

Corrigendum-II

Sub: “Design, Supply, Installation, Wiring, Testing & Commissioning of Tunnel Radiocommunication system (VHF Simplex) for Tunnels falling under sections of Kasara-IgatpuriPanvel-Karjat and Karjat-Lonavala of Mumbai Division, Central Railway as per RDSO specification RDSO/SPN/TC/109/2019 with latest Amendments/Revision ”

Ref: RailTel/WR/E-Tender/OT/2021-22/Tunnel Communication/R2 Dtd 09.12.2021, Scheduled date of opening : 12.01.2022

In reference to above tender, following revisions are made in the Tender Document.

Sr. No.	Page No.	Clause No.	Existing Provision		Revised Provision	
			Eligibility Criteria Requirements	Supporting Document Required	Eligibility Criteria Requirements	Supporting Document Required
1	20	5.4.2 (2)	<p>The Equipment/Software offered by the OEM should have been satisfactorily working in Government / PSUs / Telecom Service Providers/ Public Listed Company for at least 12 months as on date of opening of tender, in India or Abroad.</p> <p>Work experience certificate issued by Public listed company having average annual turnover of Rs 500 Cr and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange or any Global Stock Exchange, incorporated/registered at least 5 years prior to the date of opening of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates</p>	Satisfactory Working certificate from end user clearly mentioning the make & model number (version in case of Software) of the offered Hardware & Software.	<p>The Equipment offered by the OEM or equipment/software of the same series/family from the same OEM should have been satisfactorily working in Government / PSUs / Telecom Service Providers/ Public Listed Company for at least 12 months as on date of opening of tender, in India or Abroad.</p> <p>Work experience certificate issued by Public listed company having average annual turnover of Rs 500 Cr and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange or any Global Stock Exchange, incorporated/registered at least 5 years prior to the date of opening of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates.</p>	<p>Satisfactory Working certificate from end user clearly mentioning the make & model number (version in case of Software) of the offered Hardware & Software.</p> <p>An undertaking by the OEM has to be submitted in support in case of immediate predecessor of same series/family.</p>

Sr. No.	Page No.	Clause No.	Existing Provision		Revised Provision	
			Eligibility Criteria Requirements	Supporting Document Required	Eligibility Criteria Requirements	Supporting Document Required
2	21	5.4.2 (3)	<p>OEM should have supplied the equipment/software being offered at least of the value 35% of main SOR Items No. 1, 2, 4 and 5 during last preceding 3 financial years (i.e. current year and three previous financial years) as on opening date of bid to Government/PSUs/Telecom Service Providers/Public Listed Company in India or Abroad.</p> <p>Work experience certificate issued by Public listed company having average annual turnover of Rs 500 Cr and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange or any Global Stock Exchange, incorporated/registered at least 5 years prior to the date of opening of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates.</p> <p>Note: For Startups*(recognized by Department of Industrial policy and promotion, Ministry of Commerce and Industry) only 1/3 of value as mentioned above is required.</p>	<p>OEM should submit self-certificate with proper contact detail of clients along with PO reference and amount supplied (Details of End User - Firm Name, Contact person, Designation, Telephone Number, Fax, Official mail id etc.). The same should be issued by authorized signatory.</p> <p>Supply Confirmation Certificate from the End User clearly mentioning the Date of supply and make & model of Hardware/Software.</p>	No change in existing provision	<p>OEM should submit self-certificate with proper contact detail of clients along with PO reference and amount supplied (Details of Purchaser Organization - Firm Name, Contact person, Designation, Telephone Number, Fax, Official mail id etc.). The self-certificate by OEM shall mention that the supplied equipments/software are of same series/family or its immediate predecessor.</p> <p>RailTel reserves the right to verify PO reference and amount supplied from Purchaser Organization. PO's issued in the name of System Integrator are also acceptable</p>

