



All India Institute of Medical Sciences, Bilaspur
Himachal Pradesh- 174037

Ref No of GeM Bid No. BID NO: GEM/2024/B/5435263

Bid issue Date: 27-09-2024

Name of the Bid: E - Tourist Vehicle Passenger

Representation: GEM Portal

S. No.	ERM/SPECIFICATION ASKED	CLARIFICATION ASKED	Amendment/Response
1	As per additional terms & conditions (ATC) point no.: - 18 sub point no.5 CMC post warranty up to 5 yr. (bidder needs to quotes the prices of the CMC separately)	Please clarify us the ATC specifies that the CMC price needs to be quoted separately. However, the platform does not have a dedicated column for uploading the CMC price. Please confirm whether we need to consider the CMC prices in the product prices that we will quote on gem or there will be a separate demand that will be asked from the L1 bidder after award of the contract.	CMC rates should be included in the product price and vendor has to submit the breakup of base price and year wise CMC price with financial bid .
2	As per ATC point no. 20 comprehensive maintenance service for next 5 years for the offered products at the rate not more than 5 % of contract price per annum.	Battery should be excluded from CMC part... As replacement costs for lithium-ion batteries in electric vehicles can be substantial, often reaching 50% of the vehicle's overall value. This makes it difficult to include battery replacement within standard comprehensive maintenance contracts (CMC). Additionally, lithium-ion batteries have a nominal lifespan of 3-5 years, after which they may require replacement	Battery replacement is excluded from CMC. However maintenance and testing of the battery will be the part of CMC.
3	As per technical specification 100 ah battery capacity is required	Please increase battery capacity to minimum 150 ah form 100 ah as these are used with 7.5 kw motor power. As our representative's visit to the pre-bid meeting likely discussed the specific requirements for a high-power motor capable of operating on hilly terrain. Given the challenging conditions, the motor will need to deliver sufficient torque and power to overcome gradients and maintain speed. Both torque and power will consume more battery/energy during the run.	Accepted

Tafim
Dr. Naveen

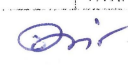
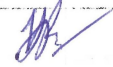
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E-Vehicle 8 Seater Specification

	Specification	Value
Generic Parameters	Type of E-Vehicle	Fully Electric, Battery Operated, Motor Driven with regeneration
	The vehicle Must Fabricated from Good Quality Steel Properly Painted to avoid Rusting for more than 5 Years.	Yes
	Name and Grade of Steel from which vehicle Body Framed as per IS:2062 (Latest)	MS
	Kerb Weight (Kg)	800
	Laden Weight (Kerb Weight + Loading Capacity including driver, passenger, and luggage) (kg)	1400
	Run Distance (for a Full Charge of Battery, to be tested with full load at maximum AIS-040))	100 km
	Power Transmission from Motor Shaft to Wheels	Direct Mounting
	If others, please Specify the Mechanical Mechanism otherwise Put NA	NA
	Material of the roof of BOV	Combination of fiber glass with good quality metal
	If others please specify the material Otherwise put NA	NA
	Thickness of Material of Sheet used for Roof of vehicle (mm)	5
	Type of Battery as per AIS-048	<u>Lithium Ion</u>
	Battery Bank Voltage, Nominal capacity	Min. 48v 100 Ah or as per manufacturer design
	Nominal Filled Weight of the Battery (Kg)	46 kg
	Motor Controller (Must Suitable for starting, accelerating, decelerating, driving, and stopping of E Vehicle	YES
	Battery Charger	220,230V nominal input voltage, high efficiency type
	Charging Current (Amp)	15 Amp
	Type of Motor	AC motor
	Motor Output Power 48V at Full Load	<u>7.5 KW</u>
	Instrument Panel Containing Speedometer and Battery Charging Indicator	Yes
	Numbers for Roof Handles to ease passenger's entry*and Ride	6
	Vehicle Integration, packing of Electrical and electronics wires and devices shall be such that the vehicle can run in rainy Season without any problem	Yes
Seat Must be Good Quality with Proper cushioning	Yes	
Vehicle lighting System	Filament based	
Reverse Gear Facility	Yes	
Service Centre	Should be in 200 km radius from AHMS BHASPUJ (ILP)	

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	Yellow Color reflective tape on Front and Rear Side of the Vehicle	Yes
	Equipped with First Aid Box	Yes
	Equipped with Fire Extinguisher	Yes
	Equipped with Start and Stop Button, parking Lights, back lights with Reverse Gear Facility	Yes
	The Mounting of Batteries in E- vehicles shall be such that they are not displaced from their place and there is no spillage of electrolyte when vehicle is driven on Gradient or any another type of road	Yes
Certification	Seating Capacity (including driver)	8
	Length of vehicle	Max - 4.2 m
	Width of vehicle	1.2 m
Constructional Parameters	Height of vehicle	1.8 m
	Ground Clearance as per AIS: 9435 (mm)	180
	Turning Radius (mm)	Max 5500
	Wheel Base (mm)	2700
	No of Wheels	4
	Size of Front Tyre (mm)	145X80X12
	Size of Rear Tyre (mm)	145X80X12
	Brake type(front) Brake type (rear)	Electromagnetic Braking System with regeneration

	Suspension System (Front)	SHOCKER AND LEAF
	Suspension System (Rear)	SHOCKER AND LEAF
	Maximum Overall Dimensions of the Battery (L x W x H) (mm3)	450X450X450
	Battery Make as per AIS: 048:2009	As per manufacturer of vehicle
	If others please specify the Name of Brand, otherwise put NA (as per AIS :048:2009)	As per manufacturer of vehicle
Performance	Compliance to AIS- 038 for Battery operated vehicles	Yes
	Speed of the e-vehicle (to be tested with Full Load) (kmph)	25
	Battery Warranty	3 YEARS
	No Of Free Service	3 YEARS(Min. 2 per year)
	Compliance of Centre of Gravity of Vehicle as a Compulsory Norms for Safety	Yes

Parameters

Confirming to Applicable Environmental Test	Yes
Noise level must be Low during Operation	Yes
Vehicle Warranty	36 MONTHS

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