

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

<b>From</b> The Chief Engineer, Contracts & Monitoring Dept. Plot No.C-19, "E" Block, Prakashganga, Bandra – Kurla Complex, Bandra (East), Mumbai – 400 051. Tel: 022-2659 5124(O)/ 022-2659 5125 Fax: 022-2659 8587 E-mail : cecm@mahatransco.in	<b>To,</b> <b>M/s. Vikran Engineering &amp; Exim Pvt. Ltd,</b> <b>401, Odyssey IT Park, Road No.9, Wagle</b> <b>Industrial Estate, Thane West-400604</b>
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MSETCL/CO/C&M/Pretender/LINES/T-1963/Supply, ETC/Vikran/ 4236      Date: 19.10.2020

**Sub:** Award of Turnkey works contract for Establishment of 33kV & 132kV GIS bay for MMRDA & M/s. NHSRCL along with 132kV Dahanu – Boisar (Ambesari) line (15 Kms) at 132kV Dahanu s/stn. under Vashi Zone MSETCL-1st call (RFx. No. 6000000797) against SRM e-tender no. T-1963.

**– Letter of Award for Supply, ETC & Civil portion thereof.**

**Ref:** 1) SRM E-Tender No.T-1963/MSETCL/CO/C&M/Pretender/TKC-L (RFx. No. 6000000797) floated on 11.12.2019.

2) Your offer against subject tender, opened on 29.02.2020.

3) Tender acceptance vide CMD/MSETCL/699 Dt: 19.10.2020

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 33kV & 132kV GIS bay for MMRDA & M/s. NHSRCL along with 132kV Dahanu – Boisar (Ambesari) line (15 Kms) at 132kV Dahanu s/stn. under Vashi Zone MSETCL-1st call (RFx. No. 6000000797) against SRM e-tender no. T-1963 has been accepted for supply, ETC & Civil portion as per details below-

Sr.No	Description of works	Final Price quoted inclusive of all taxes and duties in Rs.
1.	Supply & commissioning of material & equipment and Erection, Testing on site for	
	Establishment of 33kV & 132kV GIS bay for MMRDA & M/s. NHSRCL	Supply: Rs. 166,958,955.78 ETC: -Rs.8,744,269.49 Civil: -Rs.19,939,782.74
	132kV Dahanu – Boisar (Ambesari) line (15 Kms) at 132kV Dahanu s/stn.	Supply: Rs. 82,683,695.93 ETC: ETC:95,651,718.20
	<b>Total Amount</b>	<b><u>Rs. 37,39,78,422.14</u></b> <b>(12% below)</b>

**(Rs. Thirty Seven Crores Thirty Nine Lakhs Seventy Eight Thousand Four Hundred Twenty Two Rupees and Fourteen Paise Only /-)**

The activity schedule for payment eligibility for 12 months from the date of handing over of site (excluding monsoon i.e. 15th June to 30th September) for supply of material for turnkey construction of above line is enclosed herewith.

It may please be noted that the scope shall also include supply, ETC & Civil of all equipments/materials which are not specifically indicated in your offer but are necessary in order to meet the requirements of the line 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 work of above line has to be completed within 12 months from the date of handing over of site (excluding monsoon i.e. 15th June to 30th September).

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) Submit an undertaking that GST shall be effected **and no tax variation shall be claimed by M/s. Vikran Engineering & Exim Pvt. Ltd, Thane** and all the Terms and Conditions of the contract shall remain same accepted by **M/s. Vikran Engineering & Exim Pvt. Ltd, Thane.**
- 4) **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 Proj. circle, Kalwa only.
- 3) Submit price schedule with **detailed breakup of unit rate into ex-works price, GST rates, % F&I 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.
- 5) **M/s. Vikran Engineering & Exim Pvt. Ltd, Thane** shall submit the invoice as per GST regulations.

Thanking you.

