

Fax : 0522-2458500
Phone : 0522-2451206



भारत सरकार-रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
Government of India - Ministry of Railways
Research Designs & Standards Organisation
Lucknow – 226011



No. STT/TMS/Facilitation lounge

Date: 20.05.2019

Quotation Notice

Sub: Work of **Telecom Portion of work in connection with facilitation lounge at Annexe-II** at RDSO Lucknow -226011.

Your sealed Quotation offer for above mentioned work is invited by ADE/TMS/RDSO office for the estimated cost of **Rs 2,12,292.57/-** with completion period of TEN Days. Please submit your quotation offer up to 24.05.2019 till 15:00 Hrs. in the office ADE/TMS/RDSO. Quotation offer will be opened on the same day at 15:30 Hrs in the chamber of ADE/TMS/RDSO. In case, the 24.05.2019 happens to be a holiday the Quotation offers shall be received and opened on the next working day at the same time and place. Schedule of work is attached on which the offer price in percentage above/below/at par in comparison to the estimated rates is to be quoted. Tenderer should be registered with GST, it is requested to submit GSTIN number along with the offer, failing which will be resulted in cancellation of offer.

ADE/TMS
RDSO/LKO

Schedule of Work

Part A- Network portion work							
SN	Description of Items	Unit	Qty.	Rate in Rs (in figures)	Rate in Rs. (in words)	Amount in Rs. (in figures)	Amount in Rs. (in Words)
1	Supply and installation of HD DTH connection with Annual subscription	Nos.	1				
2	Supply and Installation of Glass Top 8 mm size of (9" x 12")	Nos.	1				
3	Supply and Installation of Dual Band Access Point with Gigabit POE Injector Note:- Access Point should manage with existing UTM	Nos	1				
4	Supply & Installation of L2 Switch PoE 8 Ethernet 10/100/1000 port with 2 combo 10/100/1000 Base T/ SFP Port equipped with 2 SM Fiber LX Module as per technical Specification	Mtr.	1				
5	Cutting of wall & Fixing of conduit pipe on the wall with band and 4 way distribution box & plastering of wall to its original condition	Nos	58				
6	Laying of CAT-6 Cable/, 10 & 5 Pair PVC Cable inside PVC conduit pipe PVC channel and through wire manager of work stations.	Mtr.	230				
7	Fixing and Termination of information outlet with single port face plate fitted inside box on the wall or any other structure with screw	Mtr.	2				
8	Supply of CAT-6 UTP Cable (305 m/Box)	Nos	305				
Part B Provision of Sound System							
9	Supply Ceiling Mount Speaker (30 Watt) as per technical specification Make Bose, Bosch ,RCF.	Nos.	4				
10	Supply of Mixer Amplifier 180 Watt with 4 microphones as per technical specification. Make Bose, Bosch, RCF	Nos.	1				
11	Supply of speaker cable as per technical specification	Mtr	100				
12	Provision of suitable stand for keeping amplifier, blue ray speaker and other equipments	Nos	1				
13	Installation , wiring, testing and commissioning of sound system as per scope of work and instructions of site incharge of RDSO to make complete system functional properly (For item no 9 to 12)	Job	1				

Part C – Provision of CCTV Surveillance system							
14	Supply of 2 MP Ceiling Mount type Full HD IP colour camera along with all accessories as per Technical Specification Make :- Hikvision, Bosch, TVT, CP-Plus.	Nos.	4				
15	Supply of Network Video Recorder 4 Channel with One Sata port and Ethernet port. Make : - Hikvision, Bosch, TVT, CP-Plus.	Nos.	1				
16	Supply & Installation of 6 TB Surveillance Hard Disk for one month backup. Make :- WD, Segate, Toshiba.	Nos.	1				
17	Supply of L2 Switch PoE 8 Ethernet 10/100/1000 port with 2 combo 10/100/1000 Base T/ SFP Port equipped with 2 SM Fiber LX Modules per technical Specification Make D-Link, Cisco, and Extreme...	Nos.	1				
18	Installation, wiring, testing and commissioning of CCTV Equipments as per scope of work and instruction of site in-charge of RDSO to make complete system functional (for item no. 14 to 17)	Job	1				
			Total				

You are requested to fill up the rates against scheduled item mentioned above and submit the same in the sealed envelope in the box provided at office of Asstt. Design Engineer/TMS, Telephone Exchange Building, Manak Nagar Lucknow-226011

Quotation shall be Opened at 15:30 Hrs on 24.05.2019

Signature of Tenderer
With Seal

ADE/TMS
RDSO/LKO

TERMS & CONDITION FOR SCHEDULES OF WORKS

The Terms & Condition for schedules of works is as under:

