

Request for proposal (RFP)

**DESIGN, MANUFACTURE, SUPPLY AND COMMISSIONING OF 93 NO. 900 MM DIESEL FUELLED FULLY BUILT AC
STANDARD SIZE BRT BUSES WITH AUTOMATIC TRANSMISSION SYSTEM AND AS PER SPECIFICATIONS GIVEN IN THE RFP
DOCUMENT**

ANSWER TO PRE-BID QUERIES

July 27, 2016

Issuing Authority: Punjab Bus Metro Society (PBMS)

Sr No	Clause no	Page No	RFP Reference	Query/ Suggestions provided by bidders	Response
1.	Part C: RFP Summary, Point 14, Bid Security Amount / Earnest Money Deposit(EMD)	6	Rs. 165 Lakhs (In words Rs. One Hundred and Sixty Five Lakhs Only) Through e-payment mode (RTGS/NEFT) available on e-tender website. For RTGS/NEFT bidder has to submit the copy of Challan. Bidder can also submit EMD amount in form of Bank Guarantee or Demand Draft.....	By Tata: EMD to be Rs.100 lakhs By Volvo: Amount of EMD shall be Rs. 93 lakh shall be submitted in form of Bank Guarantee in favour of the Authority from Nationalised Banks or any Scheduled Banks in India, and payable at Chandigarh / Delhi.	Clause Modified , may kindly refer to Sr No 1 in Addendum 1

Sr No	Clause no	Page No	RFP Reference			Query/ Suggestions provided by bidders	Response															
2.	Part C: RFP Summary, Point 17, Delivery Schedule	8	Sr. No.	Month	Stage of Delivery of buses to be completed	By Tata: Proto – 3 months Delivery to start after 3 months @ of 30 nos per month By Volvo: <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Month</th> <th>Proportion of The total order size to be delivered</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Within 90 days from the date of release of PO</td> <td>Delivery of Prototype</td> </tr> <tr> <td>2</td> <td>45 days from the Approval of Prototype Bus</td> <td>5 (Five) numbers of Buses</td> </tr> <tr> <td>3</td> <td>4 Months from the Approval of Prototype Bus</td> <td>15 (Fifteen) numbers of Buses</td> </tr> <tr> <td>4</td> <td>Every Month</td> <td>15 Numbers of buses for balance 73 buses</td> </tr> </tbody> </table>		Sr. No.	Month	Proportion of The total order size to be delivered	1	Within 90 days from the date of release of PO	Delivery of Prototype	2	45 days from the Approval of Prototype Bus	5 (Five) numbers of Buses	3	4 Months from the Approval of Prototype Bus	15 (Fifteen) numbers of Buses	4	Every Month	15 Numbers of buses for balance 73 buses
			Sr. No.	Month	Proportion of The total order size to be delivered																	
			1	Within 90 days from the date of release of PO	Delivery of Prototype																	
			2	45 days from the Approval of Prototype Bus	5 (Five) numbers of Buses																	
			3	4 Months from the Approval of Prototype Bus	15 (Fifteen) numbers of Buses																	
			4	Every Month	15 Numbers of buses for balance 73 buses																	
1	Within 2 (Two) Months from the date of Purchase Order (PO)	Delivery of Prototype Bus																				
2	Within 1 (one) Month from the Approval of Prototype Bus	Delivery of 50 (Fifty) numbers of Buses																				
3	Within 2 (Two) Month from the Approval of Prototype Bus	Delivery of remaining 43 (Forty Three) numbers of Buses																				
Note: Authority at its own discretion and taking into account the valid/justified reasons, may allow relaxation of another 15 days against each of the above delivery schedule.																						
3.	Part C: RFP Summary, Point 18, Payment Terms	9	Payment	Payment Amount and Timelines	Submission and Approval required for Payment	First Payment – 100% along with the PO. Interest will be paid as per MCLR only if paid in advance. Or																
						Clause Modified , may kindly refer to Sr No 2 in Addendum 1																
						Clause Modified , may kindly refer to Sr No 3 in Addendum 1																

