



# **National Highways And Infrastructure Development Corporation Limited**

(A Government of India Undertaking)

**Supply, installation, testing & commissioning of light weight & rugged tiles  
for outdoor video display (video wall) using finest quality outdoor SMD  
LED components at Automated Car Parking in Parivahan Bhawan, New  
Delhi-110001**

Bid Document

Volume – I

March 2017

## Volume- I

**Name of Work:-** Supply, installation, testing & commissioning of light weight & rugged tiles for outdoor video display (video wall) using finest quality outdoor SMD LED components at Automated Car Parking in Parivahan Bhawan, New Delhi-110001.

### **QUALIFICATION CRITERIA:**

#### **ESSENTIAL QUALIFICATION FOR THE BIDDER:**

1. Should have completed at least one similar work of Rs 22 Lakh over the past 3 (Three) financial years.
2. Work completion certificate from Govt./Private Entity must be attached as documentary evidence of having the requisite experience.
3. Should have registered for VAT and Service Tax and a documentary proof of the same shall be furnished while submitting the bid.
4. Should have PAN No and copy of the same shall be submitted along with the bid.
5. Undertaking to the effect that firm has not been blacklisted by any of the Govt. Agency on a non judicial stamp paper worth Rs.100/- duly notarized from the public notary.
6. Financial bids of bidders having requisite experience shall only be considered.
7. In the absence of any of the above documents, the bids shall be liable for rejection and no correspondence in this regard will be entertained.
8. **Technical Bid must also contain one photo copy of General Terms & Conditions duly signed & stamped by an authorized person on each page as a token of acceptance of all Terms & Conditions of NIT.**

**Col. Rajeev Sood (Retd.)  
General Manager (T)  
NHIDCL, New Delhi**

## **GENERAL TERMS & CONDITIONS**

**Name of Work:-** Supply, installation, testing & commissioning of light weight & rugged tiles for outdoor video display (video wall) using finest quality outdoor SMD LED components at Automated Car Parking in Parivahan Bhawan, New Delhi-110001.

The terms and conditions for the above cited work shall be as under:-

1. The time allowed for the completion of work is 21 days after issue of letter of award and work has to start within 5 days of the award of work.
2. Extension of time shall normally be not permitted. However, in case necessary the same shall be obtained from NHIDCL in writing giving reasons thereof.
3. The rates quoted shall be for complete work. The bidder must quote the rates inclusive of all taxes. The work will be awarded to the technically qualified bidder who has quoted the lowest amount (L-1).
4. Nothing shall be paid extra on account of staging/scaffolding required for installation at all heights
5. The bids shall remain open for acceptance for a period of 90 days from the date of opening of tender.
6. NHIDCL reserves the right to accept/reject any of the tender without assigning any reason whatsoever.
7. The bids shall be submitted in dual bid system in two separate sealed envelopes clearly mentioning on the top of one envelopes as "Technical Bid" and "Price/ Financial Bid" on the other envelope.
8. Bad workmanship is liable to be rejected and no payment on that account will be made.
9. No Advance payment will be made to the contractor. The payment shall be released after completion of the work. The contractor shall submit the final bill with detail of measurement, which will be checked and verified by the Engineer in-charge of NHIDCL.
10. 90% of the total payment shall be released to the contractor after statutory deduction on satisfactory completion of the work. The remaining 10% will be kept as Security Deposit till the expiry of defect liability period (DLP) of 1 year from the date of completion.

11. In case any defect comes in notice during the DLP, the contractor would be liable to rectify the same within 7 days, failing which, NHIDCL will get the same rectified at the risk & cost of the contractor.
12. The rate of extra item shall be as per current market rate when not available in latest DSR. The same shall however be subject to prior approval of the competent authority in NHIDCL.
13. The contractor shall be fully responsible for the safety precautions, labour laws and payment of labour cess, VAT, Service Tax or any other taxes directly to the concerned department. NHIDCL shall not entertain any claim whatsoever in this respect.
14. The contractor shall comply with minimum wages act and no minor labour should be engaged at the work site.
15. Contractor or his qualified authorized representative should always be available at the site of work to take the instructions from the Engineer in-charge, NHIDCL and ensure proper execution of work.
16. The work shall be carried out in the professional manner with prior information to cause least disturbance to the working of NHIDCL.
17. The work performed shall be having the defect liability period for one year from the date of completion of work.

