

MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD
(CIN No. U40109MH2005SGC153646)

From The Chief Engineer (C&M), 5 th Floor, A-Wing, Prakashganga, C-19, "E" Block, Bandra – Kurla Complex, Bandra (East), Mumbai – 400 051. Tel: 022-2659 5125 (O)/022-2659 5124 (P) E-mail: cecm@mahatransco.in	To M/s Sharvari Electricals 501-504, “ Sai Business Center” Near Utsav Mangalkaryalay, Osmapura, Aurangabad – 431005, Maharashtra Tel:- 0240 – 2344375 Email:- sales@sharvarielectricals.com
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MSETCL/CO/C&M/SS Pre Tender/

NO 4332

Date:

10 JUN 2019

Sub: Letter of Award for “Construction of 132kV End bays and 25MVAR reactor under Green Energy Corridor project, Nashik I, Maharashtra. (Part B)” on turnkey basis against tender no. T-1881 (RFx no. 6000000664).

Ref: 1) Tender No. T-1881/MSETCL/CO/C&M/PT/SS Pre Tender
2) Your offer dtd. 17.12.2018 against subject tender.
3) Scheme B.R. No. 98/8 dtd. 16.03.2015
4) Tender acceptance vide CMD/MSETCL/1431 dt 29.05.2019

Dear Sir,

In connection with above subject, we are pleased to inform you that your above referred offer for the supply portion has been accepted for the work of “Construction of 132kV End bays and 25MVAR reactor under Green Energy Corridor project, Nashik I, Maharashtra. (Part B)” on turnkey basis. The details are as follows.

Sr. No.	Description of works	Final Price quoted in Rs.
1	Construction of 132kV End bays and 25MVAR reactor under Green Energy Corridor project, Nashik I, Maharashtra. (Part B) on turnkey basis for following scope of work:- 1) 1 X 132 KV End bay at 132kV Manmad S/s 2) 2 X 132 KV End bay at 220kV Pimpalgaon S/s. 3) 1 x 25MVAR Bus reactor at 220kV Dhule S/s	<p>For Supply - Rs. 5,86,61,584.00 (4.12 % Above tender estimate cost for supply work)</p> <p>For ETC – Rs. 26,04,968.00 (4.12 % Above tender estimate cost for erection work)</p> <p>For Civil – Rs. 89,77,466.00 (4.12 % Above tender estimate cost for civil work)</p> <p>Total – Rs. 7,02,44,018.00 (4.12 % Above tender estimate cost) (Including all Taxes & Duties)</p>

(Rs. Seven Crores Two Lakhs Forty Four Thousand and Eighteen only)

The activity schedule for Supply, ETC & Civil works is enclosed herewith.

It may please be noted that the scope shall also include Supply, ETC & Civil of all equipment's/materials, design of civil works and required materials which are not specifically listed in your offer but are necessary in order to meet the requirements of the construction of End bays as per tender specifications in all respect. Detailed terms and conditions will be as per the tender specifications, amendments thereof, your offer, clarifications thereon and contract agreement being executed shortly. The balance excess/extra material will not be accepted by MSETCL. Therefore the agency should take care for appropriate supply of material to complete the turnkey project. The work of above End bays has to be completed within 12 months from the date of handing over of site (including monsoon).

You are requested:-

1. To intimate the acceptance of this LoA within 10 days from receipt of LoA.
2. To submit the bar chart indicating all activities for completion of the End bays within 10 days.
3. To submit price schedule with detailed break up of unit rate into ex-works, taxes etc. within 10 days from receipt of LoA.
4. To complete the formalities like furnishing of Performance Bank guarantee as per the Clause No. 6.0 of Section-II of Book-I in prescribed format so that the contract agreement can be finalized.

Thanking you.

Yours faithfully,



Chief Engineer (C&M)

Encl: Activity schedule.

Copy s.w.rs. to:

The Director (Projects), MSETCL, Mumbai.

