



MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.

**Office of the Executive Engineer,
E.H.V. Projects Division, Kalyan.**

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Ref. No. EE/EHV C/DN/KLN/T- /No. 850

Date: 06/09/2017.

Sub: - Extension to E-enquiry for Rerouting work of 132 kV Dahanu Boisar (MIDC) Line at Loc No 61 for DFCCIL Project.....Labour portion on Ex- work basis under EHV Projects Dn., Kalyan.

Dear Sir,

The Sealed quotations are invited for Rerouting work of 132 kV Dahanu Boisar (MIDC) Line at Loc No 61 for DFCCIL Project.....Labour portion on Ex- work basis as per the Schedule attached herewith subject to following terms & conditions.

- 1) The quotations shall reach to this office up to 12.09.2017 at 17:00Hrs. This office shall not Accept any responsibility for late receipt of quotations. The quotation will opened on dt. 13.09.2017 (If possible).
- 2) The EMD of Rs. 25,050/- may please be deposited at this office along with submission of quotation. The EMD shall be deposited in the form of cash / D.D. drawn in favor of "Executive Engineer, EHV Projects Division Kalyan", payable at Kalyan. No quotation without EMD will be accepted at this office. The estimated cost of the work is Rs. 25, 04,995/-.
- 3) The rates quoted should be firm and price variation will not be applicable. The offer quoted shall be valid for 60 days. The same is mentioned in the and which is to be accepted by the bidder while participating in the enquiry. Also, all the Terms and Conditions included in the enquiry are to be accepted by the bidder while participating in the enquiry.

4) DISQUALIFICATION :-

The Bidder may be disqualified in the following conditions:-

- i) Disclosing untrue and/ or false information, or withholding information or part of information.

- ii) Record of poor performance such as unsatisfactory work or abandoning the work etc.
- iii) Financial short comings, or failures in past contracts.
- iv) Insufficient experience, or employing insufficient number of employees, or not employing qualified employees.

5) ADDITIONS / ALTERATIONS PROHIBITED:-

Tenderers shall not make any additions, alterations or changes in the tender form and the conditions of tender and supply including the description, specifications of material mentioned.

6) SITE VISIT :

Information about the work given in specification is purely tentative and may change during actual execution as per site requirement. The Bidder is advised to visit and examine the sites of work and their surroundings and obtain for himself, at his own risk and cost, all information that may be necessary for preparing the bid and entering into the contract for the works. The cost of visiting the site shall be at the Bidder's own expense.

7) INSTRUCTIONS TO BIDDERS :

The bidder must also satisfactorily demonstrate that, it has the personnel for the key positions required to carry out the works, and it has access to minimum levels of key plant, equipments and machinery that are required to complete the power transmission sector works within the stipulated time for completion, and that its proposals regarding work methods, scheduling and mobilization of resources are adequate to demonstrate the Bidder's capability to complete the works in accordance with the specifications and work completion schedule that its understanding of the requirements of the contract is clear and unambiguous. Any unsatisfactorily assessment of this requirement may lead to the bidder being evaluated as technically non-responsive.

8) AWARDING OF CONTRACT:

The MSETCL is not bound to award the contract to the lowest bidder. Eligibility of the bidder, submission of all documents, past record will carry due weightage while arriving at the decision.

9) SIGNING OF CONTRACT AGREEMENT:

The contractor shall enter into an contract agreement with the MSETCL within seven days from the date of receipt of work order. The MSETCL will not be liable to pay nor

shall the contractor be entitled to claim any bill amount due or payable under the contract until the agreement is executed with MSETCL. The necessary stamp duty for the agreement shall be borne by the contractor.

10) SECURITY DEPOSIT :

The Tenderer will have to pay security deposit within seven days from the date of receipt of the order, amounting to 5% of the value of the contract in the form of Cash/FDR/ D.D. of any Nationalized/ scheduled Bank in the favour of "MSETCL at the office of the Executive Engineer EHV Projects Dn, Kalyan payable at Kalyan valid for one year or Bank Guarantee in the prescribed format in favour of Executive Engineer EHV Projects Dn, Kalyan valid for one year. The Security deposit will be refunded only after satisfactory completion of the guarantee period. Failure to furnish the Security Deposit within the specified period shall entail to forfeiture of the EMD and cancellation of the contract.