Sr No	Clause no	Page No	RFP Reference			Query/ Suggestions provided by bidders	Response
			First payment	50% of the Contract Value on issuance of Purchase Order	<p>Submission of Bank Guarantee equal to 100% of the Total advance payment/ mobilization advance.</p> <p>Contractor shall also liable to pay interest to the Authority against the advance payment/ mobilization advance given to contractor. The interest payable to Authority shall be applicable from the date of payment of advance payment/mobilization advance.</p> <p>As and when the advance payment/ mobilization advance is adjusted against the delivery of</p>	50 % in advance and balance full value of the vehicle within 5 days of delivery	

Sr No	Clause no	Page No	RFP Reference			Query/ Suggestions provided by bidders	Response
					buses, the interest liability shall be reduced on such amount as adjusted. The applicable rate of interest shall be based on the Marginal Cost Lending Rate (MCLR) of State Bank of India as applicable from time to time.		
			First part of payment for Balance Amount	25% of the Value of Buses delivered within 30 days of the provisional receipt certificate as per clause 11 of the GCC	Submission of required documents (such as Challan etc.) and invoice by the Contractor.		
			Second part of payment for	25% of the Value of Buses delivered within 30 days of dated of the final	Issuance of final acceptance certificate by the Authority		

Sr No	Clause no	Page No	RFP Reference			Query/ Suggestions provided by bidders	Response
			Balance Amount	acceptance certificate as per Clause 13 of the GCC			
4.	Part E: Instructions to Bidders, Clause No 1.2 (d) Spares and Aftersales services	16	The Bidder shall confirm adequate availability of spare parts and after sales services in India for the Buses offered in the bid by furnishing an undertaking on their official letter head. The contractor shall also submit one set of the Warranty Policy/Manual, service manuals and spare parts catalogue along with the printed price list/rate list of each spare part as Annexure 8 of RFP.			To be provided with the vehicle	Clause Modified , may kindly refer to Sr No 4 in Addendum 1
5.	Part E: Instructions to Bidders, Clause No 1.2 (e) , (i), (cc) Transit Insurance	16	The Authority shall advise Successful Bidder within 30 days of arrival of Buses at destination, regarding any loss/ damage etc. of Buses and it shall be the responsibility of Successful Bidder to lodge necessary claim on the carrier and/ or insurer and pursue the same. The Successful Bidder shall, however, at his own cost replace/ rectify Buses that are lost/ damaged to the entire satisfaction of the Authority, within 30 days from the date of dispatch of intimation from the Authority, without waiting for settlement of the claim.			The Authority shall advise Successful Bidder at the time of taking delivery / arrival of Buses at destination, regarding any loss/ damage etc. of Buses	No Change
6.	SCHEDULE 2: INSPECTION PLAN, Material inspection,	44	MATERIAL INSPECTION: 1.1 QUALITY OF MATERIAL: 1.1.1 The materials to be used in manufacturing of buses shall conform to the specified Bureau of Indian Standards (BIS)/ Automotive Industry Standards (AIS) surpassing.....			Suggested to delete	No change

Sr No	Clause no	Page No	RFP Reference	Query/ Suggestions provided by bidders	Response
7.	PART G: TECHNICAL SPECIFICATION FOR – BRTS Amritsar Buses Point 4	78	Complete Bus has to be type approved from the approved test agency under CMVR as per specifications laid herein before any proto type is given to <i>PBMS</i> .	Complete Bus has to be type approved from the approved test agency under CMVR as per specifications laid herein and all certificates to be provided within 4 months of approval of Prototype	No change
8.	Annexure 2: General Information of the Bidders	82	Quality Management System Certification (e.g. ISO: 9001-2000)	Optional, if QMS & EMS certificates are provided.	No change
9.	Annexure 2: General Information of the Bidders, List of Documents/Items required along with Annexure 2	83	Copies of Type Approval of Complete Bus, Aggregates/ Safety Critical Items as applicable.	Requested to Delete this requirement. The Copies of Type Approval of Complete Bus, Aggregates/ Safety Critical Items as applicable to be provided within 4 months from date of approval of Prototype	No change
10.	SCHEDULE 5: GENERAL CONDITIONS OF CONTRACT	57	Authority shall issue Provisional Receipt Certificate within three working days of receipt of Bus (es) in good conditions along with valid required documents at Chandigarh. The Provisional Receipt Certificate	-----	Clause Modified , may kindly refer to Sr No 5 in Addendum 1

