

Pre-bid queries & responses
CMRL/PHASE-II/SYS/ASA12A/2022
27-07-2023

S.no.	Part	Section	Clause	Original bid condition	Bidder's query	Response
1	III	Section VIII	Table 1/Particular conditions of contract (PCC)	Table 1:Summary of key dates	Please provide a fresh update of the key dates	Please refer Table-1 & 2 of Addendum no.01 for revised key dates & access dates
2	II	Section VI B	5.15.8	The Summary Lamp for MSD shall be like the EED. Additionally summary lamp shall be provided on the track side for EED providing high visibility from the track side/ tunnels.	Please clarify if the additional summary lamps are provided on the track side for MSD and not the EED.	Additional summary lamps are provided on the track side for MSD only . Please refer the clause no.5.15.8 which correctly reads as "The Summary Lamp for MSD on platform side shall be like the EED. Additionally summary lamp shall be provided on the track side for MSD providing high visibility from the track side/ tunnels."
3	II	Section VI B	5.17.1	Two Passenger Doorway of the PSD shall be provided with Push button, placed adjacent to the BSD doorway, integrated to PSD façade system.	Please clarify which two BSDs of each platform are nominated to have the long stop push button . Please clarify if the use of the long stop push buttons are related to the two SAPDs (Staff Access Passenger Door) per platform (Clause 5.19).	BSD nomination for long stop push button shall be finalized during detailed design stage. The SAPDs functionality and longstop push button functionality are independent.
4	II	Section VI B	5.17.4	The status of the activation of the long stop request shall be provided to the Signalling system as a soft signal, which the signalling system will use to increase the dwell time of that platform for the next train arrival.	Please briefly explain the intended function of the push button (e.g., does the corresponding PSD need to remain open? Or do all the doorways on the platform open? Or do the PSDs follow the command from SIGNALLING and only send a soft signal to SIGNALLING?).	The Long stop push button shall send a soft command to Signalling and the Door close command will be deferred by signalling for entire platform for a fixed (configurable) time.
5	II	Section VI B	6.12.8	RAI light shall be provided on both end of the platform for the Roving attendant to see the "all door closed and locked" indication through the trains front windshield.	Please clarify the preferred locations of the two RAIs for each platform.	The exact location over PF for RAI light shall be finalized during detailed design stage.
6	II	Section VI B	6.14.6	In exceptional cases, where gap is more due to curvature on the platform etc., suitable entrapment detection system to be installed by the PSD Contractor, to achieve the above requirements; this system, where installed, apart from triggering a conspicuous alarm in the ATS workstation of Signalling system in OCC/BOCC and SCR, shall also prevent the departure of the train from the platform, if entrapment is detected. The detection system design shall incorporate features to minimize false activation/alarm.	Please provide us with the architect layout drawing so we can determine the number of sensors used(for platforms with a curvature as well).	The exact number of sensors (if required) can be worked out during detailed design stage. Please refer track alignment drawings & SOD requirements referred in tender document.
7	II	Section VI B	6.16.1	The contractor shall provide a set of three barricades of adequate width suitable to cover both leaves of a BSD, Both leaves of EED, Fixed panel- One set per station.	We noted that laminated toughened safety glass is specified for this project. In the event of glass breakage, the laminated property will allow the glass to hold its shape. Please clarify that this condition of providing barricades is still preferred with the above consideration in place. We suggest not to use barricade as it is too bulky and heavy to cover 2 leaves of BSD and 2 leaves of EED.	Tender condition holds good

