



MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.
CIN No:U40109MH2005SGC153646

From :
 Executive Engineer, EHV Projects Division-I, Pune
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Ref.No.EE/EHV/Projects/DN-I/PN/Tech/1298

Date : 24.08.23

TO WHOM SO EVER IT MAY CONCERN

This office intends to carry out underground survey for proposed EHV underground cable line under this office. The details of the same are as below.

Work details	unit	Ex work rate with Lc	GST%
<p>1.Underground cable survey which includes</p> <p>1. Carrying out ground penetration radar survey which includes, doing sub-surface utility engineering survey using ground penetrating radar & pipe cable locator in the instructed area to find out existing underground utilities in the project site & submit the report along with topographical drawing in AUTOCAD format in soft copy as per attached specification.</p> <p>2. Preparation of Joint bay details showing adjoining 500m route length to joint bay in alignment along with chain age at 20m intervals with RL, Latitude & Longitude 7 Easting Northing of Joint bay & at major deviation of cable route.</p> <p>3. Trial pits for identification of soil strata for every joint bay location should be taken. Engineering survey using total station & DGPS for land survey, road, railway project, all types of utilities work, including land measuring, field marking (setting out), pipe line, as build post locator, concrete check & preparation of detailed project report (DPR) for all above works.</p> <p>4. Pipe & cable locator should be used before earth work excavation, to find out live or dead cables & pipe line of various services buried in past. Ground Penetrating Radar to find out below ground utilities, buried structures, by scanning & making digital drawing upto 5m using various antennas, concrete scanning upto 1m depth & producing rebar position & cover, airport runway scanning, earth layer defects, railway embankment, road base & earth work, reservoir, river or any water body bottom profile upto 15m. Underground pipeline leakage detection.</p> <p>5. Preparation of Geographical Information System for all type of town planning infrastructure. Submission of finalized route drawings in AUTOCAD format in soft copy, in hard copy & GPS co-ordinates of finalized route alignment for future reference.</p>			
a.Carrying out Topographical Survey	Km		
b.Carrying out GD Penetration Radar Survey	Km		

Work details	unit	Ex work rate with Lc	GST%
2. Preparation of PTCC for the proposed lines which includes preparation of proposal, topography sheet representing telephone exchange details, railway track & railway station details falling under 8 km radius circle from proposed sub-station, collection of connecting sub-station layouts, preparation of EPR sheet & soil resistivity statement, collection of tower drawings, underground cable drawings, earthing drawings etc. as directed by engineer-in-charge. Submission of finalized proposal in hard copy, one no. set to concerned office.	each		

All interested are requested to submit their best offer for above said work on Email ID:ee6610@mahatransco.in alongwith applicable rate of GST & LC on or before 01.09.23 positively.

This budgetary offer is invited only for estimation purpose and same will not be considered for any bidding OR other activity. Please note.

SD/-
Mahendra Katenge
Executive Engineer
EHV Project Division –I, Pune