

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

<p>From The Chief Engineer (C&M), 5th 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</p>	<p>To M/s Sterling & Wilson Pvt. Ltd in Consortium with M/s NHVS, China Universal Majestic, 9th Floor, P.L.L.Lokhande Marg, Chembur (W) Mumbai 400 043 Tel: 022-25485300 Email: swatikamble@sterlingwilson.com</p>
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MSETCL/CO/C&M/Pre Tender/

No 06007

Date: - 8 AUG 2019

Sub: Letter of Award for “Establishment of 220/33 kV GIS substation at New Timber Market Panvel, Dist. Raigad under Vashi zone on turnkey basis against tender no. T-1885 (RFx no. 6000000671)”.

- Ref:**
- 1) Tender No. T-1885/MSETCL/CO/C&M/T/Pre Tender.
 - 2) Your offer dtd. 14.01.2019 against subject tender.
 - 3) Scheme B.R. No. 127/26 dt 23.03.2018.
 - 4) Tender acceptance B.R. No.136/08 dated 29.07.2019.
 - 5) MERC approval L.No MERC/Capex/MSETCL/2018-19/1236 dated 07/09/2018

Dear Sir,

In connection with above subject, we are pleased to inform you that your above referred offer for the work of establishment of 220/33 kV GIS substation at New Timber Market Panvel, Dist. Raigad under Vashi zone has been accepted. The details are as follows.

Part A- Supply of materials

Description of works	Final Price quoted in Rs.
<p>Supply of equipments and materials for the work of establishment of 220/33 kV GIS substation at New Timber Market Panvel, Dist. Raigad under Vashi zone for following scope of work:-</p> <ol style="list-style-type: none"> 1. 50 MVA, 220/33 kV T/F along with bays –02 Nos. 2. 220 kV line bays –4 Nos. 3. 33 kV Feeder bays –06 Nos. 	<p>Rs. 31,60,40,265.11 (Including all Taxes & Duties) 15.62 % below tender estimate cost for Supply work</p>

(Rs. Thirty One Crore Sixty Lakhs Forty Thousand and Two Hundred Sixty Five and Eleven Paise Only.)

The activity schedule for supply work is enclosed herewith.

It may please be noted that the scope shall also include supply of all equipments/materials which are not specifically listed in your offer but are necessary in order to meet the requirements of the substation 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 substation has to be completed within 18 months from the date of handing over of site (including monsoon).

Part B – ETC of materials

Description of works	Final Price quoted in Rs.
<p>Erection, Testing & Commissioning of equipments and materials for the work of establishment of 220/33 kV GIS substation at New Timber Market Panvel, Dist. Raigad under Vashi zone for following scope of work:</p> <ol style="list-style-type: none"> 1. 50 MVA, 220/33 kV T/F along with bays –02 Nos. 2. 220 kV line bays –4 Nos. 3. 33 kV Feeder bays –06 Nos. 	<p>Rs. 90,55,616.10 (Including all Taxes & Duties) 1.91% above tender estimate cost for erection work</p>

(Rs. Ninety Lakhs Fifty Five Thousand Six Hundred Sixteen and Ten Paise only.)

The activity schedule for erection work is enclosed herewith.

It may please be noted that the scope shall also include erection, testing and commissioning of all equipments/materials which are not specifically listed in your offer but are necessary in order to meet the requirements of the substation 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 work of above substation has to be completed within 18 months from the date of handing over of site (including monsoon)

Part C- Civil works

Description of works	Final Price quoted in Rs.
<p>Civil works for establishment of 220/33 kV GIS substation at New Timber Market Panvel, Dist. Raigad under Vashi zone for following scope of work:-</p> <ol style="list-style-type: none"> 1. 50 MVA, 220/33 kV T/F along with bays –02 Nos. 2. 220 kV line bays –4 Nos. 3. 33 kV Feeder bays –06 Nos. 	<p>Rs. 7,62,59,601.13 (Including all Taxes & Duties) 3.29 % below tender estimate cost for civil work</p>

(Rs. Seven Crore Sixty Two Lakhs Fifty Nine Thousand Six Hundred One and Eighty Thirteen Paise only.)

