crores (without taxes) OR vi. Experience in three projects each costing not less than the amount equal to Rs. 9 Crores (without taxes) Note : 1. For above experience completed projects and ongoing projects whose go-live declared before date of publishing this tender shall be considered. 2. If the project mentioned in the experience is executed by JV/Consortium where bidder is one of the JV partner/consortium member the role of bidder in the project should be clearly mentioned along with value of contract pertaining to bidder's role in the project. In support of this bidder has to submit a copy of agreement or client certificate. 3. Projects done for in-house use of parent company associate companies (with common stakeholders) would not be considered. However projects done for external customer(s) by parent company or fully owned subsidiaries would be considered.	Kindly change the clause as below: Bidder shall have experience of implementation of enterprise Network Analysis solution / <b>Data Management</b> . Above experience should be during the last 7 years since date of publishing of this tender as below : iv. Experience in single project costing not less than the amount equal to Rs. 18 Crs (without taxes <b>project value</b> ) OR v. Experience in two projects each costing not less than the amount equal to Rs. 11.30 Crores (without taxes <b>project value</b> ) OR vi. Experience in three projects each costing not less than the amount equal to Rs. 9 Crores (without taxes <b>project value</b> ) Note : 1. For the above experience completed projects and ongoing projects <b>(in ongoing projects the above required scope should be completed) whose go-live declared before date of publishing this tender shall be considered.</b> <b>2.-If the project mentioned in the experience is executed by JV/Consortium where bidder is one of the JV partner/consortium member the role of bidder in the project should be clearly mentioned along with value of contract pertaining to bidder's role in the project. In support of this bidder has to submit a copy of agreement or client certificate.</b> 3. Projects done for in-house use of parent company associate companies (with common stakeholders) would not be considered. However projects done for external customer(s) by parent company or fully owned subsidiaries would be considered. <b>4.-At least one of the projects in above experience should be for implementation of proposed OEM solution.</b>	Refer revised RFP. Note(4) in QR no. 5 deleted.
94	Sl. 07 of clause 3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder)	Page 16 of 108	Bidder shall have implemented at least 5 projects of Network Analysis in power sector in India comprising of modules as below – - Network planning - Network configuration optimization - Substation modelling - Load flow - Contingency analysis - Reliability analysis Out of such 5 projects minimum 3 projects should be with GIS integration. At least one of such projects should be for implementation of proposed OEM solution. Note : 1. For above experience completed projects and ongoing projects whose go-live declared before date of publishing this tender shall be considered. 2. If the project mentioned in the experience is executed by JV/Consortium where bidder is one of the JV partner/consortium member the role of bidder in the project should be clearly mentioned along with value of contract pertaining to bidder's role in the project. In support of this bidder has to submit a copy of agreement or client certificate. 3. Projects done for in-house use of parent company associate companies (with common stakeholders) would not be considered. However projects done for external customer(s) by parent company or fully owned subsidiaries would be considered.	Kindly delete this clause.	Refer revised RFP.
95	22. CONTRACT PERFORMANCE SECU	Page 64 of 108	The Bidder shall provide to the MSEDCL within ten (10) days of issue of Letter of Award the contract performance guarantee the sum of 10% (ten percent) of total contract price for the due performance of the contract. This guarantee shall be valid till the expiry of 180 days after completion of Contract period.	As per the recent Notification No. F.9/4/42020-PPD from the Ministry of Finance we request you to kindly limit the Performance Bank Guarantee to 3% of contract value.	Refer revised RFP.
96	40. ANNEXURE B – Bid Proposal	Page 73 of 108	CONTRACT PERFORMANCE SECURITY: We confirm that the performance of our services to be provided is fully guaranteed. The guarantee declaration of such parameters and characteristics are enclosed in our offer. If any defects develop due to services provided by us within the contract period which can be attributable to improper design negligence etc. we shall rectify the same by us without any additional cost to you. Towards this and for abiding by your terms and conditions we will furnish a contract performance security bond for a value of 10% of the contract price after the receipt of the letter of intent accepting the bid.		Refer revised RFP.
97	39. ANNEXURE C – BID SECURITY BID	Page 74 of 108	The <<< insert name of bank>> (hereby agree unequivocally and unconditionally to pay at Mumbai within 48 hours on demand in writing from the MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD. or any Officer authorized by it in this behalf of any amount upto and not exceeding Rs. _____ (Rupees _____ only) to the said MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.	Kindly modify the clause as below: The <<< insert name of bank>> (hereby agree unequivocally and unconditionally to pay at Mumbai <b>within 48 hours</b> on demand in writing from the MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD. or any Officer authorized by it in this behalf of any amount upto and not exceeding Rs. _____ (Rupees _____ only) to the said MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.	Please refer revised RFP.
98	Sl. 7 of 2. Bid Data Sheet	Page 12 of 108	Bid Security/ Earnest Money Deposit (EMD)	Kindly provide your Bank details for preparation of EMD	Bank details will be provided separately through e-mail Please write a request to gisna@mahadiscom.in
99	Sl. 15 of 2. Bid Data Sheet	Page 13 of 108	<b>Bid Validity</b> Proposals must remain valid up to <b>180 (One Hundred &amp; Eighty) days</b> from the last date of submission of the Bids.	We observed that there is a contradiction in the Bid validity. Request you to kindly confirm the Bid validity is 90 days or 180 days?	Refer Revised RFP. Bid validity should be for 180 Days. Typographical Mistake
100	40. ANNEXURE B – Bid Proposal	Page 72 of 108	<b>BID VALIDITY:</b> We confirm that all the terms and conditions and price of this proposal are valid for acceptance for a period of <b>90 days</b> from the date of opening bid i.e upto _____		Refer Revised RFP. Bid validity should be for 180 Days. Typographical Mistake
101	46. ANNEXURE-J – TECHNICAL PROPOSAL	Page 84 of 108	We agree to keep this bid open for acceptance for a period of <b>90 days</b> from the date of opening thereof and also agree not to make any modification in the terms and conditions on our own accord. We further agree to sign an Agreement to abide by the Conditions of Contract and carry out all works according to specific clauses.		Refer Revised RFP. Bid validity should be for 180 Days. Typographical Mistake
102	ANNEXURE E – KEY PARTICULARS	Page 78 of 108	Power of Attorney for signing the Contract Document and Official Communication	We understand that bidder can use their own format for Power of Attorney.	Power of attorney duly notarized on appropriate stamp paper indicating that the person(s) signing the bid has/ve the authority to sign the bid and thus that the bid is binding upon the Bidder during the full period of its validity.
103	H. Survey of Assets	47	Simultaneously MSEDCL is also planning to undertake the Survey of entire electrical assets. The survey resources will carry out survey as per the approved process & collect all the attributes mentioned in Data Model (Appendix I) enclosed along with this RFP. Bidder need to ensure that all the data collected by surveyors as per the Data Model is duly reflected in to Enterprise GIS system.	Please confirm that the bidder is not required to do the survey or the validations of the survey as this is not part of the scope of the bidder	No Change. As per RFP. Survey is not part of bidder scope. Necessary validations to reflect data in Enterprise System is in Bidder scope
104	K. Milestones and Timelines:	47	Deployment - One Month from LoA Roll Out Data Migration and GO LIVE - Three Months from LoA Start of Managed Services for 60 Months - Four Months from LoA	<b>Request you to kindly change the timelines as follows:</b> Deployment - <del>One</del> Two Month from LoA Roll Out Data Migration and GO LIVE - <del>Three</del> Four Months from LoA Start of Managed Services for 60 Months - <del>Four</del> Five Months from LoA	Refer revised clause in RFP.

Sno	RFP Section & Clause	Page No.	Subject/RFP Clause	Query/Request	MSEDCL Response
105	b. Suspension	51	The MSEDCL may by written notice of suspension to the Bidder suspend all payment to the Bidder hereunder if the Bidder fails to perform any of their obligations under this contract including the carrying out of the services provided that such notice of suspension (i) shall specify the nature of the failure and (ii) shall request the Bidder to remedy such failures within a period of not exceeding 30 days after receipts by the Bidder of such notice of suspension.	Kindly confirm the bidder will get his due payment for the work completed on suspension	No Change. As per RFP.
106	c. Termination	51	i. By the Owner [MSEDCL] ii. By the Selected Bidder iii. Termination for Insolvency iv. Termination for Convenience	Kindly confirm the bidder will get his due payment for the work completed on Termination	No Change. As per RFP.
107	POLICY & PROCEDURE FOR DEBARRING OF AGENCY FROM BUSINESS DEALINGS WITH MSEDCL	95	POLICY & PROCEDURE FOR DEBARRING OF AGENCY FROM BUSINESS DEALINGS WITH MSEDCL	Kindly delete the debarment clause as this has a wider implication on the bidder for other multi lateral funded projects across the country	No Change. As per RFP.
