Annexure-I

National Highways and Infrastructure Development Corporation Limited (NHIDCL), PMU Dharmanagar		
Name of the Work: Quotation for Detailed Survey using MASW (Multi-Channel Analysis of Surface Waves) & ERT (Electrical Resistivity Tomography) Technique for the landslide prone area of Tlakshi on Kanchanpur-Vaghmun section of NH-44A (Package-III).		
Geophysical investigation	**Requirements**	**Quoted Rate (in Rs.)**
1) Conducting & submission of Geophysical investigation report for Multichannel Analysis of Surface Waves (MASW) at the land slide prone area of Tlakshi at design Ch.65+800 (approx.).	Three 120-m (approx.) long transects should be investigated with MASW. The MASW transects should run along the base of the slide i.e., the hillside shoulder of the highway; the top transects should run along the top of the failed slope and a third pair along the mid-height of the failed slope. The investigation needs to provide three vertical slices of shear wave velocity (at 25 m/s contour interval) and three similar sliced of bulk resistivity along their entire length. The formation should be characterized to a depth of 50 m (measured vertically from slope crest).	
2) Conducting & submission of Geophysical investigation report for Electrical Resistivity Tomography (ERT) at the land slide prone area of Tlakshi at design Ch.65+800 (approx.).	Three 120-m (approx.) long transects should be investigated with ERT. The ERT transects should run along the base of the slide i.e., the hillside shoulder of the highway; the top transects should run along the top of the failed slope and a third pair along the mid-height of the failed slope. The investigation needs to provide three vertical slices of shear wave velocity (at 25 m/s contour interval) and three similar sliced of bulk resistivity along their entire length. The formation should be characterized to a depth of 50 m (measured vertically from slope crest).	
	Total Amount (Rs.) (Sl. No. 1 + 2 above)	