Sr No	Clause no	Page No	RFP Reference	Query/ Suggestions provided by bidders	Response
	(GCC), Clause 11, Provisional Receipt Certificate		issued by the Authority shall not be considered the Acceptance of the Buses received.		
Technical Queries and it's response					
11.	Annexure 17 – Technical Specifications , Point no. 7.1	106	Front Suspension System – Air bellows – 2 numbers	Wevellar Suspension	No change
12.	Annexure 17 – Technical Specifications , Point no. 14.1	106	Type of Doors – Preferably in-swing in front with option of jack knife and double jack knife in rear door	Front and rear door, jack knife doors only	No change
13.	Annexure 17 – Technical Specifications , Point no. 14.4.2 g	106	Positioning Gates/ Location of partition	Vertical centre line of partition maximum 5800 mm and minimum 4300 mm from the front edge of bus; (Purchaser to specify preferred distance as per their BRT facility)	No change
14.	Annexure 17 – Technical Specifications , Point no. 18.7	106	Handholds - Colour contrasting and slip resistant. 2 to 4 numbers. Handholds per bay. Rest as per AIS 052	Vertically fitted, Stainless steel tubing with color contrasting and slip resistant. 40 mm diameter & 3.15 mm thick. Rest as per AIS 052	No change
15.	Annexure 17 – Technical Specifications	106	Stanchions: Vertically fitted, aluminium tubing with Colour contrasting and slipresistant. 40 mm dia & 3.15 mm thick. Rest as per AIS 052. As an alternative	Vertically fitted, Stainless steel tubing with color contrasting and slip resistant. 40 mm diameter & 3.15 mm thick. Rest as per AIS 052	No change

Sr No	Clause no	Page No	RFP Reference	Query/ Suggestions provided by bidders	Response
	, Point no. 18.8		to stanchions mounted on bus floor, stanchions mounted on top of seat frames (new version seats) be explored (refer figure-2).		
16.	Annexure 17 – Technical Specifications , Point no. 18.10	106	High visibility bell pushes/pully chord/touch tape shall be fitted at a height of 1.2 meter on all alternate stanchions mainly for persons with disabilities. (optional)	Vertically fitted, Stainless steel tubing with color contrasting and slip resistant. 40 mm diameter & 3.15 mm thick. Rest as per AIS 052	No change
17.	Annexure 17 – Technical Specifications , Point no. 19.1, a	106	Type of window - Sliding type window panes except AC bus	Rubber mounted fixed glass windows for better AC performance	No change
18.	Annexure 17 – Technical Specifications , Point no. 3.1	106	Engine Horsepower and torque	Min. Engine horsepower of 250HP Min. Engine torque of 1000Nm.	No change
19.	Annexure 17 – Technical Specifications , Point no. 3.1, b and c	106	Acceleration (meter/sec ²) Attain bus speed of 0-30 kmph in Seconds	0.9 m/s ² 9 secs	No change
20.	Annexure 17 – Technical Specifications , Point no. 5.0	106	Clutch (where applicable)	To be deleted as requirement is for automatic gear box	No change
21.	Annexure 17 – Technical Specifications , Point no. 7	106	Suspension system	Full Air suspension with ECAS mandatory.	No change