108	iii. Service Level Agreement (SLA)	55	The Contract will be monitored regularly by the MSEDCL as per the Service Level Agreement (SLA) executed between MSEDCL and the services provider.	Kindly confirm that the maximum SLA deduction would be 5% of the FMS charges	Refer revised RFP.
109	29. TERMS OF PAYMENT	67	Software Licenses Cost 80% of respective product cost to be paid after successful Go-Live of respective solution as per the Specifications 20% of respective product cost to be paid after Stabilization acceptance by MSEDCL	Software Licenses Cost 80% of respective product cost to be paid after <b>successful Go-Live-Delivery of licenses</b> of respective solution as per the Specifications 20% of respective product cost to be paid after <b>Stabilization-Go Live</b> acceptance by MSEDCL	No Change. As per RFP
110	29. TERMS OF PAYMENT	67	80% to be paid after Enterprise-wide Go-Live of all systems. 20% to be paid after Stabilization acceptance by MSEDCL post one month of Go-live	80% to be paid after <b>Enterprise-wide Go-Live- Installation of software of all</b> systems. 20% to be paid after Stabilization acceptance by MSEDCL post one month of Go-live	No Change. As per RFP
111	K. Milestones and Timelines:	47	Roll Out Data Migration and GO LIVE - Three Months from LoA	<b>Kindly request you to include the clear definition and requirement of GO LIVE for clarity.</b>	Refer revised RFP.
112	LIQUIDATED DAMA	68	In case of delay in the deliverables (milestones) within the period stipulated in the agreement or any loss caused to the MSEDCL due to non-performance of the services as per the contract the Bidder is liable to pay liquidated damages up to 0.5 % per week or part of week on the price subject to a maximum ceiling of 10% reckoned on the total contract value. Penalty for Liquidated Damages (LD) shall be at the full discretion of the competent authority of the MSEDCL. Due consideration may be given in levy of liquidated damages for reason absolutely beyond the control of the services provider for which documentary evidence shall be produced to the satisfaction of the competent authority of MSEDCL. The decision of the MSEDCL will be final.	Kindly levy LD on the Undelivered scope of work In case of delay in the deliverables (milestones) within the period stipulated in the agreement or any loss caused to the MSEDCL due to non-performance of the services as per the contract the Bidder is liable to pay liquidated damages up to 0.5 % per week or part of week on the price subject to a maximum ceiling of 10% reckoned on the <b>total contract value. Undelivered scope of work</b> . Penalty for Liquidated Damages (LD) shall be at the full discretion of the competent authority of the MSEDCL. Due consideration may be given in levy of liquidated damages for reason absolutely beyond the control of the services provider for which documentary evidence shall be produced to the satisfaction of the competent authority of MSEDCL. The decision of the MSEDCL will be final.	No Change. As per RFP
113	B. GIS SYSTEM;	25	B. GIS SYSTEM; a) General Requirements of GIS Solution MSEDCL has implemented GIS and Network Analysis as part of R-APDRP IT program for 130 towns. However it is implementing a comprehensive GIS and Network Analysis system based on open GIS standards for the whole distribution network at HT level. The purpose is to maintain the electrical network network planning and analysis of network parameters.	1- As it is mentioned as the GIS & NA are implemented pls share the information of the platform like make model ATC information. 2- Can the SI upgrade the existing GIS system as part of the solution.	Currently MSEDCL is not using any GIS software. However GIS was used in the past and Geo coordinate data of consumers assets is regularly collected through mobile apps. Refer revised RFP.
114	B. GIS SYSTEM;	25	B. GIS SYSTEM; a) General Requirements of GIS Solution v. b. It is expected that all new augmentation scheme to be prepared on line on GIS. In case of bigger schemes and network usage performance constraints <b>facility of desktop functionalities in sync with web functionalities shall be provided at 50 locations</b> to be defined by MSEDCL.	1- There are technical limitations were only few desktop functionalities can be sync to the web function. 2- The ask is to sync web function the web users are not limited to the specific location. A user group can be created to enable this specific functions. Request to validate the clause.	Desktop functionality is to be provided at 50 locations as per MSEDCL requirement and same is to be synced with web functionality.
115	B. GIS SYSTEM;	26	B. GIS SYSTEM; a) General Requirements of GIS Solution v. c. It is bidder's responsibility to migrate all the existing data available in old GIS system Geo-coordinate data available in various MSEDCL existing systems.	Pls share the information on the existing data like 1- Type of Geometry features present in the data store. 2- It is assumed as the network data is updated till date. 3- It is assumed as SI scope is limited to data migration SI will not perform any data correction in the existing data. 4- RDBMS used to store the data. 5- Size of the DB. 6- Buyer will be responsible for the data quality.	Currently MSEDCL is not using any GIS software. However GIS was used in the past and Geo coordinate data of consumers assets is regularly collected through mobile apps. This existing data collected till date has to be migrated. Refer revised RFP.
116	B. GIS SYSTEM;	26	The Enterprise GIS system should support following functionalities	It is assumed as existing distribution system assets are available in the defined data model which is to be migrated.	No change. As per RFP
117	B. GIS SYSTEM;	26	The Enterprise GIS system should support following functionalities vi. The GIS system should have option to load multiple maps such as Google Street Google Satellite Bing Apple maps and any other maps available with MSEDCL.	1- Apple maps are not available for India geography more over it works in ios. Request to revisit the clause. 2- It is assumed as the maps available with MSEDCL are in OGC format.	1. The GIS system proposed by bidder should support standard map services available in India. Apple map services quoted as an example. 2. Currently no map services is available with MSEDCL.
118	B. GIS SYSTEM;	26	vii. The GIS system shall have a provision to display real time data (available with utility database) of several distribution equipment such Feeder loading DT loading etc.	Please share more information on the utility database make & model of the DB platform size of the DB.	Refer revised RFP
119	B. GIS SYSTEM;	26	viii. The enterprise GIS System must be seamlessly integrated (without manual intervention) with MSEDCL Mobile apps and other servers of MSEDCL such as MDAS server LDAP server containing important attributes of GIS data.	Integration with other system are one time activity which requires customization. This clause can be addressed during the requirement gathering phase.	Yes
120	B. GIS SYSTEM;	27	x. Provisioning of Map services & creation of Network for entire MSEDCL areas from authorized sources for the period of 5 years. Bidder may also be required to integrate map services with other MSEDCL system.	It is understood as MSEDCL will create the network for the boundary for the period of 5 years. Network creation will be out of SI scope. Pls confirm.	Refer revised RFP for detail scope of works during FMS
121	B. GIS SYSTEM;	27	xii. Integration of this enterprise GIS system with other MSEDCL Software modules and SCADA system.	1- Pls list out the other MSEDCL software modules to be integrated make & model of the SCADA system. 2- It is assumed as SI scope is limited to expose the GIS API for other system integration.	1. Bidder may visit MSEDCL office for more details 2. Integration will be joint responsibility of SI and MSEDCL application team.
122	B. GIS SYSTEM;	27	xiii. The GIS system and the corresponding database shall be hosted from separate dedicated servers.	Cloud hosting is asked for in the scope. Where as a separate dedicated servers are defined in the clause. Pls clarify.	No Change. As per RFP. In cloud hosting database and GIS system software should be on separate instances.
123	B. GIS SYSTEM;	27	xiv. A New Connection module Disconnection system module and Customer care center modules of R-APDRP shall be integrated with this GIS system.	Pls share the functional requirements expected out of this integration.	The functional requirements will be finalized during implementation phase.
124	B. GIS SYSTEM;	27	xviii. Providing Software Support services & managed data services for the period of 5 years.	Pls share the Scope of managed data services.	Refer revised RFP
125	B. GIS SYSTEM;	27	xix. MSEDCL may stipulate additional related responsibilities during the contract period.	Will the SI eligible to raise the CR - Change request with effort cost.	Yes. Please refer RFP.
126	B. GIS SYSTEM;	27	xxi. Bidder also needs to provide application server and database server for MSEDCL's cloud solution.	Is this clause refers to the GIS solution. Else pls brief the cloud solution.	No Change. As per RFP. Bidder should provide cloud infrastructure for deployment of proposed solution as per scope of works.
127	B. GIS SYSTEM;	27	xxiv. Bidder shall share all the source codes & software tools with installation media & configuration details with MSEDCL from day one.	This may have challenge in case of COTS product. Source code can be shared only for the customization requirement only.	Yes. Source code of incremental customizations done during the contract period and installable media/links of latest COTS products to be shared after Go-Live
128	B. GIS SYSTEM;	27	xxv. The Enterprise GIS Solution (incl. Hardware & Software) provided by the Bidder must meet the System Response time of less than 2 seconds for View operations & 10 seconds for Query/Trace operations.	The response time depends on the end user communication network also. The hardware can be factored to meet the response.	Bidder has to propose appropriate sizing and network infrastructure for the solution proposed to meet the RFP requirement.

