CORRIGENDUM-2

PROFORMA –X AGAINST TENDER NO: CGI9064P19 HAS BEEN AMENDED AS UNDER.
BIDDERS ARE REQUESTED TO READ THE PROFORMA AS BELOW

PROFORMA-X

Following amendments are hereby issued against this tender:

Page no.	Clause no.	Existing	Amendment
Page 63 of 125	PART II – SOQ SOR Item 60	Acquisition of land for pipeline route: Acquisition of land for pipeline route(s) through outright purchase: Ascertaining the pattadars and occupiers along with concerned Land Revenue Officer with land record, identification of pattadars and occupiers, settlement with pattadars and occupiers for their consent. Finalization of compensation (as per OIL's rate) towards surface assets and land value and obtaining consent from occupiers and pattadars, facilitating in execution of Agreement to Sale, Obtaining Sale Purchase Permission from Authority(s), facilitating in registration of Sale deed till submission of application for Mutation. Scope of work & specification shall be as per details details in relevant clauses of 'Annexure AA - SCOPE OF WORK FOR PIPELINE ROUTE SURVEY AND ASSOCIATED SERVICES', including submission of data, reports etc. in Hard and soft copies complete in all aspects. The cost will be all inclusive except GST.	Item no. 60 DELETED. <u>Note:</u> Any bidder if quotes against this item will not be taken for evaluation.
Page 70 of 125	PART II – SOQ SOR Notes	---	*(New note after note 7)* 8. Explanation for Units of measurement in SOR: KM – Kilometre; AU – Activity Unit (i.e. rate for the item as one unit); M - Metre
Page 76 of 125	ANNEXURE-AA Special	Conducting SOIL RESISTIVITY SURVEY at intervals of 500 m and at 1.5 m below NGL (approx.) along the pipeline as per	Conducting SOIL RESISTIVITY SURVEY as per specifications ANNEXURE-BB Terms of Reference clauses 7.0. Conducting

Page no.	Clause no.	Existing	Amendment
	Conditions of Contract (SCC) Clause 3.3	specifications. Conducting chemical analysis as per specifications etc. including submission of data, technical/ analysis reports, drawings in hard and soft copies complete in all aspects.	chemical analysis as per specifications etc. including submission of data, technical/ analysis reports, drawings in hard and soft copies complete in all aspects.
Page 100 of 125	ANNEXURE-BB Terms of Reference clause 6.0:	6.0 SOIL STRATIFICATION SURVEY: The specification covers the soil stratification survey along the selected pipeline route for determining stratification of soil as per specifications including submission of data, technical/ analysis reports, drawings in hard and soft copies. Laboratory Testing, Atterberg Limit, Particle Size Analysis, Unit Weight and Water Content Determination etc. shall be carried out as per specifications for Geotechnical Survey.	6.0 SOIL STRATIFICATION SURVEY: The specification covers the soil stratification survey along the selected pipeline route for determining stratification of soil as per specifications including submission of data, technical/ analysis reports, drawings in hard and soft copies. Laboratory Testing, Atterberg Limit, Particle Size Analysis, Unit Weight and Water Content Determination etc. shall be carried out as per specifications for Geotechnical Survey. Soil investigation/stratification work shall be carried out by boring holes from Natural Ground Level (NGL) to 3 m depths @ 1000 meters centre to centre along the entire route alignment.
Page 100 & 101 of 125	ANNEXURE-BB Terms of Reference clause 7.0:	7.0 CORROSION/SOIL RESISTIVITY & CHEMICAL ANALYSIS SURVEY: The purpose of this test is to investigate for the need of cathode protection and to have data necessary for the design of an adequate grounding system. The Soil Resistivity measurement shall be carried out in accordance with IEEE 81 standard “Guide for Measuring Earth Resistivity, Ground Impedance and Earth Surface Potentials of a Ground System”. The measurement shall be done using Wenner Four Points Method with equal test rods spacing. The rectangular grid shall be drawn for the testing areas with mesh spacing at approximately 5-10 m. The measurement shall be made at every intersection point of grid lines. The measurement at any point shall be done for two directions, one from the measured point along the direction from east to west and another shall be from the measured point along the direction from north to south. The measurement at any point shall consist of the	7.0 CORROSION/SOIL RESISTIVITY & CHEMICAL ANALYSIS SURVEY: 7.1 Unless otherwise specified the soil resistivity measurements shall be carried out at intervals of approximately 500 m along the ROU. Where soil resistivity is less than 100 ohm-m and two successive readings differ by more than 2:1 then additional soil resistivity readings in between the two locations shall be taken. 7.2 To carry out the soil resistivity measurement, Wenner's 4 pin method or approved equal shall be used. The depth of resistivity measurement/ electrode spacing at each location shall be at 1 m and 2 m. In general, the resistivity of soil, which shall be surrounding the pipe, shall be measured. 7.3 All measurements shall be made and recorded in metric units. While recording the data reference to the nearest intersecting point shall be made. To provide visual representation of variations in the resistivity along pipeline route, values shall be plotted on semi log graph sheets. 7.4 TESTS ON SOIL SAMPLES: Soil samples shall be collected

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		measured data at the varying space between test rods for the following distance; 0.5, 1.0, 2.0, 3.0, 4.0, 5.0 m. For each area of measurement, the results of measurement shall be shown in the table for each point of measurement for each direction and every designated space of measurement. The measured resistivity data shall be averaged for each of the same spacing of measured data. The overall averaged resistivity of each area shall also be reported.	along the pipeline route for analysis. Samples shall be collected on an average at one location for every 10 km along ROU with minimum at approximate two equidistant locations. At each location the soil samples shall be collected at 1 m, 2 m depth and at scheduled/ designed depth of pipeline if it is more than 2 m at the location. The collected soil/ water samples shall be analysed to determine presence and percentage of corrosive compounds including carbonates, bicarbonates, nitrates, chlorides, oxygen activity, moisture content and pH value.
Page 97 of 125	ANNEXURE-BB Terms of Reference clause 5.8:	TERMINATION CRITERIA: If very hard strata are met within the borehole at depths shallower than specified in tender documents, the borehole shall be advanced by chiselling. If in the opinion of the Engineer-in-charge, the rate of advancement of borehole is still low, coring may be resorted to subsequently. Maximum length drilled in rock strata shall be limited to 10.0 m if rock is available at 2.0 m from Bed / G.L level.	TERMINATION CRITERIA: If very hard strata are met within the borehole at depths shallower than specified in tender documents, the borehole shall be advanced by chiselling. If in the opinion of the Engineer-in-charge, the rate of advancement of borehole is still low, coring may be resorted to subsequently. Maximum length drilled in rock strata shall be limited to 10.0 m if rock is available at 2.0 m from Bed / G.L level. Boring may be terminated on encountering 3 m of continuous rock strata.

Sd/-

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