



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 KEI Industries Ltd. D-19, Okhla Industry Area, Phase-I, New Delhi -110020 e-mail: pawanjain@gmail.com
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MSETCL/CO/C&M/SS Pre Tender/

08845

Date: 12.11.2019

Sub: Letter of Award for “Package II of –

- A) Installation and Supply of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Khaperkheda substation under Nagpur Zone.
B) Installation of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Koradi-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder’s scope).
C) Installation of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Chandrapur-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder’s scope) on turnkey basis against tender no. T-1844 (RFx no. 600000523)”. ”.

- Ref:** 1) Tender No. T-1844/MSETCL/CO/DC&M/D&T/SS Pre Tender
2) Your offer dtd. 07.06.2018 against subject tender.
3) Scheme B.R. No. 112/21 dtd. 17.11.2016.
4) Tender acceptance B.R. 138/11 dtd.18/09/2019.
5) MERC approval L.No MERC/Capex/MSETCL/2017-18/4684 dt. 13.11.17.

Dear Sir,

In connection with above subject, we are pleased to inform you that your above referred offer for the work of Package II of – A) Installation and Supply of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Khaperkheda substation under Nagpur Zone. B) Installation of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Koradi-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder’s scope). C) Installation of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Chandrapur-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder’s scope) 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 Package II of – A) Installation and Supply of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Khaperkheda substation under Nagpur Zone. B) Installation of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Koradi-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder’s scope). C) Installation of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Chandrapur-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder’s scope).	Rs. 13,59,88,758.96 (Including all Taxes & Duties) 0.80% below tender estimate cost for Supply work

(Rs. Thirteen Crore Fifty Nine Lakh Eighty Eight Thousand Seven Hundred Fifty Eight and Ninety Six 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 12 months from the date of handing over of site (including monsoon).

Part B – ETC of materials

Description of works	Final Price quoted in Rs.
Erection, Testing & Commissioning of equipments and materials for the work of Package II of – A) Installation and Supply of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Khaperkheda substation under Nagpur Zone. B) Installation of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Koradi-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder’s scope). C) Installation of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Chandrapur-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder’s scope).	<p style="text-align: center;">Rs. 64,59,672.97</p> <p style="text-align: center;">(Including all Taxes & Duties)</p> <p style="text-align: center;">15% below tender estimate cost for Erection work</p>

(Rs. Sixty Four Lakh Fifty Nine Thousand Six Hundred Seventy Two and Ninety Seven 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 12 months from the date of handing over of site (including monsoon).

Part C- Civil works

Description of works	Final Price quoted in Rs.
Civil works for Package II of – A) Installation and Supply of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Khaperkheda substation under Nagpur Zone. B) Installation of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Koradi-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder’s scope). C) Installation of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Chandrapur-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder’s scope).	<p style="text-align: center;">Rs. 2,40,97,137.32</p> <p style="text-align: center;">(Including all Taxes & Duties)</p> <p style="text-align: center;">15% below tender estimate cost for civil work</p>

(Rs. Two Crore Forty Lakh Ninety Seven Thousand One Hundred Thirty Seven and Thirty Two 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 12 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 (C&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, Nagpur
- 2) The C.E., Project Scheme/Civil/D&P/PAC, 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, MSETCL, Chandrapur/Nagpur.
- 6) The E.E., EHV Civil CCM Division, MSETCL, Chandrapur/ Nagpur.
- 7) The E.E. (D&P)/STU/PMT, C.O. MSETCL, Mumbai.
- 8) The E.E., FTU, MSETCL, Mumbai.For further needful

Activity Schedule for Supply of Materials.

SRM e -Tender No. : T-1844/MSETCL/CO/DC&M/D&T/ SS-Pretender (RFx No. 6000000523)

Name of Work : Package II of -

- A) Installation and Supply of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Khaperkheda substation under Nagpur Zone.
- B) Installation of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Koradi-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder's scope).
- C) Installation of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Chandrapur-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder's scope).

