

### Bid Document

Bid Details	
Bid End Date/Time	22-07-2020 11:00:00
Bid Opening Date/Time	22-07-2020 11:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence Reseach & Development
Organisation Name	Office Of Dg (ace)
Office Name	*****
Total Quantity	1
Item Category	E-Tourist Vehicle
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	Yes
Inspection Required	No
Estimated Bid Value	550000

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

## E-Tourist Vehicle ( 1 pieces )

### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Generic Parameters	<b>Type of E-Vehicle</b>	Fully Electric, Battery Operated, Motor Driven.	Fully Electric, Battery Operated, Motor Driven.
	Make and Model Number of Tourist E-Vehicle	-	*
	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)	-	*
	<b>Kerb Weight</b>	670	670.0
	<b>Laden Weight ( Kerb Weight + Loading Capacity including driver , passenger , and luggage) (kg)</b>	1350	1350.0
	<b>Run Distance (for a Full Charge of Battery , to be tested with full load at maximum AIS-040 ))</b>	70	70.0
	<b>Power Transmission from Motor Shaft to Wheels</b>	Direct Mounting	Direct Mounting
	If others, please Specify the Mechanical Mechanism otherwise Put NA	-	*
	<b>Material of the roof of BOV</b>	Fibre glass of good quality	Fibre glass of good quality
	If others please specify the material Otherwise put NA	-	*
	Thickness of Material of Sheet used for Roof of	3	*

vehicle		
<b>Type of Battery as per AIS-048</b>	Lead Acid	Lead Acid
<b>Capacity of the Battery approved by ICAT/ARAI (Ah)</b>	165	165
<b>Battery Bank Voltage ,Nominal</b>	48	48.0
<b>Nominal Filled Weight of the Battery</b>	168	168.0
Motor Controller ( Must Suitable for starting, accelerating, decelerating, driving , and stopping of E Vehicle	-	*
Battery Charger	220/230V nominal input voltage, high efficiency type	*
Charging Current	20	*
<b>Type of Motor</b>	Brushless DC Motor	Brushless DC Motor
<b>Motor Output Power ,48V at Full Load</b>	2000	2000.0
Instrument Panel Containing Speedometer and Battery Charging Indicator	Yes	*
<b>Overall Efficiency of the e-vehicle ( to be tested at Full Load with maximum speed as per Concerned AIS standards (%)</b>	90	90
Gradeability of e-vehicle , 30 Gradient -Start and Move with a speed of 5kmph or above 70 Gradient - ability to start and Move ( to be tested at full procedure as per AIS -003 Load (degree)	Yes	*
Glass Windshield with wiper motor as approved by ICAT/ARAI	Yes	*
Numbers for Roof Handles to ease	5	*

	passengers entry and Ride		
	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	*
	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	*
Certification	Vehicle Certification from VRDE, ICAT, ARAI	No	*
	Vehicle Certification Number and Date	-	*
	If No, Vehicle Certification from Others Agency ,Name of the Agency and Certificate number with date	-	*
Constructional Parameters	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 aother type of road	Yes	*
	<b>Seating Capacity (including driver)</b>	6	6
	<b>Length of vehicle</b>	4170	4.17

	<b>Width of vehicle</b>	1200	1.2
	<b>Height of vehicle</b>	1800	1.8
	<b>Ground Clearance as per IS : 9435</b>	180	180.0
	<b>Turning Radius</b>	4500	4500.0
	<b>Wheel Base</b>	3140	3140.0
	No of Wheels	4	*
	Size of Front Tyre (mm)	-	*
	Size of Rear Tyre (mm)	-	*
	Brake Type ( Front )	-	*
	Brake Type ( Rear )	-	*
	Suspension System ( Front)	-	*
	Suspension System ( Rear )	-	*
	Maximum Overall Dimensions of the Battery ( L x Wx H ) (mm3)	-	*
	<b>Battery Make as per AIS :048:2009</b>	Others	Others
	If others please specify the Name of Brand ,Otherwise put NA (as per AIS :048:2009)	-	*
Performance Parameters	Compliance to AIS- 038 for Battery operated vehicles	Yes	*
	Compliance to CMVR rules	Yes	*
	<b>Speed of the e-vehicle (to be tested with Full Load ) (kmph)</b>	25	25
	Battery Warranty	1	*
	No Of Free Service	4	*
	Compliance of Centre of Gravity of Vehicle as a Compulsory Norms for Safety	Yes	*
	Confirming to Applicable Environmental Test	Yes	*
	Noise level must be Low during Operation	Yes	*

Warranty	12	*
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\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

### Additional Specification Documents

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	*****	*****PUNE	1	120

### Bid Specific Additional Terms and Conditions

1. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
2. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
3. Preference to Make In India products (for bids greater than 200 Crore) (can also be used in Bids less than 200 Crore but only after exemption by competent authority as defined in Deptt of Expenditure OM dated 28.5.2020): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document 50%. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
4. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
5. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
6. Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and

Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid

[This Bid is also governed by the General Terms and Conditions](#)

**---Thank You---**