

Dedicated Freight Corridor Corporation of India Limited
 (A Government of India Enterprise)

DESIGN AND CONSTRUCTION OF SIGNAL AND TELECOM WORKS FOR DOUBLE LINE RAILWAY INVOLVING TRAIN DETECTION SYSTEM, TRAIN PROTECTION & WARNING SYSTEM, ELECTRONIC INTERLOCKING IN STATIONS, AUTOMATIC SIGNALLING IN BLOCK SECTIONS, INTERLOCKING OF LEVEL CROSSING GATES, DISPATCH TELEPHONE SYSTEM, FIBER OPTIC COMMUNICATION SYSTEM, GSM(R) SYSTEM, DIGITAL ELECTRONIC EXCHANGE SYSTEM, MASTER CLOCK SYSTEM AND VIDEO SURVEILLANCE SYSTEM FOR REWARI – MAKARPURA SECTION AND TRAIN MONITORING AND DIAGNOSTIC SYSTEM FOR DADRI – JNPT SECTION INCLUDING TESTING AND COMMISSIONING ON DESIGN-BUILD LUMP SUM PRICE BASIS OF WESTERN DEDICATED FREIGHTCORRIDOR

SIGNALLING AND TELECOMMUNICATION WORKS CONTRACT
 (Rewari – Makarpura of Phase 1 and part of Phase 2)

CONTRACT PACKAGE ST P-5

Queries from Bidders

Sl. No.	Vol. No.	Section No.	Page No.	Clause No.	Title	Questions	DFCCIL's Response
644.	1 P(1/2)	4	137 of 191	4.1 – 4.6	STEP Component	As per the tender conditions, items amounting to 49.56% of the total contract price (excluding taxes & duties) are required to be procured from Japan. It has also been clarified that the STEP ratio needs to be calculated based on CIF value of the imported items. In this regard, we wish to bring to your notice that based on our current assessment, even after considering all the items listed under the STEP category in the tender document, the STEP ratio is falling short of the mandated 49.56%. In this scenario, the bidders have to consider sourcing additional items from Japan in order to	1) IRS/ RDSO Specs can be purchased from RDSO. 2) Specs of Signalling items proposed to be supplied under STEP shall be critically examined as per relevant Cross Acceptance policy against Tender Specs taken as bench mark so that no adverse safety or performance implications are found. 3) Additional items to be purchased as STEP components are to be proposed by the Bidder as per Cl. 4.5 of Section 4 (Page 137) of Vol. I

Sl. No.	Vol. No.	Section No.	Page No.	Clause No.	Title	Questions	DFCCIL's Response
						<p>meet the required STEP ratio. Consequently, in order to meet the STEP criteria, we have been trying to obtain quotations from Japanese manufacturers for additional items such as cables, point machines, LEDs, etc. In this regard, we would like to apprise you of the following developments:</p> <p>1. Japanese vendors have informed us that they are not aware of the IRS / RDSO specs. Hence, they are not in a position to provide us quotation based on these specs. Their quotations are based on Japanese standards.</p> <p>2. Furthermore, they find the cross acceptance criteria to be cumbersome, stringent and very lengthy. Hence, they are not willing to support us for this project.</p> <p>3. Owing to point no. 1 and 2 above, the Japanese vendors are either not providing quotes or are providing uncompetitive prices.</p> <p>Due to the above scenario,</p> <p>1) It is becoming very difficult for us to identify the additional items with the help of which we can meet the required STEP conditions.</p> <p>2) Such complexities may lead to speculation with different bidders adopting different</p>	<p>(Part ½) of Bid documents.</p> <p>4) There is no restriction on inclusion of Telecom items for supply as additional STEP items. However, these shall comply with the Employer's Requirements as mentioned in Vol. II & Vol. III Part 2 of Bid documents. Telecom items do not require approval under Cross Acceptance.</p> <p>5) Whether an item of Signalling equipment shall require Cross Acceptance or not, shall be clarified on item by item basis. Items mentioned in the Query shall be dealt with as under:</p> <p>a) LED signals & Point machines shall require DFCCIL's Cross Acceptance approval.</p> <p>b) Signalling cables, if procured as a STEP component shall be accepted if proven as per Cl. 9.5(3) of Vol. III Part 1 and still in</p>

Sl. No.	Vol. No.	Section No.	Page No.	Clause No.	Title	Questions	DFCCIL's Response
						<p>strategies to ascertain STEP ratio. It may be appreciated that with additional Japanese components considered, the bid price becomes higher as the prices of equipment imported from Japan are much higher than the corresponding indigenous products. Any differences in consideration of Japanese components by the bidders shall lead to unequal competition.</p> <p>To resolve the above issue, we request you to make the following changes to the STEP criteria of this tender.</p> <p>1. Please suggest the additional equipments which may be sourced from Japan including the telecom subsystems.</p> <p>2. Please mandate that if signaling equipments such as point machines, signaling cables, etc. are procured under STEP then the vendors will only have to demonstrate 3 years of provenness for their equipment and their compliance to Japanese standards will be acceptable.</p>	<p>use subject to the same broadly meeting RDSO Spec. In addition, type test Cl. 9.6 of Vol. III Part 1 of Bid documents shall be complied. Also refer para 2 above.</p> <p>6) As per provisions in Section 4 of Vol. I (Part ½) of Bid documents, there are three options viz. 3(a), 5 & 6 for the Bidder for procurement of goods that can be regarded and counted as goods from Japanese origin and will thus qualify for STEP components.</p>

