



**MAHATRANSCO**  
Maharashtra State Electricity Transmission Co. Ltd.  
**MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.**  
(CIN NO. U40109MH20055GC153646)

**From,**  
**The Office of Chief Engineer (Projects),**  
5<sup>th</sup> 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. Prakash Electrical Engineering Corporation,**  
Plot No-A-28/ 1 ,M.I.D.C Kherdi Industrial Area, Near Mary Mata English School  
Chiplun, Dist. Ratnagiri, Maharashtra - 415605.

MSETCL/CO/Projects/Pretender/T-2321/

**01287**

Date: **26 FEB 2024**

**Sub:** Award of Turnkey works contract for Establishment of 220/33 kV Pachgaon S/S along with associated line under Nagpur Zone against SRM E-tender no. T-2321 (RFx. No. 6000001112) – **Letter of Award thereof.**

**Ref:** 1) SRM E-Tender No. T-2321/MSETCL/CO/ Projects /Pre-Tender (RFx No. 6000001112) floated on Dt. 11.09.2023  
2) Your offer against subject tender, opened on Dt. 28.11.2023  
3) Tender Acceptance MBR No. 166/45 dated 19.01.2024

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Dear Sir,

In connection with the above subject, we are pleased to inform you that your offer for the turnkey works contract for Establishment of 220/33 kV Pachgaon S/S along with associated line under Nagpur Zone against SRM E-tender no. T-2321 (RFx. No. 6000001112) has been accepted for Supply, ETC & Civil portion as per details below-

Sr. No	Particulars of contract for T-2321	Amount	
1	Design, manufacture and supply of all materials execution of relevant civil works (wherever required) erection, testing and commissioning of below works : 1) 220 kV DC line by making LILO on one ckt.of 220 kV Kanhan-Umred DC line at 220 kV proposed Pachgaon s/s i) 220 kV DC line on MC tower at proposed 220 kV Pachgaon ss end — 3 km ii) 220 kV DC line on DC tower between proposed Pachgaon ss & LILO point -8 km 2) 50 MVA, 220/33 kV Transformer with bays - 02 nos. 3) 220 kV line bay — 02 nos (proposed 220 kV Pachgaon ss) 4) 33 kV outlet — 08 nos (Outlets to be constructed as per requirement) 5) 33 kV, 2X5 MVAR Capacitor Bank-1 no.	Supply	₹ 28,13,69,693.22/-
		ETC	₹ 3,32,15,682.21/-
		Civil	₹ 14,13,54,233.90/-
		<b>Total Contract Price</b>	<b>₹ 45,59,39,609.33/-</b> Excl. of GST (6.30 % below the estimated cost of tender ₹ 48,65,95,101.20/-)

(Rs. 53,80,08,739.00 i.e. 6.30% below the estimated cost of Rs. 57,41,82,219.42 including GST)

The activity schedule with payment eligibility for turnkey construction of above work is enclosed herewith.

It may please be noted that the scope shall also include Supply, ETC & Civil of all equipment's/materials which are not specifically indicated in your offer but are necessary in order to meet the requirements of the work as per tender specifications in all respects.


Detailed terms and conditions will be as per the tender specification, amendments thereof, your offer, clarifications thereon and contract agreement being executed shortly. The above work has to be completed within **18 months (Excluding Monsoon)** from the date of handing over of site.

You are requested-

- 1) To intimate the **acceptance of this LOA within 10 days from the date of receipt along with the confirmation of Special Terms and Conditions if any.**
- 2) **To submit bar chart within 10 days** from the date of receipt of LOA, indicating all activities for completion of the project, to the S.E. EHV Project circle, Nagpur only.
- 3) Submit price schedule with **detailed breakup of unit rate into ex-works price, tax, freight & Insurance & labour Cess etc. in uniform (single) percentage within 10 days from receipt of LOA.**
- 4) To complete the formalities like furnishing of Performance Bank Guarantee as per Clause No. 8.0 of Section-II of Book-I in prescribed format within 30 days from the date of receipt of LOA so that the contract agreement can be finalized early.

Thanking you.

Yours faithfully

  
(Sunil Suryawanshi)  
**Chief Engineer (Projects)**

**Copy s.w.r.to:**

- 1) The Chairman & Managing Director, MSETCL, Mumbai.
- 2) The Director (Projects), MSETCL, Mumbai.