8	I	Section III	2.3.2	<p>Average Annual Turnover Requirement: Minimum average annual turnover of INR 186.15 crores calculated as total certified payments received for Contracts in progress and/or completed, within the last FIVE(5) years divided by FIVE(5)years.</p> <p>The financial year as applicable in the country of origin of the bidders would be considered. The "last financial year" will be the latest financial year that ended before the date of issue of NIT for this tender.</p>	<p>Amendment required: Average Annual Turnover Requirement: Minimum average annual turnover of INR 100 crores calculated as total certified payments received for Contracts in progress and/or completed, within the last FIVE(5) years divided by FIVE(5)years.</p> <p>The financial year as applicable in the country of origin of the bidders would be considered. The "last financial year" will be the latest financial year that ended before the date of issue of NIT for this tender.</p>	Tender condition holds good
9	I	Section III	2.4.2(a)	<p>Specific Experience Requirement: Experience in Platform Screen Doors contracts in the role of Single entity without any specialist sub-contractor OR as a Specialist Sub-Contractor(iv) OR as a Member of the JV/Consortium(iv) without Specialist Sub-contractor and must have substantially(iii) completed between 1st January 2013 and the bid submission deadline, A minimum number of; 1. One work involving Construction of Platform Screen door system in Metrorail /Monorail/ People Mover/ Railway project/ Light Rail; of Value INR. 163 crores (ii) or above. Or 2. Two works involving Construction of Platform Screen door system in Metrorail /Monorail/ People Mover/ Railway project/ Light Rail; each of Value INR 102 crores(ii) or above. Or 3. Three works involving Construction of Platform Screen door system in Metrorail /Monorail/ People Mover/ Railway project/ Light Rail; each of Value INR 82 crores(ii) or above</p>	<p>Amendment required: Specific Experience Requirement: Experience in Platform Screen Doors contracts in the role of Single entity without any specialist sub-contractor OR as a Specialist Sub-Contractor(iv) OR as a Member of the JV/Consortium(iv) without Specialist Sub-contractor and must have substantially(iii) completed between 1st January 2013 and the bid submission deadline, A minimum number of; 1. One work involving Construction of Platform Screen door system in Metrorail /Monorail/ People Mover/ Railway project/ Light Rail; of Value INR. 80 crores (ii) or above. Or 2. Two works involving Construction of Platform Screen door system in Metrorail /Monorail/ People Mover/ Railway project/ Light Rail; each of Value INR 50crores(ii) or above. Or 3. Three works involving Construction of Platform Screen door system in Metrorail /Monorail/ People Mover/ Railway project/ Light Rail; each of Value INR 40 crores(ii) or above</p>	Tender condition holds good
10	I	Section III	EQC, Para 2.4.2 (a) , (b), (c) Specific Experience	<p>Experience in Platform Screen Doors contracts in the role of Single entity without any specialist sub-contractor OR as a Specialist Sub-Contractor(iv) OR as a Member of the JV/Consortium(iv) without Specialist Sub-contractor and must have substantially(iii) completed between 1st January 2013 and the bid submission deadline, A minimum number of; 1. One work involving Construction of Platform Screen door system in Metrorail /Monorail/ People Mover/ Railway Project/ Light Rail; of Value INR. 163 crores (ii) or above. Or 2. Two works involving Construction of Platform Screen door system in Metrorail /Monorail/ People Mover/ Railway project/ Light Rail; each of Value INR 102 crores(ii) or above. Or 3. Three works involving Construction of Platform Screen door system in Metrorail /Monorail/ People Mover/ Railway project/ Light Rail; each of Value INR 82 crores(ii) or above.</p>	<p>BEL has indigenously developed SIL-2 certified Platform Screen Door. Implementation at one station has been completed. Being a new Indigenous entrant in the PSD domain, the required experience of meeting number of works as specified in Specific Experience Para 2.4.2 (a,b,c) can't be fulfilled . It is requested to consider waiving off this clause for Indigenous SIL2 certified PSD developers for promoting Make In India initiative under Aatma Nirbhar Bharat Abhiyan.</p>	Tender condition holds good

11	II	Section VI B	2.2.14 Overview	Signalling system will be CBTC based moving block system with GoA 4-UTO	What will be support extended for Signalling interface?	Please refer Part-2 Section VI-B Appendix-2P2 for detailed information in this regard
12	II	Section VI B	4.6.8 Safety Requirements	The DCU system, Open/Close commands shall comply to SIL 3. The All doors closed, and locked signal and Interlock override signals and its associated hardware as a whole shall comply to SIL 4. The Vital Signalling Interface shall be SIL 4.	Its not clear what is the Safety integrity Level of PSD system. Kindly confirm if the PSD system shall achieve a Safety Integrity Level (SIL) of 2 as is prevalent in contemporary metros.	Please refer Part-2 Section VI-B clause no.6.4.3.3 & 6.4.3.4 & Appendix-2T (RAMS requirements) in this regard
13	II	Section VI B	6.4.3.3 System Safety Design Requirements	Contractor shall submit report that the safety of Door Control Unit meets SIL 3.	Overall PSD Safety integrity level of 2 can be realized by having a Door Control Unit of SIL2. However , if the Door Control Unit Safety level is increased to SIL3 then the per unit cost of PSD will increase. It is submitted to review the Safety requirement of DCU. If the overall Safety requirement of PSD functions is met by having DCU as SIL2 then it may be kindly be updated.	Tender condition holds good
14	General				Last date and Time of submission / uploading of BID : Requesting to extend the tender opening date against above refer Tender by 6weeks (i.e., 03.10.2023)	Tender condition holds good
15	General				Requesting to organise 2nd Pre- Bid meeting after 01 Month from the date of issuance of clarifications against 1st pre -1bid Meeting 1.Pre-Bid Meeting : 11:00 Hrs: 05 July 2023 by Video conferencing Amendment requesting : 2nd Pre Bid Meeting : 11:00 Hrs : 14 August 2023 by video conferencing	Tender condition holds good
16	General				Bid Security amount requesting to modify the Bid Security Amount (EMD) as INR 1 Cr	Tender condition holds good