Sl. No.	Vol. No.	Section No.	Page No.	Clause No.	Title	Questions	DFCCIL's Response
645.	3 (1/2)	9	3 of 87	1.3.10	Cross acceptance of Signalling Equipment	<p>The STEP Component Suppliers are required to do cross-acceptance of their products by following the RDSO procedure. In view of the critical timelines of the project, we are extremely concerned that the STEP Component suppliers namely Kyosan Electric and Nippon Signal do not have the approval before bid submission which will affect the project deliveries making us liable for penalties. Reportedly the current approval status of the two manufacturers is as under:</p> <p>I. Kyosan Electric:</p> <p>Kyosan Electric has obtained provisional acceptance for supply of 10 Electronic Interlocking (EI) systems for field trial. They are required to demonstrate satisfactory working for 50 equipment months with supply of 10 EI. At present only 2 EI are installed in IR network. Assuming that the WDFC ST P-5 project will be awarded by this year end, it seems unlikely that Kyosan Electric will be able to obtain regular approval in time to manufacture and supply 11 EI systems for the Rewari – Dabla section which is to be commissioned in the first 22</p>	<p>Please refer item No. 504, 506, 507, 511, 512 & 513 of Addm-12 for revised requirements/policy for approvals.</p>

Sl. No.	Vol. No.	Section No.	Page No.	Clause No.	Title	Questions	DFCCIL's Response
						<p>months of the project.</p> <p>II. Nippon Signal:</p> <p>Nippon Signal had already submitted their proposal to RDSO for cross-acceptance more than one year back. Subsequently, RDSO has issued a letter in Nov. 2013 to Nippon Signal stating that it cannot proceed with the cross-acceptance approval due to various reasons. Thus, we do not have a clarity on the way forward for Nippon Signal's approval.</p> <p>Our Suggestion:</p> <p>We request that DFCCIL awards a Project Specific Approval to Nippon Signal and Kyosan Electric. We understand that in July, 2010, Ministry of Railways has issued a letter to DFCCIL to induct new technology and under the mandate of this letter, DFCCIL is empowered to award a Project Specific Approval.</p> <p>We once again highlight that the project deliveries are extremely tight and thus we would want a clear-cut cross-acceptance approval of Nippon Signal and Kyosan Electric for their respective product before bid submission.</p>	

Sl. No.	Vol. No.	Section No.	Page No.	Clause No.	Title	Questions	DFCCIL's Response
652.	III part-1	9	49	9.5	Sources of equipment supply	<p>We refer to item no. 576 of replies to queries part-8 wherein it is mentioned that cross acceptance approval is to be obtained before manufacture and supply.</p> <p>-----</p> <p>Condition of starting manufacturing and supply after cross acceptance would affect the completion period of project and restrict the competition among Japanese suppliers willing to offer their product for this project.</p> <p>In order to avoid delay in project schedule, we request you to kindly make the requirement of completing cross acceptance procedure before commissioning.</p>	<p>In view of DFCCIL's Cross Acceptance policy and other related Addendum items as referred in response to Query No. 645, it is considered possible to have necessary approvals and meet project timelines.</p>
657.	Vol-III, Part - 1	9	51 of 87	9.5 (ii)	Sources of equipment supply	<p>In order to meet the STEP criteria, we have been trying to obtain quotations from Japanese manufacturers for additional items such as cables, point machines, LEDs, etc. In this regard, we would like to apprise you of the fact that the Japanese Cable manufacturers are not complying to IRS/RDSO standards as they manufacture cables based on Japanese standards. They are taking some deviations in the RDSO standards. Please find enclosed the annexures (1&2) detailing the comparison of specifications of Japanese vendors with RDSO specifications for your reference.</p>	<p>Refer response to query No. 644.</p>

Sl. No.	Vol. No.	Section No.	Page No.	Clause No.	Title	Questions	DFCCIL's Response
						In this regard, we request DFCCIL to give us a confirmation that the cable sourced from Japan in order to meet STEP criteria shall be acceptable to DFCCIL if they comply to Japanese standards with relevant user acceptance / proneness certificate and need not be cross accepted by RDSO.	
663.	Vol.III (1/2)	9	38	6.3.1.1 (5)	Direct Mode Comm for Mobile Terminals	Please confirm that all these three (3) clauses shall be replaced with "Not Used", referring to S. No. 441 and 444 of Addendum 9.	It is confirmed that clauses 6.3.1.1(5), 6.3.9.6.2(l) and 6.3.9.10(b) are replaced with "Not used." Refer to item 499, 500 and 501 of Addendum 12.
	Vol.III (2/2)	9	43	6.3.9.6.2 (l)	Direct Mode Comm for Mobile Terminals		
	Vol.III (2/2)	9	45	6.3.9.10 (b)	Direct Mode Comm for Mobile Terminals		
664.	Vol. V	11	V-4-2-10		Building Plan - Integrated Maintenance Depot (IMD)	<p>The drawing indicates "OFC Equipment & Telephone Exchange Room"</p> <p>Please confirm that the drawing is only reference and a dedicated EPABX will not be required in IMD according to Telephone / EPABX schedule in Appendix 1 of Vol. III Part (2/2) and EPABX block diagram V-7-1-10.</p>	Vol. V contains "Reference Drawings." Dedicated EPABX in IMD is not required per Employer's Requirements Vol. III Part 2.