

Corrigendum-I

Sub: **“Supply, Installation, Testing & Commissioning of STM-4/16 Equipment for the OFC based Communication System of RailTel/Railway”**

- Ref: (i) Open tender notice no. RailTel/Tender/OT/CO/Project/2017-18/SDH/396, dated 03.11.2017 and Addendum on dated 03-11-2017.
(ii) Pre-Bid Conference held on 10.11.2017

In reference to the above-mentioned open tender, pre-bid conference was held on 10.11.2017. Based on the queries submitted/raised by prospective bidders and discussions held during pre-bid conference, following amendments to the tender conditions are being issued (Amended Clauses/amendments only are being published with the rest of the document remaining as it is):

1. Tender Document uploaded as Addendum-1 on TCIL website on 03-11-2017 may be considered as **Final Tender Document**.

2. **SOR A1 (b) of CHAPTER 2 may be read as:**

“Supply of managed expandable 19"Rack mountable -48V DC working add/drop STM-16 SDH equipment complete with redundant power supply, Cross connect module (20 G) with 2 Nos. of STM-16 of aggregate L16.2 Optical interface modules/cards one each for east and west side TX/RX complete with 10 m long optical patch cords and SFPs, 2 Nos. of STM-4 S4.1 optical interface modules complete with 10 m long optical patch cards and SFPs, 2 Nos. of STM-1 S 1.1 optical interface module complete with 10 m long optical patch cards and SFPs, 63 E-1 card, one no. of L16.2 SFP, 02 no.ofS1.1 SFP, Ethernet Fabric card with L2 2xGigE+4X FE along with 02 no. of 1 GiG Lx (approx. 10 Km) SFP, Order wire , Filter unit, fan unit, Subrack DDF Installation Material, manuals and other accessories complete Engineering order wire (EOW). Necessary Connecting cords and cable for power supply modules with Basic and Enhanced installation kit. All the requisite software/Licenses are required to be included.”

3. **Clause 1.2 of Chapter-3 (A) may be read as:**

“The scope of work would be Supply, Installation, Testing & Commissioning of STM-4/16 Equipment at various location/sections/PoPs of Indian Railways as mentioned in Chapter-7, Annexure-I including integration with the existing network. The scope of work shall include, but not be limited to the following: Project Management, Supply of all related goods and providing all related services including

custom clearance if required, transportation, installation, testing, commissioning of the telecom system and training of RailTel/Railway personnel.”

4. Clause 3.2.7 of of Chapter-3 (C) may be read as:

“The proposed NMS server Hardware should cater to the management of number of network elements as specified in clause 3.1.1(i, ii & iii) above including DCN from the beginning itself. The response time to alarms should be less than 300 msec. The cost should include necessary hardware and software for this purpose. UPS for NMS will be provided by Tenderer as per SOR item A(3).”

5. Clause 3.3 of Chapter-3 (C) may be read as:

RailTel will arrange/ supply commercial grade laptops to be used as LCTs with the system. The tenderer needs to supply license software, required if any, for making them usable as LCTs along with the standard interface cable as part of SOR item no. A(4). Any specific interface requirement or any particular technical specification of the laptops if called for by the Tenderer, to be used as LCTs, may stand brought out. The Tenderer has to provide LCT software along with the LCT interface cable upto 1/4th of the quantities (rounded off to nearest whole number) of SOR items A1(a), A1(b), A1(c) & A(2) free of cost.

It shall be possible to use the local craft terminal both locally and remotely. The network element management interface shall be standardized Q3, SNMP or any other open interface and must not require any additional hardware, software. Management level shall include configuration, alarm and performance management of network element and interfaces.

Remote software download (directly through the network) is required for easy upgradability without the need to physically visit the NMS or hand carrying data (CD / VD etc.) i.e. support for software download should be available, software should be upgraded to the node plug-in units by loading it from any point in the network.

Remote software downloading from NMS/EMS should not affect the live traffic.

