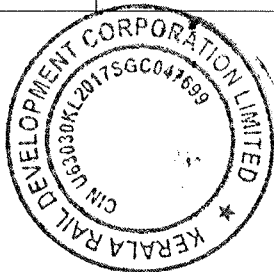
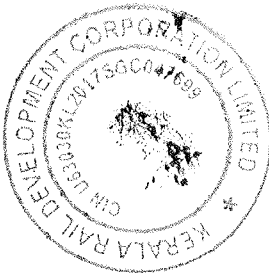


<b>Tender Queries and Clarification</b>		
Project : Geotechnical investigations including Geological & Geophysical surveys along the corridor including Tunnel sections for Semi High Speed Rail Corridor(SilverLine) between Thiruvananthapuram to Kasaragod		
Tender No : KRDC/118/2020		
Client : Kerala Rail Development Corporation Limited		
Sl No	Bidders Query	Clients Response
1	It is requested to specify the exact location along with the structure details (with the kml/ kmz file) for drilling the Boreholes and also for carrying out Geological Mapping for the mentioned stretch.	The Exact details of Locations and structure will be given during execution stage. However the tentative locations will be shared as desired.
2	Please specify number of water (riverine / marine) boreholes to be executed along the area of interest.	Boreholes for Major bridges shall be done in shore near river waters as specified by Engineer-in-charge. But not inside the water.
3	Kindly specify the minimum and maximum depth of water, flow of water, tidal difference and current of water for riverine / marine boreholes to be executed.	N/A
4	Please mention the type and required number of rigs to be mobilized for the said project.	As specified in "Volume 2 of Scope of Work Clause 3(1) of Detailed Schedule of Work" and as per "General Conditions and Instructions to Tenderers Clause 5 – Time Schedule.
5	Specifications required for intertidal borehole locations; if any.	N/A
6	Please specify distance between one borehole to another borehole	Will be specified during execution stage as per site conditions as locations are tentative.
7	Please specify with location number of mountain boreholes to be drilled, along with the maximum altitude	Total of 5 number of boreholes to be drilled in tunnel locations/mountain boreholes. The maximum depth drilled be 60m as specified in "Volume 2 Scope of work Clause 2.1 (a)(ii) Termination of Boreholes in tunnel locations"
8	We assume that all the required permission needed for the project work will be provided by client. Please confirm.	Contractor shall obtain permission from State Govt/ local authority as per clause no 15.2 of Special conditions of contract. However letters if any required will be provided by KRDC.
9	Site clearance is not considered in our scope of work. Please confirm on this	Clearance of site on completion will be vendor /contractors scope as per clause no 40(2) of General conditions of contract.
10	Kindly mention the type of barricading to be used (Soft / Hard) while executing the drilling work.	Refer Clause 22.6 of Special conditions of contract.



11	We assume that the Geophysical Survey is 2D ERT or Wenner 4 electrode method. Please confirm.	Electrical Resistivity test shall be conducted as per IS 15736: 2007 as specified in Scope of work.
12	Total 5nos. of ERT are mentioned in BOQ. Please mention the length of one single ERT.	As per IS 15736:2007.
13	Please specify the maximum depth of investigation by ERT survey.	Maximum depth of Investigation will be 60m.
14	The rates mentioned in BOQ seems to be for Wenner 4 electrode survey. Please clarify.	BOQ rate covers for ERT as per the provision of IS 15736:2007 and contractor may quote % above/at par/below BOQ rate.
15	Please provide the exact location(s) of the tunnel for total 5.7km for which Geological mapping to be conducted. Please share the .kml file of the area to be surveyed.	The kml file shall be shared along with corridor width for geological mapping during execution stage.
16	Please mention the corridor width of the tunnel alignment for Geological survey to be conducted.	The corridor width of the tunnel alignment will be decided by Joint inspection with alignment expert and GC's GT expert as specified in "Volume 2 Scope of work Clause 2.2 (II)."
17	We assume that Geological model will be derived from latest Satellite imagery along with DEM for identifying geo-hazards zones. Please confirm on this.	Bidders shall follow the Scope of work in the tender.
18	We presume that benefits of MSME including waiver for submission of EMD is applicable as per government guidelines.	Not exempted and EMD is applicable.
19	Please let us know that, as per tender published ( KRDC/118/2020) on line of Geotech work for tunnel closure no. 1, Eligibility condition and technical criteria (1.1) sr. no.- 2A, work experience of similar nature of work for private companies (Larsen and Toubro, Reliance infra, etc.) is considered valid.	Please as per clause no 3.40 of Volume I "General conditions and instruction to tenders".



  
 K.K. SALIM  
 Sr.DGM/Civil  
 K-Rail