Sr. No.	Page No.	Clause No.	Existing Provision	Revised Provision
3	92	5.1	Sub-Clause 5.1. (i) added	After deployment of the new system, existing VHF sets (base as well as hand held receivers) shall work seamlessly
4	128	7.7	Sub-Clause 7.7.3 added	Laying of cable inside the Tunnel shall be done as per plan approved by Central railway authorities and all precautions shall be undertaken to ensure that there is no infringement of Schedule of Dimensions (SOD).
5	209	SOR S. No. 1	OPTICAL TRANSCEIVER MASTER UNIT, RF BANDWIDTH 130-170 MHz, 1 to 6 (Build in 2 laser module + WDM)	OPTICAL TRANSCEIVER MASTER UNIT, RF BANDWIDTH 146-163 MHz, 1 to 6 (Build in 2 laser module + WDM)
6	212		Note No. (iii) added below SOR	In case of any discrepancy between description in Tender Document and RDSO specification, the RDSO specification shall prevail

There is no change in other provisions of Tender Document.

A statement showing Pre-Bid Queries and RailTel's response is attached as Annexure-1

This is issued with the approval of Competent Authority.

AGM/P/WR
For & on behalf of RailTel Corporation of India Ltd.

BIDDERS QUERIES AND CLARIFICATIONS

Annexure-1

Ref: E-Tender Notice No. RailTel/WR/E-Tender/OT/2021-22/Tunnel Communication/R2 dtd 09.12.2021

Pre-Bid Meeting Held on 17.12.2021

Name of Work : Design, Supply, Installation wiring, Testing & Commissioning of Tunnel Radio Communication sytem (VHF simplex) for Tunnels falling under section of Kasara - Igatpuri, Panvel - Karjat and Karjat - Lonavala of Mumbai Division Central Railway as per RDSO Specification

S.No.	Query	Railtel's Response
1	The complete survey of all the sections is time consuming and expensive due to varied terrain, difficult approach and limited infrastructure available at site. Hence it is requested to share the location of stations with respect to tunnels for planning of Master Unit Installation and Logistics.	Please refer "Annexure - I" for required chainage details as has been shared by Central Railway. The Bidder is advised to quote as per the SOR provided in the tender.
2	The time allotted for completion of work is not sufficient owing to difficult approach and running operational status of railway Lines. The same may be extended to at least 18 months instead of 9 months mentioned.	There is stringent time line from the Railway Board. Further, please refer to Clause No. 4.2 of Instructions to tenderer that "the contractor shall deploy multiple teams to complete the work in stipulated Completion Period". No changes in Tender Condition.
3	The VHF simplex telecommunication of Indian Railways is very old technique, used since the invention of two-way communication using mobile and hand held radios. This RF communication is based on line of sight (LOS), the same is cut off totally inside railway tunnels and due to this the radios cannot communicate inside tunnels. The VHF tunnel radio system can help to overcome this issue. This was proven up to the level of full satisfaction by the pilot project implemented in T-49 tunnel of Central Railways and accordingly RDSO has drawn technical specification for such system. With our experience, would like to state that simply complying technical specification of the equipment and component, cannot make the system functional as per the operational requirement of Indian Railway. It requires some technical knowhow on integration, tuning, calibration and physical orientation and placement to achieve such results. The clause 5.2.4 s.no.1 & 3 along with other clauses are restrictive in nature and have brought VHF Simplex TRS implementation to a dead end and also discouraging the indigenous product development, which is being carried out by some Indian firms at different stages. Also the VHF simplex system supplied in other countries may not be meeting operational requirements of Indian railways. Hence the supply of such equipment abroad does not prove capability of fulfilling Indian Railway requirements. Rather than going by such said clauses, it is suggested to ask the successful bidder to demonstrate a prototype system as per Railways requirement or show a successfully commissioned working system in India before issuing the final LOI for the complete project. Please make this mandatory. With our above suggestions, we request you to delete the clause 5.2.4 s.no.3 and include pre demonstration mandatory to get a result oriented successful implementation.	A. Tender condition is about proven and tested equipment are required to be deployed for this work. Further equipments are required to be supplied by successful bidder shall be inspected by RDSO/Consignee before it would get dispatched for execution. B. Tender Clause No. 5.2.4 has been modified.
4	Kindly guide us where can we find prescribed application form for registration and procedure for the same. Do we need to give the certificate mentioned in 1.1 along with tender bid or after allocation of LOA.	It is clarified during Pre-Bid Meeting that only registration required is at IREPS Portal for participating in this Tender.
5	It is convey during the meeting that working block would be approved by Central Railway. In case of last minute cancellation an additional/extended completion time line shall be factored during the execution of work	All out efforts would be made in liasion with concerned authorities for required blocks. No changes in Tender Condition.