The activity schedule for civil works is enclosed herewith.

It may please be noted that the scope of civil work shall also include 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 substation 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 substation has to be completed within 18 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 S/S within 10 days.
3. To submit price schedule with detailed break up of unit rate into ex-works price, tax, freight & insurance 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.
5. As per IFB 3.2.3 of Manufacturer(s) / Collaborator(s) shall furnish additional performance guarantee for an amount of 10% of the ex-works cost of GIS equipment(s) to MSETCL.

Thanking you.

Encl: Activity schedules.

Copy s.w.rs. to:

- 1) The Director (Projects), MSETCL, Mumbai.

Copy f.w.cs. to:

- 1) The C.E., EHV PC O&M Zone, MSETCL, Vashi.
- 2) The C.E., Civil/D&P/AC&I, MSETCL, Mumbai.
- 3) The C.G.M. (F&A), MSETCL, Mumbai.

Copy to:

- 1) The G.M. (F&A, Projects), MSETCL, Mumbai.
- 2) The S.E., EHV Projects Circle, MSETCL, Kalwa.
- 3) The S.E., EHV Civil CCM Circle, MSETCL, Kalwa
- 4) The S.E. (Post Tender), C.O. MSETCL, Mumbai.
- 5) The E.E., EHV Projects Division, MSETCL, Kalwa.
- 6) The E.E., EHV Civil CCM Division, MSETCL, Kalwa.
- 7) The E.E. (Design), C.O. MSETCL, Mumbai.
- 8) The E.E., FTU, MSETCL, Mumbai.For further needful

Yours faithfully,

Chief Engineer (C&M)

Activity Schedule for Supply of Material

Tender No.: SRM e-Tender No. T-1885/MSETCL/CO/C&M/Pre-T/SSPre-Tender
Name of Work: Establishment of 220/33 kV GIS substation at New Timbar Market Panvel,
Dist. Raigad under Vashi zone.
Name of Contractor:
Completion Period: 18 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, Earth mat Design, Cable Trench, Control Room & Foundation Drawing etc.	Submission within 30 days	
2	Conductor, Insulators Hardwares etc.	Commencement after 90 days & completion within 270 days.	Completion of 100% jumpering works.
3	GIS Bays	Commencement after 240 days & completion within 360 days.	Completion of erection of 100% GIS Bays.
4	MS Flats, CI Pipes, Earthing Material, Yard Lighting, ACDB, Power & Control Cables, Cable Trays, Emergency Lightning System	Commencement after 90 days & completion within 240 days.	Material should be as per finalization of BoQ by Engineer in charge as per actual requirement based on approved drawing and erection of earthing equipments, cable trench, laying of earthmat and control cable.
5	T/F, Station Transformer	Commencement after 240 days & completion within 360 days	Completion of ICT plinth, construction/erection of all equipments foundations/structure required for station T/F.
6	HF Cable, DCDB, PLCC Panels etc.	Commencement after 180 days & completion within 360 days	Completion of DCDB room.
7	Control & Relay Panels, SCADA, Battery Sets, Battery Chargers & Fire Fighting Equipments.	Commencement after 240 days & completion within 360 days	Completion of control room and laying of respective control cable. Completion of Battery room.
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.: SRM e-Tender No. T-1885/MSETCL/CO/C&M/Pre-T/SSPre-Tender
Name of Work: Establishment of 220/33 kV GIS substation at New Timbar Market Panvel,
Dist. Raigad under Vashi zone.
Name of Contractor:
Completion Period: 18 months from the date of handing over of site.

