MAHATRANSCO

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED

Name of Office		**Office of the Executive Engineer**
Office Address		EHV (O&M) Division, 132kV S/s Campus, Ganapati Chowk, Jintur Road, Parbhani-431401
Contact No.		(O) 02452-233026; Mob-7447440602
Email Id		ee2120@mahatransco.in / eepbn1@gmail.com
Website		www.mahatransco.in

EE/EHV (O&M)/PBN/TS/No. No 907 **Date: - 18.09.2019**

Enquiry Notice

Subject: E-Enquiry for detailed survey of various EHV Lines having low ground clearance under EHV(O&M) Division, Parbhani (FY 2019-20).

Dear Sir / Madam,

Sealed & Super scribed quotations are hereby invited, by undersigned, for the work of detailed survey of various EHV Lines having low ground clearance under EHV(O&M) Division, Parbhani, as mentioned in Schedule-B. Submit the sealed quotations to this office during Dt. 19.09.2019; 11:00Hrs. to 25.09.2018; 13:00Hrs.

The Other Terms & Conditions are as follows:

1. Quotations should be duly filled in all respect & to be submitted to this office, within due date.
2. Rates should be quoted in Schedule-A with offer validity of min. 45 Days from 25.09.2019.
3. Taxes, duties, cess will be deducted from bill, as per applicable Govt. norms.
4. Enclose the copies of following documents, along with quotations:
   - Shop Act License
   - Pan Card
   - GST Registration
   - Income Tax Return for last assessment year.
   - Latest GST return filed.
   - Experience certificate signed by officer not below the rank of Executive Engineer, towards similar type of work carried out at MSETCL in last 5 years.
5. Estimated amount for said works is limited to **Rs. 2,91,589.00 /- (Including all Taxes)**
6. The quotations not confirming to the specifications as described in Schedule-A, are likely to be rejected.
7. The envelope containing quotation should be properly sealed & subscribed Quotation for: **"Quotation for detailed survey of various EHV Lines, having low ground clearance, under EHV(O&M) Division, Parbhani (FY 2019-20)."**
8. You should quote PAN, GST registration number, SAC code etc on quotation.
9. Terms & Conditions, as per MSETCL's Rule will be binding upon you.

Thanking You,

Yours Faithfully,

Encl: Schedule A, B & C

(Milind D. Bansode)
Executive Engineer,
EHV (O&M) Division, MSETCL
Parbhani

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Schedule "A" - SCOPE OF WORK:

The Reconnaissance survey has to be carried out by the contractor consist to walk over, in between the above two points to fix up the best position of survey position and during the reconnaissance a reference point on topo sheet should be marked with general arrangement of line, principal features such as building, temples, gardens, coal deposit area, major or minor irrigation dam, village roads, state highway, national highway etc. villages, tower, factory, railway lines, MSEB lines, telephone lines, rivers, Nallas, approach roads, etc. should be shown. While selecting shortest line route, the inter-visibility of the line points should be examined. The contractor has to submit four prints of entire line on topo sheet of 1:50,000 scale along with all general arrangement of line. All the details such as irrigation projects, catchment area of the dam, EHV lines, highways should be marked prominently on the topo sheet.

1. Survey should be carried out by avoiding reserved forest social forest, N.A. land, major/minor irrigation scheme, percolation tank (the smaller irrigation scheme which are not possible within single open limit).

2. While carrying out survey, levels should be taken at 15 Mtrs. To 30 Mtrs. Intervals and near for particular ground details, such as sudden fall/arise at ground level, starting and end points, roads, Nalla, river, chain bunds, pipe lines, canal etc. exact chain ages of HT, LT telephone lines crossings should be taken.

3. While deviating the line from its course, wherever necessary, it should be done in limits of 0 Degree to 60 Degree on left or right side of its course. In no case reverse angle should be considered.

4. Angle point to angle point alignment should be precisely in straight line.

5. Starting point x, end point of alignment (i.e. near the sub-station) and angle point should be fixed with permanent type of peg and by taking it orientation true to the north and its Surrounding details should be recorded in the field book.

6. Change point of instrument should be adopted by providing peg in alignment by seeing Bottom most part of ranging rod to maintain the continuity of alignment.

7. Wherever necessary, at hill area or alignment at steep slope, cross section levels at 5 to 10Mtrs. Interval should be taken and recorded.

8. While crossing Railway lines, telephone lines, Highways, River crossing, major roads, it should be between 60 Degree to 90 Degree in consultation with the site engineer and in following manner.

RAILWAY CROSSING:

Every possible details should be taken such as exact chainages from Railway boundary, T.P. lines, tracks, distance, tracks, top level, track gauge, chainages of electrical, mast height, if electrified distance and pole number of kilometer number and its distance on either side of alignment.

TELEPHONE/TELEGRAPH LINE:

Angle crossing distance of poles, on either side, their respective numbers, number of carrier wires, height of wires at crossing and pole height and nearby details for locating line, such as road, name of road, river etc.