Copy f.w.cs. to:

- 1) The C.E., EHV PC O&M Zone, MSETCL, Nashik.
- 2) The C.E., Project Scheme/Civil, MSETCL, Mumbai.
- 3) The C.G.M. (F&A), MSETCL, Mumbai.

Copy to:

- 1) The G.M. (F&A, Projects), MSETCL, Mumbai.
....This is as per the draft LOA pre-audited vide O.N. No. G.M. (F&A) – III/337 dtd 26.2.19
- 2) The S.E., EHV Projects Circle, MSETCL, Nashik..
- 3) The S.E., EHV Civil CCM Circle, MSETCL, Nashik.
- 4) The S.E. (Post Tender), C.O. MSETCL, Mumbai.
- 5) The E.E., EHV Projects Division, MSETCL, Nashik..
- 6) The E.E., EHV Civil CCM Division, MSETCL, Nashik.
- 7) The E.E. (Design)/(Protection), C.O. MSETCL, Mumbai.
- 8) The E.E., FTU, MSETCL, Mumbai.For further needful

Activity Schedule for Supply of Material

Tender No.: T-1881/MSETCL/CO/C&M/PT/SS Pretender (RFx No. 6000000664)
Name of Work: Construction of 132kV End bays under Green Energy Corridor project, Dist. Beed, Maharashtra. (Part B)
Name of Contractor: **M/s Sharvari Electricals**
Completion Period: 12 months from the date of handing over of site.

Sr.No.	Name of the material	Scheduled period for supply of material from the date of handing over of site	Hold point for payment
1	Soil investigation, Drawing submission i.e. layout, Erection Key Diagram, Gantry Structure, Equipment Structure, Earth mat Design, Cable Trench, Control Room & Foundation Drawing etc.	Submission within 30 days	
2	Gantry Materials	Commencement after 30 days & completion within 120 days.	Gantry material should be as per approved layout & site requirement and equivalent to gantry foundations casted.
3	Equipment Structures	Commencement after 30 days & completion within 120 days.	Equipment structures should be as per requirement worked out from approved layout and equivalent to respective equipment foundations casted.
4	Conductor, Insulators Hardwares etc.	Commencement after 75 days & completion within 180 days.	Completion of 100% gantry foundations & 50% gantry erection.
5	CTs, PTs, LA, Isolator, BPI, CC, WT, Clamp & Connectors, M.K.	Commencement after 90 days & completion within 240 days.	1. Completion of erection of 100% gantries with bus bar stringing. 2. Erection of respective equipment structure.
6	MS Flats, CI Pipes, Earthing Material, Yard Lighting, ACDB, Power & Control Cables, Cable Trays,	Commencement after 120 days & completion within 200 days.	Material should be as per finalization of BoQ by Engineer in charge as per actual requirement based on approved drawing and erection of 100% gantries with bus bar stringing.
7	Circuit Breakers	Commencement after 200 days & completion within 270 days	1. Completion of all equipment foundations & erection of it, 100% gantries with bus bar stringing and transformer plinth, completion of 100% cable trench with laying of cable trays. 2. Completion of unfinished main control room * and 100%

			BCR.
8	PLCC Equipments, HF Cable, PLCC Panels/DCDB, etc.	Commencement after 200 days & completion within 250 days.	Completion of all bay equipments except circuit breaker, power transformer / ICT and complete finishing of PLCC room.
9	Control & Relay Panels, & Fire Fighting Equipment's.	Commencement after 300 days & completion within 365 days.	Completion of control room, bay control rooms & erection of respective bay equipments & laying of respective control cable.
Note: 1. The contractor may supply the material prior to schedule delivery period. However, the payment eligibility will be as per hold points indicated above. 2. *Unfinished control room: Completion of slab, brick work & plastering. 3. It is mandatory for agency to take possession of site within 30 days from the date of issuance of LOA.			