Sno	RFP Section & Clause	Page No.	Subject/RFP Clause	Query/Request	MSEDCL Response
129	B. GIS SYSTEM;	27	b) GIS Licencing Consideration: i. The GIS system shall be provided with 200 (concurrent) Edit license and unlimited View licenses.	It is assumed as the 200 concurrent license is expected for the web users.	Yes
130	B. GIS SYSTEM;	28	c) Integration with other systems i. The GIS Solution must be seamlessly integrated with NA Solution and other systems of MSEDCL. Eg. Load Forecasting SAP-ERP MDAS ECCC Dashboard.	Pls provide number of systems to be integrated.	Refer existing system details in revised RFP.
131	B. GIS SYSTEM;	28	e) Facility Management Services /Operational Support (Managed Data Services) for GIS System ii. Deployment of trained & Skilled manpower at MSEDCL locations for 24x7 support as per the requirements of MSEDCL.	Please specify the manpower required at site to be deployed by the bidder	MSEDCL requires 24x7 support for GIS System and Database administration. Bidder has to assess the number of skilled resources (onsite/offsite) as per the proposed solution to ensure uptime of the system and to meet the SLA.
132	GIS Solution Trainin	28	f) GIS Solution Training i. Comprehensive GIS product and GIS Application training to at least 200 MSEDCL Employees.	Training at multiple location or single location pls confirm the location.	Training at single location to be given in multiple batches mutually decided by bidder and MSEDCL.
133	Licencing Consider	29	b) NA Licencing Consideration: Map Annual Subscription of Google Online Map Quantity 5	1- Which are the Google API services are expected for annual subscription. Various API like Dynamic Maps Static Maps Roads - Nearest Road Directions etc. Quantity 5 is assumed as 5 years of duration.	No Change. As per RFP. The bidder should provide required licences / subscriptions for the period of five years.
134	g) Network Analysis Technical Specifications	31	g) Network Analysis Technical Specifications 4. 1 Year Subscription of Google Online Map	In the license consideration page-29 the requirement is mentioned as 5 years where as in this clause 1 year subscription is captured. Pls clarify the requirement.	Refer Revised RFP. Typographical Mistake
135	F. Variation of Scope	46	MSEDCL will have full-undisputed discretionary rights to add or reduce the scope of work as per its requirements and Bidder will have to comply accordingly. Anytime during the contract period MSEDCL may modify its business process/workflow as per its requirements and bidder will have to comply with it without any adverse commercial implication.	Please confirm that any addition and reduction in scope shall be based on the acceptance of the bidder. Unilateral change in quantities is unfair practice. Any business. Work flow changes shall be as per change request process.	Clause deleted. Please refer revised RFP.
136	G. Inputs	46	G. Inputs Since the Asset Survey is proposed to be implemented progressively in the field many challenges/change management (like addition/reduction of work-steps area of interest etc.) may come up. Therefore MSEDCL may require redefining the above approved workflow as per its changing requirement. The bidder will have to operate unquestionably in accordance with these changes.	Please confirm that any changes in the work flow or addition and reduction in step will be a change request to the bidder.	Refer revised RFP for change request management.
137	H. Survey of Assets	47	H. Survey of Assets Simultaneously MSEDCL is also planning to undertake the Survey of entire electrical assets. The survey resources will carry out survey as per the approved process & collect all the attributes mentioned in Data Model (Appendix I) enclosed along with this RFP. Bidder need to ensure that all the data collected by surveyors as per the Data Model is duly reflected in to Enterprise GIS system.	1- Pls quantify the number of network elements to be surveyed linear length in KM's Geographical area to be surveyed. 2- It is assumed as buyer will perform the survey of assets.	Survey of assets is not in bidders scope. However bidder has to ensure regular upload of available survey data after validation and approval of MSEDCL.
138	J. Miscellaneous Points	47	J. Miscellaneous Points i. MSEDCL has full undisputed discretionary rights to add/reduce the Scope of work.	Kindly restrict the variation to +/- 10% of overall contract value.	Clause deleted. Please refer revised RFP.
139	J. Miscellaneous Points	47	J. Miscellaneous Points iv. The EDSMS provided by the Bidder must meet the System Response time of less than 10 seconds for View operations & 20 seconds for Query/Trace operations.	In Page 27 in clause B. GIS SYSTEM xxv the system response time & view operations are defined as 2 seconds & 10 seconds. Whereas in this clause different parameters are defined to adhere. Pls clarify the parameter bidder to adhere.	Refer revised RFP.
140	K. Milestones and Timelines:	47	K. Milestones and Timelines:	Deployment Rollout data migration & Go live time line is very aggressive. Request to revisit the timeline.	Refer revised RFP
141	40. ANNEXURE D - SCHEDULE OF PRICE BID	76	40. ANNEXURE D - SCHEDULE OF PRICE BID Note: iv. If Enterprise version of software is available same must be quoted. If Open source software is proposed such software should be provided with enterprise support.	In C. Qualification Criteria for OEM of GIS Solution page 20 It is mentioned as "The GIS solution must be Commercial off The Shelf (COTS) platform" whereas in the Annexure D option of open source is provided. Can the SI propose Open source solution pls confirm.	Yes

Sno	RFP Section & Clause	Page No.	Subject/RFP Clause	Query/Request	MSEDCL Response
142	40. ANNEXURE D - SCHEDULE OF PRICE BID	76	40. ANNEXURE D - SCHEDULE OF PRICE BID	In the price schedule workstation requirements are not defined. It is assumed as supply of workstation is out of SI scope.	Yes
143	5. Scope of Work	25	3. Integration of GIS Solution & NA Solution with each other and other systems of MSEDCL. Eg. Load Forecasting SAP-ERP MDAS ECCS Dashboard.	Details of all existing systems at MSEDCL Make model Version Data frequencies data structure Architecture to be provided.	Refer revised RFP.
144	B. GIS SYSTEM	25	iv. In case of Supply Off Incidents Faults Planned outages System should be able to indicate give affected portions of network based on multiple inputs from MDAS SCADA DMS CRM CCC in real-time view. The system should be able to trigger SOPs based on the incidents recorded.	Details of all existing systems at MSEDCL Make model Version Data frequencies data structure Architecture to be provided	Refer revised RFP.
145	B. GIS SYSTEM	26	x. Provisioning of Map services & creation of Network for entire MSEDCL areas from authorized sources for the period of 5 years. Bidder may also be required to integrate map services with other MSEDCL system	What are the other MSEDCL systems talked about here. Please specify clearly	Refer revised RFP.
146	ovsion of Cloud Ser	34	D. Provsion of Cloud Services b) Compute: vi. Compute service must allow resizing of resources such as vCPU Memory Storage Network IOPS etc. at any point of time.	How the resizing of cloud services is measured and achieved. Request to provide some usecases.	No Change. As per RFP. Bidder has to propose appropriate sizing for the proposed solution to meet the RFP requirements.
147	ovsion of Cloud Ser	34	D. Provsion of Cloud Services b) Compute: vii. Bidder shall ensure that at any point if compute instance fails it should be automatically restart on healthy physical host.	The requirement is not clear need more information.	Bidder should provision High Availability Compute services on Cloud.
148	ovsion of Cloud Ser	36	D. Provsion of Cloud Services b) Compute: iv. Retention period of backup shall be minimum 90 days. For long term backup (retention more than 90 days) bidder has to provide archival/long term storage on cloud.	Please mention the longest retention period of the critical data. Also call out the retention is specific for any critical application/data. Or for the entire database.	Long-term storage means storage required for retention of backup during the entire contract period.
149	6 Cloud Infrastruct	35	3.4.6 Cloud Infrastructure D. Networking iii. Network service should provide the instance level firewall to allow and deny specific traffic to the application.	Requirement is for firewall or next-gen firewall?	Next-Gen firewall is required
150	6 Cloud Infrastruct	35	3.4.6 Cloud Infrastructure C. Storage iv. Storage service should support encryption of data on volumes as per industry standards.	Please specify the standards	Required managed service for encryption ensuring security of both data-at-rest and data-in-transit between server and its attached storage.
151	6 Cloud Infrastruct	1 to V	3.4.6 Cloud Infrastructure E. Account and Access Management:	Is PAM required in the solution?	Account and access management service should provide granular permissions to users and multi factor authentication
152	GENERAL	NA	NA	VAPT is not mentioned in this RFP Please let us know if VAPT is required if yes then specify the frequency of VAPT.	Please refer revised RFP.