NATIONAL HIGHWAYS, MAJOR ROADS, STATE HIGHWAYS:

Details of starting of Nallas, gutter if any, ground cutting, embankment curbs road edge, road center and at other end etc. should be taken angle of crossing, name of road, number of National Highway/state Highway, name of villages, with their respective side, Km. stone number and distances on either side, trees, their types and its distances from line with 20 Mtrs. On either side should be mentioned.

RIVER CROSSING:

While crossing the river its starting edges, actual water course, flow of water, ending edge, H.F.L. soil strata on either side of river banks within 100 Mtrs. Whether it is under navigation period of ferry services and maximum height of mast, if they are with sails.

The survey should be carried out on the basis of maximum possible shortest route, while surveying, laying, stretching, pulling, chains, placing rods, staves, instruments etc. a care should be taken to minimum possible disturbance to the crop, cutting of branches, bushes, for visibility and with the knowledge of field land owner and in consultation with site Engineers.

All the survey work done should be recorded in standard level book and field book and one set of such books should be submitted to the office of Engineer-in-charge. All the above work should be got approved Engineer-in-charge before survey is started.

Fixing of pillar stone: pillar stones of size 150mm x 150mm x 600mm for tower line center reference pillars and fixing in center line at average 3 numbers per km as detailed in schedule 'A'.

Taking trial pits: Excavation in all types of strata for taking trial pits at minimum 3 numbers per km as detailed in schedule 'A'. The trial pit report should be submitted along with detailed report strata classification. The report should also indicate the number of trial pits taken in each section of alignment.

The Agency should submit details of survey carried out such as tower profiles, route maps, tower schedule, Gut/Survey Nos. to be affected in the survey line, coordinates of towers, village maps duly marked through which proposed EHV line is passing.

MAHATRANSCO
MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.,

EHV(O&M) Division Parbhani.

E-Enquiry for detailed survey of EHV Line locations having low groung clearance under EHV(O&M) Divison Parbhani.

E-Enquiry : EE/EHV(O&M)/PBN/TS/ 907 Dt 18.09.2019

Schedule "B" - Price Schedule.

Sr. No.	Particulars of Works	Service Number	Unit	Unit rate including all taxes in Rs	Quantity	Bidders response	Remark
1	Preliminary survey with GPS survey, Theodilite, Marking root on toposheet representing actual field conditions etc. complete in all respect.	50003232	Km	2273.00	20.00		Quote Rates in Rs for each item in Bidders response column.
2	Detailed survey with GPS/Total Station/Theodilite etcincluding tower sspotting & schedules, preperation of tower profiles, approval of alignment, marking of route/corridoron toposheet, village map & khasra map, identification of forest, railway crossing, highway crossing, proposed development along the rout/corridor etc, collection of 7/12 along the rout/corridor.	50003231	Km	7813.44	20.00		
3	Excavation of pits of standard dimensions of 1 mtr X 1 mtr X 3mtr depth/ upto hard rock at 1Km interval or where ever there is abnormal change of topography and taking observations of soil strata for classification of foundation and backfilling the trails pits after vetting by departmental officials and submission of trial reports.	50006972	Per Pit	1065.47	20.00		
4	Providing & fixing 200mtr stone of size 150mm x 150mm x 650mm as per IRC design including painting, numbering, fixing in C.C. 1:4:8 of 500 x 500x 750 size blocks complete. Spec no Rd 69 page 243.	50013904	No	685.51	100.00		

Executive Engineer

EHV(O&M) Division, MSETCL,

Parbhani.

Signature

Name:

Date:

Stamp/Seal of Organization:

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.,

EHV(O&M) Division Parbhani.

Details of EHV Line locations having low groung clearance & identified for detailed Survey under EHV(O&M) Divison Parbhani.

E-Enquiry : EE/EHV(O&M)/PBN/TS/ 907 Dt 18.09.2019

Schedule "C"

Sr No	Name of Line	Identified locations for Survey	Cut point locations	Approx Ckt Km between Cut-Points	Minimum line length considered for survey in Ckt Km	Remark
1	220KV Parbhani-Waghala & 220KV Nanded-Ghatodi D/C Line	28-31	20 & 32	3.3	3	Low Clearance
2	132KV Parbhani-Pathri	61-62	58 & 65	2.1	2.1	Low Clearance
3	132KV Parbhani-Pathri	42-43	42 & 43	0.3	0.3	Railway crossing
4	132KV Parbhani-Bageshwari (Partur)	139-140	139 & 154	3.9	3	Road crossing
5	132KV Parbhani-Gangakhed	16-17 & 32-33	16 & 34	5.4	3	Road crossing
6	132KV Parbhani-Jintur	495-496	495 & 505	3	3	Road crossing
7	132KV Parbhani-Jintur	546-547	546 & 552	1.8	1.8	Road crossing
8	132KV Parbhani-Jintur	572-573	572 & 586	4.2	3	Road crossing

Executive Engineer
EHV(O&M) Division, MSETCL,
Parbhani.

Name:
Signature

Stamp of organizations: