



MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.
(CIN NO. U40109MH20055GC153646)

From,
The Office of Chief Engineer (Projects),
5th Floor, A-Wing, Prakashganga,
C-19, "E" Block, Bandra – Kurla Complex,
Bandra (East), Mumbai – 400 051.
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To,
M/s Prakash Electrical Engg. Corporation, Chiplun
in Consortium with M/s Rajesh Power, Ahmedabad
Plot No.A/1/28, MIDC Kherdi Industrial Area,
Near Many Mata English School,
Chiplun, Dist. Ratnagiri -415604
E-mail: pdeshmukh422@gmail.com

MSETCL/CO/Projects/Pre-tender/T-2331/

006247

Date: 13 SEP 2024

Sub: Award of Turnkey works contract of establishment of 132kV/33kV Dapcheri Sub-Station Dist. Palghar under Vashi Zone against tender no. T-2331 (RFx No. 6000001130).

– **Letter of Award thereof.**

Ref: 1) SRM e-Tender No. T-2331/MSETCL/CO/Projects/Pre-Tender (RFx No. 6000001130).
2) Your offer dated 15.12.2023 against subject tender.
3) Tender acceptance B.R. No. 168/11 dated 22.07.2024.

Dear Sir,

In connection with the above subject, we are pleased to inform you that your offer for the turnkey works contract of establishment of 132kV/33kV Dapcheri Sub-Station Dist. Palghar under Vashi Zone against tender no. T-2331 (RFx No. 6000001130) has been accepted for Supply, ETC & Civil portion as per details below -

Sr. No.	Particulars of contract	Amount
1	Design, manufacture and supply of all materials execution of relevant civil works, erection, testing and commissioning of below works: 1) Construction of 132 kV DC line from 220/132 kV Boisar II s/s to 132 kV proposed Dapcheri s/s- 45 kms (0/H line- 42 km and U/G cable towards Boisar s/s end - 3 km). 2) 25 MVA, 132/33kV transformer with bays- 02 nos. 3) 132 kV line bay - 04 nos. (02 nos. at prop. Dapcheri s/s & 02 nos. at Boisar-II s/s). 4) 33 kV outlet - 04 nos. (Outlets to be constructed as per requirement). 5) 33 kV, 2X5 MVAR Capacitor bank- 01 no.	Total Rs. 102,30,17,767.79 (Excluding GST) 1.8 % above tender estimate cost of Rs. 100,49,29,045.40 (Excluding GST)

(Total offer cost is Rs. 120,71,60,966/- i.e. 1.8 % above the estimated cost of Rs. 118,58,16,273.57/- including all taxes and duties.)

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/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 **12 Months for Substation & 24 Months for Line & Cable works (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 as per tender, 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 Projects Circle, Kalwa.
- 3) Submit price schedule with detailed breakup of unit rate into Ex-works Price, Freight & Insurance & Labour Cess, Tax etc. in uniform (single) percentage within 10 days from receipt of LOA.
- 4) To complete the formalities like furnishing of Performance Bank Guarantee in prescribed format enclosed in tender documents, within 30 days from the date of receipt of LOA so that the contract agreement can be finalized soon. For the power transformers, the 10% PBG to the value of Transformers/ ICTs shall be furnished by manufacturer/supplier for 5 years from date of supply.

Thanking you.

Encl: As Above

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, Vashi
- 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, Kalwa
- 3) The S.E., EHV Civil CCM Circle, MSETCL, Kalwa
- 4) The E.E., FTU/PMT, MSETCL, Mumbai.

Activity Schedule for Supply of Material

Tender No.: T-2331/MSETCL/CO/Projects/Pre-Tender (RFx No. 6000001130)

Name of Work: Establishment of 132kV/33kV SS at Dapcheri Dist. Palghar under Vashi Zone.

Name of Contractor: M/s Prakash Electrical Engg. Corporation, Chiplun in Consortium with M/s Rajesh Power, Ahmedabad

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 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	MS Flats, CI Pipes, Earthing Material, Yard Lighting, ACDB, Power & Control Cables, Cable Trays	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.
8	Circuit Breakers, Capacitor Banks, Power Transformers & 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, completion of 100% cable trench with laying of cable trays. 2. Completion of unfinished main control room * and 100% BCR. 3. <u>Submission of PBG for Transformer</u>
9	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.
10	Control & Relay Panels, SCADA, ABT Meter, 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.

