

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED
CIN No. : U40109MH2005SGC153646

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SP/T-0619/0724

Date: 31.07.2024

CORRIGENDUM NO.1

Sub:- SITC of capacitor banks with GIS Bays of voltage ratings of 22kV, 33kV & 220kV---270 MVAR in Phase-VI [6.7] at various EHV substations under Pune & Vashi zone [1st call] against e-Tender No.SP/T-0619/0724 (Rfx No.7000032043) submission due on 09.08.2024.--- **Reply to Pre-Bid queries and extension in due date of submission and opening thereof.**

Please refer e-Tender No. SP/T-0619/0724 (Rfx No. 7000032043) advertised for subject works.

Bidders are requested to take a note that the **Reply to the Pre-Bid Queries** is attached herewith as “ANNEXURE-A” .

The Due dates of Submission and Opening of Tender are extended as under:

- i) Due date and time of Submission of bid : 21.08.2024 upto 17:00 Hrs.
- ii) Due date and time of Opening of bid : 21.08.2024 at 17:15 Hrs.

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

Sd/-
Executive Engineer (St-VI)

ANNEXURE-I

PRE-BID QUERY REPLY OF M/s.ESSKAY ELECTRICALS PVT.LTD. & M/S.AB CORPORATION,MUMBAI

Sr. No.	Reference Document/Clause no	Description	Existing Clause	Bidder's Query	MSETCL Reply
1	IFB /Eligibility (Technical Bid)/Clause no 2.1 C & D	Clarity on JV partner	As per clause 2.1 a & b Bidder can have JV withCapacitor bank manufacturer or vice versa.	As per clause 2.1 D, the Bidder can bid with Manufacturer authorization letter from Capacitor bank manufacturer , however Can EPC/Contractor as a bidder make JV with other EPC / Contractor having GIS experience.	As per clause 2.1 (d) The bidder should be EHV EPC/Turnkey Contractor in any of the Power Transmission Licensee in India, having valid Manufacturers Authorization Form (MAF) from MSETCL's approved Vendor of Capacitor bank. Tender conditions of Capacitor bank & GIS have to be fulfilled by bidder.
2	IFB /Eligibility (Technical Bid)/Clause no 2.3	Clarification on experience of work executed	As per clause, work experience along with performance certificate of 1 year is required to be eligible.	As per this clause, only Work order/supply order is sufficient to qualify this criteria, please clarify.	No. As per Tender Terms and condition.
3	IFB /Eligibility (Technical Bid)/Clause no 3.2	Minimum Annual Average Turnover requirement is 60% of Tender estimate cost of Rs. 66.19Cr i.e around 39.71Cr	In case of JV, Lead member shall meet not less than 60% and the other member not less than 40% of the Minimum Annual Average Turnover.	Request to clarify in case of JV lead member shall meet 60% of required minimum annual average turnover & Second member shall meet 40% of required minimum annual average turnover i.e. 39.71 Cr.	As per Tender Terms and condition
4	IFB /Eligibility (Technical Bid)/Clause no 6	Regarding Performance Bank Guarantee	Performance Guarantee shall be for an amount of equal to 10% of the contract price.	Request you to make Performance Bank Guarantee 5% instead of 10% as of in other state utility work i.e. Mahadiscom, Mahagenco, MIDC.	As per Tender Terms and condition
5	IFB /Eligibility (Technical Bid)/Clause no 7.2	Satisfy 100% Individual technical qualifying criteria.	One consortium partner should individually satisfy 100% individual technical Qualifying criteria as mentioned in the qualifying requirements.	As said tender have two major equipment scope i.e GIS & Capacitor bank under single Technical qualifying criteria. Is it means that at least one JV partner shall meet both GIS & Capacitor bank qualifying criteria? Or One partner shall meet GIS qualifying criteria & other JV partner shall meet Capacitor bank qualifying criteria. Please clarify.	As per tender Cl. 7.2, Capacitor bank manufacturer shall meet qualifying criteria of capacitor bank TQR and GIS bay manufacturer shall meet qualifying criteria of GIS TQR.
6	Tender estimate for 220KV GIS bays	Tender estimate & Technical description of 220KV GIS bays.	As per Tender estimate & Technical description of 220KV GIS bays, the Surge arrester has been mentioned in GIS description	1) Pls clarify it is GIS surge arrester on GIS or separate Conventional AIS Surge arrester to be mounted outside GIS bay. If separate then it has not been considered in estimate. Pls check & revert 2) Pls also clarify the required GIS bay is for Single Bus arrangement or Double Bus arrangement.	As per tender document price shchedule, 1.1 Surge arrestors are considered with GIS unit for 220kv & 33kv capacitor Bank with GIS switchgear bay. 1.2. For 220 Hinjewadi SS & 132kv Dahanu, 220kv Kamba SS, 220kv Nalasopara SS, 220kv Temghar, conventional AIS Surge arrester is considered in price schedule. 2. Bidders are requested to arrange for site visit to ascertain Bus Arrangement & Surge arrestors.

