Corrigendum-IV

RFP for Selection of Bus Operator for Supply, Operation and Maintenance of Buses for Managing Public Transport across the Cluster-II, III, IV & V routes under LAccMI Scheme on Gross Cost Contract (GCC) Model

RFP No. 1679 Date: 11/09/2023

Date:13/10/2023

No.1827/OSRTC/IM(TR)-11/2023 (pt.I)

SI.No.	Section / Page No.	Existing Clause		Revised Clause		
1.	Schedule Bidding Process	Last date for Proposal e-submission 13/10/2023 (03:00 PM)		16/10/2023 (03:00 PM)		
2.	Schedule Bidding Process	Date and time for opening of technical bids. 13/10/2023 (05:00 PM)		16/10/2023 (05:00 PM)		
	Sec 1.1.14 Volume- II	SI. Particulars-	escription	PIS System: • All driver-related interfaces (input/output/feedback) for PIS must be provided on Single Control		
		1. Cabinet size 912 x 180 x 53 mm	Unit (SCU) & Bus Driver Console(BDC). • Amber colored, alphanumeric with graphic capability			
		2. Display Area 842 x 3. Character 120 r Height	x 120 mm mm	 In-built light sensor with continuously variable brightness control to enable the display intensity to change based on ambient light conditions. Viewing distance 		
3.		4. LED Parameters 5. Type of LED Dot N	Matrix	 Front, side and rear signs 50 meters minimum, for single line text, in day and night. Inner 15 meters minimum, for single line text in day and night. 		
		6. Color Ambo 7. Wavelength 591	er Colored to 595 nm	Display Characteristics Fixed, scrolling and flashing mode (with fixed route number, up to 6 characters, on		
		Dom Wave per stand	elength as AIS-012	front, side and rear signs). Capability to show customized graphics. Two lines English /one-line local language.		
		8. Intensity 40 m	Cd	 Total display height should accommodate two lines in English language and the Individual heights of each line should be adjustable to enable one line to be 		

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SI.IVO.	Page No.	9. Viewing Angle around 10. UV resistant Yes 11. Electrical Parameters 12. Operating Nominal Extender Range Server Consumption 14. Protection Power input is against Polarity, voltage, voltage, Dump Resettal inside the for over Communate Community	larger/smaller than the second line. However, during next stop announcement only single line text is required. It should be possible to display, concurrently, different messages on each of the signs (front, rear, side and inner). It should be able to display special signs like signs for 'PWD enable bus', 'ladies special'. Display and voice announcement in English and local languages using Microsoft fonts (or any other as specified in tender) via window-based software package (window 7 or latest at the time of inviting the tenders). Signs should have ability to retain the last message displayed in the memory of the sign ever in the event of power failure and without the message being reloaded from SCU. Test will be performed by disconnecting the SCU from the sign and power to the sign will be switched 'off and 'on' to see if the Last message is retained and displayed. The system should have a programming capability as under Minimum 75 routes UP and DOWN (150 numbers of destinations) on front, side and rear signs. GPS triggered next stop display on Inner sign with synchronized voice announcement for minimum 75 stops on each route. The inner sign should be able to display and announce up to three languages, one after the other in sequence. For example, make display and announcement in English then Hindi to be followed by local language for benefit of the passengers. Display and announcements should be possible "before arrival" of the bus at the bus stop, "or arrival" of the bus at bus stop and "after departure" of the bus from the bus stop. In event of GPS failure, the above functionality should be possible through manual intervention on BDC. Display driver and conductor ID once in between the stops on Inner sign vi Inner sign should be able to display and announce up to Inner sign vi Inner sign should be able to display and announce up to three languages, one and announcement in English then Hindi to be followed by local language for benefit of the bus at the bus stop. In event of GPS failure, the abov
		per – Part 3	recorded messages by driver selecting 1~9on BDC display panel of the controller.

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		16 Ambient Operating temperatur 15°C to 80 17 Humidity 95% RF +25°C/+55	• Display size
		Hrs. for 6 in off condi 18 Vibrations 10g as pour 10g	cycles o Front minimum 200x1800 mm –one o Rear and side: minimum 200x900 mm-one each o Inner: minimum100x800 mm –one
		Display Characteristics 19 No. of Sides Single side 20 Line Matrix 16 x 112 21 Pitch 7.62 (H) (V)mm 22 Intensity of In-built display sensor continuous variable brightness control to the intensity change ba ambient conditions.	For midi buses one sign in front of size minimum 200X900 mm, back size minimum 200X900 mm one inner sign minimum100x800 mm and accordingly the size will be adopted in as per rules & guidelines. Pitch Front- maximum. H 13.4 mm x V14.1 mm (maximum H10.5 mm x V 14.1mm for mid buses & as per OEM in 12m buses) cliphay to seed on light LED and display quality front, side and rear signs
			meters for text in y and Second 19 and Graded). UV resistant, diffused lens 4 mm (minimum) or 'SMT PLCC2 standard package' Wide viewing angle 120° horizontal & 60° Vertical Second 19 Ensure enhanced readability with full clarity on scrolls and long-life usage by incorporating non multiplexed system (constant current drive circuit) with typical LED Intensity 400~700 mCd at If =20 mA, alternatively multiplexed design (maximum 4:1) with typical LED intensity 950~1150 mCd at 20 ma

