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**CORRIGENDUM
DOCUMENT**

ON

REQUEST FOR PROPOSAL (RFP)

For

**AIS-140 Based Vehicle Location Tracking with Passenger
Safety & Information System (VLT-PSIS)**

at UPSRTC

(Under Nirbhaya Fund Scheme of MoRTH- GoI)

2022

**AIS-140 Based Vehicle Location Tracking with
Passenger Safety & Information System (VLT-PSIS)**

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CORRIGENDUM/ADDENDUM DOCUMENT
DATED – 25/11/2022



REQUEST FOR PROPOSAL (RFP)

For

**AIS-140 Based Vehicle Location Tracking with Passenger
Safety & Information System (VLT-PSIS)**

Uttar Pradesh State Road Transport Corporation (UPSRTC)

Parivahan Bhavan, Tehri Kothi, 6 M.G. Marg, Lucknow-226001

This corrigendum document containing clarifications to queries received after the corrigendum issued on 21st November 2022 can be downloaded from e-tender portal <https://etender.up.nic.in> or UPSRTC's Website www.upsrtc.com . Corrigendum document containing clarifications to queries shall now be a part of RFP. The amended dates for various activities for this "Request for Proposal" are revised as follows:.

Activity	Date and time
Last Date and time for Submission of Bids	09 th DECEMBER ,2022 upto15:00 hrs
Technical Bid opening	09 th DECEMBER ,2022, 16:00 Hrs
Financial Bid opening	To be communicated later

Additional Managing Director
Uttar Pradesh State Road Transport Corporation (UPSRTC),

**REVISED SPECIFICATIONS FOR CCC VIDEO WALL AND
DISPLAY PANELS AT BUS STATIONS**

REVISED SPECIFICATIONS OF VIDEO WALL: This replaces specifications for Video Wall which was earlier provided in CORRIGENDUM DOCUMENT DATED 21.11.2022

Video Wall Specification for control and command centre		
Group	Specification Item	Detailed Specification
System	Display wall	PANELS OF 55" DIAGONAL IN 4(C) X 4 (R) CONFIGURATION COMPLETE WITH STANDARD WALL MOUNT
	Display technology	Liquid Crystal Display
	Display size and resolution	The diagonal size of each display unit/ module shall be 55" with a native resolution of at least 1920x1080 pixels
	Combined bezel gap	Should be 3.5 mm
	Light source	LED
	Brightness	500 Cd/m ² ± 10% or better
	Color	Shall offer in excess of 16 million colours.
	Response time	8ms
	Viewing angle	H:178° V:178°
	Contrast ratio	should be minimum 1400:1
	Architecture	The control box and power supply should be in the same housing to ensure quick swapping of module for repair with minimum downtime
Signal Interface	Signal Interface	2 x HDMI in/ 1x Display port 1.2
		1x RS232C Dsub-9 / RJ 45
		1x Digital DVI/ HDMI out / Display port out
		1x analog VAG -Dsub 15 in
		1x USB
	Input compatibility	480i, 480P, 720P, 1080i, 1080P, 2160P
	Scan rate	Fh : 30~75KHz
		Fv : 50~85Hz
	Timing compatibility	720x400 @ 70Hz, 85HZ
		VGA @60Hz, 72Hz, 75Hz, 85Hz
SVGA @60Hz, 70Hz, 75Hz, 85Hz		
XGA @ 60Hz, 70Hz, 75Hz, 85Hz		
SXGA+ @60 Hz, 75 Hz		
UXGA @60 Hz		
HDTV @ 50 Hz, 60 Hz, UHD @ 30 Hz, 60 Hz		
User controls	Power control:	1 AC power ON/OFF switch
	Wire control:	RS232C/ RS422 input
	IR remote	IR remote
	OSD style	list type OSD format
	On Screen display	Input selection, picture, image and tiling should be adjusted using OSD
	Colour adjustment	User should be able to adjust the primary & secondary colours for colour alignment and fine tuning
	OSD Languages	English
Electrical	AC power input range	90~240VAC, 50/60Hz, 5A max.
	Power consumption	Normal operating should be < 200 W Standby mode < 2 W at 110VAC
System Reliability	Operating temperature	0~40°C
	Operating relative humidity	20~80%
	MTBF	>= 50,000 hours

CONTROLLER

The Controller should be able to make complete video wall display behave as one logical area. It should be possible to display any or all the inputs on the video wall in any desired configuration. Should be possible to increase the no.of inputs if desired at a later stage

