

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED**  
**CIN No. : U40109MH2005SGC153646**

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SP/T-0814/0923

Date: 06.10.2023

**Amendment- I**

**Sub:-** Procurement and Installation of Centralized Visual Advance Monitoring System (CVAMS) at various critical 220 kV S/s and 400 kV Karjat S/s under Seven [7] EHV PCC O&M Zones of MSETCL against e-Tender SP/T-0814/0923 [RFx No.5000001145] submission due on 16.10.2023.

**- Issue of Clarifications/Amendment to tender document in response to Bidders queries thereof.**

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Please refer e-Tender No. SP/T-0814/0923 (Rfx No.5000001145) advertised for subject works.

In response to above tender, the **Clarifications / Amendments to Tender Specifications to queries raised by bidders during the Pre-bid meeting held on 25.09.2023 and informed by mail are enclosed herewith.**

All participants bidders are requested to take note of above and submit their bids accordingly. All other terms & conditions of the Tender Specifications remains unchanged.

The Due dates of Submission and Opening of Tender remains unchanged.

Sd/-

Executive Engineer (St-VIII)

**Design, Supply, Installation, Testing & Commissioning of Centralized Visual Advance Monitoring System (CVAMS)  
at various 400 kV & 220 kV S/s under control of MSETCL**

Sl. No.	RFP Document Reference (Volume)	Section #	Page #	Content of the RFP requiring clarification	Clarification Sought	MSETCL Reply
1	CCTV Specification 2023	7.2 SPECIFIC QUALIFYING REQUIREMENTS:	Page 26 of 62	The bidder shall make payment of EMD & Tender Fees online only.		
2	Section II	9.0 EARNEST MONEY DEPOSIT (EMD)	Page 4 of 12	Earnest Money Deposit should be @1% of the estimated value of the tender or Rs. 5000/- whichever is more. The maximum Earnest money deposit payable online against the tender shall be limited to Rs. 5,00,000/- (Rupees Five Lakhs). The EMD above Rs. 5,00,000 /- can be paid in the form of Bank Guarantee.	There is a discrepancy in both the mentioned clauses. We understand from the RFP that for this tender the EMD is INR 83,60,928.78 , so EMD shall be paid in the form of BG.	The EMD above Rs. 5,00,000 /- can be paid in the form of Bank Guarantee.
3	Section I	20.0 DELIVERY OF THE EQUIPMENTS	Page 10 of 12	Tenderer is requested to quote delivery F.O.R.DESTINATION only. Tenderer should quote clear delivery schedule in the format specified in tender documents. Offers, with qualified delivery schedule which directly or indirectly affects the Conditions of Tender & Supply given in Annexure 'A' shall be liable for rejection.	Annexure A mentioned in the given clause is missing the tender documents, requesting you to share the same.	Delivery Schedule is to be furnished in Annexure-F (Revised) which is attached in Tender Document under "Notes and Attachment".
4	CCTV Specification 2023	5.1 Specification for Cameras	Page 11 of 62	Motion Detection, Perimeter Guard, Motion Guard, Loitering Guard, Auto tracking & should have Machine Learning Processing Unit (MLPU).	We request you to kindly quantify the Nos of Video Analytics license required per cameras to be running. This shall help us to size the infra properly and propose the optimised solution.	It can not be quantified, as it will vary from site to site.
5	CCTV Specifications	CCTV Specifications	7 of 62	The system should facilitate viewing of live and recorded images and controlling of all cameras by the authorized users.	As per RFP,we understand that the authorized user licenses are required for viewing of the live and recorded feeds. Kindly provide the details of how many web and mobile client licenses need to be considered.	The no. of users will be varied from site to site, hence same can not be quantified.
6	CCTV Specifications	CCTV Specifications	7 of 62	The system shall provide sufficient storage of all the camera recordings for a period of atleast 15 days or more @ 25 FPS at individual stations, using necessary latest compression techniques for all cameras with various features of recording.	Kindly provide the bitrate and resolution at which camera feeds need to be recorded.	As per details mentioned in the Technical Specification
7	CCTV Specifications	CCTV Specifications	11 of 62	<b>5.0 SYSTEM SPECIFICATIONS</b> <b>5.1 Specification for Cameras</b> <b>Camera Type 1: Outdoor PTZ - 31x Zoom (Day &amp; Night)</b> Operating Temperature -50 °C to 50 °C	Kindly revise the clause to "Operating Temperature -20 °C to 50 °C " for wider OEM participation.	<b>Modification as below:</b> Operating Temperature -20 °C to 50 °C
8	CCTV Specification 2023, 5.4 Control Room Setup at each S/s	CCTV Specification 2023, 5.4 Control Room Setup at each S/s	18 of 62	Proposed control room setup should consists of designated space in all the substations along with required numbers of NVRs/Servers, software's, Switches, Storage, Monitors, Electro Magnetic Locks, Power Cables,/OFC/CAT-6, Server Racks, Centralized Monitoring and Control System etc. The control room shall have the instrument to monitor and control the entire system. The specifications of all components shall be strictly followed and shall be as per given technical specifications or better.	Kindly share the detailed Scope of Work for Proposed Control Room Setup Like Civil and Interior Works requirement, HVAC for Control Room, Access Control System, etc.	As per Tender Documents & as per site condition
9	3D GIS Survey/Planning	3D GIS Survey/Planning	20 of 62	The successful bidder has to complete the work of 3D mapping of all the sites (i.e. 102 S/s).	As per requirements in RFP, area to be mapped is not clearly mentioned. Please confirm about no. of Sq. km area to be mapped.	The typical dimension of 400 kV S/s is approx. 450X450 mtr. & of 220 kV S/s is approx. 250X250 mtr. However, it varies due to no. of bays.
10	3D GIS Survey/Planning	3D GIS Survey/Planning	20 of 62	Updation of high resolution Orthomosaic image overlay of Substation area on google earth for future inspection aspects	Request to mention the updation frequency.	During commissioning only
11	3D GIS Survey/Planning	3D GIS Survey/Planning	20 of 62	Updation of GIS network of our sub-station system	Kindly mention the frequency of updation	During commissioning only
12	BILL OF QUANTITY for 400 kV S/s	BILL OF QUANTITY for 400 kV S/s	47 of 62	3D GIS Survey	Please elaborate about the mentioned quantity in each BoQ, as 3D GIS Survey is generic term.	The typical dimension of 400 kV S/s is approx. 450X450 mtr.