153	NNEXURE A- CHECK	71	An authority to seek references from the Bidder's bankers along with details of Banks	Please suggest what is the document to be submitted for this clause	To be submitted by bidder on his letterhead
<b>Bidder 4</b>					
154	5.C.b.12	29	Scope of Work	Interface between CYMDIST 9.X required Kindly clarify since we are providing our own Network Analysis solution	Refer Revised RFP.
155	5.A.	25	Scope of Work	Does Enterprise License to be provided for Time bond License or Perpetual License (Permanent License)	Perpetual Licences Required
156	5.C.d.iii	30		Kindly share any formal if any.	Query Not clear
157	5.C.e.i	30		Kindly elaborate more on "Facility Management services" is it something related to centralized platform where queries can be raised. Kindly confirm	Refer revised RFP.
<b>Bidder 5</b>					
158	3 - Qualification Criteria for System Integrator (Bidder)	15	Bidder shall have experience in implementation of enterprise GIS application.	Can bidder showcase the projects executed by the OEM whose solution being proposed for this to qualify QR. Can OEM become a consortium partner with the lead bidder to submit the bid? If OEM is not a consortium partner of any bidder can their solution be proposed by multiple bidders.	1. Bidder & OEM has to qualify the respective QR separately. 2. YES 3. YES
159	C - Qualification Criteria for OEM of GIS Solution	20	The proposed GIS Solution should be successfully deployed and should be operational in at least 3 Power Utilities in India in past 7 years	GIS implementation for power utilities in India has not been moving in full pace due to various reasons which include government budgets / global pandemics etc. Only few OEMs have implemented some projects in the last 7 years. There are other GIS OEMs who have implemented much larger projects globally having rich experience who are ready to offer their state-of-the-art solutions for this opportunity. In view of this OEMs GIS solutions deployed in at least 3 Power Utilities in India / anywhere in the globe may kindly be considered.	Refer revised clause in RFP.
160	5 B a) General Requirements of GIS Solution	25	MSEDCL has implemented GIS and Network Analysis as part of R-APDRP IT program for 130 Towns	Please provide information about the GIS platform being used currently by MSEDCL.	Currently MSEDCL is not using any GIS software. Refer revised RFP.
161	5 B a) iv) General Requirements of GIS Solution	25	In case of Supply Off Incidents Faults Planned outages System should be able to indicate give affected portions of network based on multiple inputs from MDAS SCADA DMS CRM CCC in real-time view. The system should be able to trigger SOPs based on the incidents recorded.	We understand that the required interoperable Industry Standard APIs will be provided for integration with the mentioned systems. Kindly confirm.	Yes
162	5 - Scope of Work - v) point - c General Requirements of GIS Solution	26	It is bidder's responsibility to migrate all the existing data available in old GIS system Geo-coordinate data available in various MSEDCL existing systems.	Please provide details of the existing data like its format volume database used any other data etc	Refer revised RFP.
163	5 - Scope of Work - iii	26	Provision of enterprise GIS system & Hardware to handle a maximum of 300 concurrent users.	We understand that the total number of concurrent users for desktop web and mobile together would be 300. Please confirm.	Yes
164	5 - Scope of Work - viii	26	The enterprise GIS System must be seamlessly integrated (without manual intervention) with MSEDCL Mobile apps and other servers of MSEDCL such as MDAS server LDAP server containing important attributes of GIS data	Please provide details about the MSEDCL mobile App like Operating System Architecture etc. We understand that for integration with other systems mentioned interoperable Industry Standard APIs will be provided. Please confirm.	1. Refer revised RFP. 2. Yes
165	5 - Scope of Work - x	27	Provisioning of Map services & creation of Network for entire MSEDCL areas from authorized sources for the period of 5 years. Bidder may also be required to integrate map services with other MSEDCL system.	We understand that the data from other MSEDCL system will be provided in interoperable Industry Standard Geospatial format or OGC Services. Kindly confirm.	Most of the existing MSEDCL data will be in .csv format. Bidder has to convert the existing data in the required format.
166	5 - Scope of Work - xi	27	Migration of existing R-APDRP GIS data into new enterprise GIS System	Please provide details of the existing GIS system data format volume database used any other associated data for migration etc	Refer revised RFP.
167	5 - Scope of Work - xii	27	Integration of this enterprise GIS system with other MSEDCL Software modules and SCADA system	We understand that the required interoperable Industry Standard APIs will be provided for integration with the mentioned systems. Kindly confirm.	Yes
168	5 - Scope of Work - xiv	27	A New Connection module Disconnection system module and Customer care center modules of R-APDRP shall be integrated with this GIS system. The GIS system should be well strengthened with various power system analysis applications such as Voltage regulation calculation Vidhyut Pravah application Outage Management system etc.	We understand that the required interoperable Industry Standard APIs will be provided for integration with the mentioned systems. Kindly confirm.	Yes
169	5 - Scope of Work - xvi	27		Are these applications already existing with MSEDCL? Please clarify.	Clause Deleted. Refer Revised RFP
170	5 - Scope of Work - xxv	27	The Enterprise GIS Solution (incl. Hardware & Software) provided by the Bidder must meet the System Response time of less than 2 seconds for View operations & 10 seconds for Query/Trace operations.	View performance (response time) will depend upon many factors like server configuration Data Size Network bandwidth and architecture Number of concurrent users etc. So it is not feasible to define the response time since it has above dependencies and need to be evaluated during SRS stage. Kindly Consider.	No Change. As per RFP. Bidder has to propose appropriate sizing for cloud infrastructure and networking to meet the requirements as per RFP.
171	c) Integration with other systems	28	The GIS Solution must be seamlessly integrated with NA Solution and other systems of MSEDCL. Eg. Load Forecasting SAP-ERP MDAS ECCS Dashboard	Please provide details about existing systems like Load Forecasting SAP-ERP MDAS ECCS Dashboard etc for understanding the complete integration scope	Refer revised RFP.
<b>Bidder 6</b>					

Sno	RFP Section & Clause	Page No.	Subject/RFP Clause	Query/Request	MSEDCL Response
172	B. GIS SYSTEM	26	c. It is bidder's responsibility to migrate all the existing data available in old GIS system Geo-coordinate data available in various MSEDCL existing systems.	Please provide the specifications of the legacy data including format filetypes and other metadata information for better estimation of the effort required to for migration of the data	Currently MSEDCL is not using any GIS software. However Geo coordinate data of consumers assets is regularly collected through mobile apps. This existing data collected till date has to be migrated. Refer revised RFP.
173	B. GIS SYSTEM	26	i. Mapping all relevant Distribution system assets	Is scope of work include any field survey to capture asset data associated with transmission & distribution?	No
174	B. GIS SYSTEM	26	iv. Shape files creation of the State of Maharashtra Zones circles divisions and sub divisions.	Does the scope involves creation of these boundaries or migration of exiting data to the ne GIS database? In case the data needs to be created a fresh what are authentic sources to be referred for the same? We understand MSEDCL will make these sources available to the Implementation team	Currently MSEDCL is not using any GIS software. However Geo coordinate data of consumers assets is regularly collected through mobile apps. This existing data collected till date has to be migrated. Refer revised RFP.
175	B. GIS SYSTEM	26	The GIS system should have option to load multiple maps such as Google Street Google Satellite Bing Apple maps and any other maps available with MSEDCL.	As per the "Indian National Geospatial Policy released by Department of Science and Technology in Feb '2021 has put restrictions on acquisition collection generation preparation dissemination storing sharing publishing distribution updating digitization and/or creation of Geospatial Data including Maps by foreign companies (Please refer to DST F.No.5M/25/02/2020 (Part-I) dated 15th February 2021) - Page No. 4 Point No. (viii)".  This clause along ith other clause in Page 31 of RFP Document do not comply with the Policy as these companies are not permitted to acquire and disseminate geospatial information.  We request MSEDCL take notice of these clauses and give opportunities to Aatmanirbhar products/services companies like MapmyIndia.	1. The GIS system proposed by bidder should support standard map services available in India. Apple map services quoted as an example. 2. Currently no map services is available with MSEDCL.