11) GUARANTEE PERIOD:-

a) The contractor shall warranty / guarantee that, the material will be new and in accordance with contract documents & will be free from defects in material and workmanship for a period of 24 months from the date of final acceptance of works by MSETCL. Any defects developed due to defective materials and / or workmanship during testing and commissioning of equipment's or during the guarantee period of 24 months from the date of final acceptance of work by MSETCL, shall be rectified or made good by the contractor at his own cost.

b) The contractor's liability shall be limited to repair / replacement of any defective part in the equipment of his own manufacturer or those of his sub-contractor and arising from faulty design, materials and / or workmanship. All cost for the repair and / or replacement of defective part such as dismantling, re-erection, supply, transportation etc. shall be to the account of contractor.

12) PROJECT COMPLETION TIME:-

a) The Successful bidder will have to complete the entire execution of work within six months from the date of issue of work order excluding monsoon season subject to availability of outage.

b) The time period includes the time required for complete erection and commissioning and handing over of complete work to MSETCL.

13) TIME THE ESSENCE OF CONTRACT:-

- a) The time stipulated in the contract for the completion of the work shall be deemed to be the Essence of the Contract. The Contractor shall so organize his resources and perform his work as to complete the work within stipulated time period.
- b) The Contractor shall submit the activity wise bar chart within the time frame agreed, consisting of adequate number of activities covering various key phases of work. Also clearly indicating the completion period for various groups of activities.

This bar chart shall also indicate the interface facilities (e.g. outage approval, drawing approval etc.) to be provided by MSETCL and the dates by which such facilities are needed. The contractor shall discuss the bar chart so submitted with the MSETCL Engineer Incharge and the agreed bar chart which may be in the form as submitted or in revised form in line with the outcome of discussion shall form the part of the contract. During the performance of the contract, if in the opinion of the Engineer In-charge progress is not maintained, suitable changes shall be made in the contractors operation to insure proper progress.

- c) The above bar chart shall be reviewed and the monthly progress report shall be submitted by contractor as directed by the Engineer In-charge.

14) FORCE MAJEURE:-

Only the following conditions shall be considered for the purpose of this clause.

- i) Natural phenomena such as floods, draughts, earthquakes, epidemic etc.
- ii) Acts of any Government, domestic or foreign, such as war (declared or undeclared), priorities, guarantees, embargoes etc.
- iii) The party affected by 'Force Majeure' shall within 15 days of the occurrence of such a cause, notify the Board in writing with sufficient documentary proof.

15) LIQUIDATED DAMAGES:-

- a) If the contractor fails to complete all the works within the time frame stipulated, the MSETCL shall levy liquidated damages for breach of contract.
- b) The Liquidated damage shall be levied at the rate of ½ % (Half Percent) on the total contract price per week of delay, subject to the maximum of 10 % of the contract price for the entire scope of the work.

- c) In case of such delay, the contract may be terminated by the competent authority as per general rules and regulations of MSETCL and the balance work shall be got completed through separate contract at the risk and cost of the tenderer.

16) SCOPE OF WORK :-

- a) The material shall be supplied from the approved vendor of MSETCL & as per Standard technical specification of MSETCL. If any dispute arises regarding the Standard technical specifications and technical specifications required as per actual site condition, the decision of the Superintending Engineer, EHV Projects Circle, Kalwa will be final. The material supplied shall be as per the bar chart and as per work activity sequence. The material shall be supplied in complete set by the tenderer. Also the Tenderer will have to carry out the above work as per the Erection, Commissioning & Civil foundations as per the standard method of Projects of MSETCL.
- b) The Tenderer will have to submit the type test certificates of the material at the time of supply of the material. Also the material should be inspected and got approved from the representative of MSETCL before dispatching from the manufacturer premises. The necessary call for inspection of the material shall be given well in advance to MSETCL's office of The Superintending Engineer EHV Projects Circle Kalwa.
- c) Drawings :- The requirement of particular drawing If any shall have to be prepared by the tenderer.
- d) The tenderer shall prepare the drawings in accordance with the reference drawings of MSETCL suitable for this tender. All the drawings shall be got approved from the Superintending Engineer, EHV Projects Circle, Kalwa before start / executing the work.
- e) Any discrepancies / defects / modification / alteration if any in the drawings shall have to be arranged by tenderer at his own cost.
- f) The all above activities are part of the stipulated time period of the contract.
- g) The Tenderer shall have to firstly complete all the work for which the outage is not required. The tenderer shall have to propose the outages required for carrying out the work well in advance, so that the same can be arranged by MSETCL. Tenderer shall take

utmost care to complete the work during the approved outage hours only, The tenderer shall have to arrange the man power and T& Ps accordingly.

