



# MAHATRANSCO



MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.

Office of the Executive Engineer,  
EHV Projects Division, MSETCL, Nasik  
New Admn. Building, Block No.08, First floor, Near Durga Mata Temple, Old Saikheda Road,  
Jail Road, Nasik Road, Nasik. 422 101  
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EE/EHV/PROJ/DIV/NSK/Tech/

No 1259

Date 5 AUG 2020

## SRM E-enquiry

To,

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**Sub:** SRM E-enquiry for Reconnaissance, alignments & detailed survey work of associated lines for 400KV Pimpalgaon (Sarole) S/S.

**Ref:** Addl.EE/S&I/SDN/NSK.Rd/76 Dt 05.08.2020

Dear Sir,

Online bids through Mahatransco SRM e-enquiry system from registered agencies in MSETCL SRM E-tendering system (website <https://srmetender.mahatransco.in>) are invited for for Reconnaissance, alignments & detailed survey work of associated lines for proposed 400KV Pimpalgaon (Sarole) S/S. Rfx No.:- 700017056  
Last date of bid submission is 13.08.2020 till 23:59 Hrs.

### TERMS & CONDITIONS:

1. **Scope of work:** The said work should be carried out in accordance with the particulars and description enlisted in the enclosed **Schedule-B**.
2. The rates should be quoted on firm quotation basis including cost of material, labour charges, T&P etc. required for execution of the work, transportation charges & taxes if any.
3. All the instruments, T&P, vehicles, labours etc. shall be arranged by agency. No T&P or labour will be provided by the MSETCL.
4. The Contractor should furnish details of i) Experience of similar nature of work, ii) Bombay Shop Act certificate, iii) GST Registration certificate, iv) PAN/TAN, v) EMD & Tender fee paid proof etc. along with online bid.
5. Taxes will be applicable as per rule.
6. The rates should be quoted in figures as well as in words.

7. 5% Security Deposit is to be deposited in Cash/Crossed DD/ Cheque before commencement of work. The same shall be refunded to you after the satisfactory Completion of the work.
8. 100% payment will be made after completion of work as per schedule B and on submission and acceptance of final report as per schedule B.
9. **DELIVERABLES**
- 9.1 The consultant will submit three copies of final report and soft copies shall also be submitted along with drawings.
- 9.2 All raw data for all the studies/reports/survey shall also be submitted.
- 9.3 All reports shall be submitted properly bound and printed using good quality paper & material.
- 9.4 Reconnaissance survey report marked on latest TOPO sheet obtained from survey of India with three alternative alignments. Scale of map should be 1:50000
  - i) Profiles original tracing and 1 no. of blue print set.
  - ii) Combined village map marked with alignment and safety belt along with 1 no. of blue print copy. Village wise list of Gut no./survey no.
  - iii) Investigation report stating unavoidable forest, N.A., Govt land, lands owned by local authorities along the proposed route shall be submitted with supporting documents.
  - iv) Soft copies of all above in 1 set.
10. MSETCL will not be responsible If any damage is occurred to the contractor's equipment/T&P OR any accident to contractor's labours /personnel during work execution. Also, MSETCL will not be responsible if any theft/loss of contractor's material is occurred.
11. Any kind of loss to the MSETCL's property observed during the course of execution of work, by contractor's labour due to wrong operation shall be recovered from the bill.
12. Income tax will be deducted as per prevailing rules from the bill & a certificate to that effect will be issued to the contractor.
13. The work should be completed within 10 days from the date of handing over of clear work site, failure of such; penalty equal to ½ % per delayed week subject to the maximum of 10% of the ordered value will be levied.
14. The work should be strictly carried out as per standard specifications and up to the entire satisfaction of the Engineer-In charge.
15. The contractor will be abiding by the Rules & Regulations in force in respect of his employees & workmen under the Workmen's Compensation Act & the Contract Labour Act etc. He should be a registered contractor & documentary evidence of the same should be produced.
16. As per provision of 'Mumbai Mudrank Adhiniyam, 1958 clause No.34' an agreement on appropriate value (Rs.500/-) of stamp paper shall have to be executed with MSETCL for execution of contract satisfactorily before commencing work. The amount of the fees for such an agreement shall be borne by contractor.
17. Right to accept any or to reject any or all the quotations without assigning any reasons thereto is reserved by the undersigned.
18. The quantities enumerated in attached Schedule 'B' are approximate & payment will be made against actual executed quantities.
19. The rates quoted should be valid for 60 days.
20. Idle charges for any reason will not be accepted.
21. Not contained herein all other terms and conditions of MSETCL will be applicable to this enquiry

2. In case of any dispute regarding this contract, the jurisdiction of the court will be Nashik.  
Thanking you,

Your's faithfully,



Executive Engineer  
EHV Projects Division  
MSETCL, Nasik.

