

Addendum- II

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

RFP No. 1332 Date: 06/05/2023

No. 1423/ OSRTC/ IMTR-11/2023

Date:01/06/2023

Bus specifications for OSRTC

SI No	Parameter	Specification (9m to 10m Non- AC)	Specification (9m to 10m AC)	Specification (12m AC)
1	Certification			
1.01	Bus type	TYPE II, NDX	TYPE II, NDX	TYPE II (Homologation to be obtained).
1.02	Category Of Bus	Midi	Midi	NDX
1.03	Type of Fuel	Diesel	Diesel	Diesel
1.04	Vehicle Emission Compliance	BS-VI with OBD II	BS-VI with OBD II	BS-VI with OBD II
1.05	Compliance to Latest revision of CMVR Rules in all respects	Yes	Yes	AIS052 & AIS 153 Certification for Type 2. Roll over. Electronic stability control.
1.06	Tracking Device (VLT/ATD) compliance of AIS 140	Yes	Yes	Yes
1.07	Security Camera Network(CCTV) as per IS 16833/2018	Yes	Yes	Yes
1.08	Bus Body	Meeting CMVR, AIS 052 and AIS 153	Meeting CMVR, AIS 052 and AIS 153	Meeting CMVR, AIS 052 and AIS 153
2	Engine and powertrain			
2.01	Minimum Engine Power (BHP)	140	145	145
2.02	Rated RPM at Min power (minimum)	2400	2400	2000 to 4000
2.03	Engine Torque Minimum (N-m)	400	450	700 Nm to 925 Nm
2.04	Engine Exhaust system	Both EGR & SCR	Both EGR & SCR	Both EGR & SCR
2.05	Engine Aspiration	Turbocharged	Turbocharged	Turbocharged
2.06	No of Cylinder in Engine Minimum	4	4	4

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2.07	Acceleration (0-30 kmph)	As per AIS 153	As per AIS 153	As per AIS 153
2.10	Gradeability of Vehicle minimum	As per CMVR	As per CMVR	As per CMVR
2.11	Vehicle Transmission System	Manual	Manual	Manual
2.12	No of Speed/ Forward Gears	As per OEM Standards	As per OEM Standards	As per OEM Standards
2.13	Front Suspension System	Parabolic / Weveller	Parabolic / Weveller	Parabolic / Weveller
2.14	Rear Suspension System	Air / Parabolic	Air / Parabolic	Air / Parabolic / Weveller
2.15	Vehicle Brake ABS Fitted	Yes	Yes	Yes
2.16	Vehicle Brake	Air assisted drum brakes with electronic stability control as per AIS 150 and AIS 153 as per GSR 246€ and CMVR Rule 125-C	Air assisted drum brakes with electronic stability control as per AIS 150 and AIS 153 as per GSR 246€ and CMVR Rule 125-C	Air brakes (Front and rear Drum) with electronic stability control as per AIS 150 and AIS 153 as per GSR 246€ and CMVR Rule 125-C
2.17	Type of Clutch	Single plate dry friction type diaphragm clutch	Single plate dry friction type diaphragm clutch	Single plate dry friction type diaphragm clutch
2.18	Fuel Tank Capacity (Ltr) minimum	100	100	370
3	Axles , Tyres and Steering			
3.01	No of Axle	2	2	2
3.02	Type of Front Axle	I beam type ,made of alloy steel, with reverse Elliot	I beam type ,made of alloy steel, with reverse Elliot	I beam type ,Made of alloy steel, with reverse elliot
3.03	Type of Rear Axle	Fully floating type with spiral/ Hypoid gears	Fully floating type with spiral/ Hypoid gears	Fully floating type with Hypoid gears
3.04	Tyre type	Tubeless Radial	Tubeless Radial	Tubeless Radial
3.05	Tyre Dimension (minimum)	225/75 R 17.5	225/75 R 17.5	295/80 x R22.5
3.06	Type of Steering	Hydraulically Power assisted	Hydraulically Power assisted	Hydraulically Power assisted
3.07	Towing Hook Front	Yes	Yes	Yes
3.08	Towing Hook Rear	No	No	No
4	Electricals			
4.01	Electrical System Minimum	12 volts with battery isolating switch	24-volt AC with battery isolating switch	AIS 153 Compliant
4.02	Capacity/Rating Battery (Ah) (Minimum)	130 / As per OEM	150 / As per OEM	Min. 150Ah 24 V / As per OEM
4.03	Starter rating, volts (Minimum)	12	24	24
4.04	Starter make and Model	Lucas/Bosch/SEG	Lucas/Bosch/SEG	Lucas/Bosch/SEG