176			Bidder shall have experience of implementation of enterprise Network Analysis solution. Above experience should be during the last 7 years since date of publishing of this tender as below : iv. Experience in single project costing not less than the amount equal to Rs. 18 Crs (without taxes) OR v. Experience in two projects each costing not less than the amount equal to Rs. 11.30 Crores (without taxes) OR vi. Experience in three projects each costing not less than the amount equal to Rs. 9 Crores (without taxes)	We request you to consider OEM experience and reduce the project cost to 4cr3cr and 2cr respectively.	Refer revised RFP
<b>Bidder 7</b>					
177	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder)	14	Bidder can be an individual or a consortium of maximum 2 organizations	Bidder can be an individual or a consortium of maximum 3 organizations as GIS and Network Analysis are two different domains and the turnover requirement is very high.	No Change. As per RFP
178	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder)	15	Bidder/Consortium partner shall have experience of implementation of enterprise GIS application. Above experience should be during the last 7 years since date of publishing of this tender as below : i.Experience in single project costing not less than the amount equal to Rs. 15.70 Crs (without taxes) OR ii.Experience in two projects each costing not less than the amount equal to Rs. 9.80 Crores (without taxes) OR iii.Experience in three projects each costing not less than the amount equal to Rs. 7.85 Crores (without taxes)	Bidder/Consortium partner shall have experience of implementation of enterprise GIS application. Above experience should be during the last 7 years since date of publishing of this tender as below: i.Experience in single project costing not less than the amount equal to Rs. 7 Crs (without taxes) OR ii.Experience in two projects each costing not less than the amount equal to Rs. 3.5 Crores (without taxes) OR iii.Experience in three projects each costing not less than the amount equal to Rs. 2.5 Crores (without taxes)	Refer revised RFP
179	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder)	16	Bidder shall have experience of implementation of enterprise Network Analysis solution. Above experience should be during the last 7 years since date of publishing of this tender as below : i. Experience in a single project costing not less than the amount equal to Rs. 18 Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. 11.30 Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. 9 Crores (without taxes).	Bidder/Consortium partner shall have experience of implementation of enterprise Network Analysis solution.  Above experience should be during the last 7 years since date of publishing of this tender as below : i. Experience in a single project costing not less than the amount equal to Rs. 3 Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. 2 Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. 1 Crores (without taxes).  Till date network analysis tenders have been only published in bits and pieces values of which are pretty small. Hence we request the above changes to be granted to allow a wider participation.  Would also request you to allow bidder/s to showcase projects of OEM with proper authorization if it matches the conditions as enumerated in the tender.	Refer revised RFP
180	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder)	14	The bidder must have minimum average annual turnover of Rs. 100 Crores of the last three audited Financial Years (2019-20 2020-21 2021-22).	The bidders (Lead Bidder in case of Consortium) must have minimum average annual turnover of Rs. 25 Crores for the last three audited Financial Years (2019-20 2020-21 2021-22).  We would also request you to allow a consortium of 3 organizations and an aggregate turnover of maximum 50 Crores to be considered.	No Change. As per RFP
181	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder)	18	Bidder/Lead Bidder shall have minimum CMMI Level 3 certification	Bidder shall have minimum CMMI Level 3 certification. In case of consortium any one of the consortium members should have CMMI level 3 certification	No Change. As per RFP
<b>Bidder 8</b>					
182	5. Scope of Work B. (b)	27 of 108	GIS Licencing Consideration:	Does MSEDCL going to procure fresh GIS licenses or want to upgrade the existing GIS Software procured by MSEDCL earlier?	As per scope of works procurement of new GIS licenses is required.
183	5. Scope of Work B. (b)	27 of 108	GIS Licencing Consideration:	Pls confirm if MSEDCL is open to evaluate any available GIS software technology available in the market today which satisfy your technical requirement criteria? Or you want to upgrade ESRI based solution?	Bidder may propose any GIS software technology fulfilling the requirements as per scope of works in the RFP.
184	5. Scope of Work B. (b)	27 of 108	GIS Licencing Consideration:	There is mention about GIS FEEDER MANAGER which is specific to one OEM specific product. Pls confirm is it a general mention or MSEDCL want specific software from specific OEM only?	It is one of the functionality in GIS solution. Bidder may propose equivalent functionality through any GIS software.
185	5. Scope of Work B. (b)	27 of 108	GIS Licencing Consideration:	If the bidder wants to quote ESRI based products and solution does MSEDCL will supply the currently available Software BOM and specify the "modules" for which "delta" license upgrade may be required to make the proposal cost effective? Pls confirm ; Pls confirm if existing ESRI arc GIS licenses are under ATS contract with ESRI?Are these licenses( ( GIS & NA software) cover now under any current ATS contract?	Currently MSEDCL is not using any GIS software. Please refer revised RFP for details of existing landscape.
186	5. Scope of Work C. (b)/ Point 12	29 of 108	NA Licencing Consideration: TechGratlon-ArcGIS: Interface between CYMDIST 9.X and the latest version of ArcGIS software	Hers it is mentioned that interface to be created with latest version of Arc GIS software. Pls confirm if MSEDCL wants to procure latest version of ESRI ARC GIS or want to upgrade the existing products to the latest version	Refer Revised RFP

Sno	RFP Section & Clause	Page No.	Subject/RFP Clause	Query/Request	MSEDCL Response
187	5.(B).a: General Requirements of GIS solution V.C. XII	27 of 108	Integration of this enterprise GIS system with other MSEDCL Software modules and SCADA system	Pls specify with names how many MSEDCL software modules are there apart from SCADA system which need to be integrated with GIS system	Refer Revised RFP
188	5.(B).a: General Requirements of GIS solution V.C. XIX	28 of 108	MSEDCL may stipulate additional related responsibilities during the contract period.	Pls specify how bidder will take care of pricing considerations for these " related responsibilities" during bid submission	Refer RFP clause for change request management
189	5. A. 3	25 of 108	Integration of GIS Solution & NA Solution with each other and other systems of MSEDCL. Eg. Load Forecasting SAP-ERP MDAS ECCS Dashboard.	Please specify the OEM software name version of Load Forecasting SAP-ERP MDAS ECCS Dashboard	Refer Revised RFP
190	5. Scope of Work A.6	25 of 108	Provision of Cloud Services for deploying GIS Solution & NA Solution from a MeitY empanelled and SQTC Audit Complaint Cloud Service	Does MSEDCL like to deploy current implementation in cloud or this provision is for future planning purpose only	Bidder has to deploy proposed solution on cloud as per RFP
191	5. Scope of Work C. (b)/ Point 12	29 of 108	TechGration-ArcGIS: Interface between CYMDIST 9.X and the latest version of ArcGIS software	We understand that ESRI is existing GIS platform. Please provide BOM of existing GIS license including version and count of license	Currently MSEDCL is not using any GIS software. Refer Revised RFP
192	5. Scope of Work C. (b)/ Point 13	30 of 108	TechGration-ArcGIS: Interface between CYMDIST 9.X and the latest version of ArcGIS software	We understand that Cymedist is existing NA application. Please provide BOM of existing NA license including version and count of license	Refer Revised RFP
193	5. Scope of Work C. (b)/ Point 14	31 of 108	TechGration-ArcGIS: Interface between CYMDIST 9.X and the latest version of ArcGIS software	Does MSEDCL wants to implement the project using ARCGIS & CYMDIST? Pls confirm.	Refer Revised RFP
194	3. Qualifying Requirements A. 5 & 6	14 of 108	Project experience for GIS and NA	As MSEDCL needs GIA and NA integrated solution we request MSEDCL to merge these two clauses be combined and validated through single project experience ( of GIS and NA)	No Change. As per RFP
195	3. Qualifying Requirements A. 5 & 7	15 of 108	Project experience for GIS and NA	"Above experience should be during the last 7 years since date of publishing of this tender" may be changed to "Above experience should be during the last 10( TEN) years since date of publishing of this tender" to allow vendors	Refer revised RFP
196	3. Qualifying Requirements A. 5 & 8	16 of 108	Project experience for GIS and NA	Please confirm any project experience either in India or globally will be valid for qualification	Refer revised RFP
197	2. Bid Data Sheet Item 3 : Method of selection 5. SOW B. GIS System Point ix	10 of 108	Order Placement to L1 bidder	We understand that overall order will not be splitted between GIS and NA based on individual L1 price and overall L1 will be considered. Please confirm	As mentioned in RFP overall L1 will be considered
198	5. SOW B. GIS System Point ix	24 of 108	Provision of Test environment for survey data validation & correction	Pls confirm Any form of GIS and network survey is not part of scope.	Survey is not part of scope.
199	Integration with other systems B.c	28 of 108	Integration	Is there any existing middleware in MSEDCL? If so pls confirm whether MSEDCL likes to integrate the GIS & NA with existing middleware or want to upgrade/procure new middleware?	MSEDCL currently not using any middleware for integration. All the integration done using FTP and web services in existing applications.
200	Integration with other systems B.c	28 of 108	Integration	If integration is to be done by bidder with existing middleware then pls confirm support & maintenance will be provided for middleware by bidder or existing vendor only.	No Change. As per RFP
201	Integration with other systems B.c	28 of 108	Integration	Pls provide the third party softwares with version used presently by MSEDCL and need to be integrated with GIS & NA solution.	Refer Revised RFP.