Activity Schedule for Erection Work

Tender No.: T-1881/MSETCL/CO/C&M/PT/SS Pretender (RFx No. 6000000664)
Name of Work: Construction of 132kV End bays under Green Energy Corridor project, Dist. Beed, Maharashtra. (Part B)
Name of Contractor: **M/s Sharvari Electricals**
Completion Period: 12 months from the date of handing over of site.

Sr.No.	Activity	No.of days/months from the date of handing over of site		Hold point for payments	Remarks
		Commencement	Completion		
	ERECTION				
1	Mobilization of gang	Within 30 days			
2	Arrangement of work and power supply, tests etc.	Within 30 days			
3	Erection of gantry structures and stringing of bus bar	Within 75 days	Within 120 days.		
4	Equipment structures	Within 75 days	Within 135 days.		
5	CT, PT, LA, Isolator, & BPI	Within 120 days	Within 200 days.		
6	Earthing, layout of earth mat, cable laying, cable trenches & yard lighting	Within 150 days	Within 210 days.		
7	PLCC equipments i.e. WT CC, DCDB, & PLC terminal	Within 180 days	Within 240 days.		
8	Installation of C&R panels	Within 180 days	Within 240 days.		
9	Pre commissioning trials/testing.	Within 220 days	Within 245 days.		
10	Electrical installation.	Within 180 days	Within 365 days.		

Activity Schedule for Civil Work

Tender No.: T-1881/MSETCL/CO/C&M/PT/SS Pretender (RFx No. 6000000664)
 Name of Work: Construction of 132kV End bays under Green Energy Corridor project, Dist. Beed, Maharashtra. (Part B)
 Name of Contractor: **M/s Sharvari Electricals**
 Completion Period: 12 months from the date of handing over of site.

End Bay

Sr.No.	Activity	No. of days/months from the date of handing over of site		Hold point for payments	Remarks
		Commencement	Completion		
(A)	CIVIL WORKS				
1	Visit to site, collection of site details. Layout, Preparation of Action plan and Bar chart.	Within 10 days		The in charge S.E., to be contacted and joint visit to be undertaken with official nominated by him.	
2	Establishment of site store, construction of store shed	Within 10 days	Within 30 days	Location to be got approved from Engineer in charge.	
5	Collection/ finalization of foundation drawings	Within 30 days		Soil details within soil investigation report to be furnished with report of site visit duly certified by Engineer in charge of works (Addl.EE/EE).	
6	Civil foundation for:				
	Gantries	Within 30 days	Within 150 days		
	Equipments	Within 30 days	Within 150 days		
7	Cable Trench with Covers	Within 90 days	Within 180 days		
8	Metal Spreading, laying G.I. Pipe lines.	Within 250 days	Within 320 days		

Activity Schedule for Civil Work

SRM e -Tender No. : T -1881/MSETCL/CO/C&M/PT/SS Pretender (RFx No. 6000000664)

Name of Work : 1 no. of 25MVAR Bus reactor under Green Energy Corridor project,
Maharashtra.

Name of Contractor : M/s Sharvari Electricals

Completion Period : 12 months from the date of handing over of site.

Bus Reactor

Sr. No	Activity	No. of days/months from the date of handing over of site		Hold point for payments
		Commencement	Completion	
1	Visit to site, collection of site details. Layout, Preparation of Action plan and Bar chart.		within 30 days	The agency should contact in charge S.E. & joint visit to be under taken with official nominated by him.
2	Establishment of site store, construction of store shed.		within 30 days	Location to be got approved from Engineer in charge.
3	Collection/finalization of foundation drawings of all Civil Structure.	within 30 days	within 45 days	Shall be approved from S.E. (Civil) of field/Corporate Office.
4	WBM Road.	within 25 days	within 50 days	
5	Rail track	within 50 days	within 120 days	
6	Civil foundation			
	Gantries	within 30 days	within 100 days	
	Equipment	within 30 days	within 100 days	
	Reactor Foundation	within 45 days	within 150 days	
7	RCC culvert	within 80 days	within 180 days	
8	Metal Spreading, Earthing Pipeline & etc.	within 250 days	within 320 days	