ANNEXURE-I

PRE-BID QUERY REPLY OF M/S.HITACHI ENERGY, MUMBAI & M/S.IDEAS ELECTRICAL & ENGINEERS PVT. LTD.,CSN

Sr. No.	Description	Existing Clause	Bidder's Query	MSETCL Reply
1	Technical Specification for Hybrid Switchgear MSETCL/CO/DESIGN/D&E-S/HYB/JUL-2019	4.8 Page-7 All necessary interlocks shall be provided to prevent any mal operation of the switchgear. Electrical and Mechanical interlocking between breaker and the disconnecter/earthing switch shall be always available. Disconnecting function shall be combined with the earthing switch.	Electrical interlocking is provided between breaker and the disconnecter/earthing switch as mechanical interlocking is not possible. Kindly accept.	Accepted.
2	Technical Specification for Hybrid Switchgear MSETCL/CO/DESIGN/D&E-S/HYB/JUL-2019	4.12. Page 8 : Each circuit breaker shall be equipped with two trip coils. CB should be suitable for remote operation. Main contact position of all three poles must be indicated by directly activated auxiliary position. At least 10 NO + 10 NC contacts shall be provided. 4.14. Page 8 : The actual position of each Isolator (Disconnecter) & earthing switch shall be indicated by mechanically coupled auxiliary switches. Mechanical indicators connected directly and permanent to the drive mechanism shaft are required to display the actual position. At least 8 NO + 8NC contacts shall be provided.	The electrical Interlocking between CB & both Isolators is already provided using CB auxiliary contacts. Hence less no. of auxiliary contacts will be required by MSETCL. We confirm to provide 4 NO + 4 NC direct auxiliary contacts for customer use in the Local Control Cubicle for CB & 3 NO + 3 NC direct auxiliary contacts for customer use in the Local Control Cubicle for combined Disconnecter & earthing switch. Requirement of additional auxiliary contacts if required shall be meet by means of contactmultiplying relay. Kindly give your acceptance for the same.	Accepted.
3	Technical Specification for Hybrid Switchgear MSETCL/CO/DESIGN/D&E-S/HYB/JUL-2019	5.1.11 Page 12 : Closing coil and trip coil shall operate correctly at all values of voltage between 85% to 110% and 70% to 110% of the rated voltage respectively.	Trip coils will be having range of 85% to 110% of the rated voltage. Please accept.	As per technical specifications.
4	Technical Specification for Hybrid Switchgear MSETCL/CO/DESIGN/D&E-S/HYB/JUL-2019	7.1.1 Page 18 : The Hybrid Switchgear offered should have been successfully type tested at any of the internationally accredited laboratories or NABL accredited Laboratory in India in line with relevant Standards and the Technical Specifications within the last 10 (Ten) years prior to the date of opening of the Tender	Validity : As per latest CEA guidelines the type test report validity is 15 years for GIS & Hybrid Switch gear. Hence please accept 15 years validity for Type test. Lab : Some of the type test are done in manufacturer lab and witnesses by accreditation agency of country. Kindly accept.	Validity of Type Test Report will be accepted as per CEA Regulations. The type tests conducted in-house by manufacturers shall also be acceptable provided the lab is accredited by National Accreditation Body of the Country and the tests have been witnessed by a representative of accreditation agency of country.
5	Technical Specification for Hybrid Switchgear MSETCL/CO/DESIGN/D&E-S/HYB/JUL-2019	7.1.1 Page 19 : 9. Environmental tests - Cold test - Dry heat test - Damp heat, steady state test - Cyclic humidity test - Vibration response and seismic tests - Final condition check	Environmental test are not applicable.	Accepted.
6	Technical Specification for Hybrid Switchgear MSETCL/CO/DESIGN/D&E-S/HYB/JUL-2019	7.2 Test 9 Page 19 : Routine Test : PD Test.	PD test is not possible on Hybrid switchgear due to outdoor bushing.	As per technical specifications.
7	Technical Specification for Hybrid Switchgear MSETCL/CO/DESIGN/D&E-S/HYB/JUL-2019	GTP Page 24 : Whether Certificate of Accreditation of laboratory, where type tests are conducted enclosed?	Some of the type test are done in manufacturer lab and witnesses by accreditation agency of country. Kindly accept.	The type tests conducted in-house by manufacturers shall also be acceptable provided the lab is accredited by National Accreditation Body of the Country and the tests have been witnessed by a representative of accreditation agency of country.