h) The works shall be executed as per norms required for EI approval.

i) ROW Problem :-

a) All the issues regarding ROW problems will have to be resolved by the contractor inco-ordination with DFCCIL (Dedicated Freight Corridor Co-operation of India Limited)as the work is of ORC nature & will be carried out for DFCCIL under 100% payment. However, the necessary co-ordination with various Government Authorities will be extended by MSETCL.

b) The MSETCL shall not be held responsible for any claim on account of damage done by the contractor or his gangs to trees, crops or other property without specified consent from the owner.

17) The Contractor shall have to arrange for the transport of materials, Man power, equipment's and T&Ps include all such cost in the rates quoted by him for finished work.

18) PACKING, FORWARDING AND TRANSPORTATION :-

1) The Contractor shall be fully responsible for Packing, Forwarding and Transportation of material by rail/road ways or by any other authorized mode of transport, clearance of equipment, material land further transportation to site place of work / storage yard etc., in respect of material in his scope.

2) Contractor wherever applicable shall, after proper painting, pack and crate all equipment's / material in such a manner as to protect them from deterioration and damage during rail / road or any other authorized mode of transfer. The contractor shall be held responsible for all damages / losses during transportation.

3) The contractor shall notify the Owner of date of each shipment from his / manufacturer works and the expected date of arrival at the site for the information of owner. The contractor shall give all shipping information concerning the weight, size and the contents of each packing including any other information the owner may require.

19) **WATCH AND WARD:-** The Contractor shall have complete responsibility of materials supplied by the contractor and handed over to contractor if any. The contractor shall keep watch and ward for all the materials.

20) **CONTRACTOR MATERIAL BROUGHT TO SITE:-**

The Ownership of Contractor's all goods, tools and plants shall, from the time of their being brought to site, vest in the Owner, and these may be used for the purpose of the works and shall not on any account be removed or taken away by the contractor from the site without the written permission of the Engineer In-charge. Contractor shall be solely liable and responsible for any loss or destruction thereof and damage thereto.

21) **CO-ORDINATION MEETING:-**

- a) The Co-ordination Meeting between the MSETCL and Contractor shall be held from time to time at the discretion of the MSETCL, to monitor the works.
- b) The Contractor will also be called upon to attend to design Co-ordination meeting with MSETCL, other contractors and consultants during the period of contract.
- c) The Contractor shall attend all these meetings at his own cost as and when required and fully co-operate with the MSETCL and other agencies involved during these discussion.

22) **SUPERVISION OF THE WORKS:**

The works shall be under overall supervision, and shall be subject to the approval of the Executive Engineer, concern or his designated representative. All the material to be used in the contract shall be as per standard specifications of the MSETCL and shall be got approved from the Executive Engineer concerned.

Operating Authority: This contract will be operated by concerned Executive Engineer or his designated representative not below the rank of Addl.EE.

23) **QUANTITIES:-**

The quantities indicated in the Schedules are approximate and may vary at the time of execution of the work as per site condition. The bill of quantity shall be got approved from the Executive Engineer before procurement of the same. The payment will be done for the actual quantity of work done.

24) **QUALITY OF WORK :-**

The Contractor shall be responsible for quality of work & workmanship.

25) CONTRACTOR'S EMPLOYEES:-

The contractors shall employ and provide onsite only such employees who are skilled and experienced for execution and supervision of works. The contractor shall provide housing accommodation to his employees. He shall also be responsible for any injury / accident to his employees, payment of compensations etc. as may require to be paid eventually, shall be borne by the contractor himself. The contractor should ensure that his staff uses the requisite safety equipment. The employees should be duly insured against any such eventuality.

