

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 M. D. Transcon Pvt. Ltd. (Formerly M/s Ashtavinayaka Construction) in JV with M/s Ravin Infraproject pvt. Ltd. R-478, T.T.C. Industrial Area, MIDC, Rabale Navi Mumbai - 400 701 Tel: 022 2769 6956 Fax: 022 2769 9240
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MSETCL/CO/C&M/Pre-T/SSPre-Tender/ 06779

Date: 16/11/2021

Sub: Letter of Award for “Work of Creation of 400/220 kV Switchyard at M/s GWEL for evacuation arrangement for MSEDCL share of 200 MW power from 2x300 MW Thermal Power Plant Dist. Chandrapur on turnkey basis under Nagpur zone against tender no. T-2102 (RFx no 6000000950)”.

Ref: 1) SRM e-Tender No. T-2102/MSETCL/CO/C&M/Pre-T/Pre-Tender (RFx No. 6000000950)
2) Your SRM Response No. 4000100499 against subject tender.
3) Scheme B.R. No. 137/15 dtd. 05.09.2019
4) Tender acceptance B.R. No. 150/28 dtd. 12.10.2021
5) MERC approval – MERC/Capex/MSETCL/2020-21/E-Letter dtd. 30.12.2020

Dear Sir,

In connection with above subject, we are pleased to inform you that your above referred offer for the work of Creation of 400/220 kV Switchyard at M/s GWEL for evacuation arrangement for MSEDCL share of 200 MW power from 2x300 MW Thermal Power Plant Dist. Chandrapur on turnkey basis under Nagpur zone has been accepted. The details are as follows.

Sr. No.	Particulars of contract for T-2102	Amount
1	Design, manufacture and supply of all materials execution of relevant civil works (wherever required) erection, testing and commissioning for work of Creation of 400/220 kV Switchyard at M/s GWEL for evacuation arrangement for MSEDCL share of 200 MW power from 2x300 MW Thermal Power Plant Dist. Chandrapur on turnkey basis under Nagpur zone against tender no. T-2102 (RFx no 6000000950).	For Supply Rs. 79,96,47,185/- For ETC Rs. 3,32,82,519/- For Civil Rs. 16,48,11,911/- Total Rs. 99,77,41,615/- (Inclusive of all Taxes & Duties) 3.99% above tender estimate cost of Rs. 95,94,59,193.94

(Rs. Ninety-nine Crore Seventy-seven Lakh Forty-one Thousand Six Hundred Fifteen 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 18 Months from handing over of site (Excluding monsoon) 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, Nagpur.
- 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, Nagpur.
- 3) The S.E., EHV Civil CCM Circle, MSETCL, Nagpur.
- 4) The S.E. (Post Tender), C.O. MSETCL, Mumbai.
- 5) The E.E., EHV Projects Division -II, Nagpur.
- 6) The E.E., EHV Civil CCM Division, Nagpur.
- 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

Activity Schedule for Supply of Material

Tender No.: T-2102/MSETCL/CO/C&M/Pre-T/Pre-Tender (RFx No. 60000000950)

Name of Work: Creation of 400/220 kV Switchyard at M/s GWEL for evacuation arrangement for MSEDCL share of 200 MW power from 2x300 MW Thermal Power Plant Dist. Chandrapur on turnkey basis under Nagpur zone

Name of Contractor: M/s Ashtavinayaka Construction in JV with M/s Ravin Infraproject pvt. Ltd.

Completion Period: 18 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 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.
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. 4. Please ignore the activity if not covered in scope of tender.			

Activity Schedule for Erection Work

Tender No.: T-2102/MSETCL/CO/C&M/Pre-T/Pre-Tender (RFx No. 6000000950)
 Name of Work: Creation of 400/220 kV Switchyard at M/s GWEL for evacuation arrangement for MSEDCL share of 200 MW power from 2x300 MW Thermal Power Plant Dist. Chandrapur on turnkey basis under Nagpur zone
 Name of Contractor: M/s Ashtavinayaka Construction in JV with M/s Ravin Infraproject pvt. Ltd.
 Completion Period: 18 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 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.		
Note:		Please ignore the activity if not covered in scope of tender.			

Activity Schedule for Civil Work

Tender No.: T-2102/MSETCL/CO/C&M/Pre-T/Pre-Tender (RFx No. 6000000950)
 Name of Work: Creation of 400/220 kV Switchyard at M/s GWEL for evacuation arrangement for MSEDCL share of 200 MW power from 2x300 MW Thermal Power Plant Dist. Chandrapur on turnkey basis under Nagpur zone
 Name of Contractor: M/s Ashtavinayaka Construction in JV with M/s Ravin Infraproject pvt. Ltd.
 Completion Period: 18 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 20 days		The in charge S.E., to be contacted and joint visit to be undertaken with official nominated by him.	
2	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).	
3	Dismantling of existing structure	Within 30 days	Within 60 days	The scope of work to be got approved from S.E.(Civil) In charge of works	
4	Establishment of site store	Within 10 days	Within 30 days	Location to be got approved from Engineer in charge.	
5	yard leveling (Land development)	Within 15 days	Within 60 days	The scope of work to be got approved from S.E.(Civil) In charge of works	
6	Chain-link fencing	Within 30 days	Within 90 days		
6	WBM Road	Within 45 days	Within 120 days		
7	Concrete Pavement	Within 120 days	Within 200 days		
8	Civil foundation for:				
	Gantries	Within 30 days	Within 120 days	The scope of work to be got approved from S.E.(Civil) In charge of works	
	Equipments	Within 60 days	Within 180 days		
	Transformers & fire	Within 30 days	Within 150 days		

	wall				
9	Control Room				
	i)Foundations	Within 30 days	Within 90 days	The scope of work to be got approved from S.E.(Civil) In charge of works	
	ii)Brick work up to 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 180 days	Within 225 days		
	v)Painting finishing	Within 250 days	Within 300 days		
10	Construction of metering room	Within 90 days	Within 150 days		
11	Cable trench	Within 120 days	Within 210 days		
12	Metal spreading & GI Pipeline	Within 300 days	Within 360 days		
13	Storm water drain	Within 300 days	Within 360 days		