Sr. No.	Description	Existing Clause	Bidder's Query	MSETCL Reply
8	<p>BOQ of 220kV GIS for Kolshet, Kamba, Nallasopara, AKP, Temghar, Colourchem Substation.</p> <p>IFB 6.7 Clause 3.0 (g) General Points.</p>	<p>BOQ is given as per standard GIS requirement including Fast Acting Earthing Switch, Cable Termination & Surge Arrestor as given below:</p> <p><i>3- Ø 220 kV, 2000 A, 50 kA-3 sec, metal enclosed SF6 Gas Insulated Switchgear - Line bay Module comprising (1) Circuit breaker (2) Current transformer 800-400/1 A - (1 Set - 3 Nos.) (PS,PS,0.2S,PS,PS) (3) Line side Disconnecter with one maintenance earthing switch (4) High speed/Fast Acting Line Earthing switch (5) Bus Disconnecter with Earthing switch (Bus side common earthing switch for two bus) (6) Bus Disconnecter without Earthing switch (7) 3 Phase, Single pole, Plug in type cable termination or each phase - 1 (Set) including male and female termination kits (8) LCC Panel & cables between GIS and LCC (9) 3 X Single phase line side surge arrester (10) Required intermediate compartments for service continuity 11) All other items required which may not be mentioned in specification for successful commissioning of GIS.</i></p>	<p>As per IFB 6.7 Clause 3.0 (g) General Points, Hybrid Switchgear is acceptable where GIS bays requirement is mentioned.</p> <p>For Hybrid switchgear the bays consist of Circuit Breaker, Current Transformer, Line & Bus Side Disconnecter with Earthing switch and SF6 to Air Bushing for connection to Line side & Bus side. Fast Acting Earthing Switch is not required as no cable is used. Cable Termination is not applicable. Surge Arrestor is used conventional type as written in BOQ also.</p> <p>Please accept.</p>	<p>As per technical specifications.As per tender document price shcedule, 1.1 Surge arrestors are considered with GIS unit for 220kV & 33kV capacitor Bank with GIS switchgear bay.</p> <p>1.2. For 220 Hinjewadi SS & 132kV Dahanu, 220kV Kamba SS, 220kV Nalasopara SS, 220kV Temghar, conventional AIS Surge arrester is considered in price schedule. Bidders are requested to arrange for site visit.</p>
9	<p>BOQ of 220kV GIS for Kolshet, Kamba, Nallasopara, AKP, Temghar, Colourchem Substation.</p> <p>IFB 6.7 Clause 3.0 (g) General Points.</p>	<p>BOQ is given as per standard GIS requirement including Fast Acting Earthing Switch, Cable Termination & Surge Arrestor as given below:</p> <p><i>3- Ø 220 kV, 2000 A, 50 kA-3 sec, metal enclosed SF6 Gas Insulated Switchgear - Line bay Module comprising (1) Circuit breaker (2) Current transformer 800-400/1 A - (1 Set - 3 Nos.) (PS,PS,0.2S,PS,PS) (3) Line side Disconnecter with one maintenance earthing switch (4) High speed/Fast Acting Line Earthing switch (5) Bus Disconnecter with Earthing switch (Bus side common earthing switch for two bus) (6) Bus Disconnecter without Earthing switch (7) 3 Phase, Single pole, Plug in type cable termination or each phase - 1 (Set) including male and female termination kits (8) LCC Panel & cables between GIS and LCC (9) 3 X Single phase line side surge arrester (10) Required intermediate compartments for service continuity 11) All other items required which may not be mentioned in specification for successful commissioning of GIS.</i></p>	<p>Kindly provide the SLD & Layout to understand the busbar scheme of each substaions , for finalizaing GIS/ H GIS configurations.</p>	<p>Bidders are requested to arrange for site visit to ascertain exact requirement.</p>

