

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

From The Chief Engineer (C&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 Ideas Electricals & Engineers Pvt. Ltd. “Ideas House” Plot No. 32, Gut No. 44, Near Bajaj Hospital, Uma Gopal Nagar, Beed Bypass Aurangabad - 431 010 Tel: +91 80078 03636 E-mail: info@ideasengineers.com
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17 NOV 2021

MSETCL/CO/C&M/Pre-T/SSPre-Tender/

06795

Date:

Sub: Letter of Award for “Work of establishment of 132/33kV Tirthpuri Substation, Dist: Jalna under Aurangabad Zone along- with associated transmission line on turnkey basis against tender no. T-2107 (RFx no 6000000970)”.

- Ref:**
- 1) SRM e-Tender No. T-2107/MSETCL/CO/C&M/Pre-T/Pre-Tender (RFx No. 6000000970)
 - 2) Your SRM Response No. 4000105630 against subject tender.
 - 3) Scheme B.R. No. 145/11 dtd. 22.01.2021
 - 4) Tender acceptance B.R. No. 149/27 dtd. 02.09.2021
 - 5) MERC approval – MERC/Capex/MSETCL/2021-22 / E-Letter dtd. 01.06.2021

Dear Sir,

In connection with above subject, we are pleased to inform you that your above referred offer for the work of establishment of 132/33kV Tirthpuri Substation, Dist: Jalna under Aurangabad Zone along- with associated transmission line on turnkey basis has been accepted. The details are as follows.

Sr. No.	Particulars of contract for T-2107	Amount	
1	Design, manufacture and supply of all materials execution of relevant civil works (wherever required) erection, testing and commissioning for turnkey works of establishment of 132/33kV Tirthpuri Substation, Dist: Jalna under Aurangabad Zone along- with associated transmission line against tender no. T-2107 (RFx no 6000000970).	Supply	₹ 12,28,23,381.38 /-
		ETC	₹ 1,25,36,050.02 /-
		Civil	₹ 7,44,40,696.54 /-
		TOTAL Contract Price	₹ 20,98,00,128/- Excl. of GST (3.81% above the estimated cost of the tender ₹ 20,21,08,595.71)

(Rs. Twenty Crore Ninety-eight Lakh One Hundred Twenty-eight Only)

The activity schedule for supply, ETC & Civil works is enclosed herewith.

It may please be noted that the scope shall also include supply, ETC & Civil works of all equipments/materials, 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 and lines 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 above work has to be completed within 12 Months from handing over of site ((Excluding Monsoon i.e. 15/06 to 30/09)) from handing over of site/line profile.

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 work 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.

Thanking you.

Encl: Activity schedules.

Yours faithfully,

Chief Engineer (C&M)

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, Aurangabad.
- 2) The C.E., Project Scheme/Civil/D&P/ACI, 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, Aurangabad.
- 3) The S.E., EHV Civil CCM Circle, MSETCL, Aurangabad.
- 4) The S.E. (Post Tender), C.O. MSETCL, Mumbai.
- 5) The E.E., EHV Projects Division, Aurangabad.
- 6) The E.E., EHV Civil CCM Division, Aurangabad.
- 7) The E.E. (Design), C.O. MSETCL, Mumbai.
- 8) The E.E., PMT, MSETCL, Mumbai.For further needful
- 9) The E.E., FTU, MSETCL, Mumbai.For further needful

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Activity Schedule for Supply of Material

Tender No.: **T-2107/MSETCL/CO/C&M/Pre-T/SSPre-Tender (RFx No. 6000000970)**

Name of Work: Establishment of establishment of 132/33kV Tirthpuri Substation, Dist: Jalna

Name of Contractor: M/s Ideas Electricals & Engineers Pvt. Ltd.

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	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>

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, 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.			

Activity Schedule for Erection Work

Tender No.: **T-2107/MSETCL/CO/C&M/Pre-T/SSPre-Tender (RFx No. 6000000970)**

Name of Work: Establishment of establishment of 132/33kV Tirthpuri Substation, Dist: Jalna

Name of Contractor: M/s Ideas Electricals & Engineers Pvt. Ltd.

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.		
Note: Please ignore the activity if not covered in scope of tender.					

Activity Schedule for Civil Work

Tender No.: **T-2107/MSETCL/CO/C&M/Pre-T/SSPre-Tender (RFx No. 6000000970)**

Name of Work: Establishment of establishment of 132/33kV Tirthpuri Substation, Dist: Jalna

Name of Contractor: M/s Ideas Electricals & Engineers Pvt. Ltd.

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		

STANDARD ACTIVITY SCHEDULE FOR PAYMENT ELIGIBILITY				
Construction of 132 kV DC line by making LILO on proposed 2nd Ckt. 132 kV Ambad-Ghansawangi line - 08 km				
Name of Contractor : M/s Ideas Electricals & Engineers Pvt. Ltd.				
COMPLETION PERIOD = 12 MONTHS				
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.