**Copy f.w.cs.to:**

- 1) The C.E., EHV Projects cum O&M Zone, MSETCL, Nagpur
- 2) The C.E., Design/Civil/AC&I, MSETCL, Mumbai
- 3) The Chief General Manager (F&A), MSETCL, Mumbai

**Copy to:**

- 1) The G.M. (F&A-I), FTU Section MSETCL, Mumbai
- 2) The S.E., EHV Projects Circle, MSETCL, Nagpur
- 3) The S.E., EHV Civil CCM Circle, MSETCL, Nagpur
- 4) The E.E., FTU/PMT, MSETCL, Mumbai.

### Activity Schedule for Supply of Material

Tender No.: T-2321/MSETCL/CO/Projects/Pre-Tender (RFx No. 6000001112)  
Name of Work: Establishment of 220/33 kV Pachgaon s/s along with associated line under Nagpur Zone .

Name of Contractor: M/s. Prakash Electrical Engineering Corporation

Completion Period: 18 months from the date of handing over of site (Excluding Monsoon i.e. 15/06 to 30/09)

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 180 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 180 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 90 days & completion within 240 days.	Completion of 100% gantry foundations & 50% gantry erection.
5	CTs, PTs, LA, Isolator, BPI, CC, WT, Clamp & Connectors, M.K.	Commencement after 120 days & completion within 300 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 180 days & completion within 320 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. <u>EHV Power Cable should be supplied after formation of cable trench.</u>

7	Capacitor Bank, Circuit Breakers, Power Transformer, ICT & Station Transformer	Commencement after 240 days & completion within 360 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, FOTE Panel etc.	Commencement after 240 days & completion within 360 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 360 days.	Completion of control room, bay control rooms & erection of respective bay equipments & laying of respective control cable.
<p><b>Note:</b></p> <ol style="list-style-type: none"> <li>1. The contractor may supply the material prior to schedule delivery period. However, the payment eligibility will be as per hold points indicated above.</li> <li>2. *Unfinished control room: Completion of slab, brick work &amp; plastering.</li> <li>3. It is mandatory for agency to take possession of site within 30 days from the date of issuance of LOA.</li> <li>4. Please ignore the activity if not covered in scope of tender.</li> </ol>			

### Activity Schedule for Erection Work

Tender No.: T-2321/MSETCL/CO/Projects/Pre-Tender (RFx No. 6000001112)  
Name of Work: Establishment of 220/33 kV Pachgaon s/s along with associated line under Nagpur Zone .

Name of Contractor: M/s. Prakash Electrical Engineering Corporation

Completion Period: 18 months from the date of handing over of site (Excluding Monsoon i.e. 15/06 to 30/09)

Sr. No.	Activity	No. of days/months from the date of handing over of site		Hold point for payments	Remarks
		Commencement	Completion		
	<b>ERECTION</b>				
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 240 days.		
4	Equipment structures	Within 75 days	Within 240 days.		
5	CT, PT, LA, Isolator, & BPI	Within 180 days	Within 360 days.		
6	Earthing, layout of earth mat, cable laying, cable trenches & yard lighting	Within 210 days	Within 360 days.		
7	PLCC /FOTE equipments i.e. WT CC, DCDB, & PLC terminal	Within 270 days	Within 390 days.		
8	Erection of capacitor bank, power transformer and stations transformer	Within 300 days	Within 420 days		
9	Installation of C&R panels, battery & battery charger.	Within 300 days	Within 420 days.		
10	Electrical installation.	Within 300 days	Within 420 days.		
11	Pre commissioning trials/testing.	Within 420 days	Within 480 days.		
<b>Note:</b>	Please ignore the activity if not covered in scope of tender.				

### Activity Schedule for Civil Works

Tender No.: T-2321/MSETCL/CO/Projects/Pre-Tender (RFx No. 6000001112)  
Name of Work: Establishment of 220/33 kV Pachgaon s/s along with associated line under Nagpur Zone .