**Col. Rajeev Sood (Retd.)**  
**General Manager (T)**  
**NHIDCL, New Delhi**

	Technical Specifications	
1.	<b>Full Color Outdoor LED Display</b>	
	Display Size	Width – 12'.6"xHeight – 9'.6" (Variation in size +/- 5% is acceptable)
	Pixel Pitch	6.35 mm or lesser
	Pixel Configuration	SMD
	Brightness	5000 NITS
	Contrast Ratio	1,500:1
	Refresh Rate	>2000Hz
	Colour Processing	16Bit
	Colour	281 Trillion
	Viewing Angle	H-140 degree/V-90 degree
	Power Input	110v-240v
	Operating Temperature	-20-50 degree C
	Relative Humidity	20% to 99%
	IP Grade	Front IP65/Rear IP54
	Certification	BIS/CE/UL/ULC Listed
	Video Processor	2xHDMI Inputs 1xVGA Input with HDCP Compliant
	Controller	For full control of LED Display
	Brightness Calculator	Auto Brightness Controller
2.	<b>Desk Top PC</b>	
	<b>Processor</b>	6 <sup>th</sup> Generation intel® CoreProcessor
	Software	Windows 10
	Memory	8GB Dual Channel DDR31
	Hard Drive	1TB 5400 rpm Hard Drive
	Playout Software	Playout software provided by LED Display OEM for PIP/Quad view or any configuration
	Accessories	19inch monitor with Keyboard & Mouse
3	<b>Powder Distributor</b>	
	Input	110v-240v Input
	Output	Distributed Power Out to individual Tiles of LED
	Indicator	LED power indicator
	Main Power Control	Master on/off switch MCB
4.	<b>CAT 6 Cables with Extenders</b>	
	Conductor	Standard Bare Copper (7x32 AWG) shielded
	Insulation	HDPE (CMI-75E) Nominal Wall Thickness 0.178 mm. Min

		Thickness 0.153 mm.
	Extender	To be provided to route signal upto 300 meters
	Connectors	RJ 45
5.	<b>MS Structure for Display</b>	
	Material	MS
	Height	Between 9-11 feets
	Type	Unipole/Dual Pole
	Foundation	Base RCC
	Weight Capacity	As given by the LED Display OEM
	Design	The design of the MS Structure will be approved by the engineer-in-charge before commencement. The frame work shall be covered on all three sides by aluminum composite panels as per requirement.

**Name of Work:-** Supply, installation, testing & commissioning of light weight & rugged tiles for outdoor video display (video wall) using finest quality outdoor SMD LED components at Automated Car Parking in Parivahan Bhawan, New Delhi-110001.

SCHEDULE OF QUANTITIES

Sl.No.	Particulars	Qty.	Unit.	Rate		Amount
				Figure	Words	
	Outdoor LED VIDEO WALL (6mm)					
1	Supply, Installation, Testing & Commissioning of Full Colour Outdoor LED Display with 6.35 mm or lesser pixel pitch, SMD based, Display size: 12'6" (W) x 9' 6" (H), {(+/- 5% ) variation in size is acceptable}, fitted with auto brightness controller, complete with Power distributor, HDCP compliant Video Processor & LED Controller, Complete as per the specifications and as require.	1	No.			
2.	Supply, Installation, Testing & Commissioning of Desk Top PC with 6 <sup>th</sup> Generation Intel* Core Processor/ Windows 10, SGB Dual Channel DDR31, ITD 5400 rpm Hard Drive with play out software (provided by OEM of LED Display), complete as per the specifications and as required.	1	No.			
3.	Supply, installation, Testing & Commissioning of Power Distribution unit, complete as per the specifications and as required.	1	No.			
4.	Supply, Installation, Testing & Commissioning of CAT6 cables, with required Extender, complete as per the specifications and as required.	1	Job.			
5.	Supply & Fabrication of MS Mechanical Structure including rust proof paint as per the specifications and as per the approved design of engineer in charge	1	Job			
		Total				

**Note:**

- 1. Technical Bid must also contain one photo copy of General Terms & Conditions duly signed & stamped by an authorized person on each page as a token of acceptance of all Terms & Conditions of NIT.**
- 2. In case of difference between rate in figures and rate in words, the rate in words will prevail in determining the lowest quoted amount.**

I have read all the Terms & Conditions and the same are accepted.

**Authorized Signatory (Bidder)  
With Official Seal**