26) DAMAGE TO PERSONS AND PROPERTY:-

The contractor shall indemnify the Board against any losses and claims regarding any injuries of damage to any persons, material or physical damage to any property whatsoever which may arise out of, or in consequence of the execution of the work.

27) SITE CLEARANCE:-

The contractor shall, during the progress of work, keep the site reasonably free of all unnecessary obstruction and shall store the material neatly so as not to cause any obstruction for normal working / operations.

28) BILLS:- All the payments will be made by Account Payee Cheques/RTGS only. Tenderer will have to submit the Tax invoice bills in triplicate to concerned Projects Sub-Division Incharge. P.O no should be indicated on invoice. The concerned Sub-Division Incharge shall verify & record the bills & will submit the same to the concerned Executive Engineer. The concerned Executive Engineer will verify & submit the same to the Superintending Engineer, EHV Projects Circle, Kalwa for auditing, passing & payment. The Superintending Engineer, EHV Projects Circle, Kalwa shall make arrangement for the payment.

29) PAYMENT SCHEDULE :-

Labour Portion :-

The Bills against the labour component will be paid in R.A. bills & a final bill.

30) The Income Tax & Good and Service Tax at the rate applicable will be recovered from your bills.

31) All royalties and all local and other Taxes/duties etc. shall be paid by the Contractor at his cost.

32) If the Contractor fails to execute the work, it will be treated as breach of contract & contract will be terminated and order will be cancelled by forfeiting the EMD/security deposit.


33) **APPLICABILITY OF GENERAL CONDITIONS OF CONTRACT :-**

Notwithstanding anything stated here, the Board's General Terms & Conditions of Contract shall be applicable to the contract as far as they are applicable to your contract.

34) **TERMINATION OF CONTRACT: -** The undersigned reserves the right to cancel the contract, after giving due notice to you, in the event of the breach of contract in any respect or undue delay in execution of works /starting of the works.

35) **The undersigned reserves the right to cancel the above enquiry at any stage without assigning any reason.**

36) In case of any dispute arising out of your contract, it will be in the jurisdiction of Thane only.


**EXECUTIVE ENGINEER,
EHV Projects Division Kalyan**

TECHNICAL QUALIFYING REQUIREMENTS

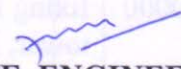
Following are the list of qualifying documents required for qualifying in the Techno Commercial Bids for opening of the Price Bids.

- a) Valid Electrical Contractor's License issued by Govt. of Maharashtra or any other State.
- b) The bidder should have basic infrastructure for Projects of EHV Transmission line/ Substation of at least voltage class one step below than the Voltage class as mentioned in scope of Tender, along with technical know-how, adequate tools and plants, machinery, testing equipment, skilled erection staff and experienced technical staff for Projects and commissioning of EHV Transmission lines/Substation. The bidder should furnish the details of tools and plants, machinery with rating / makes and list of Technical Staff available with him. Details in support of bidders capability for executing the works specified in the tender shall be clearly brought out in the offer. The bidder should have in his stock, the tools and plants as per the MSETCL's specifications required for EHV Transmission lines/Substation Projects and Stringing.
- c) The bidder should have in last 2 years executed the work of construction/ maintenance of transmission line/ Substation towers of at least voltage class one step below than the voltage class as mentioned in scope of tender, along with technical knowhow, adequate tools & plants, machineries, testing equipment's, skilled erection staff & experienced technical staff for design/Engineering of EHV transmission lines/ Substation, erection/testing & commissioning of EHV transmission lines/ Substation. Bidder should submit the details of tools & plants, machineries, with rating/makes & technical staff available with him. Details in support of bidders capability for executing the work specified in the tender shall be clearly brought out in the offer. The certificate regarding the same from the officer not below the rank of Executive Engineer shall be submitted along with the Bid.
- d) Certificate of Registration under GST
- e) PAN Number.
- f) EPF registration and the Last paid EPF challan.
- g) Valid Workman compensation policy.
- h) Annual Turnover for any one year of the Previous 3 financial years duly certified by Chartered Accountant should not be less than 60% of the estimated cost.
- i) List of Skilled personals along with qualifications. List of T&Ps.
- j) Constitution of the bidder's firm (Partnership deed, Articles of Association etc.)