Name of Contractor: M/s. Prakash Electrical Engineering Corporation

Completion Period: 18 months from the date of handing over of site (Excluding Monsoon i.e. 15/06 to 30/09)

Sr.No.	Activity	No. of days from the date of handing over of site		Hold point for payments	Remarks
		Commencement	Completion		
1	Visit to site, collection of site details. Layout, organizing soil investigation and submission of reports to Corporate Office and field office.	Within 20 days			The in charge S.E., to be contacted and joint visit to be undertaken with official nominated by him.
2	Establishment of site office/store/labour camp	Within 10 days	Within 30 days		Location to be got approved from Engineer in charge.
3	Collection/finalization of foundation, control room & other drawings	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	Construction of store shed, drilling of bore well, P/F pump etc.	Within 30 days	Within 75 days		
5	Land development	Within 30 days	Within 90 days		
6	Compound wall, retaining wall, chainlink fencing, gates & watchman cabin	Within 30 days	Within 210 days		
7	T/F foundations with rail track	Within 60 days	Within 150 days		start date after land development of 220kV yard

8	Gantry and LM foundations	Within 60 days	Within 180 days		
9	Equipment foundations	Within 90 days	Within 270 days		
10	Cable trenches	Within 180 days	Within 300 days		
11	Control room a) foundations & upto plinth including cable trenches b) RCC work upto lintel c) RCC work upto & including slab d) RCC work for first floor including slab e) Brickwork & plastering f) Flooring, finishing & painting	Within 30 days  Within 90 days Within 150 days Within 240 days Within 255 days Within 300 days	Within 120 days  Within 150 days Within 240 days Within 300 days Within 330 days Within 360 days		After de-shuttering of main slab.
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 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		

**STANDARD ACTIVITY SCHEDULE FOR LINE**

Turnkey construction of Establishment of 220/33 kV Pachgaon s/s along with associated line under Nagpur Zone against tender no. T-2321 ( Rfx No. 6000001112)  
 Name of Contractor: M/s. Prakash Electrical Engineering Corporation

**COMPLETION PERIOD = 18 MONTHS**

Sr. No	ACTIVITY	Schedule for completion of activities from date of LOA/Handing over of the site		Remarks/ Hold points for payments
		Commencement	Scheduled period of completion	
1	Submission of performance B.G. in lieu of S.D.		Within 10 days	
2	Visit to site , verification of scope of work, Establishment of site office and mobilisation of gang	After 5 days	Within 20 days	
3	Signing of contract agreement	After 10 days	Within 30 days	
4	Trial pits and inspection of route	After 7 days	Within 21 days	
5	Preliminary & Detailed Survey	After 15 days	Within 105 days	At the rate minimum 20 km per month
6	Check survey	After 10 days	Within 220 days	At the rate minimum 10 km per month
7	Approval of detailed /check survey & trial pits	After 20 days	Within 145 days	
8	Requisition of drawings of towers, stubs templates	After 5 days	Within 20 days	
9	Issuance of all drawings for execution by MSETCL	After 10 days	Within 30 days	Copy of trial pits report duly approved by Engineer in Charge be furnished
10	Collection of drawings by Contractor	5 days	15 days	
11	Preparation of shop drawings	15 days	45 days	
12	Proto manufacturing, assembly of tower, submission of call for inspection (if applicable)	After 30 days	Within 60 days	
13	Proto inspection	After 37 days	Within 70 days	
14	Supply of stub & stub setting templates	After 20 days	Within 300 days	Supply to be effected within 15 days after approval of check survey
15	Tower foundation	After 20 days	Within 400 days	At the rate minimum 15 locations per month
16	Supply of tower material	After 60 days	Within 420 days	The foundation should have been casted for tower under supply. The towers to be supplied on per tower basis within 15 days of casting of foundation.
17	Erection of tower	After 80 days	Within 450 days	50% tower foundations should be completed, Erection @ 30 loc. per month.
18	Supply of conductor, earthwire, insulators for accessories towers & conductor /groundwire & insulator Hardware .	After 180 days	Within 480 days	Contractor's confirmation about complete erection of towers of equivalent route length is ready for stringing
19	Stringing of line	After 190 days	Within 500 days	Atleast 50% of towers should have been erected. Progress @ 6 KM/Month
20	Miscellaneous works (fixing of tower accessories,tree cutting etc.)	After 220 days	Within 510 days	
21	Inspection, testing & commissioning of line	After 510 days	Within 540 days	
<b>Note:-</b>				
1	Contractor may execute the erection works ahead of schedule dates. In such an event the schedule date for supply of respective materials stands preponed accordingly and such supplies will become eligible for payments.			
2	The contractor shall supply the material as per actual requirement only, based on the bill of quantities after check survey & duly approved by Engineer incharge. No additional /surplus material shall be accepted except specifically requisitioned by Engineer-In-Charge.			
3	The contractor can supply the material prior to scheduled delivery period,however,the payment eligibility will be from the date as per approved schedule period subject to satisfying conditions of hold points.			