

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



Quotation Notice

No. SIT/TMS/P. Display System

Date: 14.11.2019

Sub: Work of **Professional Display System for DG Office Administrative Building** at RDSO Lucknow.

Your sealed Quotation offer for above mentioned work is invited by ADE/TMS/RDSO office for the estimated cost of **Rs 7,27,264.00/-** with completion period of **One Month**. Please submit your quotation offer up to **21.11.2019** till 15:00 Hrs. in the office of 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 21.11.2019 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.

Contractor Signatures
(Seal)

ADE/TMS
RDSO/LKO

14.11.19

SN-23

Annexure -A

Schedule of Work

S N	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)
A. Professional Display System for DG Office							
1	Supply and Installation of 86 inch display system with Chromecast and mounting kit as per technical specification attached make. Panasonic/Barco/Sony/LG	Nos.	1				
2	Supply and Installation of 20 Meter HDMI Cable with connector in PVC conduit Pipe Make - Kramer	Nos.	3				
3	Supply & Installation of Online 1 KVA UPS with 1 hour battery backup as per technical specification.	Nos.	1				
4	Culting of Wall and fixing of PVC conduit pipe 25 mm on the wall with clamp & plastering of wall to its original condition	Mtr.	50				
			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 21.11.2019

Signature of Tenderer
With Seal

B
14.11.19
ADE/TMS
RDSO/LKO

SAI-22

SSC/Rohini
Sharma

TERMS & CONDITION FOR SCHEDULES OF WORKS

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

1.	The work should be completed within One month 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 of Professional Display System for DG Office Administrative Building at RDSO Lucknow. should be completed within One Month 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.	CAPIBILITY OF THE BIDDER: The bidders shall provide satisfactory evidence acceptable to RDSO to show that: 1.1 He is an experienced and established contractor who regularly under takes the work of Professional Display System, cutting of wall and laying of PVC Conduit Pipes, accessories and removal of old wiring 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.
7.	Payment - (i) 100 % payment will be arranged after satisfactory completion of the work on submission of duly signed bill. (ii) PAN, GSTN & Bank account details including FSC & MICR code shall be submitted with bill. (iii) Income tax and UPTT etc. will be deducted at source from the bill as per rule as applicable. (iv) Rate & Amount shall be quoted in both words & Figures. (v) Free maintenance period : Six Month
8.	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. 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 FAX/ Telex/ Telegram/ Express letter should be deemed to conclude the contract.

B/A-11.12
ADE/TMS
RDSO/LKO

Signature of Tenderer
With Seal

See Packed
Sharma

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.
- 2.0 Professional Display system :
- 2.1 There is Professional Display system for DG office in Administrative building. This work is for Professional Display system of minimum one month.
- 2.2 Display system has to be installed on wall proper, cutting & proper wiring. All these wirings are to be done as per standard practices
- 2.3 PVC conduit pipes 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.
- 2.4 Display system, UPS HDMI cable etc. are check by Telecom maintenance section It will change as per site requirement.
- 2.5 The site engineer of RDSO shall decide the places where the Display system, UPS and other equipments pipes & channels are to laid and Cable wirings are to be provided etc.
- 2.6 If any breaking work is done on the wall the wall shall be restored to its original condition after the work is completed
- 2.7 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.
- 2.8 Display System, UPS should be proper functioning.
- 2.9 All connecting HDMI Cables, power board wiring should be laying inside in PVC pipe or Casing-n- capping in a straight alignment and should be neat and clean and nicely executed.
- 2.10 Various items mentioned in schedule are to be executed as per standard practices being following nationally/internationally as applicable.

Supply of 86 inch Professional Display System.

1	Screen Size Diagonal / Aspect Ratio	86-inch/16:9
2	Panel Type	IPS Panel/D-LED
3	Effective Display Area (W x H)	1895.0 mm x 1065.9 mm
4	Resolution (H x V)	3840 x 2160 pixels
5	Brightness	500 cd/m ²
6	Contrast Ratio	1200:1 (typ)
7	Dynamic Contrast Ratio	500,000:1

14.11.19

871-20

8	Viewing Angle (Horizontal/Vertical)	178° / 178°
9	Security/ Physical Layer	User Authentication address Filtering, Water marking, /10/100 based Tx Ethernet
10	HDMI In	HDMI 1.4 (Type A) x 2, (4K@30Hz), HDMI 2.0 (Type A) x 1, (4K@60Hz)
11	HDMI Out	HDMI Type A connector x1
12	Display Port In	Display Port x 1
	DVI-D In	DVI-D 24-Pin x 1
	PC In	Mini D Sub 15-Pin x 1
	PC Audio In	M3 x 1
13	USB	USB 3.0 x 2, USB 2.0 x 1
14	Component (YPbPr)	x 1
15	AV In	x 1
16	LAN (RJ-45)	x 1
17	Serial In (RS-232C) Video Out	D Sub 9-pin x 1, Suitable adapter take shall be supplied to make the equipment work on 230V +/- 10%, 50 Hz and Power over Ethernet
18	SPDIF Out	x 1
19	Earphone	x 1
20	Built In Speaker	20 W (10W + 10W)
21	Orientation	Landscape / Portrait
22	Supplied Accessories	Power Cord x 1, User Manual x1, RCA cable x 1, Remote Control x 1, Battery x 2, Wall Mount x 1, Chromecast.
23	Make	Panasonic/Barco/Sony/LG
24	OEM Letter	The OEM should take the responsibility of the warranty and the compliance with authorisation to Tenderer.
25	Warranty	ONE YEAR Onsite

Supply of 1 KVA Online UPS

Input Voltage	230 VAC nominal
Frequency	40 - 70 Hz
Brownout Transfer	140 VAC typical
Over-voltage Transfer	300 VAC typical
Output	
UPS Capacity (total)	1000VA / 600W
Output Voltage range	190 - 260 Vac
Voltage on Battery	230 VAC typical
Frequency on Battery	50 Hz +/- 1 Hz
Transfer Time	4-10 ms typical, 15 ms maximum
Protection and Filtering	Resettable circuit breaker
AC Input	
Battery Type	
Operating Temperature	65 AH SMF
Storage Temperature	0°C to 40°C
Warranty	-20°C to 40°C 1 Years

556/Railway
Dhruv 14/11/19

14.11.19
ADEL TMS