ANNEXURE-I

PRE-BID QUERY REPLY OF M/s.SHREEM ELECTRIC LTD.,JAYSINGPUR

Sr. No.	Description	Existing Clause	Bidder's Query	MSETCL Reply
1	PV is applicable for Major equipments i.e. Circuit breakers, instrument transformers, isolators, relay panels, structural steel, and control and power Cables, Conductors, Lightning Arrester. For all other materials/equipments PV is not applicable.	Page No.14, Book-I, CL-8.3.3	Please note that All other State Electricity Boards are paying PV as applicable as per IEEEMA PV Clause. Further Capacitor RAW materials are imported and also Series Reactors are manufactured from Aluminium/Copper and hence prices are always volatile and depends upon International/Local markets Tariffs.Hence Kindly allow PV clause for Capacitor and Reactors also. We are enclosing herewith other utility tender clauses for your reference	No Change. As per Tender documents.
2	C&R Panel		In Tender Document, C&R Panel specification covers feeder panels. We request you to kindly provide C&R Panel Specification for Capacitor Bank Only	Protection philosophy will be finalised during detailed engineering / approval stage.
3	Capacitor & Series Reactor	GENERAL TECHNICAL REQUIREMENTS: Cl. 6.2 The shunt capacitor should be designed for satisfactory operation even with presence of Harmonics in the system. For the purpose of shunt capacitor design, values of 6%, 3%, 8% and 2% of second, third, fifth and seventh Harmonic level should be assumed.	Please note that as per GTP & Price schedule, Series Reactor is 0.2 % which is to limit inrush current & not as per Harmonic load condition. Hence we request you to kindly confirm Series Reactor %.	As per technical specification.
4	GIS Qualification RFx No. 700032043	1) Capacitor Qualification 2) GIS Qualification	In addition to Capacitor Bank Qualification GIS Qualification is also mentioned in specification. Hence Two separate qualifications provided. For any bidder it is very difficult to meet both qualifications. We request you to kindly consider Capacitor Qualification only.	As per tender Cl. 7.2, Capacitor bank manufacturer shall meet qualifying criteria of capacitor bank TQR and GIS bay manufacturer shall meet qualifying criteria of GIS TQR.
5	Request for Extension of Due Date of tender		This project involves lot of activities like taking BG, CA Certificate, bought out quotations, etc. Also quantity in this project is also large and Time for preparation of offer is very short. Hence, We request you to kindly extend due date of tender by atleast 21 days.	No extension provision as mentioned in tender document.