



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

From The Chief Engineer (DC&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 Kanohar Electricals Ltd., Rithani, Delhi Road, Meerut – 250 103. e-mail: rr.belgundi@kanohar.com
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MSETCL/CO/DC&M/SS Pre Tender/ 2511

Date: 07.03.2018

Sub: Upgradation of 132kV Palghar S/stn to 220 kV Palghar S/stn Dist. Thane (Now Dist. Palghar) under Vashi Zone Maharashtra on turnkey basis against tender no. T-1790 (RFx no 6000000398).

Letter of Award for Supply of materials thereof.

- Ref :**
- 1) SRM e -Tender No.T-1790/MSETCL/CO/DC&M/D&T/ SS-Pretender (RFx No. 6000000398)
 - 2) Your offer dtd. 07.02.2018 against subject tender.
 - 3) Scheme M.B.R. No. 121/4 dtd. 27.09.2017.
 - 4) Tender acceptance B.R. No. 126/16 dtd. 23.02.2018.
 - 5) MERC approval MERC/Capex/MSETCL/2017-18/808 dtd. 05.03.2018.

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 upgradation of 132kV Palghar S/stn to 220 kV Palghar S/stn Dist. Thane (Now Dist. Palghar) on turnkey basis. The details are as follows.

Sr. No.	Description of works	Final Price quoted in Rs.
1	Supply of equipments and materials for the work of upgradation of 132kV Palghar S/stn to 220 kV Palghar S/stn for following scope of work:- 1) 2X100 MVA, 220/132 kV ICTs with bays. 2) 220 kV line bays-2 nos. 3) 132 kV line bays-2 nos (at existing 132 kV Palghar S/stn). 4) 132 kV DC interconnection by underground cable- 0.3Km.	Rs. 22,00,12,551.00 (Inclusive of all Taxes & Duties) 5% below tender estimate cost for supply work

(Rs. Twenty Two Crore Twelve Thousand Five Hundred Fifty One 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 12 months from the date of handing over of site (including monsoon).

You are requested to:-

1. Intimate the acceptance of this LoA within 10 days from receipt of LoA.
2. Submit the bar chart indicating all activities for completion of the S/S within 10 days.
3. 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. 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 (DC&M)

Encl: Activity schedule.

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., Project Scheme/Civil, MSETCL, Mumbai.
- 3) The C.G.M. (F&A), MSETCL, Mumbai.

Copy to:

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- 3) The S.E., EHV Civil CCM Circle, MSETCL, Airoli.
- 4) The S.E. (Post Tender), C.O. MSETCL, Mumbai.
- 5) The E.E., EHV Projects Division, MSETCL, Kalyan.
- 6) The E.E., EHV Civil CCM Division, MSETCL, Airoli.
- 7) The E.E. (D&E-S1)/(D&E-S-2), C.O. MSETCL, Mumbai.
- 8) The E.E., FTU, MSETCL, Mumbai.For further needful.

Activity Schedule for Supply of Material

Tender No.: T-1790/MSETCL/CO/DC&M/D&T/SS Pretender
Name of Work: Upgradation of 132kV Palghar S/stn to 220 kV Palghar S/stn Dist. Thane under Vashi Zone.
Name of Contractor:
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. 3. Completion of 100% cable trench with laying of cable trays.
6	MS Flats, CI Pipes, Earthing Material, Yard Lighting, ACDB, Power & Control Cables, Cable Trays, Modular cable transit system, Inflatable Emergency Lightning System	Commencement after 120 days & completion within 180 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	ICT/Power TF, Circuit Breakers & Station Transformer	Commencement after 230 days & completion within 270 days	1. Completion of all equipment foundations & erection of it, 100% gantries with bus bar stringing and transformer plinth

			2. Completion of unfinished main control room * and 100% BCR.
8	PLCC Equipments, HF Cable, PLCC Panels / DCDB, FOTE Panel etc.	Commencement after 200 days & completion within 230 days.	Completion of all bay equipments except circuit breaker, power transformer / ICT and complete finishing of PLCC room.
9	Control & Relay Panels, SCADA, Battery Sets, Battery Chargers & Fire Fighting Equipments.	Commencement after 240 days & completion within 285 days.	Completion of control room, bay control rooms & erection of respective bay equipments & laying of respective control cable.
<p>Note:</p> <ol style="list-style-type: none"> 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. 			



