

Annexure B - Corrigendum

Sr. no.	Reference	Existing Clause	Revised Clause
1	SECTION II - GENERAL CONDITIONS OF CONTRACT 10. Obligation of the Bidder ii. Service Level Agreement (SLA)	NIL	<i>Added:</i> The SLA penalty shall be limited to 10% of the Total FMS cost.
2	5. Scope of Work B. GIS SYSTEM b) GIS Licencing Consideration:	ii. The GIS Desktop licences (for bulk Updating) shall be provided for 10 users.	ii. The GIS Desktop licences (for bulk Updating) shall be provided for 10 concurrent users.
3	5. Scope of Work C. NETWORK ANALYSIS (NA) b) NA Licencing Consideration:		<i>Added:</i> a. Integrated Capacity Analysis-Qty: 1 b. Protective Device Coordination- Qty: 1 c. Harmonic Analysis - Qty: 1 d. Microgrid Planning- Qty: 1
4	5. Scope of Work B. GIS SYSTEM e) Facility Management Services / Operational Support (Managed Data Services) for GIS System		<i>Added:</i> iii. Creation & maintenance of Spatial Database of Enterprise GIS data iv. Migration of data from the test environment to the production server v. Migration of legacy GIS data (RAPDRP, HT N/w, AG consumer, etc) areas to the new GIS system. vi. Line route and Cable route information provision on point data. vii.Ensuring CERT-IN audit once in a year for implemented solution. viii. Enterprise Data Management including Database Administration and Data Cleansing, etc. ix. Centralized Activities: - Surveyed GIS data Validation and Correction, - QA/QC, - Reconcile and Posting of surveyed data - Data Verification after posting in Web Application. - Web Update - Optimal Licence management - All integration activities at the HO level.
5	5. Scope of Work C. NETWORK ANALYSIS (NA) e) Facility Management Services/Operational Support for NA Solution		<i>Added:</i> i. Provision of Facility Management Services (FMS) for NA Solution for 5 years ii. Deployment of trained & Skilled manpower at MSEDCL locations for 24x7 support as per the requirements of MSEDCL. iii. Creation & maintenance of the Database of NA Solution for 5 years. iv. Migration of data from the test environment to the production server v. Integration with GIS system. vi. Line route and Cable route information provision on point data. vii. Enterprise Data Management including Database Administration and Data Cleansing, etc. viii.Ensuring CERT-IN audit once in a year for implemented solution. ix. Ensuring industry standards of Network Analysis Solutions. x. Centralized Activities: - QA/QC, - Data Verification after posting in Web Application. - Web Update - Optimal Licence management - All integration activities at the HO level.
6	1.Introduction 1.2MSEDCL		<i>Added:</i> F. Existing IT Landscape
7	1.Introduction 1.2MSEDCL		<i>Added:</i> G. Existing GIS System: (Details of existing GIS data added)
8	5.Scope of Work C.NETWORK ANALYSIS (NA) b)NA Licencing Consideration:	12. TechGration-ArcGIS: Interface between CYMDIST 9.X and the latest version of ArcGIS software	Interface between the latest NA software system and the latest version of GIS software
9	5.Scope of Work C.NETWORK ANALYSIS (NA) b)NA Licencing Consideration:	13. TechGration-MDAS: Interface between CYMDIST9.X and Energy Meters Data Acq System (MDAS)	Interface between the latest NA software system and Energy Meters Data Acq System (MDAS)
10	3. Qualifying Requirements A. Qualification Criteria for System Integrator (Bidder) Sr. no. 2		<i>Added:</i> Document required In the case of a consortium, in addition to the above documents, the consortium agreement AND power of attorney as per the format given in RFP S1. Consortium agreement & S1. Power of Attorney format added