202	e) Facility Management Services /Operational Support (Managed Data Services) for GIS System B. (b)	28 of 108	FMS	Pls confirm the ratio of manpower deployed in onsite & offshore for 24*7 support & operational activities	MSEDCL requires 24x7 support for GIS System and Database administration. Bidder has to assess the number of skilled resources (onsite/offsite) as per the proposed solution to ensure uptime of the system and to meet the SLA.
203	e) Facility Management Services /Operational Support (Managed Data Services) for GIS System B. (b)	28 of 108	FMS	Pls confirm if FMS can be served by a team having employees of bidder & also with experienced outsource resources	FMS to be served as per scope of works in RFP.
204	MIS Reports D. ix	37 of 108	MIS Reports	Pls confirm if there is any existing reporting tool. Also pls confirm MSEDCL wants to include all mentioned reports in tender documents in their existing reporting tool or wants to procure new one.	Bidder should provide new reporting tool for reports in scope of project.
205	Service Level Agreement (SLA) 10. ii	55 of 108	SLA	Pls confirm whether there is any existing Incident Management Tool. If so then pls confirm how the tickets raised by users related to GIS & NA will be handled. Also pls confirm if MSEDCL wants to procure any new Incident management Tool for running operations seamlessly.	Bidder has to provide appropriate ticketing system
206	CHANGE REQUEST 30	67 of 108	CHANGE REQUEST	Pls confirm if the development support & operational activities for newly procured reporting tool incident management tool & middleware (if required) will be considered as separate Change Request .	Refer RFP clauses for change request management
207	K. Milestones and Timelines	47 of 108	Roll Out Data Migration and GO LIVE: Three Months from LoA	Go Live in three months of LOA may be too tight and MSEDCL should revise this timeline in all practical purpose.	Refer revised RFP
208	3. Qualifying Requirements A. 5 & 7	15 of 108	Project experience for NA	Pls explain the terms like Contingency analysis Reliability analysis wrt network analysis project	No Change. As per RFP. Please refer detail scope of RFP
209	29. TERMS OF PAYMENT Si no 2	66 of 108	Implementation Cost: 80% to be paid after Enterprise-wide Go-Live of all systems.	This need to be changed to payment as per quarterly milestone to be agreed by bidder and MSEDCL	No Change. As per RFP
210	7 of Bid Data Sheet Bid Security/ Earnest Money Deposit (EMD )	12	Rs.4981000/-(Forty-Nine lakh Eighty-One thousand only).	In view of Central Govt Notification it is requested to waive off EMD submission.	No Change. As per RFP
211	26 of Special Condition of Contract Contract performance Security	66	Bidder shall furnish a contract performance security bond for a value of 10% of the contract price	In view of Central Govt Notification it is requested to reduce the value of performance security to 3% of the contract price.	Refer revised RFP
212	27 of Special Condition of Contract Period of Contract	66	Time period of contract shall be 5 Years. The Zero date of the contract shall commence from the date of issue of "Award of Contract".	As per scope of work solution to be supplied with 1 yr of warranty & 4 years of ATS. Since the total contract of the project is 5 years so understand implementation phase & stabilisation phase is part of 1 year warranty. Request confirmation on our understanding.	Refer Revised RFP
213	29 of Special Condition of Contract Terms of Payment (1)	66	Payment of Software Licenses Cost	It is requested for payment of 100% third party SW license cost on delivery of the respective SW.	No Change. As per RFP
214	29 of Special Condition of Contract Terms of Payment (5)	67	Payment of Software ATS Cost for 4 years.	It is requested to change the payment term as yearly advance for ATS of all third party SW licenses.	ATS will be paid yearly at the beginning of year
215	29 of Special Condition of Contract Terms of Payment (i)	67	Credit period	It is requested to reduce the processing time of the payment as within 30 days from the date of submission of invoice.	No Change. As per RFP

Sno	RFP Section & Clause	Page No.	Subject/RFP Clause	Query/Request	MSEDCL Response
216	31 of Special Condition of Contract Liquidated Damages	68	Bidder is liable to pay liquidated damages up to 0.5 % per week or part of week on the price subject to a maximum ceiling of 10% reckoned on the total contract value.	It is requested to reduce the maximum liquidated damages to 5% of the total contract value.	No Change. As per RFP
217	General Deviation			Request to allow bid submission with deviations. Which can be concluded before the price bid opening.	No Change. As per RFP
218	General Extension			Request for extension in the bid submission date by 4 weeks from the existing date.	Please refer eTender website
219	General Change in the tax rate during the extended contract			We understand MSEDCL shall be compensating if change in taxes happens during the contract period or extended period. Request clarification.	No Change. As already mentioned in RFP (GCC 8) Duties and Taxes shall be paid as per the prevailing Government rule.
<b>Bidder 9</b>					
220.	Pre-qualification requirements		The bidder can be an individual organization or a consortium of maximum two (2) organizations registered in India under companies Act 1956 or Companies Act 2013 or Firm registered with Registrar of firms in India who fulfils the eligibility criteria	It is requested to allow for Joint Venture/ Consortium because said works covers various aspects. So we kindly request you to consider our request to allow for submission of said bid in Joint Venture/ Consortium.	No Change. As per RFP
221.	Submission Date		Proposal Due Date (PDD) 26/08/2022 up to 17.00 hrs	We may humbly request for a time limit extension at least for 15 days from the present due date i.e. 26.08.2022 for submission of quality bid due to our Regional Office located in Gandhinagar and for submission of any bid required NOC from our Head Quarter located in Delhi. Also for preparation of quality bid various document i.e. Tender Fee EMD Power of Attorney Project Disruption sheet with completion certificate (other than Gujarat) financial approval & statement was required from our Head Quarter located in Delhi. So its take time.	Please refer eTender website
<b>Bidder 10</b>					
222	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder) Sl.NO. 1	14	<b>Pre-Qualification Criteria</b> Bidder can be an individual or a consortium of maximum 2 organizations	<b>Revision request</b> Bidder can be an individual or a consortium of maximum 3 organizations as GIS and Network Analysis are two different domains. Hence multiple organizations have to come together for fulfilling the tender clause of qualification criteria.	No Change. As per RFP
223	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder) Sl.NO. 3	14	<b>Pre-Qualification Criteria</b> The bidder (Lead Bidder in case of Consortium) must have minimum average annual turnover of Rs. 100 Crores of the last three audited Financial Years (2019-20 2020-21 2021-22). Or The bidders (All Bidder jointly in case of Consortium) must have minimum average annual turnover of Rs. 50 Crores for the last three audited Financial Years (2019-20 2020-21 2021-22)	<b>Revision request</b> The bidders (Lead Bidder in case of Consortium) must have minimum average annual turnover of Rs. 25 Crores for the last three audited Financial Years (2019-20 2020-21 2021-22). Or The bidders (All Bidder jointly in case of Consortium) must have minimum average annual turnover of Rs. 50 Crores for the last three audited Financial Years (2019-20 2020-21 2021-22)	No Change. As per RFP
224	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder) Sl.NO. 5	15	<b>Pre-Qualification Criteria</b> Bidder/Consortium partner shall have experience of implementation of enterprise GIS application. Above experience should be during the last 7 years since date of publishing of this tender as below: i. Experience in single project costing not less than the amount equal to Rs. 15.70 Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. 9.80 Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. 7.85 Crores (without taxes)	<b>Revision request</b> Bidder/Consortium partner shall have experience of implementation of enterprise GIS application. Above experience should be during the last 7 years since date of publishing of this tender as below: i. Experience in single project costing not less than the amount equal to Rs. 7 Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. 3.5 Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. 2.5 Crores (without taxes)	Refer revised RFP
225	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder) Sl.NO. 6	16	<b>Pre-Qualification Criteria</b> Bidder shall have experience of implementation of enterprise Network Analysis solution. Above experience should be during the last 7 years since date of publishing of this tender as below: i. Experience in a single project costing not less than the amount equal to Rs. 18 Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. 11.30 Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. 9 Crores (without taxes).	<b>Revision request</b> Bidder/Consortium partner shall have experience of implementation of enterprise Network Analysis solution. Above experience should be during the last 7 years since date of publishing of this tender as below: i. Experience in a single project costing not less than the amount equal to Rs. 2 Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. 1 Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. 0.5 Crores (without taxes).	Refer revised RFP
226	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder) Sl.NO. 7	16	<b>Pre-Qualification Criteria</b> Bidder shall have implemented at least 5 projects of Network Analysis in power sector in India comprising of modules as below – - Network planning - Network configuration optimization - Substation modelling - Load flow - Contingency analysis - Reliability analysis Out of such 5 projects minimum of 3 projects should be with GIS integration. At least one of such projects should be for the implementation of the proposed OEM solution.	<b>Revision request</b> Bidder shall have implemented at least 5 projects of Network Analysis in power sector in India comprising of modules as below – - Network planning - Network configuration optimization - Substation modelling - Load flow - Contingency analysis - Reliability analysis Out of such 5 projects minimum 1 project should be with GIS integration. At least one of such projects should be for the implementation of the proposed OEM solution.	Refer revised RFP
227	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder) Sl.NO. 10	17	<b>Pre-Qualification Criteria</b> Bidder/Lead Bidder shall have minimum CMMI Level 3 certification.	<b>Revision request</b> In case of consortium any one of the consortium members should have CMMI level 3 certification.	No Change. As per RFP
228	5. Scope of Work C. NETWORK ANALYSIS (NA) b) NA Licencing Consideration: Sr. No. 12	29	<b>Description of Module</b> TechGration-ArcGIS: Interface between CYMDIST 9.X and the latest version of ArcGIS software	<b>Clarification requested</b> Separate OEM with different QR for GIS & NA are given in tender. If one single OEM solution can meet both the requirement for GIS & NA can the bidder submit the bid with that single OEM solutions? & If yes then please consider QR for NA as main requirement for bidder with above requested modifications.	QR for OEM has to be fulfilled separately for GIS and NA.