Sr No	Clause no	Page No	RFP Reference	Query/ Suggestions provided by bidders	Response
22.	Annexure 17 – Technical Specifications , Point no. 7.2	106	Rear Air Bellows -2/4 numbers	4 Numbers Bellows & shock absorber at the Rear.	No change
23.	Annexure 17 – Technical Specifications , Point no. 7.5	106	Shock absorbers Hydraulic double acting 2 at front & 2/4 at rear	4 Shock Absorber at the Rear	No change
24.	Annexure 17 – Technical Specifications , Point no. 8	106	Braking system - Dual circuit full air brakes, Graduated hand controlled, spring actuated parking brakes acting on rear with Anti-skid anti brake locking system (ABS)	All Disc Breaks with ABS	No change
25.	Annexure 17 – Technical Specifications , Point no. 13.4, a	106	Minimum Axle clearance (mm) 190 mm	175 mm As per Revised UBS 2 Specs	Clause Modified , may kindly refer to Sr No 6 in Addendum 1
26.	Annexure 17 – Technical Specifications , Point no. 14.1	106	Type of doors Preferably in-swing in front with option of jack knife and double jack knife in rear door	In-Swing Type with Sensitive Edge Technology.	No change
27.	Annexure 17 – Technical Specifications , Point no. 14.2.a	106	Front service doors (refer "A" in fig -1) - (near side/non-driver side) Minimum door aperture (without flaps) in mm, 800mm	1200mm	No change
28.	Annexure 17 – Technical Specifications	106	Rear service doors -refer "C" in figure 1 (near side/non-driver side); steps required for non BRTS operations, steps not required for level boarding	To be deleted	No change

Sr No	Clause no	Page No	RFP Reference	Query/ Suggestions provided by bidders	Response
	, Point no. 14.3.2				
29.	Annexure 17 – Technical Specifications , Point no. 14.4 and 14.4.1	106	Entry/Exit door between wheels (near side/non driver) Entry/Exit door; refer "B" in figure 3– between wheels (near side/non driver side) ; steps required for non BRTS operations; steps not required for level boarding	To be deleted	No change
30.	Annexure 17 – Technical Specifications , Point no. 14.8	106	Ramp for wheel chair at the gates wherever required Sunken type wrap over (manually operated) ramp, for wheel chair of PwDs, fitted on floor at gate in front of PwD seat anchorage. Suitable design mechanism for 650/900mm floor height considering that floor level of bus stops are at 400mm	To be deleted	No change
31.	Annexure 17 – Technical Specifications , Point no. 14.8	106	Emergency doors/exits or apertures (Numbers) As per AIS 052	To be deleted	No change
32.	Annexure 17 – Technical Specifications , Point no. 15.5 c	106	Maximum floor slope 6%	As per AIS 052	No change
33.	Annexure 17 – Technical Specifications , Point no. 15.7.1, y, i)	106	Performance & strength requirements of: Driver seat, as per AIS 023	3 Way adjustable driver seat with air suspension. Meeting AIS 023 requirements	No change
34.	Annexure 17 – Technical Specifications	106	Towing device front/rear	Towing Device Front Only.	No change

Sr No	Clause no	Page No	RFP Reference	Query/ Suggestions provided by bidders	Response
	, Point no. 18.16		Heavy duty 1.2 times (minimum) the kerb weight of the bus with 30° of the longitudinal axis of the bus. As per CMVR & IS 9760 - ring type		
35.	Annexure 17 – Technical Specifications , Point no 19.2	106	Cabin luggage carrier As per AIS 052	To be deleted.	No change
36.	Annexure 17 – Technical Specifications , Point no 21.1	106	Air circulations and ventilation in driver's area Drivers work area to be provided with blower or suitable device (200 mm diameter fan) to ensure proper ventilation. These devices may be capable of 3 – speed adjustment	Drivers work area to be provided with blower or suitable device (200 mm diameter fan) to ensure proper ventilation.	No change
37.	Annexure 17 – Technical Specifications , Point no 21.2	106	Maximum noise levels inside the saloon (irrespective of AC, non-AC/fuel type/engine location)-test procedure as per AIS 020 84 dba	81dBA to be made applicable as on 1st April 2016	No change