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11	<p>3. Qualifying Requirements</p> <p>A. Qualification Criteria for System Integrator (Bidder) Sr. no. 3</p>	<p>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).</p> <p>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.</p> <p>Documents required: Copy of the Audited Annual financial statements, Balance Sheet, and P&L Account for the respective financial years.</p> <p>In the case of a consortium, the Lead Bidder should meet at least 51% of turnover criteria and another member shall meet at least 20% of turnover criteria.</p>	<p>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).</p> <p>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.</p> <p>Documents required: Copy of the Audited Annual financial statements, Balance Sheet, and P&L Account for the respective financial years.</p> <p>In the case of a consortium, the Lead Bidder should meet at least 51% of turnover criteria and another member shall meet at least 25% of turnover criteria.</p>
12	<p>3. Qualifying Requirements</p> <p>A. Qualification Criteria for System Integrator (Bidder) Sr. no. 5</p>	<p>application. Above experience should be during the last 7 years since date of publishing of this tender as below :</p> <p>i. Experience in single project costing not less than the amount equal to Rs. 15.70 Crores (without taxes) OR</p> <p>ii. Experience in two projects each costing not less than the amount equal to Rs. 9.80 Crores (without taxes) OR</p> <p>iii. Experience in three projects each costing not less than the amount equal to Rs. 7.85 Crores (without taxes)</p> <p>Note : 1. For the above experience, completed projects and ongoing projects whose go-live declared before date of publishing this tender shall be considered.</p> <p>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.</p> <p>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.</p> <p>4. At least one of the projects in above experience, should be for implementation of proposed OEM solution.</p> <p>Documents required: 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.</p>	<p>Bidder shall have experience in implementation of enterprise GIS application, during the last 7 years since the date of publishing of this tender as below :</p> <p>1. Experience in a single project costing not less than the amount equal to Rs. 9 Crores (without taxes) OR</p> <p>2. Experience in two projects each costing not less than the amount equal to Rs. 5.60 Crores (without taxes) OR</p> <p>3. Experience in three projects each costing not less than the amount equal to Rs. 4.50 Crores (without taxes)</p> <p>Note : 1. In the case of a consortium, any one of the consortium members should meet this criterion.</p> <p>2. For the above experience, completed projects and ongoing projects whose go-live are declared before the due date of the tender shall be considered.</p> <p>3. If the project mentioned in the experience is executed by JV/Consortium, where the bidder is one of the JV partner/consortium members, the role of bidder in the project should be clearly mentioned along with the value of the contract pertaining to bidder's role in the project. In support of this, bidder has to submit a copy of agreement or client certificate.</p> <p>4. 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.</p> <p>Documents required: 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/date of go-live declaration in all respect.</p>
13	<p>3. Qualifying Requirements</p> <p>A. Qualification Criteria for System Integrator (Bidder) Sr. no. 6</p>	<p>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 :</p> <p>i. Experience in single project costing not less than the amount equal to Rs. 18 Crs (without taxes) OR</p> <p>ii. Experience in two projects each costing not less than the amount equal to Rs. 11.30 Crores (without taxes) OR</p> <p>iii. Experience in three projects each costing not less than the amount equal to Rs. 9 Crores (without taxes)</p> <p>Note : 1. For above experience, completed projects and ongoing projects whose go-live declared before date of publishing this tender shall be considered.</p> <p>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.</p> <p>3. Projects done for in-house use of parent company, associate companies (with common stakeholders) would not be considered. However, projects done for the external customer(s) by the parent company or fully owned subsidiaries would be considered.</p> <p>Documents required: 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.</p> <p>In case of a consortium, any one of the Consortium members should meet the requirement</p>	<p>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 :</p> <p>i. Experience in a single project costing not less than the amount equal to Rs. 10.30 Crs (without taxes) OR</p> <p>ii. Two projects each costing not less than the amount equal to Rs. 6.45 Crs (without taxes) OR</p> <p>iii. Three projects each costing not less than the amount equal to Rs. 5.1 Crs (without taxes).</p> <p>Note :</p> <p>1. Above QR can be met by any consortium member or OEM of proposed solution</p> <p>2. In case of OEM experience is shown to fulfill this QR, OEM should be responsible for the implementation of solution. OEM should submit the undertaking for successful implementation</p> <p>3. For above experience, completed projects and ongoing projects whose go-live declared before due date of tender shall be considered.</p> <p>4. 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.</p> <p>5. 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.</p> <p>Documents required: 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.</p>