S.No.	Query	Railtel's Response
6	In regards to clause no, 5.2.4 Eligibility criteria requirements for OEM's Sr.3: The time line for supply by OEM's shall be considered for 7 to 10 years or else Bankruptcy can be incorporated	This condition is for financial health of OEM for recent years. No changes in Tender Condition.
7	During the discussion, it is brought out that survey is an important activity to be undertaken by the contractor hence an additional line time with defined costing shall be made as part of SOR	No changes in Tender Condition.
8	Where every any Affidavit is to be submitted by the bidder, what is the cost of stamp paper on which required declaration would be submitted with the bid offer?	It is hereby clarified that wherever there is no mention of stamp value, required details shall be submitted on Rs. 100 non-judicial stamp paper.
9	During the survey, it is observed that in some Tunnel there is Less/no space to lay the Leaky cable. This aspect need to be examine.	It has been incorporated in Clause No. 7.7.3 of Special Conditions of Contract (Part B) as "Laying of cable inside the Tunnel shall be done as per plan approved by Central railway authorities and all precautions shall be undertaken to ensure that there is no infringement of Schedule of Dimensions (SOD)."
10	As per SOR item no. 1, the RF bandwidth has been mentioned as 132-170 MHz whereas RDSO specification range is 146-163 MHz, this needs to be clarified.	It has been corrected by considering RDSO specification in SOR item no 1 as "Bandwidth 146-163 MHz from 130-170 MHz". Further Note No. (iii) has been added below SOR as "in case of any discrepancy between description in Tender Document and RDSO specification, the RDSO specification shall prevail".
11	SOR item no 2 may also be combined with master unit.	No changes in Tender Condition.
12	Interoperability condition shall be incorporated in the Tender document so that existing VHF sets shall be having seamless communication after execution of this work.	It has been added as Clause No 5.1 (i) of Special Conditions of Contract (Part B) as "After deployment of the new system, existing VHF sets (base as well as hand held receivers) shall work seamlessly."
13	In the recently discharged tender RailTel/WR/E-Tender/OT/2021-22/Tunnel Communication/R issued on 17.11.202, the Clause 5.2.4 (2) says satisfactory working of schedule (1, 2, and 4) equipments of same series/family would be accepted along with OEM undertaking. Whereas in subject tender (RailTel/WR/E-Tender/OT/2021- 22/Tunnel/CommunicationR2 issued on 10.12.2021), clause 5.2.4 (2) "acceptance of satisfactory working of same series/family" words are removed. Please confirm that satisfactory working of schedule (1, 2, and 4) products of same series/family would be accepted along with OEM undertaking, in this tender also.since offered schedule (1, 2 and 4) equipment are being freshly developed by OEMs as per RDSO specification RDSO/SPN/TC/109/2019, hence it is suggested that OEMs as per sample as per RDSO specification to be evaluated and passed by RDSO before supply. And only OEMs whose samples are passed by RDSO, should to technically qualified in the bid'	The tender Clause No. 5.2.4 (Sr No. 2) has been modified.
14	In this tender, below new clause 5.2.4.(3) pertaining to OEM previous supply of 35% of SOR value is added. For which we submit as follows, for change / amendment -In-addition to OEM self-certificate, supply confirmation certificate from End user is asked. These are very difficult to get from customers, due to statutory privacy laws and NDA aspects. -Request you to remove the requirement of end-user supply confirmation certificate, as contact information is already in the self-certificate -Credentials of supply of same series / family of equipment should be accepted in this tender also, like other Railtel tenders standard clauses. (snapshot of recently floated CCTV tender for ready reference) -Maven Wireless sweden is listed on Nasdaq First North Sweden exchange. So we request that its self-attested press releases regarding customer supply credentials should be acceptable.	The tender Clause No. 5.2.4 (Sr No. 3) has been modified.