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MSETCL/CO/DC&M/SS Pre Tender/2512

Date: 07.03.2018

Sub: Upgradation of 132kV Palghar S/stn to 220 kV Palghar S/stn Dist. Thane (Now Dist. Palghar) under Vashi Zone Maharashtra on turnkey basis against tender no. T-1790 (RFx no 6000000398).

Letter of Award for ETC of materials thereof.

- Ref :**
- 1) SRM e -Tender No.T-1790/MSETCL/CO/DC&M/D&T/ SS-Pretender (RFx No. 6000000398)
 - 2) Your offer dtd. 07.02.2018 against subject tender.
 - 3) Scheme M.B.R. No. 121/4 dtd. 27.09.2017.
 - 4) Tender acceptance B.R. No. 126/16 dtd. 23.02.2018.
 - 5) MERC approval MERC/Capex/MSETCL/2017-18/808 dtd. 05.03.2018.

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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 upgradation of 132kV Palghar S/stn to 220 kV Palghar S/stn Dist. Thane (Now Dist. Palghar) on turnkey basis. The details are as follows.

Sr. No.	Description of works	Final Price quoted in Rs.
1	Erection, Testing & Commissioning of equipments and materials for upgradation of 132kV Palghar S/stn to 220 kV Palghar S/stn for following scope of work:- 1) 2X100 MVA, 220/132 kV ICTs with bays. 2) 220 kV line bays-2 nos. 3) 132 kV line bays-2 nos (at existing 132 kV Palghar S/stn). 4) 132 kV DC interconnection by underground cable-0.3Km.	Rs. 76,89,409.00 (Inclusive of all Taxes & Duties) 25% below tender estimate cost for erection work

(Rs. Seventy Six Lakh Eighty Nine Thousand Four Hundred Nine 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 12 months from the date of handing over of site (including monsoon).

You are requested to:-

1. Intimate the acceptance of this LoA within 10 days from receipt of LoA.
2. Submit the bar chart indicating all activities for completion of the S/S within 10 days.
3. Submit price schedule with detailed break up of unit rate into ex-works price, tax etc. within 10 days from receipt of LoA.
4. 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 (DC&M)

Encl: Activity schedule.

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- 3) The S.E., EHV Civil CCM Circle, MSETCL, Airoli.
- 4) The S.E. (Post Tender), C.O. MSETCL, Mumbai.
- 5) The E.E., EHV Projects Division, MSETCL, Kalyan.
- 6) The E.E., EHV Civil CCM Division, MSETCL, Airoli.
- 7) The E.E. (D&E-S1)/ (D&E-S-2), C.O. MSETCL, Mumbai.
- 8) The E.E., FTU, MSETCL, Mumbai.For further needful.

Activity Schedule for Erection Work

Tender No.: T-1790/MSETCL/CO/DC&M/D&T/SS Pretender
Name of Work: Upgradation of 132kV Palghar S/stn to 220 kV Palghar S/stn Dist. Thane under Vashi Zone.
Name of Contractor:
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 180 days.		
4	Equipment structures	Within 75 days	Within 135 days.		
5	CT, PT, LA, Isolator, & BPI	Within 120 days	Within 270 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 210 days	Within 300 days.		
8	Erection of ICT/power transformer and stations transformer	Within 240 days	Within 300 days		
9	Installation of C&R panels, battery & battery charger.	Within 230 days	Within 310 days.		
10	Pre commissioning trials / testing.	Within 240 days	Within 330 days.		
11	Electrical installation.	Within 210 days	Within 340 days.		