The general & SRM related terms & conditions of MSETCL's as per regular procedure are also to be fulfilled by bidder.

Notwithstanding anything stated above, the MSETCL's decision in this regard shall be final.

The owner reserves the right to review the bidder's performance in MSETCL or any other transmission utility during last three years and may accept / reject the offer in part or full accordingly. The bidder has to submit all the relevant documents as per Technical Qualifying Requirement along with the Quotation



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Schedule (For Erection Portion)For reference only

Sr. No.	Service No.	Particulars	Unit	Qty.	Rate(Ex-Works)	Amount
10	2000000	Check Survey to carry out as per approved tower profiles, Digital Theodolite/total station/GPS etc. and location marking by fixing three pegs in alignment for suspension tower and by fixing five pegs in bisection for angle tower, including bush cutting along the centre line of alignment and repace marking if necessary etc. complete. Check survey including revision of profiles if required.	KM	0.5		
		Excavation for foundation in earth soil of all types sand, gravel & normal soil including removing the excavated material beyond tower limit up to 50 mtrs. Lead & all lift showering, shuttering, preparing bed for foundation& necessary backfilling after stub setting complete in all respect as per drawing to be furnished by owner.				
20	5000664 3	B.C. Soil.	Cum	500		
30	5000664 2	Hard Murum	Cum	75		
40	5000664 4	Fissured Rock	Cum	150		
		Stub Concreting				
50	5000665 5	B) PROVIDING AND CASTING IN-SITU CEMENT CONCRETE OF MIX 1:2:4 (M-20)OF TRAP METAL FOR FOUNDATION AS PER DRG. INCLUDING COST OF CEMENT, SAND, METEL, WATER AND FRAMEWORK, COMPACTION AND CURING ETC. COMPLETE IN ALL RESPECT.	Cum	10		
60	5000665 7	Providing and fixing in position epoxy coated reinforcement of M.S. plain or twisted for steel of various diameter for RCC work like footing, columns & beams as per detailed design and drawing including cutting, bending, binding of bars with binding wire or tack welding and applying anticorrosive paint etc. complete as directed (steel to be provided by contractor)	MT	12		

70	5000665 8	Normal pipe type earthing including excavation of pits/trenches laying of earthing strips, flats, pipes supplying & laying of salt & soft coke as directed by and as per the drawing to be furnished by owner & back filling in all respect with supply of earthing material.	Nos	2		
80	5000321 7	Erection of super structure of 220 KV D/C, M/C towers with extensions wherever required including step bolts, "U" bolts D shackles etc. tightening, punching of nut & bolts complete in all respect. This includes cost of sorting out of material at stores transportation to work site as directed and fixing of tower accessories as detailed below verticality of tower to be checked.	MT	20		
90	50003203	Stringing of three phases of both the circuit (Six Conductor) on D/C Tower with 0.2 Panther Conductor	Km	0.5		
100	50008423	Stringing of 1 No. Earthwire 7/3.15 mm galvanized Steel Wire on top of Tower	Km	0.5		
110	50002828	Providing dewatering of excavated pits surrounding area during excavation and concreting with diesel/electrical pump.	/Hp/ 8Hrs	250		
120	50003204	Destraining of three phases of both the circuit (Six Conductor) on D/C Tower with 0.2 Panther Conductor including Earthwire	Km	0.5		
130	50006671	Dismantling of Towers Dismantling of OLD Existing 132KV D/C Horizontal towers including transportation of material to site stores/stores stacking, weighing etc. complete in all respect.	MT	8		
140	50003263	Electric tack welding to tower up to two sections and painting with anticorrosive paint.	Tow er	1		
		Stub setting in all type of soil with the help of stub template / PROP setting including transportation if required to the desired location, fixing the stubs in position as per the alignment, jacking, fixing and leveling the template and the stub as directed by engineer in-charge				
150	50003082	60 Degree 132kv M/C	per Loca tion	1		

		Stub Concreting			
160	50012702	Providing and casting in situ cement concrete of mix 1:1:2 of trap metal of Std. Grade as per the requirement including cost of cement sand metal and water including finishing coping and curring for tower foundation complete as per drawing and as per directives of engr. In charge	per Location	150	
					Total


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