Yours faithfully



**Chief Engineer (C&M)**

**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 Construction cum O&M Zone, MSETCL, Vashi.
- 2) The C.E., Civil, MSETCL, Mumbai.
- 3) The Chief General Manager (F&A), MSETCL, Mumbai.

**Copy to:**

- 1) The G.M. (F&A-Projects), MSETCL, Mumbai.
- 2) The S.E., (Scheme/Civil/Design/Post-tender), MSETCL, Mumbai.
- 3) The S.E., EHV Projects Circle, MSETCL, Kalwa .
- It is requested to hand over the route/tower profiles to the agency immediately.
- 4) The S.E., EHV Civil CCM Circle, MSETCL, Kalwa .
- 5) The S.E., TCC, MSETCL, Vashi .
- 6) The E. E., (PMT), MSETCL, Mumbai.
- 7) The E.E., (FTU), MSETCL, Mumbai.
- 8) The E.E., (Design-S-II), MSETCL, Mumbai.
- 9) The E.E., EHV Project Division, MSETCL, Kalyan.



# STANDARD ACTIVITY SCHEDULE FOR PAYMENT ELIGIBILITY

**T-1963 Construction of 132kV D/C radial line from 132kV Dahanu to 132kV Boisar (Ambesari) TSS - 15 Kms under Vashi Zone.  
Rfx No. 6000000797**

**COMPLETION PERIOD = 12 MONTHS (excluding monsoon i.e. 15th June to 30th September)**

Sr. No.	ACTIVITY	Schedule for completion of activities from date of LOA		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 68 days	At the rate minimum 20 km per month
6	Check survey	After 10 days	Within 136 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 45 days	
13	Proto inspection	After 37 days	Within 60 days	
14	Supply of stub & stub setting templates	After 20 days	Within 160 days	Supply to be effected within 15 days after approval of check survey
15	Tower foundation	After 20 days	Within 250 days	At the rate minimum 10 locations per month
16	Supply of tower material	After 40 days	Within 270 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 60 days	Within 390 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 275 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 300 days	Atleast 50% of towers should have been erected. Progress @ 10KM/Month
20	Miscellaneous works (fixing of tower accessories,tree cutting etc.)	After 220 days	Within 310 days	
21	Inspection, testing & commissioning of line	After 275 days	Within 360 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.

### Activity Schedule for Supply of Material

Tender No.: **T-1963/MSETCL/CO/C&M/Pretender/TKC-Lines( Rfx No. 6000000797)**

Name of Work: **Establishment of 33kV & 132kV GIS bay for MMRDA & M/s. NHSRCL at 132kV Dahanu s/stn. under Vashi Zone MSETCL**

Name of Contractor: **M/s. Vikran Engineering & Exim Pvt. Ltd, Thane**

Completion Period: 12 months from the date of handing over of site. (excluding monsoon i.e. 15th June to 30th September).

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	PTs, LA, 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	GIS Module	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.
<b>Note:</b> 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-1963/MSETCL/CO/C&M/Pretender/TKC-Lines( Rfx No. 6000000797)**  
Name of Work: **Establishment of 33kV & 132kV GIS bay for MMRDA & M/s. NHSRCL at 132kV Dahanu s/stn. under Vashi Zone MSETCL**  
Name of Contractor: **M/s. Vikran Engineering & Exim Pvt. Ltd, Thane**  
Completion Period: 12 months from the date of handing over of site. (excluding monsoon i.e. 15th June to 30th September).

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 120 days.		
4	Equipment structures	Within 75 days	Within 135 days.		
5	GIS Module, , 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-1963/MSETCL/CO/C&M/Pretender/TKC-Lines ( Rfx No. 6000000797)**  
 Name of Work: **Establishment of 33kV & 132kV GIS bay for MMRDA & M/s. NHSRCL at 132kV Dahanu s/stn. under Vashi Zone MSETCL**  
 Name of Contractor: **M/s. Vikran Engineering & Exim Pvt. Ltd, Thane**  
 Completion Period: 12 months from the date of handing over of site. (excluding monsoon i.e. 15th June to 30th September).

#### **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		