Sl. No.	RFP Document Reference (Volume)	Section #	Page #	Existing Clause	Amended Clause
1	Clause No.1.0 of Section-III of Tender Document	Preamble	2 of 13	The bidder can bid for any number of package(s) and shall quote their price against each package considering all equipments and services as detailed in Bill of Quantity (Annexure-III of Technical Specification) for satisfactory operation of the system at various substations under EHV PCC O&M Zones of MSETCL.	The bidder shall bid for <b>all Seven [7] package(s)</b> and shall quote their price against each package considering all equipments and services as detailed in Bill of Quantity (Annexure-III of Technical Specification) for satisfactory operation of the system at various substations under EHV PCC O&M Zones of MSETCL. Note that <b>part bidding is not permissible</b> . The offers wherein the bidder has not quoted for all Seven [7] package(s) shall be treated as incomplete and shall be liable for rejection.
2	Clause No.3.0 of Section-III of Tender Document	Bid Evaluation	2 of 13	In respect of tenderer(s) whose techno-commercial bid is acceptable, their Price Bid (Part -II) shall be opened at a later date which shall be intimated to such tenderers separately.  Evaluation of the bid will be done for individual package on the total price of Supply, Installation, Testing & Commissioning (including all cess, taxes & duties as applicable) quoted by the bidder for respective package. The order (LOA) will be placed on the Lowest Acceptable offer (L-1) received against each package.	In respect of tenderer(s) whose techno-commercial bid is acceptable, their Price Bid (Part -II) shall be opened at a later date which shall be intimated to such tenderers separately.  The evaluation of the bid shall be done on the <b>total price</b> of Supply, Installation, Testing & Commissioning (including all cess, taxes & duties as applicable) quoted by the bidder for <b>all Seven [7] packages</b> . <b>The order (LOA) will be placed on the Lowest Acceptable Offer (L-1) received against the tender.</b>
3	Clause No. 9.0 of Section-III of Tender Document	Delivery	4 of 13	The bidder should provide the confirmation of delivery / delivery schedule alongwith Package quoted in the prescribed format (Annexure 'F').	The bidder should provide the confirmation of delivery / delivery schedule for all Seven [7] Package(s) in the prescribed format <b>Annexure 'F' (Revised)</b> .

**Note: All other Tender terms and conditions remains unchanged.**