229	5. Scope of Work C. NETWORK ANALYSIS (NA) b) NA Licencing Consideration: Sr. No. 12	29	<b>Description of Module</b> TechGration-ArcGIS: Interface between CYMDIST 9.X and the latest version of ArcGIS software	<b>Clarification requested</b> In this tender ArcGIS is considered as GIS OEM solution for integration with NA solutions. Can an open source developed OEM solution (which is live in other Indian utility) having done integration with NA SCADA MDAS etc. will be considered or only ArcGIS is to be considered.	1. Refer Revised RFP 2. Bidder may propose any GIS solution to meet the scope of works in the RFP.
<b>Bidder 11</b>					

Sno	RFP Section & Clause	Page No.	Subject/RFP Clause	Query/Request	MSEDCL Response																																	
230	3 SCOPE OF WORK 3.2 DETAILED SCOPE OF WORK			The BoM for software reflects the purchase of 10 software modules even as the required technical specifications demand supply of 14 software modules. This disparity may create ground for technical approval of the supplied software in case only 10 software modules are supplied. Therefore there should be consistency between the technical specifications and the BoM given in the tender. The following modules have been left out in the BoM: a. Integrated Capacity Analysis b. Protective Device Coordination c. Harmonic Analysis d. Microgrid Planning	Refer revised technical specifications for NA																																	
231	3. SCOPE OF WORK		3.2 DETAILED SCOPE OF WORK	There is very uneven distribution of software modules across the offices; the zonal offices and circle offices would seldom get to work on certain software modules. The current BoM is: <table border="1"> <thead> <tr> <th>S no.</th> <th>Module</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Network Planning Software Basic Module</td> <td>25</td> </tr> <tr> <td>2</td> <td>Map Annual Subscription of Google Online Map</td> <td>5</td> </tr> <tr> <td>3</td> <td>Network Configuration Optimization</td> <td>25</td> </tr> <tr> <td>4</td> <td>Enhanced Substation Modelling</td> <td>25</td> </tr> <tr> <td>5</td> <td>Load flow with Load Profiles</td> <td>1</td> </tr> <tr> <td>6</td> <td>Contingency Analysis</td> <td>1</td> </tr> <tr> <td>7</td> <td>Reliability Analysis</td> <td>1</td> </tr> <tr> <td>8</td> <td>Advanced Project manager</td> <td>1</td> </tr> <tr> <td>9</td> <td>Long Term Dynamics</td> <td>1</td> </tr> <tr> <td>10</td> <td>Techno-economic Analysis</td> <td>1</td> </tr> </tbody> </table> It is suggested that the quantity for the software modules is enhanced such that each of the software module is available atleast to every zonal office	S no.	Module	Qty	1	Network Planning Software Basic Module	25	2	Map Annual Subscription of Google Online Map	5	3	Network Configuration Optimization	25	4	Enhanced Substation Modelling	25	5	Load flow with Load Profiles	1	6	Contingency Analysis	1	7	Reliability Analysis	1	8	Advanced Project manager	1	9	Long Term Dynamics	1	10	Techno-economic Analysis	1	Please refer revised RFP
S no.	Module	Qty																																				
1	Network Planning Software Basic Module	25																																				
2	Map Annual Subscription of Google Online Map	5																																				
3	Network Configuration Optimization	25																																				
4	Enhanced Substation Modelling	25																																				
5	Load flow with Load Profiles	1																																				
6	Contingency Analysis	1																																				
7	Reliability Analysis	1																																				
8	Advanced Project manager	1																																				
9	Long Term Dynamics	1																																				
10	Techno-economic Analysis	1																																				
232	4.1.2.1 Qualification criteria for Bidder			We as a supplier of the software have a compulsion to go into JV with a GIS solution provide to facilitate compliance with PQRs. Also sub-contracting not allowed. In such a situation we can offer our software to only one potential bidder. It may lead to monopolistic situation for one of the bidders. It is suggested that the qualification criteria are maintained for the software and we are allowed to offer our software as a vendor instead of as a JV partner	Refer revised RFP. Clause 7(f) of Section II is deleted.																																	
233	4.1.2.1 Qualification criteria for Bidder			We suggest that network analysis software is procured independently of the GIS software since our software facilitates network planning studies to be carried out in both situations - when the GIS is ready and when it is ready. Such an approach would help MSEDCL to take up network planning early and then later on use our software hand-in-hand with GIS software whenever it is ready. We can give you an undertaking that we will provide you appropriate interface between GIS and our Cyme software at the pertinent time.	No change. As per RFP.																																	
234	DD. BILLING AND PAYMENT TERMS			5. Finally all world-class network software comes from the OEM with standard terms of payment which is 100% in advance. As distributors work with a thin profit margins we seek that the payment terms are modified such that we are paid for the supplied software as per following terms: a. 90% on installation of the software b. Balance 10% after 1 month of satisfactory installation  And for AMC 100% of the amount for the given year should be paid at the start of the year	Please refer revised RFP																																	
<b>Bidder 12</b>																																						
235	Qualifying Requirements Point No 3	14	The bidder must have a minimum average annual turnover of Rs. 100 Crores of the last three audited Financial Years (2019-20 2020-21 2021-22). If the audited balance sheet for FY 2021-22 is not available then the minimum average Annual Turnover of the last 3 Audited Financial Years ( 2018-19 2019-20 2020-21) will be considered.	The bidder / Consortium must have a minimum average annual turnover of Rs. 100 Crores of the last three audited Financial Years (2019-20 2020-21 2021-22). If the audited balance sheet for FY 2021-22 is not available then the minimum average Annual Turnover of the last 3 Audited Financial Years ( 2018-19 2019-20 2020-21) will be considered.	No change. As per RFP.																																	
236	Qualifying Requirements Point No 5	15	Bidder shall have experience in implementation of enterprise GIS application. Above experience should be during the last 7 years since date of publishing of this tender as below : i. Experience in single project costing not less than the amount equal to Rs. 15.70 Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. 9.80 Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. 7.85 Crores (without taxes) Note : 1. For the above experience completed projects and ongoing projects whose go-live declared before date of publishing this tender shall be considered. 2. If the project mentioned in the experience is executed by JV/Consortium where bidder is one of the JV partner/consortium member the role of bidder in the project should be clearly mentioned along with value of contract pertaining to bidder's role in the project. In support of this bidder has to submit a copy of agreement or client certificate. 3. Projects done for in-house use of parent company/associate companies (with common stakeholders) would not be considered. However projects done for external customer(s) by parent company or fully owned subsidiaries would be considered. 4. At least one of the projects in above experience should be for implementation of proposed OEM solution.	Bidder shall have Experience in implementation /execution of enterprise GIS application/GIS based field survey work in the last 10 Years. since the date of publishing of this tender as below : i. Experience in a single project costing not less than the amount equal to Rs. 15.70 Crs (without taxes). OR ii. Experience in two projects each costing not less than the amount equal to Rs. 9.80 Crores (without taxes). OR iii. Experience in three projects each costing not less than the amount equal to Rs. 7.85 Crores (without taxes). Note : 1. For the above experience completed projects and ongoing projects whose go-live declared before date of publishing this tender shall be considered. 2. If the project mentioned in the experience is executed by JV/Consortium where bidder is one of the JV partner/consortium member the role of bidder in the project should be clearly mentioned along with value of contract pertaining to bidder's role in the project. In support of this bidder has to submit a copy of agreement or client certificate. 3. Projects done for in-house use of parent company/associate companies (with common stakeholders) would not be considered. However projects done for external customer(s) by parent company or fully owned subsidiaries would be considered. 4. At least one of the projects in above experience should be for implementation of proposed OEM solution/owned developed GIS based application.	Refer revised RFP.																																	