Controller & Display	controller and displays must be from same OEM
Architecture	Should be based on Server architecture
Operating System	Windows 7 or higher -64 bit
RAM	16GB or higher
HDD	500 GB or higher
RAID	RAID should be provided
Chip	Intel Xeon or better
Power Supply	Dual Redundant Power Supply
Outputs	To connect videowall of (4 x 4) configuration
Inputs	2DVI & Dual LAN
Chassis	19" rack mount industrial chassis
Unix/Linux Emulation	Should be possible to display images from Unix/Linux workstation
Controller certification	Controller should have BIS certification
Wall management SW	
Scaling and display	Software to enable the user to display multiple sources in any size and anywhere on the display wall.
Auto Source Detection	Software should support for auto source detection
Layout Management	Should support for Video, RGB, DVI, Internet Explorer, Desktop Application and Remote Desktop Monitoring Layouts
Scenarios	Software should be able to Save and Load desktop layouts from Local or remote machines
Layout Scheduler	All the Layouts can be scheduled as per user convenience
	Software should support auto launch of Layouts according to specified time or event by user
Layout Preveiw	Software should support layout preview option
Launch Application	Software should be able to support
Integration with 3rd party devices	System should offer interface to enable control from 3rd party devices like Creston ,AMX etc.
Live Preview	Software should be able to provide live preview of videowall
Work space allocation	System should provide functionality to the administrator to define and allocate workspace for a particular operator or a group of operators when working on a Video wall
Authentication	Software should offer 4 levels of Authentication (User accounts, Permissions for functionality & Roles etc).
Offline Layouts	It should be possible to create offline layouts
User friendly	Software should be user friendly
Ticker	Ticker message can be positioned anywhere on the display wall. Inside the ticker window, font size, colour and background can be set
Ticker Type	Software should be able to prepare various kinds of tickers: text ticker, RSS ticker, transparent and time ticker
Sntp	System should support Sntp function
Protection	System should have Hardware License key to protect the software from unauthorized access.
Source Carousel:	User can set multiple source that can change sequence after some time interval without changing the layout.
Region management	Admin can assign Video wall workspace to user based on pixels.
Snap sensitivity	Enables the magnetic behaviour to fit the sources automatically for easy alignment on the wall

Scalable GUI	Scalable GUI to any size of Videowall screen
Scheduler	User can schedule the layout on specific date & time, weekday, weekend, start & end date
Source positioning	User can position the source input on Video wall with single click
Warranty	02 years onsite+3 Years AMC

Display Panels for Bus Stations:-

S.no	PASSENGER INFORMATION SYSTEM LED DISPLAY	Quantity
1	Supply and Installation of 4 mm Pixel Pitch based Outdoor Direct View True Colour LED Wall tile Size 960 X 960 MM in 3 X 2 Matrix with 5000 cd brightness calibrated with IP65 front / IP65 Rear IP rating inclusive of LED control system, content management server and software and PDU for LED Wall with 2 years onsite warranty +3 years AMC (Configuration-SMD 3-IN -1LED Type) Size- 9ft by 6ft	25
2	Supply and Installation of 4 mm Pixel Pitch based Outdoor Direct View True Colour LED Wall tile Size 960 X 960 MM in 2 X 1 Matrix with 5000 cd brightness calibrated with IP65 front / IP65 Rear IP rating inclusive of LED control system, content management server and software and PDU for LED Wall with 2 years onsite warranty +3 years AMC (Configuration-SMD 3-IN -1LED Type) Size- 6ft by 3ft	75

Cloud management Software with digital Signage along with content management server

Requirement: -

Digital signage, message, flexible playlist creation, dynamic content from text, audio, photos, videos to webpages RSS, Google Calendar, weather, media player, Wi-Fi, Central Controlling at UPSRTC Regional/HQ Level.

(I7 11th Generation or Higher – Processor, 16 GB RAM, Windows 10/11 Professional version, ,factory preloaded, 64 bit ,Storage- 256 GB SSD with 1 TB HDD and monitor 19.5” or higher with HDMI input port, Keyboard & Mouse)

Additional Requirements for OEM of Display Panels

1. OEM should have their own registered office in India from the last 5 years on the date of bid submission.
2. OEM shall be ISO 9001, ISO 14001, OHSAS 45001 & ISO 27001:1 certified – Certificates to be submitted.
3. OEM should have their own service center across India for support. Franchised or Authorized service center are not acceptable.
4. OEM should provide escalation matrix of service engineers available in Uttar Pradesh.
5. Installation, Commissioning, after Sales support shall be provided by OEM only.
6. Bidder/OEM should have completed similar installations of the same or higher size with at least same or higher quantity and content published from a central location in India for any PSU/ government in India for the required quantity. These displays should be working satisfactorily for at least 3 years before the date of RFP. Customer stratification letter to be submitted along with the bid
7. Manufacturer's authorization should be submitted along with bid, Bid no., issuing authority's name, contact no. and e-mail id should be clearly mentioned on the authorization letter.
8. Data sheet should be submitted for all the quoted product along with bid and it should be verifiable /available on its website.
9. BIS certificate should be submitted along with bid for the quoted product, BIS license should be issued in the name of OEM. The quoted product should compliance with MII clause.
10. Any type of damage will be covered under warranty period.