Name of Contractor : M/s KEI Industries 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 date of LOA	Hold point for payment
1	Soil investigation, drawing submission i.e. Layout, Erection Key Diagram, Gantry Structure, Equipment Structure, Earthmat design, Cable trench & Foundation drawings etc.	Submission within 30 days	
2	Gantry materials	Commencement after 60 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 60 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 120 days & completion within 240 days.	Completion of 100% gantry foundations & 50 % gantry erection.
5	CTs, PTs, LA, Isolator, BPI, clamp & connectors, M.K.	Commencement after 120 days & completion within 240 days.	1) Completion of erection of 100% gantries with bus bars stringing.
6	MS Flats, CI Pipes, Earthing material, Yard lighting, Power & control cables, cable trays	Commencement after 120 days & completion within 240 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, Control & Relay panels, Reactor	Commencement after 180 days & completion within 240 days	1) Completion of all equipment foundations and erection of it, 100% gantries with bus bars stringing and Reactor plinth and completion of 100% cable trench with laying of cable trays. Completion of bay control rooms & erection of respective bay equipments and laying of respective control cable..
Note: 1) The contractor may supply the material prior to scheduled delivery period. However, the payment eligibility will be as per hold points indicated as above. 2) It is mandatory for agency to take possession of site immediately on issue of LOA.			

Activity Schedule for Erection Work

SRM e -Tender No. : T-1844/MSETCL/CO/DC&M/D&T/ SS-Pretender (RFx No. 600000523)

Name of Work : Package II of -

A) Installation and Supply of 400 kV, 125 MVA bus shunt reactor with bay at 400 kV Khaperkheda substation under Nagpur Zone.

B) Installation of 400 kV, 125 MVA bus shunt reactor with bay at 400 kV Koradi-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder's scope).

C) Installation of 400 kV, 125 MVA bus shunt reactor with bay at 400 kV Chandrapur-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder's scope).

Name of Contractor: M/s KEI Industries 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
		Commencement	Completion	
ERECTION				
1	Mobilization of T&P & manpower	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 90 days	Within 180 days	
4	Equipment structures	Within 120 days	Within 180 days	
5	CT, PT, LA, Isolator, & BPI	Within 120 days	Within 240 days	
6	Earthing, layout of earth mat, cable laying, cable trenches & yard lighting	Within 150 days	Within 240 days	
7	Erection of Reactor & C.B.	Within 180 days	Within 300 days	
8	Installation of C&R panels,	Within 180 days	Within 300 days	
9	Electrical installation.	Within 210 days	Within 300 days	
10	Pre commissioning trials / testing.	Within 300 days	Within 350 days	

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

Activity Schedule for Civil Work

SRM e -Tender No. : T-1844/MSETCL/CO/DC&M/D&T/ SS-Pretender (RFx No. 6000000523)

Name of Work : Package II of -

A) Installation and Supply of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Khaperkheda substation under Nagpur Zone.

B) Installation of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Koradi-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder's scope).

C) Installation of 400 kV, 125 MVAR bus shunt reactor with bay at 400 kV Chandrapur-II substation under Nagpur Zone (Excluding supply of reactor but its ETC in bidder's scope).

Name of Contractor: M/s KEI Industries 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
		Commencement	Completion	
1	Visit to site, collection of site details. Layout, organizing soil investigation and submission of reports to Corporate Office and Field Office.		within 30 days	The agency should contact in charge S.E. & joint visit to be under taken with official nominated by him.
2	Establishment of site store, construction of store shed.		within 30 days	Location to be got approved from Engineer in charge.
3	Collection/finalization of foundation drawings of all Civil Structure.	within 30 days	within 90 days	Shall be approved from S.E. (Civil) of field/Corporate Office.
4	WBM Road.	within 30 days	within 120 days	
5	Rail track	within 60 days	within 180 days	
6	Civil foundation			
	Gantries	within 60 days	within 120 days	
	Equipment	within 60 days	within 120 days	
	Reactor Foundation	within 60 days	within 180 days	
7	RCC culvert	within 90 days	within 240 days	
8	Metal Spreading, Earthing Pipeline & etc.	within 180 days	within 300 days	