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14	<p>3. Qualifying Requirements</p> <p>A. Qualification Criteria for System Integrator (Bidder) Sr. no. 7</p>	<p>Bidder shall have implemented at least 5 projects of Network Analysis in the power sector in India comprising of modules as below :</p> <ul style="list-style-type: none"> - Network planning, - Network configuration optimization, - Substation modelling, - Load flow, - Contingency analysis, - Reliability analysis <p>Out of such 5 projects, minimum 3 projects should be with GIS integration.</p> <p>At least one of such projects should be for implementation of proposed OEM solution.</p> <p>Note : 1. For above experience, completed projects and ongoing projects whose go-live declared before date of publishing this tender shall be considered.</p> <p>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.</p> <p>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 the parent company or fully owned subsidiaries would be considered.</p> <p>Documents required: Documentary evidence such as LOA/PO/ WO or work completion certificates from clients preferably with contact details of clients. In case of a consortium, any one of the Consortium members should meet the requirement.</p>	<p>Clause deleted.</p>
15	<p>3. Qualifying Requirements</p> <p>A. Qualification Criteria for System Integrator (Bidder) Sr. no. 8</p>	<p>The CSP (Cloud Service Provider) should be a MeitY empaneled CSP and STQC Audit Compliant.**</p> <p>Documents required: Undertaking from the bidder on the letterhead of the company, mentioning that CSP is a MeitY Empanelled and STQC Audit Compliant CSP. Clause to be removed from bidder's QR and the same will be part of mandatory technical specifications.</p>	<p>Clause Deleted from QR.</p> <p>However, this requirement is part of mandatory technical specifications.</p>
16	<p>3. Qualifying Requirements</p> <p>B. Qualification Criteria for OEM of Network Analysis Solution Sr. no. 1</p>	<p>The Network Analysis solution must be Commercial off The Shelf (COTS) platform, configurable/customizable with the requirements of the department to reduce implementation efforts, time and cost. The Network Analysis solution must be comprising of modules such as network planning, Network configuration optimization, substation modelling, load flow, contingency analysis, reliability analysis from a single OEM.</p> <p>Documents required: Undertaking from OEM</p>	<p>The Network Analysis solution must be configurable/customizable with the requirements of the department to reduce implementation efforts, time and cost.</p> <p>Documents required: Undertaking from OEM</p>
17	<p>3. Qualifying Requirements</p> <p>B. Qualification Criteria for OEM of Network Analysis Solution Sr. no. 2</p>		<p>New Clause Added :</p> <p>The proposed solution should have following capabilities :</p> <ul style="list-style-type: none"> - Network planning, - Network configuration optimization, - Substation modelling, - Load flow, - Contingency analysis, - Reliability analysis - Harmonic Analysis <p>Documents Required : OEM's undertaking for successful implementation.</p>
18	<p>3. Qualifying Requirements</p> <p>B. Qualification Criteria for OEM of Network Analysis Solution Sr. no. 3</p>		<p>New Clause Added :</p> <p>OEM should have experience of implementation of at least 5 projects of Network Analysis in power sector in India, out of which minimum 3 projects should be with GIS integration.</p> <p>Documents Required : OEM's undertaking for successful implementation.</p>
19	<p>3. Qualifying Requirements</p> <p>C. Qualification Criteria for OEM of GIS Solution Sr. no. 1</p>	<p>The proposed GIS Solution should be successfully deployed and should be operational in at least 3 Power Utilities in India in past 7 years.</p> <p>Documents required: Copies of Purchase Order OR client certificate</p>	<p>The proposed GIS Solution should be successfully deployed and should be operational in at least 3 companies in Power Sector during past 7 years.</p> <p>Out of 3 above projects, at least 1 project should be implemented in India.</p> <p>Documents required: Copies of Purchase Order OR client certificate</p>

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20	SECTION-III SPECIAL CONDITIONS TO THE CONTRACT 29. TERMS OF PAYMENT 1. 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, post one month of Go-live	40% of respective product cost to be paid after successful Go-Live of respective solution as per the Specifications. 40% of respective product cost to be paid after the successful Stabilization of respective solution as per the Specifications 20% of respective product cost to be paid after stabilization over 5 years period in equated Quarterly instalments. Note: Warranty will start after Go-live and same shall include ATS of first year (if applicable).
21	SECTION-III SPECIAL CONDITIONS TO THE CONTRACT 29. TERMS OF PAYMENT 5. Software ATS Cost for 4 years	1/16th cost to be paid Quarterly at the end of each quarter for 4 years after the expiry of the OEM Warranty.	1/4th cost to be paid Annually at the beginning of each year for 4 years after 1 year of go-live declaration. Note : 1)ATS Charges are payable after 1 year of go-live declaration. 2)If go live is delayed, bidder is responsible for ATS charges for the gap period.
22		K.Milestones and Timelines:	Deleted. Refer SECTION-III SPECIAL CONDITIONS TO THE CONTRACT 28. IMPLEMENTATION TIMELINES
23	SECTION-III SPECIAL CONDITIONS TO THE CONTRACT 28. IMPLEMENTATION TIMELINES Sr. no. 1	Declaration of Go-live: After the implementation of the integrated Enterprise GIS solution and Enterprise Network Analysis solution Within 3 Months from the issuance of the Letter of Award	Declaration of Go-live: After the implementation of the integrated Enterprise GIS solution and Enterprise Network Analysis solution Within 4 Months from the issuance of the Letter of Award
24	SECTION-III SPECIAL CONDITIONS TO THE CONTRACT 28. IMPLEMENTATION TIMELINES Sr. no. 2	Stabilization acceptance: One month after Go-live of the integrated Enterprise GIS solution and Enterprise Network Analysis solution. One month after Go-live	Stabilization acceptance: One month after Go-live of the integrated Enterprise GIS solution and Enterprise Network Analysis solution. Two months after Go-live
25	"SECTION-III SPECIAL CONDITIONS TO THE CONTRACT 28. IMPLEMENTATION TIMELINES" Sr. no. 3	Deployment of Facility Management Services From Go-live of GIS and Network Analysis solution	Deployment of Facility Management Services 62 Months from Go-live of GIS and Network Analysis solution
26	SECTION-III SPECIAL CONDITIONS TO THE CONTRACT 26. CONTRACT PERFORMANCE SECURITY	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.	Clause Deleted
27	40. ANNEXURE B – Bid Proposal	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.	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 5% of the contract price after the receipt of the letter of intent accepting the bid.
28	5. Scope of Work F. Variation of Scope	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.	Deleted
29	SECTION-III SPECIAL CONDITIONS TO THE CONTRACT 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".	Time period of contract shall be 5 Years 6 months (66 Months) . The Zero date of the contract shall commence from the date of issue of "Award of Contract".
30	"SECTION-III SPECIAL CONDITIONS TO THE CONTRACT 27. Terms of Payment	Cloud Services Cost for 5 years: 1/20th cost to be paid quarterly	Cloud Services Cost for 5 years: Quarterly Equated cost to be paid after every quarter. Cloud services will be started after Go-Live declarations for maximum 62 months during contract period.