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		displayed in event of power failure without the message being reloaded from Controller Structure 26 Aluminum Cabinet, Powder Coated finish with Polycarbonate at front 27 Weight - 5 kg 28 Mounting arrangement by roof hanging, wall mounting 29 Automotive grade components used, with conformal coated PCB boards 30 Technical Specification 31 To display Bus number and Destination in Fixed, Scrolling, and flashing mode formats with the help of SCU / Bus Controller with fixed route number up to 6 characters with capability to show customized graphics 32 Display in English (2 lines) / Hindi (1 line) / Odia (1 line) 33 Total display height is capable to accommodate two lines in English language and the Individual heights of each line are adjustable to enable one line to be larger/smaller than the second line.	 LED and display quality inner sign LED amber dot matrix viewing angle 45° all around, intensity minimum 40 mCd, dominant wavelength 590 ~595 nm. Structure Front, side, back and rear signs: light weight structure with toughened glass fixed with UV resistant adhesive in front. Inner sign: light weight structure with poly glass /acrylic/toughened glass. Electronic devices used to be 'automotive grade' rated for temperature -25°C to +85°C with conformal coated PCB boards. Power to signs shall be supplied through bus multiplex wiring system. EMI/EMC Test complied as per – AIS 004 Part 3 Ambient Environment Operating temperature: -15°C to 80°C Humidity 95% RH for +25°C/+55°C ,24 Hrs. for 6 cycles in off condition Possible to change/choose/select a 'route' remotely over the air from back office and provide current route information to back office through SCU. Back office can check, via SCU, the version of firmware loaded on the display. Able to store Diagnostic trouble codes (DTC), Parameters identifiers (PID) as per Annex-3 and data retrievable through SCU. (Note: the size of carriage may increase or decrease as per Authority during Prototype. The Sizes may increase for 12m AC buses according to Govt. norms) Wi-Fi connectivity in Buses The Operator needs to provide seem-less connectivity throughout the travelling time for the passengers free of cost. The Operator needs to lay optical cable or use the existing optical fiber or via wireless mode for providing free internet facility to the		

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		34. Possible to display, concurrently, different messages 35. Able to display special signs like signs for 'PWD enable bus', 'ladies special'. 36. Display in English and Odia using Microsoft fonts via window-based software package 37. Possible to change/choose/select a 'route' remotely over the air from back office and provide current route information to back office through SCU 38. Back office can check, via SCU, the version of firmware loaded on the display. 39. Able to store Diagnostic trouble codes (DTC), Parameters identifiers (PID) as per Annex-3 and data retrievable through SCU	undisrupted (Seamless) internet ne bandwidth on selected hotspots area Optimum deployment of Access point installation team to ensure best Wire OSRTC will have all rights over the east the premises. Internet Services can be used by survive will be device. Any kind of security threat in terms of validated by the service provider. Grant of access to the network has protocols to be used should be robuted by the service provider. Those websites or web pages having should be blocked by the service provider. Operator shall be responsible for any downtime of any hotspot shall be controlled. The minimum end user bandwidth son operator should give access to OS decision on voice over IP should be allowed then the feature needs to be	eless performance. Equipment deployed and wireless services offered abscribers of all service providers and having any of access to the network has to be controlled and as to be controlled by the service provider. The st and should follow the latest internet protocols. It is any kind of security/ are banned by Govt. of India ovider. In y damage and resolution to the device and 2-hour insidered. Above 2 hours could lead to a penalty. It is comply with the ADSL and IEEE 802 standards. Security of the hot spots real time information. The de discretion of OSRTC and the administration.	
			Frequency Band	2.4 GHz ISM	

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			Half/Full Duplex	Half
			Radio Technology	Direct Sequence
				Spread Spectrum
			Bandwidth	<=0.44 bps/Hz
			Modulation	QPSK
			FEC	None
			Encryption	Optional- RC4m (AES in 802.11i)
			Mesh	Vendor Proprietary
			Access Protocol	CSMA/CA
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-Sd-General Manager(A), OSRTC, Bhubaneswar