REVISED ANNEXURE VI

Annexure VI- REVISED INDICATIVE BILL OF MATERIALS

6 Indicative Bill of Material

9.1 The following section provides a minimum indicative list of bill of material for the project.

Bidder shall make its own independent assessment to meet the desired service levels.

S.NO	COMPONENT	QUANTITY
1 VLT & PANIC BUTTONS		
1.1	AIS-140 COMPLIANT VLT DEVICES	10000 at present.
1.2	SET OF 10 PANIC BUTTONS FOR EACH BUS WITH NECESSARY WIRING	10000 at present
1.3	SET OF 3 PANIC BUTTONS FOR EACH DEPARTMENTAL VEHICLES DEPLOYED FOR ENFORCEMENT WITH NECESSARY WIRING	79
2 NETWORKING COMPONENT		
2.1	e-SIM subscription for entire contract period	10000 at Present
2.2	PIS CONTROLLERS	100
3 APPLICATION SOFTWARE/SYSTEM SOFTWARE		
3.1	Solution Development: Intelligent Tracking System (ITS) Application Suite: (i) Route Management System (ii) Fleet Management System (iii) Passenger Information System	As required
3.2	Map services Software	As required
3.3	Mobile Apps for Passengers (ios & android)	As required
3.4	Mobile Apps for UPSRTC Staff (ios & android)	AS required
3.5	Tier -III Government approved Cloud for various applications and data storage	AS required

4 PASSENGER INFORMATION SYSTEM LED DISPLAY & PUBLIC ADDRESS SYSTEM(PAS)		
4.1	<p>PASSENGER INFORMATION SYSTEM LED DISPLAY Size 9ft x 6ft (4 mm Pixel Pitch based Outdoor Direct View True Colour LED Wall tile Size 960 X 960 MM in 3 X 2 Matrix with 5000 cd brightness calibrated with IP65 front / IP65 Rear IP rating inclusive of LED control system, content management server and software and PDU for LED Wall with 2 years onsite warranty +3 years AMC) (Configuration-SMD 3-IN -1LED Type) Size- 9ft by 6ft</p>	25
4.2	<p>PASSENGER INFORMATION SYSTEM LED DISPLAY Size 6ft x 3ft 4 mm Pixel Pitch based Outdoor Direct View True Colour LED Wall tile Size 960 X 960 MM in 2 X 1 Matrix with 5000 cd brightness calibrated with IP65 front / IP65 Rear IP rating inclusive of LED control system, content management server and software and PDU for LED Wall with 2 years onsite warranty +3 years AMC (Configuration-SMD 3-IN -1LED Type)</p>	75
4.3	Public Address System	100
4.4	UPS 6 kVA	100

5 COMMAND & CONTROL CENTRE HQ

5.1	VIDEO WALL SIZE (4 x 4 MATRIX OF 55" LED PANELS)(including necessary controllers and as per specifications provided in corrigendum dated 25 th Nov 2022) at CCC-UPSRTC Hqrs	1
5.2	Setting up of CCC with furnishing (refurbishing with necessary civil/electrical work as required)	AS REQUIRED
5.3	Desktop Computer i7 , 1 TB HDD, 8 GB RAM, Mouse and Keyboard with required software applications	3
5.4	Network Switch and Connectivity of 10MBPS	1
5.5	Laser jet printer	2
5.6	UPS 6 kVA	1

6 REGIONAL CONTROL ROOMS

6.1	55" Display LED	20
6.2	Desktop Computer i7, 1 TB HDD, 8 GB RAM, Mouse and Keyboard with required software applications	20
6.3	Network Switch and Connectivity of 5MBPS	1
6.4	Laser jet printer	20
6.5	UPS 2 kVA	20

Additional Clarifications for past project experience calculation

Term used in RFP	Further Clarification
during the last 5 years as on the last date of submission of the bid.	It shall mean all such projects which were either awarded or completed within last 5 years as on the date of submission of bid.

Special Note:

Bidders to note that revised BOQ.RAR file for commercial Bid is being provided and it can be downloaded from the etender portal. Bidders should use this revised BOQ Sheet only for Commercial Bid as being supplied with this 2nd Corrigendum on 25.11.2022

Any tender received with old BOQ shall not be considered for further evaluation.