6. Heading of Chapter-3 (E) may be read as:

“Inspection, Installation, Testing & Commissioning”

7. Clause 5.7.1 of Chapter-4 (A) may be read as:

“90% payment of SOR item towards "Installation, Testing & Commissioning per site shall be made by Executive Director of the Region on successful Installation,

testing & commissioning, 5% on issue of PAC and final 5% on issue of Final Acceptance Certificate.”

8. Clause 44.8 of Chapter-4 (B) may be read as:

Submission of Eligibility Criteria related documents

Eligibility criteria related documents viz. TSEC certificate, NSIC certificate and other documents as applicable shall also be scanned and submitted ONLINE. Copy of these documents shall also be submitted in RailTel before Tender opening date & time. Bids without these off line submissions are liable to be rejected.

9. Pre-Bid Queries and Clarifications are attached as Annexure-1.

All other terms & conditions of tender document remain same.

This issues with the approval of Competent Authority.

(Prashant Yadav)
Sr. Manager/Project
For & on behalf of RailTel Corporation of India Ltd.

DA: Annexure-1

Pre Bid Queries Dt. 10.11.2017					
Open E-Tender No. RailTel/Tender/OT/CO/Project/2017-18/SDH/396, dated 03-11-2016					
Sl. No.	Tender Clause No. / Chapter	Vendor	Tender Clause	Query /Clarification sought for	RailTel Remarks
1	Clause B1 / Chapter-2	M/s Tejas	Installation ,Testing and commissioning of STM-4/16 SDH Equipment as Supplied against item A1(a), A1(b), A1(c) and A2 Above	1)In Previous Railtel Tenders only Supervision of Installation was the scope of Services.In this tender Installation and commissioning is being provided in Scope of Services. Please clarify is it only Installation or Supervision of installation. 2)Readiness of site to take up the I&C will be updated by Railtel.Please clarify.	(i) Tender Clause is Clear. (ii) Site Rediness update will be provided by RailTel.
2	Clause 4.3.3 Chapter-3D	M/s Tejas	Training of Personnel over and above the on-site training during the installation ,maintenance and supervision period as detailed in the tender document.	On-site training refers to Railtel customer location training. Please clarify.	Clause 6.1 of Chapter-3F may be Read.
3	Clause 4.3.3 Chapter-3D	M/s Tejas	The -48V DC /230V AC Supply shall be extended to equipment racj using 25 sqmm(min)stranded PVC insulated copper cable as per IRS/TEC Specs.Tenderer shall work out the power consumption of the equipment at each location and furnish the details in the bid.Average requirement of DC Power /Earthing cable shall be approximately 50 m per site for each colour to be supplied by tenderer.Alarm cable of minimum 20m length should also be supplied with each equipment to extend external/power supply alarms from charger to the equipment for monitoring the alarms from NMS	1) If Our proposed equipment requires only 16sqmm cable.Pcan we supply 16 sqmm cable same instead of 25sqmm cable. Please clarify. 2) If each colour of DC power cable shall be approximately 50m per site,then should we supply 200m cables(Main Power supply-50+50 ,Redudant power supply-50+50).please clarify. 3)The length of power cable varies from site to site. Based on site requirement the length can be considered. if any length used in site is less than the length mentioned in tender supplier is not liable to give Railtel back the balance length of the cable. Kindly confirm	(i) Tender Clause is Clear. (ii) Tender Clause is Clear. (iii) Tender Clause is Clear.
4	Annexure-II	M/s Tejas	Dedicated NOC Support	4 Engineers requirement is mentioned in Clause-6 of Dedicated NOC support.Requirement of NOC engineers is not covered in Schedule of services. Please clarify.	Tender Clause is Clear.
5	Clause 5.3 / Chapter 4 (A)	M/s Tejas	(15% + 5 %) payment of value of supply items of the Sub PO/PO which could not be installed for want of site readiness or I&C not required (as per PO)as per the decision of Executive Director of the region , will be made on issue of first PAC of any section/PoP and remaining 5% on issue of FAC.	If the material could not be installed for the reason of site non readiness or I&C not required. Contractor will claim (15%+5%) payment after completing 180 days from the date of delivery at RCIL. Contractor may not require any PAC from the concerned region in this case. Claim for balance 5% payment can be made after completing (180 days + 1 year) from the date of delivery at RCIL. Contractor may not require any FAC from the concerned region in that case.	Tender Clause is Clear
6	Chapter 4	M/s Tejas	Payment Terms	The SOR mentions "Supply and Installation" as a line item whereas the Tender body at various places keeps the Bidder's scope to "Supervision of Installation and Commissioning" Please Clarify.	Installation, Testing, Commissioning will be done by the Tenderer.
7	Chapter-2 SCHEDULE OF REQUIREMENT	M/s Fibcom	All Supply (A)	Spares are neither asked in Tender document, not mentioned in SOR. Please confirm that no Spares are required for all the configurations.	Tender Clause is Clear.
8	Chapter-2 SCHEDULE OF REQUIREMENT	M/s Fibcom		Rack for mounting the SDH equipment is not called into SOR. We understand that Railtel will be Providing the Rack for mounting the equipments along with Power source.	Rack space for mounting will be provided by the RailTel.
9	Clause A(3) / Section-I (Chapter-2).	M/s Fibcom		The NMS Qty shown is 7 (HW/SW) and te total network size is 164 NEs. Pl clarify if NMS clients to the existing NMS is to be quoted or pl clarify the exact quantity of NMS Servers and Clients separately. If new NMS server is required, we understand that Two NMS servers in (1+1) configuration along with required number of clients (say 7) may be considered. Kindly clarify.	Tender Clause is Clear.