Sr. No.	Activity	No. of days/months from the date of handing over of site	
		Commencement	Completion
ERECTION			
1	Mobilization of manpower and T&P.	Within 30 days	
2	Conductor, Insulators Hardwares etc.	within 180 days	Within 360 days
3	GIS Bays	within 240 days	Within 420 days.
4	MS Flats, CI Pipes, Earthing Material, Yard Lighting, ACDB, Power & Control Cables, Cable Trays, Emergency Lightning System	Within 180 days	Within 270 days.
5	T/F, Station Transformer	Within 240 days	Within 390 days
6	HF Cable, DCDB, PLCC Panels etc.	Within 240 days	Within 360 days
7	Control & Relay Panels, SCADA, Battery Sets, Battery Chargers & Fire Fighting Equipments.	Within 300 days	Within 420 days

Activity Schedule for Civil Work

Tender No.: SRM e-Tender No. T-1885/MSETCL/CO/C&M/Pre-T/SSPre-Tender

Name of Work: Establishment of 220/33 kV GIS substation at New Timbar Market
Panvel, Dist. Raigad under Vashi zone.

Name of Contractor:

Completion Period: 18 months from the date of handing over of site

Sr. No	Activity	Commencement	Completion	Remarks
1	Visit to site, collection of site details. Layout, organizing soil investigation and submission of reports to Corporate Office and field office.	Within 10 days		The in charge S.E., to be contacted and joint visit to be undertaken nominated by him.
2	Establishment of site store, construction of store shed/Labour Camp	Within 10 days	Within 30 days	Location to be got approved from Engineer in charge.
3	Collection/ finalization of foundation drawings & control room drawing	Within 15 days	Within 45 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).
4	Land development	Within 30 days	Within 120 days	
5	Compound wall/ retaining wall/ Fencing/ watch men cabin	Within 30 days	Within 210 days	The scope of work and estimated cost to be got approved from S.E.(Civil) In charge of works
6	Approach Roads, Rail track works	Within 45 days	Within 90 days	
7	Civil foundation for:			
	Gantries	Within 60 days	Within 150 days	
	Equipments	Within 90 days	Within 270 days	
	Transformers	Within 60 days	Within 180 days	

	Cable Trench	Within 120 days	Within 270 days	
8	33KV GIS Building			
	i)Foundations	Within 45 days	Within 105 days	
	ii)Brick work upto lintel	Within 105 days	Within 150 days	
	iii)Lintel to slab and casting of slab	Within 150 days	Within 195 days	
	iv)Plaster, trench with doors and windows	Within 225 days	Within 300 days	
	v)Painting finishing	Within 300 days	Within 360 days	
9	220KV GIS Building			
	i)Foundations	Within 45 days	Within 105 days	
	ii)Brick work upto lintel	Within 105 days	Within 150 days	
	iii)Lintel to slab and casting of slab	Within 150 days	Within 195 days	
	iv)Plaster, trench with doors and windows	Within 225 days	Within 300 days	
	v)Painting finishing	Within 300 days	Within 360 days	
10	Control Room			
	i)Foundations	Within 90 days	Within 150 days	
	ii)Brick work upto lintel	Within 150 days	Within 195 days	
	iii)Lintel to slab and casting of class	Within 195 days	Within 240 days	
	iv)Plaster, trench with doors and windows	Within 240 days	Within 315 days	
	v)Painting finishing	Within 315 days	Within 375 days	
11	All alied Works i.e. Sump well/ Store Shed/ Watchmen cabin	Within 300 days	Within 400 days	
12	Approach road , WBM roads	Within 150 days	Within 240 days	

13	All foundations grouting, plastering & finishing	Within 210 days	Within 360 days	
14	GI pipeline & metal spreading	Within 300 days	Within 390 days	
15	Asphalting of WBM /Trimix roads	Within 390 days	Within 450 days	
16	All final paintings	Within 390 days	Within 480 days	
17	Rectifications if any	Within 480 days	Within 500 days	