Annexure B - Corrigendum

Sr. no.	Reference	Existing Clause	Revised Clause
31	5.Scope of Work B. GIS SYSTEM a) General Requirements of GIS Solution Sr. no. X	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.	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 & mobile apps .
32	5.Scope of Work B. GIS SYSTEM a) General Requirements of GIS Solution Sr. no. xxiv.	xxiv. Bidder shall share all the source codes & software tools with installation media & configuration details with MSEDCL from day one.	xxiv. Bidder shall share all the source codes & software tools with installation media & configuration details with MSEDCL from day one. Source code of incremental customizations done during the contract period and installable media/links of latest COTS products to be shared after Go-Live.
33	5.Scope of Work B. GIS SYSTEM b) GIS Licencing Consideration:	iii. The GIS Developer package (with a similar configuration of the production system) shall be provided for 4 developers.	iii. The GIS Developer package (with similar product of production system) shall be provided for 4 developers.
34	"5. Scope of Work B. GIS SYSTEM a) General Requirements of GIS Solution Sr. no. xvi."	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.	Deleted
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	Deleted
36	40. ANNEXURE D - SCHEDULE OF PRICE BID Note:		Price Bid Format changed
37	ANNEXURE C – BID SECURITY FORMAT	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	The <<< insert name of bank>>> , (hereby agree unequivocally and unconditionally to pay at Mumbai within 3 working days on-demand in writing from the MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD. or any Officer authorized by it
38	ANNEXURE B – Bid Proposal	BID VAILIDITY: We confirm that all the terms and conditions and price of this proposal are valid for acceptance for a period of 90 days from the date of opening bid i.e upto _____	BID VAILIDITY: We confirm that all the terms and conditions and price of this proposal are valid for acceptance for a period of 180 days from the date of opening bid i.e upto _____
39	ANNEXURE-J – TECHNICAL PROPOSAL	We agree to keep this bid open for acceptance for a period of 90 days 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.	We agree to keep this bid open for acceptance for a period of 180 days 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.
40	5. Scope of Work J. Miscellaneous Points	iv. The solution provided by the Bidder must meet the System Response time of less than 10 seconds for View operations & 20 seconds for Query/Trace operations.	iv. The solution provided by the Bidder must meet the System Response time of less than 2 seconds for View operations & 10 seconds for Query/Trace operations.
41	"5. Scope of Work f)Business Continuity Services (Disaster Recovery):	vi.Failback scenario: The proposed solution should ensure failback 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.	Failback scenario: The proposed solution should ensure failback to original DC (Primary Availability Zone/Site) and should take care of replication of only delta (changed data after failover) from DR (Secondary Availability Zone/Site) to DC(Primary Availability Zone/Site).
42	7(f.) Subcontracting not allowed	The Bidder shall not be permitted to sub-contract any part of its obligations under the Contract.	Clause deleted
43	Section II-GCC 17.	b) Taking up a similar kind of project elsewhere during discharge of Duties/obligations under this contract.	Clause deleted
44	Section II-GCC 19 (g)	Remuneration to Bidder's Personnel	Clause 19(g) revised.
45	Section III-SCC 36	36. OTHER TERMS AND CONDITIONS iii. The MSEDCL may make modifications /revisions /changes /deletions in the scope of work from time to time and the same shall be complied with by the Bidder without prejudice to his rights under the contract.	iii. The MSEDCL may make modifications /revisions /changes /deletions in the scope of work from time to time and the same shall be mutually discussed and agreed with the Bidder.