10	Clause A(4) / Section-I (Chapter-2).	M/s Fibcom	Any other item, as may be required for commissioning of Network, including those for DCN Planning and Synchronization	Since clock etc. are to be deployed based on standards / network configuration quote for per unit item can be given and qty may be decided based on actual network requirement. In-case of specific type of clock (GPS etc.) required to be quoted, kindly specify & clarify. We understand that the end to end data connectivity for DCN will be provided by Railtel and the components to be considered by the bidder are Switch /Router to be used for interfacing the NMS server to be deployed at NOC.	Clock will be provided by RailTel. Tenderer to consider the interfacing required for NMS server at NOC.
11	SOR / Chapter-2	M/s Fibcom	SOR / Chapter-2	As per the SOR, total numbers of NE's are 164. And I&C is called for 121 Equipments only. Kindly confirm the same.	SOR Demand is Clear.
12	Clause No. 3.2.7 / Chapter-3 (C)	M/s Fibcom	The proposed NMS server Hardware should cater to the management of number of network elements as specified in clause 3.1.1(i, ii & iii) above including DCN from the beginning itself. The response time to alarms should be less than 300 msec. The cost should include necessary hardware and software for this purpose. UPS for NMS if required will be provided by RailTel. Tenderer to indicate capacity requirement.	As per the SOR, Supply A3, 1KVA UPS is asked in the SOR with NMS, and as per clause no 3.2.7, UPS for NMS if required will be provided by RailTel. RailTel to confirm that UPS is considered by Bidder or RailTel will provide the same.	Kindly read point 4 of Corrigendum-I for clarification.
13	Clause No. 3.3 / Chapter-3 (C)	M/s Fibcom	RailTel will arrange/ supply commercial grade laptops to be used as LCTs with the system. The tenderer needs to supply license software, required if any, for making them usable as LCTs along with the standard interface cable as part of SOR item no.5.	RailTel will arrange Laptops, and Software with cables will be provided by Bidder. Kindly clarify the Quantity of LCT in SOR, So that LCT Software and its required cables will be provided.	Kindly read point 5 of Corrigendum-I for clarification.