SI No	Parameter	Specification (9m to 10m Non- AC)	Specification (9m to 10m AC)	Specification (12m AC)
4.05	Alternator Rating, amps minimum	As per OEM Standards	As per OEM Standards	As per OEM Standards
4.06	Alternator make and model	Lucas/Bosch/SEG	Lucas/Bosch/SEG	Lucas/Bosch/SEG
5	Body Specification			
5.01	Body design	As per AIS 052 and AIS 153	As per AIS 052 and AIS 153	As per AIS 052 and AIS 153, with AC
5.02	Front show	FRP	FRP	FRP
5.03	Rear show	FRP	FRP	FRP
5.04	Side Luggage box	LH side 1 no's, Flap door with luggage lock with gas spring and lights	LH side 1 no's, Flap door with luggage lock with gas spring and lights	LH side 2 no's, Flap door with luggage lock with Stay rod and lights
5.05	Exterior Panel – Skirt	GI Sheet	GI Sheet	Aluminium
5.06	Exterior Panel – Stretch	GP Coil	GP Coil	GI Sheet
5.07	Exterior Panel – Roof	GI Sheet	GI Sheet	GI Sheet
5.08	Interior Panel – Roof	Pre painted GI sheet	Pre painted GI sheet	Pre painted GI sheet
5.09	Interior Panel – Side	Pre painted GI sheet	Pre painted GI sheet	ABS
5.10	Interior Panel – window pillar finishers	Pre painted GI sheet/ABS	Pre painted GI sheet/ABS	ABS
5.11	Floor	12mm FR grade plywood with 1.5mm thick vinyl mat as per AIS 052	12mm FR grade plywood with 1.5mm thick vinyl mat as per AIS 052	12mm FR grade plywood with 3.0mm thick vinyl mat as per AIS 052
5.12	No of passenger Doors	1	1	2
5.13	Position of passenger door	Before front axle (As per Road Condition)	Before front axle (As per Road Condition)	as per OEM Standard
5.14	Vehicle Seating Capacity Excluding Driver	Minimum Seating capacity excluding Driver	Minimum Seating capacity excluding Driver	Minimum Seating capacity excluding Driver
5.15	Seating Plan	2X2 fixed type	2X2 fixed type	3x2 on all areas and 2x2 for rear wheel arch area.
5.16	Type of seats	HHR	HHR	HHR
5.17	Widows Glasses (toughened type glass as per ARAI approved)	Side windows with top portion fixed and bottom portion sliding will be provided.	Top portion fixed glass & bottom portion in two halves in horizontal sliding either fixed glass.	Fixed glass
5.18	Swivelling Fan	For Driver	For Driver	Manual Swivelling Fan for Driver
5.19	Rear Number Plate position	Bottom Bumper Centre	Bottom Bumper Centre	Bottom Bumper Centre

SI No	Parameter	Specification (9m to 10m Non- AC)	Specification (9m to 10m AC)	Specification (12m AC)
6	Dimensions			
6.01	Wheelbase, mm (minimum)	4200	4200	5900
6.02	Length of Vehicle Body, mm (minimum)	8740	8740	11800 - 12000
6.03	Width of Vehicle Body, mm	As per CMVR	As per CMVR	2590 – 2600
6.04	Height of Vehicle Body, mm	As per CMVR	As per CMVR	Minimum 3350 mm including AC
6.05	Front Overhang (Max 40% of wheelbase), mm (Minimum)	2020 (Max 40% of wheelbase), mm	2020 (Max 40% of wheelbase), mm	2400 (Max 40% of wheelbase), mm
6.06	Rear Overhang (Max 60% of wheelbase), mm (Minimum)	2520 (Max 60% of wheelbase), mm	2520 (Max 60% of wheelbase), mm	3600 (Max 60% of wheelbase), mm
6.07	Floor Height, mm (Minimum)	900	900	900 +/- 20mm
6.08	Ground Clearance, mm (minimum)	180	180	230
6.09	Turning Radius, mm (Minimum)	7200	7200	10400
7	Weights			
7.01	Kerb Weight, kgs	As per OEM Standards	As per OEM Standards	As per OEM Standards
7.02	Gross Vehicle Weight, kgs	As per OEM Standards	As per OEM Standards	As per OEM Standards

Format of Bank Guarantee for EMD

To

**The General Manager (Admin.)
Odisha State Road Transport Corporation,
Paribahan Bhavan, Sachivalaya Marg, Unit-II,
Bhubaneswar-751001, Odisha**

In accordance with the provisions of the RFP document , ----- (Name And Address of the Operator) here by deposits with the _____ (name of the purchaser).

We the -----(Bank or Financial Institution) agree that the Operator shall have right to demand, not exceeding, full or part of the amount of ----- (amount of guarantee) -----(in words) .

It is one of the terms of said Request for Proposal that the Bidder shall furnish a Bank Guarantee for a sum of Rs. xxxxxxxxxx/-(in words) as Earnest Money Deposit.

M/s. _____ (hereinafter called as Bidder, who are our constituents intends to submit their Bid for the said work and have requested us to furnish EMD in respect of the said sum of Rs. xxxxxxxxxx/-(in words) without any demur, merely on a demand in writing from the Authority stating that the amount claimed is due and payable by the Operator. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. We, the Bank, further undertake to pay to the Authority any money so demanded notwithstanding any dispute raised by the Operator in any manner whatsoever and our liability under these presents is absolute, unconditional, unequivocal and irrevocable.

We, the Bank, further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the EMD of the said agreement.

This EMD is valid for a period of -----(Duration in days (months) in figures and words) from the date of bidding. (The initial period for which this EMD will be valid must be for at least days/months longer than the anticipated expiry date of the Bus Operator RFP(as the case may be) as stated in the 'RFP'. We undertake not to revoke this EMD during its currency without the written consent of the Authority.

The Guarantee hereinbefore contained shall not be affected by any change in the Constitution of the Bank or of the Operator.

We, the Bank, undertake not to revoke this EMD except with the previous consent of the Authority in writing. This EMD shall be valid up to ----- and we undertake to renew/extend this EMD from time to time till the completion of Bidding process by the Operator of its obligations under the Contract and/or as demanded by the Authority.

The expressions "the Authority", "the Bank" and "the Operator" hereinbefore used shall include their respective successors and assignees.

In witness whereof I/We of the Bank have signed and sealed this EMD on the -----
---- day of 20 ----- being herewith duly authorized.

For and on behalf of the -----Bank

Signature of authorized Bank official

Name : -----

Designation : -----

Stamp/Seal of the Bank : -----

Signed, sealed and delivered For

and on behalf of the Bank

by the above named -----

in the presence of : ----

Witness 1.

Signature

Name

Address

Witness 2.

Signature

Name

Address

-Sd-

General Manager(A),
OSRTC, Bhubaneswar