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.	
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Activity Schedule for Erection Work

Tender No.: T-2331/MSETCL/CO/Projects/Pre-Tender (RFx No. 6000001130)

Name of Work: Establishment of 132kV/33kV SS at Dapcheri Dist. Palghar under Vashi Zone.

Name of Contractor: M/s Prakash Electrical Engg. Corporation, Chiplun in Consortium with M/s Rajesh Power, Ahmedabad

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 Circuit Breakers, Capacitor banks, power transformer and stations transformer	Within 240 days	Within 300 days		
9	Installation of C&R panels, ABT Meter, 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.		

Activity Schedule for Civil Work

Tender No.: **T-2331/MSETCL/CO/Projects/Pre-Tender (RFx No. 6000001130)**

Name of Work: Establishment of 132kV/33kV SS at Dapcheri Dist. Palghar under Vashi Zone.

Name of Contractor: M/s Prakash Electrical Engg. Corporation, Chiplun in Consortium with M/s Rajesh Power, Ahmedabad

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	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 (Addl.EE/EE).	
6	Civil foundation for:				
	Gantries	Within 30 days	Within 90 days		
	Equipments	Within 60 days	Within 120 days		
	Transformers	Within 30 days	Within 90 days		
	Capacitor Bank	Within 120 days	Within 150 days		
	End Bays	Within 60 days	Within 120 days		

7	Control Room				
	i)Foundations	Within 30 days	Within 90 days		
	ii)Brick work upto lintel	Within 90 days	Within 135 days		
	iii)Lintel to slab and casting of slab	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		
8	Construction of store shed & Cycle Stand	Within 270 days	Within 330 days		
9	Compound wall	Within 30 days	Within 210 days		
10	Metal spreading & GI Pipeline	Within 300 days	Within 330 days		
11	Watchmen Cabin/ Sump well	Within 300 days	Within 330 days		

ACTIVITY SCHEDULE FOR LINE

Tender No.: T-2331/MSETCL/CO/Projects/Pre-Tender (RFx No. 6000001130)

Name of Work: Establishment of 132kV/33kV SS at Dapcheri Dist. Palghar under Vashi Zone.

Name of Contractor: M/s Prakash Electrical Engg. Corporation, Chiplun in Consortium with M/s Rajesh Power, Ahmedabad

Completion Period: 24 months from the date of handing over of site.

Sr. No.	ACTIVITY	Schedule for completion of activities from date of LOA		Remarks/ Hold points for payments
		Commencement	Scheduled period of completion	
1	Visit to site , verification of scope of work, Establishment of site office and mobilisation of gang	After 5 days	Within 20 days	
2	Trial pits and inspection of route	After 7 days	Within 21 days	
3	Preliminary & Detailed Survey	After 15 days	Within 105 days	At the rate minimum 20 km per month
4	Check survey	After 10 days	Within 220 days	At the rate minimum 10 km per month
5	Approval of detailed /check survey & trial pits	After 20 days	Within 145 days	
6	Requisition of drawings of towers, stubs templates	After 5 days	Within 20 days	
7	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
8	Collection of drawings by Contractor	5 days	15 days	
9	Preparation of shop drawings	15 days	45 days	
10	Proto manufacturing, assembly of tower, submission of call for inspection (if applicable)	After 30 days	Within 60 days	
11	Proto inspection	After 37 days	Within 80 days	
12	Supply of stub & stub setting templates	After 20 days	Within 360days	Supply to be effected within 15 days after approval of check survey
13	Tower foundation	After 20 days	Within 400 days	At the rate minimum 15 locations per month
14	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.
15	Erection of tower	After 80 days	Within 450 days	50% tower foundations should be completed, Erection @ 30 loc. per month.
16	Supply of conductor, earthwire, insulators for accessories	After 180 days	Within 630 days	Contractor's confirmation about complete erection of

	towers & conductor /groundwire & insulator Hardware .			towers of equivalent route length is ready for stringing
17	Initiation of Cable Civil works.	After 180 days	Within 420 days	Contractor's confirmation about 50 % erection of towers.
17	Stringing of line	After 190 days	Within 650 days	Atleast 50% of towers should have been erected. Progress @ 6 KM/Month
18	Cable Supply	After 320 days	Within 600 days	Contractor's confirmation about complete erection of towers and 50 % stringing work.
18	Miscellaneous works (fixing of tower accessories,tree cutting etc.)	After 220 days	Within 700 days	
19	Inspection, testing & commissioning of line	After 680 days	Within 720 days	
Note:-				
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.			