

**“Contract for Design, Manufacture, Supply, Installation, Testing And Commissioning of (A). Electrical and Mechanical (E&M) Including Hydraulics, Fire Safety Systems, UPS & DG Sets (B). Environmental Control System (ECS) and Building Management System (BMS) (C). Tunnel Ventilation System (TVS) and TVS - SCADA Works For Underground Stations, Intermediate Vent Shaft And Associated Tunnels Of East – West Corridor Of Ahmedabad Metro Rail Project – Phase I”**

**Clarification to Queries (Set-05, dated 13-07-2018) received subsequent to the Prebid Conference**

**IFB No: MEGA/UG/E&M-01 Dt: 18-04-2018**

S.N.	Part	Section	Clause no.	Page no.	Tender Condition	Tenderer's query	Remarks
1	1	Section III. Evaluation and Qualification Criteria	2.4.2 (b) Specific Experience	Key Activity - A : For TVS System	At least one (01) underground metro station and associated Tunnel (including ramp area if any) of underground metro rail project which includes Design, Manufacture, Supply, Installation, Testing and Commissioning of Tunnel Ventilation System and SCADA system including Tunnel Ventilation fans, Dampers, PLC, MCC, associates cabling, compressors & associated piping works etc.	In line with Mumbai Metro and Kolkata Metro tenders, we request you to also accept Tunnel Ventilation System completed in last 10 years in any of the following works:- (!) one work of 4 KM tunnel for MRT/Railways/Highways and above or (!!) Two (2) works of 2.5 KM tunnel for MRT/Railways/Highways each and above or (!!!) Three (3) works of 1.5 KM tunnel for MRT/Railways/Highways each and above	No Change. Tender condition prevails.
2	2	As per Executive Summary Report, SN 3 to Addendum - 1, Dated: 19-06-2018  Table-2 Summary of TVS configuration as per prefinal design report	-	-	As per Table 2: Summary configuration as per prefinal design report, it has been observed that there are 8 TVS fans in one station	We understand that 8# TVS fan are considered in one station to ensure degrade mode. However, that will impact other factors such as plant room size, panel etc. We propose to have 4# TVS fans in one station that will be able to handle most of the possible modes, as also almost all the Indian metro rail projects are with 4# TVS fans in one station. Kindly confirm.	4# TVS fans per station following the minimum total capacities per station per tunnel as specified in Executive Summary may be permitted subject to it's acceptance by the Engineer during detailed design. Tender conditions prevails.
3	2	As per Executive Summary Report, SN 3 to Addendum - 1, Dated: 19-06-2018	-	-	As per Table-11 Assumption and input data on rolling stock. It has been observed that HRR Empty Car Auxiliary Systems is assumed on conservative side.	It's seems HRR Empty Car Auxiliary Systems value is too low compare to other metro projects. However, as this is rolling stock specific value, communicated by rolling stock manufacturer regarding heat release rate. Kindly confirm the value again, as the low value will have a major impact on equipment sizing.	HRR values considered in the simualtion are specied in the executive summary for reference. Contractor to interface with the rolling stock contractor during detailed design stage, and get them verified. Tender conditions prevails.
4	2	General	-	-	Boarding/ Alighting Data	Boarding/ alighting data is not given in SES & CFD report/addendum-1. Kindly confirm in case you have any PHPTDT DATA communicated or need to consider full load based on similar project.	Kindly refer MEGA website: Revised Ahmedabad-Metro-DPR 20th May-2015 (page no. 4), for such details.
5	2	General	-	-	Normal Mode	It has been observed that during normal mode, TVS fan has been activated to reduce the tunnel load. However, as the outside (ambient) temperature is higher, so TVS fan may not be helpful. Hence, we propose to consider cool air dumping. Kindly confirm in case of any specific requirement.	This may be permitted subject to it's acceptance by the Engineer during detailed design.
6	1	Bid Data Sheets	ITB 24.1	BDS - 14	The deadline for Bid Submission : Date : 18-07-18 Time : 15:00 hrs	We request you to extend the deadline for Bid Submission : Date : 18-09-18 Time : 15:00 hrs	Please refer to Addendum 2 issued dated 04-07-2018 for Bid submission extension.
7	1	-	-	-	JV Consortium Format	We intend to go with JV with foreign party for bidding of this project. Please note that there is no JV/Consortium format given alongwith the tender. Please confirm urgently, whether we can use standard format or you will be issuing the same to enable us to proceed further.	Bidder may use standard JV/Consortium format. Please refer to clause 11.2 (e) given in ITB/BDS Section 1. Tender conditions prevails.