**Copy s.w.r.to,**

The Superintending Engineer, EHV Projects, MSETCL, Nasik.

**Copy to,**

- 1) The Manager (F&A), EHV Projects Division, MSETCL, Nasik.
- 2) Notice Board.



**Schedule B**

Work of Reconnaissance, alignments & detailed survey work of associated lines for 400KV Pimpalgaon (Sarole) S/S.

Sr. No.	Particular	Unit	Qty	Rate (Rs)	Total (Rs)
Reconnaissance, alignments & detailed survey work of 220KV M/C Line on M/C towers from proposed 400KV S/S to 220KV Pimpalgaon S/S & 220KV Ekhlahare (GCR) S/S.					
1	Preliminary survey with GPS survey, theodolite , Marking route on topo sheets representing actual field conditions etc. complete in all respect.	km	8		
	a) Reconnaissance survey of the proposed tower alignment on the field to ensure that there are no any structures, forest, grave yard irrigation tank & project location & non-agriculture land etc. are involved in the route & proposed the most economical & feasible alignment for the afore said work.				
	b) Carrying out alignment survey with the help of standard theodolite & fixing the alignment to the satisfaction of Engineer-in-charge.				
2.	Detailed survey including tower spotting and tower profiles, Detailed survey with GPS, Total station, Digital theodolite etc. along the approved alignment, preparation of profiles, tower spotting, tower schedules and soil resistivity, marking of route on topo sheet and village map and khasra map, identification of forest railway crossing, highway crossing, proposed development along the route /corridor etc collection of 7/12 alongwith Gut survey nos & GPS coordinates of all proposed towers along the route /corridor. The detail scope is as below--				
	a) Carrying out detailed survey by standard leveling instruments at every 30 Mtr. Interval or less and details of physical features such as nallas channels forest telephone and electric levies, distance of pole from tower center line taking levels and lateral distances or raised ground and preparing field book including tracing of route map etc. complete as directed.	km	8		
	b) Preparation of ground profile (L sector) on standard scale graph tracing paper showing all details and marking the tower spotting on ground profiles by using the approved sag template, tower spotting data and preparation of tower schedule submitting one sag template original profiles and two prints of tower schedule etc. complete.				
	c) Providing dressed head store pillars of size 150 mm x 150 mm x 600 mm for tower center line reference pillars and fixing in center line by excavating 450 x 450 x 400mm pit an embedding in cement concrete 1:3:6 mix including painting exposed portion by oil paint and center live marked over pillars embedded pillars will be provided at every angle point with guide pillars at both directions and road, river crossing at every 2 to 3 nos. per km. As directed by Engineer in charge.				

Reconnaissance, alignments & detailed survey work of LILO on 400kV Aurangabad-Boisar line at proposed 400KV Pimpalgaon (Sarole) S/S

1	Detailed survey including tower spotting and tower profiles, Detailed survey with DGPS, Total station, Digital theodilite etc. along the approved alignment, preparation of profiles, tower spotting, tower schedules and soil resistivity, marking of route on topo sheet and village map and khasra map, Identification of forest railway crossing, highway crossing, proposed development along the route /corridor etc collection of 7/12 alongwith Gut survey nos & GPS coordinates of all proposed towers along the route /corridor. The detail scope is as below--				
	a) Preliminary survey with GPS survey, theodilite , Marking route on topo sheets representing actual field conditions etc.complete in all respect.				
	b) Reconnaissance survey of the proposed tower alignment on the field to ensure that there are no any structures, forest, grave yard irrigation tank & project location & non-agriculture land etc. are involved in the route & proposed the most economical & feasible alignment for the afore said work.				
	c) Carrying out alignment survey with the help of standard theodolite & fixing the alignment to the satisfaction of Engineer-in-charge.	Km	1		
	d) Carrying out detailed survey by standard leveling instruments at every 30 Mtr. Interval or less and details of physical features such as nallas channels forest telephone and electric levies, distance of pole from tower center line taking levels and lateral distances or raised ground and preparing field book including tracing of route map etc. complete as directed.				
	e) Preparation of ground profile (L sector) on standard scale graph tracing paper showing all details and marking the tower spotting on ground profiles by using the approved sag template, tower spotting data and preparation of tower schedule submitting one sag template original profiles and two prints of tower schedule etc. complete.				
	f) Providing dressed head store pillars of size 150 mm x 150 mm x 600 mm for tower center line reference pillars and fixing in center line by excavating 450 x 450 x 400mm pit an embedding in cement concrete 1:3:6 mix including painting exposed portion by oil paint and center live marked over pillars embedded pillars will be provided at every angle point with guide pillars at both directions and road, river crossing at every 2 to 3 nos. per km. As directed by Engineer in charge.				
	<b>Total cost of estimate</b>				

Executive Engineer  
EHV Projects Division  
MSETCL, Nasik.