1.	The work should be completed within TEN Days of issue of LOA.
2.	During installation fixing etc, in this work shall be carried out as per direction of Site Engineer.
3.	Completion Period of Work:- The work should be completed with-in TEN DAYS from the dated of receipt of acceptance letter in all respect
4.	The bidder (whether his quotation accepted or not), shall treat the contents of his quotation as private and confidential. He shall also treat the prices quoted by him as strictly confidential till the quotation is opened
5.	No CLAIM FOR REJECTION OF BIDDER: The quotation, when submitted shall not constitute an agreement and the bidder shall have no cause of action of claim against the RDSO for rejection of his

	offer. The RDSO shall always be at liberty to reject or accept at his own discretion and any such action will not be called into question and the bidder shall have no claim in that regard against the RDSO.
6.	<p>CAPIBILITY OF THE BIDDER:</p> <p>The bidders shall provide satisfactory evidence acceptable to RDSO to show that:</p> <p>1.1 He is an experienced and established contractor who regularly under takes the work of Network, CCTV, and Sound system and wiring , shifting fixing and laying of PVC Conduit Pipes, Casing-N- Capping ,CAT-6 Cable and Active equipments configuration & related accessories in reputed organizations and has adequate technical knowledge and practical experience in this specific field. The bidder has to establish to the full satisfaction of RDSO his credentials and technical competency for executing such work. He need to submit relevant documents along with his quotation bid.</p>
7.	<p>Payment: -</p> <p>(i) 95 % payment will be arranged after satisfactory completion of the work on submission of duly signed bill.</p> <p>(ii) PAN, GSTN & Bank account details including IFSC & MICR code shall be submitted with bill.</p> <p>(iii) Income tax and UPTT etc. will be deducted at source from the bill as per rule as applicable.</p> <p>(iv) Rate & Amount shall be quoted in both words & Figures.</p> <p>(v) Security Deposit: The Security Deposit shall be 5% of the contract value. Security Deposit will be deducted from the bill of contractor as per work done. It will be released after successful completion of free maintenance period.</p> <p>(vi) Free maintenance period: Six months.</p>
8.	<p>Warranty: Warranty period of each equipment may be different from free maintenance period. Firm has to pass on full warranty benefit to railway. Warranty from OEM for Active equipment to be given in the name of Railway authority. Warranty should be commencing after completion of work.</p>

Acceptance of quotation shall be communicated by FAX/Telex/Telegram/Express Letter or a formal letter of acceptance of quotation by RDSO. When acceptance is communicated by FAX/ Telex/ Telegram/ Express letters, the formal letter of acceptance will be sent to the bidder as soon as possible. Issue of FA/ Telex/ Telegram/ Express letter should be deemed to conclude the contract.

Signature of Tenderer
With Seal

ADE/TMS
RDSO/LKO

Execution of Schedule of work

Technical Specification & Special Conditions of the Work

Brief Description of work:

- 1.1 As mentioned in Schedule of Work 'Annexure-A' and as per the direction of site engineer.

LAN Wiring and Splicing:

- 2.1 There is already LAN infrastructure existing in Annexe-II Building. This work is for provision of Sound system, video surveillance system, and internet facility of Facilitation lounge in Annexe- II RDSO complex.
- 2.2 Speakers, Cameras are to be installed on ceiling proper wiring and termination through amplifier and NVR. All these wirings are to be done as per standard practices.
- 2.3 *Switch should be* connected to Railnet network of *latest model/version of standard make fully meeting* as per the site requirement and the Wi Fi equipment should be configure as per site requirements with all security feature.
- 2.4 PVC conduit pipes and PVC casing-n-capping channels are to be fixed on the wall properly with help of suitable clamps & screws. All required accessories like T joints, bends screws etc. are to be supplied by contractor as per the site requirements. All required masonry work like making holes in the wall for taking these pipes, repairing of wall after laying pipes are to be done by the contractor.
- 2.5 Information outlet boxes/Rosette/DP box are to be fixed at appropriate locations in the officers for extending LAN/Telephone connections as decided by RDSO engineer. Wiring of CAT-6 cable from this box to patch panel mounted inside rack is to be done either inside PVC conduit pipe or PVC casing-n-capping as decided by site engineer.
- 2.6 The site engineer of RDSO shall decide the places where the pipes & channels are to laid and LAN wirings are to be provided on the walls such as verandas, officer room etc.
- 2.7 The wiring done inside the PVC pipe/casing-n-capping on the wall should be in a straight alignment and should be neat and clean and nicely executed and the ratio of two swings (clamp, screws, saddle) in one meter..
- 2.8 If any breaking work is done on the wall the wall shall be restored to its original condition after the work is completed.
- 2.9 Channels are to be cut on wall / floor for laying PVC conduit pipes inside rooms/offices as decided by RDSO engineer. Wall & Floor are to be repaired to their original condition after completion of these activities.
- 2.10 TV and DTH connection should be proper functioning.
- 2.11 Various items mentioned in schedule are to be executed as per standard practices being following nationally/internationally as applicable.

Supply of 2 MP Ceiling Mount type Full HD IP colour camera:

2MP ceiling mount type full HD IP colour camera, dome type, 1/2.7"CMOS image sensor, 0.009 lux min illumination, 2.8 mm to 6 mm lens range, 120 DB WDR, Poe enabled, IP 67 , 20-30 M IR night view distance, support remote monitoring through android/PC etc.

Supply of Network Video Recorder 4 Channel with One Sata port and Ethernet port.

4 CHL video and audio input, 32 mbps bandwidth network access, duel stream recording, simultaneous playback of all channels, support SATA hard disk,

Supply Ceiling Mount Speaker (30 Watt)

BW 70 HZ to 20 KHZ, Ceiling mount, 30 watt, maximum power 45 Watt, sound level min 90 db, speaker diameter 8 inch, driver dia 5 inch

Supply of Mixer Amplifier 180 Watt

Two zone output, 4 microphone input with independent level control, USB drive ports, SD card support, and inbuilt FM tuner.

**Signature of Tenderer
With Seal**

**ADE/TMS
RDSO/LKO**