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MSETCL/CO/DC&M/SS Pre Tender/2513

Date: 07.03.2018

Sub: Upgradation of 132kV Palghar S/stn to 220 kV Palghar S/stn Dist. Thane (Now Dist. Palghar) under Vashi Zone Maharashtra on turnkey basis against tender no. T-1790 (RFx no 6000000398).

Letter of Award for Civil works thereof.

- Ref :**
- 1) SRM e -Tender No.T-1790/MSETCL/CO/DC&M/D&T/ SS-Pretender (RFx No. 6000000398)
 - 2) Your offer dtd. 07.02.2018 against subject tender.
 - 3) Scheme M.B.R. No. 121/4 dtd. 27.09.2017.
 - 4) Tender acceptance B.R. No. 126/16 dtd. 23.02.2018.
 - 5) MERC approval MERC/Capex/MSETCL/2017-18/808 dtd. 05.03.2018.

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Dear Sir,

In connection with above subject, we are pleased to inform you that your above referred offer for the civil work portion has been accepted for the work of of upgradation of 132kV Palghar S/stn to 220 kV Palghar S/stn Dist. Thane (Now Dist. Palghar) on turnkey basis. The details are as follows.

Sr. No.	Description of works	Final Price quoted in Rs.
1	Civil works for upgradation of 132kV Palghar S/stn to 220 kV Palghar S/stn for following scope of work:- 1) 2X100 MVA, 220/132 kV ICTs with bays. 2) 220 kV line bays-2 nos. 3) 132 kV line bays-2 nos (at existing 132 kV Palghar S/stn). 4) 132 kV DC interconnection by underground cable- 0.3Km.	Rs. 5,94,53,867.00 (Inclusive of all Taxes & Duties) 25% below tender estimate cost for civil work

(Rs. Five Crore Ninety Four Lakh Fifty Three Thousand Eight Hundred Sixty Seven 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 12 months from the date of handing over of site (including monsoon).

You are requested to:-

1. Intimate the acceptance of this LoA within 10 days from receipt of LoA.
2. Submit the bar chart indicating all activities for completion of the S/S within 10 days.
3. Submit price schedule with detailed break up of unit rate into ex-works price, tax etc. within 10 days from receipt of LoA.
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Thanking you.

Yours faithfully,


Chief Engineer (DC&M)

Encl: Activity schedule.

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- 7) The E.E. (D&E-S1)/(D&E-S-2), C.O. MSETCL, Mumbai.
- 8) The E.E., FTU, MSETCL, Mumbai.For further needful.

Activity Schedule for Civil Work

Tender No.: T-1790/MSETCL/CO/DC&M/D&T/SS Pretender
 Name of Work: Upgradation of 132kV Palghar S/stn to 220 kV Palghar S/stn Dist. Thane under Vashi Zone.
 Name of Contractor:
 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		
(A)	CIVIL WORKS				
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 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.	
3	Fencing, yard leveling	Within 15 days	Within 45 days	The scope of work and estimated cost to be got approved from S.E.(Civil) In charge of works	
4	Approach Roads, Rail track works	Within 45 days	Within 90 days		
5	Collection / finalization of foundation drawings & control room drawing	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 (Dy.EE/EE).	
6	Civil foundation for:				
	Gantries	Within 30 days	Within 60 days		
	Equipments	Within 30 days	Within 90 days		
	Transformers	Within 45 days	Within 120 days		

7	Control Room				
	i) Foundations	Within 30 days	Within 90 days		
	ii) Brick work up to lintel	Within 90 days	Within 135 days		
	iii) Lintel to slab and casting of class	Within 135 days	Within 180 days		
	iv) Plaster, trench with doors and windows	Within 210 days	Within 300 days		
	v) Painting finishing	Within 300 days	Within 330 days		