Sno	RFP Section & Clause	Page No.	Subject/RFP Clause	Query/Request	MSEDCL Response
	Qualifying Requirements Point No 6	16	Bidder shall have experience of implementation of enterprise Network Analysis solution. Above experience should be during the last 7 years since date of publishing of this tender as below : iv. Experience in single project costing not less than the amount equal to Rs. 18 Crs (without taxes) OR v. Experience in two projects each costing not less than the amount equal to Rs. 11.30 Crores (without taxes) OR vi. Experience in three projects each costing not less than the amount equal to Rs. 9 Crores (without taxes) Note : 1. For above experience completed projects and ongoing projects whose go-live declared before date of publishing this tender shall be considered. 2. If the project mentioned in the experience is executed by JV/Consortium where bidder is one of the JV partner/consortium member the role of bidder in the project should be clearly mentioned along with value of contract pertaining to bidder's role in the project. In support of this bidder has to submit a copy of agreement or client certificate. 3. Projects done for in-house use of parent company associate companies (with common stakeholders) would not be considered. However projects done for external customer(s) by parent company or fully owned subsidiaries would be considered.	Bidder shall have Experience in the implementation of enterprise Network /GIS data Analysis solutions and survey related work in last 10 Years. since date of publishing of this tender as below : iv. Experience in single project costing not less than the amount equal to Rs. 18 Crs (without taxes) OR v. Experience in two projects each costing not less than the amount equal to Rs. 11.30 Crores (without taxes) OR vi. Experience in three projects each costing not less than the amount equal to Rs. 9 Crores (without taxes) Note : 1. For above experience completed projects and ongoing projects whose go-live declared before date of publishing this tender shall be considered. 2. If the project mentioned in the experience is executed by JV/Consortium where bidder is one of the JV partner/consortium member the role of bidder in the project should be clearly mentioned along with value of contract pertaining to bidder's role in the project. In support of this bidder has to submit a copy of agreement or client certificate. 3. Projects done for in-house use of parent company associate companies (with common stakeholders) would not be considered. However projects done for external customer(s) by parent company or fully owned subsidiaries would be considered.	Please refer revised RFP
237	Qualifying Requirements Point No 7	16	Bidder shall have implemented at least 5 projects of Network Analysis in power sector in India comprising of modules as below – - Network planning - Network configuration optimization - Substation modelling - Load flow - Contingency analysis - Reliability analysis Out of such 5 projects minimum 3 projects should be with GIS integration. At least one of such projects should be for implementation of proposed OEM solution. Note : 1. For above experience completed projects and ongoing projects whose go-live declared before date of publishing this tender shall be considered. 2. If the project mentioned in the experience is executed by JV/Consortium where bidder is one of the JV partner /consortium member the role of bidder in the project should be clearly mentioned along with value of contract pertaining to bidder's role in the project. In support of this bidder has to submit a copy of agreement or client certificate. 3. Projects done for in-house use of parent company associate companies (with common stakeholders) would not be considered. However projects done for external customer(s) by parent company or fully owned subsidiaries would be considered.	Bidder shall have implemented at least 5 projects of Network/GIS based data collection and analysis in India in last 10 years Note : 1. For above experience completed projects and ongoing projects whose go-live declared before date of publishing this tender shall be considered. 2. If the project mentioned in the experience is executed by JV/Consortium where bidder is one of the JV partner/consortium member the role of bidder in the project should be clearly mentioned along with value of contract pertaining to bidder's role in the project. In support of this bidder has to submit a copy of agreement or client certificate. 3. Projects done for in-house use of parent company associate companies (with common stakeholders) would not be considered. However projects done for external customer(s) by parent company or fully owned subsidiaries would be considered.	Please refer revised RFP
238	C. Qualification Criteria for OEM of GIS Solution Point no 1	20	The proposed GIS Solution should be successfully deployed and should be operational in at least 3 Power Utilities in India in past 7 years.	The proposed GIS Solution should be successfully deployed and should be operational in India in past 7 years	Please refer revised RFP
239	General Condition	-	-	Bidder should have successfully implemented cumulative of 75 lakhs GIS data set (electricity pole / property / hoarding / trees and electric meters) in GIS application for the past 10 years	No Change. As per RFP.
240	General Condition	-	-	Bidder/Lead Bidder should have CMMI Level 3 Certification and ISO 27001-2013 Certificate for Data Security.	No Change. Already present in the RFP.
241	Special Conditions of Contract - PBG	74	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	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 in accordance with the Conditions of Contract	Please refer revised RFP
243	Billing & Payment Terms	80		On Approval of Project Plan and Design document 10% of Contract value is to be release.	Please refer revised RFP
<b>Bidder 12</b>					
244	ELIGIBILITY CRITERIA:		6. Bidder shall have experience in the implementation of enterprise Network Analysis solutions. Above experience should be during the last 7 years since date of publishing of this tender as below : i. Experience in a single project costing not less than the amount equal to Rs. 18 Crs (without taxes) OR ii. Experience in two projects each costing not less than the amount equal to Rs. 11.30 Crores (without taxes) OR iii. Experience in three projects each costing not less than the amount equal to Rs. 9 Crores (without taxes).	Having this large value contract for Network Analysis software is very rare We request you to kindly change the requirement to "6. Bidder shall have experience in the implementation of enterprise Network Analysis solutions. Above experience should be during the last 15 years since date of publishing of this tender as below : i. Experience in a single project costing not less than the amount equal to Rs. 10 Crs (without taxes)	Refer Revised clause in RFP.
245	ELIGIBILITY CRITERIA:		7. Bidder shall have implemented at least 5 projects of Network Analysis in power sector in India comprising of modules as below – - Network planning - Network configuration optimization - Substation modelling - Load flow - Contingency analysis - Reliability analysis Out of such 5 projects minimum of 3 projects should be with GIS integration. At least one of such projects should be for the implementation of the proposed OEM solution.	<b>We request to include Global reference also. "Bidder shall have implemented at least 5 projects of Network Analysis in power sector Globally comprising of modules as below –</b>	Please refer revised RFP
246	NETWORK ANALYSIS (NA) Requirements		IV. The proposed Network Analytics solution is integrated platform of web and mobile applications. Network addition deletion and changes to be captured on Mobile application. Network shall be created automatically online based on Mobile App information.	Major OEM of Network analysis software did not have Web or mobile app-based network analysis software. We request you to kindly remove this requirement.	No change. As per RFP.
247			X. The software must support various analysis including a. Network Planning Software Basic Module b. Network Configuration Optimization c. Enhanced Substation Modelling d. Load flow with Load Profiles e. Contingency Analysis f. Reliability Analysis g. Advanced Project manager h. Long Term Dynamics i. Techno-economic Analysis j. Integrated Capacity Analysis k. Protective Device Coordination l. Harmonic Analysis m. Micro grid Planning (IEEE STD 2030.7)	It seems these are the specific module names from one of the Network Analysis software Request you to kindly use the generic name or share the detailed description.	Bidder may propose equivalent functionality. The detail description of proposed modules is already available in technical specification of Network Analysis.
248			I. The Networking Analysis Solution will be implemented at the Zone Level (Approximately 25 concurrent users). After being successfully implemented at Zone Level all the functionalities of the software will be explored. Afterword the solution will be expanded to Circle and Division levels gradually	Please clarify on the total number of desktop license required. Is it 25 users for whole MSEDCL or 25 users just for one Zone then how many for whole MSEDCL.	As per RFP 25 no. of Licences required for 12 Zones 4 Regions and Head office users
<b>Bidder 17</b>					

Sno	RFP Section & Clause	Page No.	Subject/RFP Clause	Query/Request	MSEDCL Response
249	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder)	14 of 108	The bidder must have a minimum average annual turnover of Rs. 100 Crores of the last three audited Financial Years (2019-20 2020-21 2021-22). In the case of a consortium the Lead Bidder should meet at least 51% of turnover criteria and other member shall meet at least 20% of turnover criteria.	The bidder must have a minimum average annual turnover of Rs. 100 Crores of the last three audited Financial Years (2019-20 2020-21 2021-22). In case of consortium all Consortium members <b>together</b> should meet the requirement.	Please refer revised RFP
250	C. Qualification Criteria for OEM of GIS Solution	20 of 108	The proposed GIS Solution should be successfully deployed and should be operational in at least 3 Power Utilities in India in past 7 years .	The proposed GIS Solution should be successfully deployed and should be operational in at least 3 Power Utilities in past 7 years .	Please refer revised RFP