

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

From The Chief Engineer (DC&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 STELMEC LIMITED “Sea Queen”, 43-A, H.K. Bhabha Road, Bandstand, Bandra(W), Mumbai 400 050 Tel: 022-2643 6127/28/29. Fax: 022-2643 6139 Email: corporate@stelmec.com
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MSETCL/CO/DC&M/SS Pre Tender/ 4494

Date: 23/04/2018

Sub: Letter of Award for “Establishment of 220/132/33 KV Sub-Station at Narangwadi, Dist. Osmanabad under Aurangabad zone on turnkey basis against tender no. T-1747 (RFx no. 6000000300)”.

- Ref:**
- 1) Tender No. T-1747/MSETCL/CO/DC&M/D&T/SS Pre Tender
 - 2) Your offer dtd. 13.10.2017 against subject tender.
 - 3) Scheme B.R. No. 114/07 dtd. 30.03.2016
 - 4) Tender acceptance B.R. No.128/09 dated 21/04/2018.
 - 5) MERC approval L.No MERC/Capex/MSETCL/2017-18/4284 dt. 03.10.17.

Dear Sir,

In connection with above subject, we are pleased to inform you that your above referred offer for the work of establishment of 220/132/33 KV Sub-Station at Narangwadi, Dist. Osmanabad under Aurangabad zone has been accepted. The details are as follows.

Part A- Supply of materials

Description of works	Final Price quoted in Rs.
Supply of equipments and materials for the work of establishment of 220/132/33 KV Sub-Station at Narangwadi, Dist. Osmanabad under Aurangabad zone for following scope of work:- 1. 100 MVA, 220/132 KV ICT with bays -02 Nos 2. 25 MVA, 220/33 KV transformer with bays -02 Nos 3. 220 KV Line bays -02 Nos (02 Nos at 220 KV Narangwadi S/S) 4. 132 KV Line bay -04 Nos (04 Nos at 220 KV Narangwadi S/S) 5. 33 KV Outlets -08 Nos	<p align="center">Rs. 25,92,31,324.95 (Including all Taxes & Duties) 13.22 % below tender estimate cost for Supply work</p>

(Rs. Twenty Five Crore Ninety Two Lakhs Thirty One Thousand and Three Hundred Twenty Four and Ninety Five Paise Only.)

The activity schedule for supply work is enclosed herewith.

It may please be noted that the scope shall also include supply of all equipments/materials which are not specifically listed in your offer but are necessary in order to meet the requirements of the substation 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 work of above substation has to be completed within 18 months from the date of handing over of site (including monsoon).

Part B – ETC of materials

Description of works	Final Price quoted in Rs.
<p>Erection, Testing & Commissioning of equipments and materials for the work of establishment of 220/132/33 KV Sub-Station at Narangwadi, Dist. Osmanabad under Aurangabad zone for following scope of work:-</p> <ol style="list-style-type: none"> 1. 100 MVA, 220/132 KV ICT with bays -02 Nos 2. 25 MVA, 220/33 KV transformer with bays -02 Nos 3. 220 KV Line bays -02 Nos (02 Nos at 220 KV Narangwadi S/S) 4. 132 KV Line bay -04 Nos (04 Nos at 220 KV Narangwadi S/S) 5. 33 KV Outlets -08 Nos 	<p>Rs. 1,12,81,579.02 (Including all Taxes & Duties) 42.39 % above tender estimate cost for erection work</p>

(Rs. One Crore Twelve Lakhs Eighty One Thousand Five Hundred Seventy Nine and Two Paise only.)

The activity schedule for erection work is enclosed herewith.

It may please be noted that the scope shall also include erection, testing and commissioning of all equipments/materials which are not specifically listed in your offer but are necessary in order to meet the requirements of the substation 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 work of above substation has to be completed within 18 months from the date of handing over of site (including monsoon)

Part C- Civil works

Description of works	Final Price quoted in Rs.
<p>Civil works for establishment of 220/132/33 KV Sub-Station at Narangwadi, Dist. Osmanabad under Aurangabad zone for following scope of work:-</p> <ol style="list-style-type: none"> 1. 100 MVA, 220/132 KV ICT with bays -02 Nos 2. 25 MVA, 220/33 KV transformer with bays -02 Nos 3. 220 KV Line bays -02 Nos (02 Nos at 220 KV Narangwadi S/S) 4. 132 KV Line bay -04 Nos (04 Nos at 220 KV Narangwadi S/S) 5. 33 KV Outlets -08 Nos 	<p>Rs. 8,31,94,895.93 (Including all Taxes & Duties) 8.89 % below tender estimate cost for civil work</p>

(Rs. Eight Crore Thirty One Lakhs Ninety Four Thousand Eight Hundred Ninety Five and Ninety Three Paise only.)

The activity schedule for civil works is enclosed herewith.

It may please be noted that the scope of civil work shall also include 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 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 work of above substation has to be completed within 18 months from the date of handing over of site (including monsoon).

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 S/S 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.

Yours faithfully,

Chief Engineer (DC&M)

Encl: Activity schedules.

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/P&D, 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, MSETCL, Latur.
- 6) The E.E., EHV Civil CCM Division, MSETCL, Latur.
- 7) The E.E. (D&E-S1)/(D&E-S-2), C.O. MSETCL, Mumbai.
- 8) The E.E., FTU, MSETCL, Mumbai.For further needful

Activity Schedule for Supply of Material

Tender No.: T-1747/MSETCL/CO/DC&M/D&T/SS Pretender (RFx No. 6000000300)
Name of Work: Establishment of 220/132/33 KV Substation at Narangwadi Dist. Osmanabad
Name of Contractor: M/s Stelmec 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, Modular cable transit system, Inflatable Emergency Lightning System	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.
7	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. The material in activity column if not in scope, may be ignored.			

Activity Schedule for Erection Work

Tender No.: T-1747/MSETCL/CO/DC&M/D&T/SS Pretender (RFx No. 6000000300)
 Name of Work: Establishment of 220/132/33 KV Substation at Narangwadi Dist. Osmanabad
 Name of Contractor: M/s Stelmec 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 equipments i.e. WT CC, DCDB, & PLC terminal	Within 270 days	Within 390 days.		
8	Erection of 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	Pre commissioning trials/testing.	Within 420 days	Within 480 days.		
11	Electrical installation.	Within 300 days	Within 420 days.		

Note: The material in activity column if not in scope, may be ignored.

Activity Schedule for Civil Work

Tender No.: T-1747/MSETCL/CO/DC&M/D&T/SS Pretender (RFx No. 6000000300)
 Name of Work: Establishment of 220/132/33 KV Substation at Narangwadi Dist. Osmanabad
 Name of Contractor: M/s Stelmec 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 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.	
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 60 days		
	Equipments	Within 30 days	Within 90 days		
	Transformers	Within 45 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 class	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		