

Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 14:00:00
Bid Opening Date/Time	20-07-2020 14:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence
Organisation Name	Indian Air Force
Office Name	*****
Total Quantity	1
Item Category	e rickshaw for carrying goods
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

E Rickshaw For Carrying Goods (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Certification Parameters	Vehicle Certification	ICAT	ICAT
	Vehicle Certification Number and Date	-	*
	If Vehicle Certification from Others Agency ,Name of the Agency otherwise put NA	-	*
Generic Parameters	Type of E Cart	Fully Electric, Battery Operated Motor Driven for Carrying Goods	Fully Electric, Battery Operated Motor Driven for Carrying Goods
	Model Number of E-Cart	-	*
	Colour of E cart	-	*
	The E Cart Must Fabricated From Good Quality Steel properly Painted to avoid Rusting for more than 5 Years,	-	*
	Name and Grade of Steel from which E Cart Body Framed	-	*
	Kerb Weight of E-Cart (kg)	319	350.0, 319.0
	Goods Carrying Capacity (kg)	310	310.0
	Run Distance (for a Full Charge of Battery , to be tested with full load at maximum AIS-040 (km)	80	80
	Type of Chassis for E cart	-	*
	Ground Clearance as per IS : 9435	185	185
	Wheel Base (mm)	2200	2200.0
	Turning Radius (mm)	2250	2250.0
	Power Transmission from Motor Shaft to Wheels	Direct Mounting	Direct Mounting
	Please Specify the Mechanical Mechanism otherwise Put NA	-	*
	Type of Battery as per AIS-048	Lead Acid , EV Grade , Tubular Deep	Lead Acid , EV Grade , Tubular Deep

		Discharge	Discharge
	Capacity of the Battery approved by ICAT/ARAI (Ah)	130	130
	Battery Voltage ,Nominal	48V	48V
	Maximum Overall Dimensions of the Battery (L x Wx H)(mm3)	-	*
	Nominal Filled Weight of the Battery (kg)	136	136.0
	Motor Controller (Must Suitable for starting, accelerating, decelerating, driving , and stopping of E Cart	-	*
	Battery Charger	220/230 V Nominal Input Voltage , High Efficiency Type	220/230 V Nominal Input Voltage , High Efficiency Type
	Charging Current (A)	15	15
	Type of Motor	Brushless DC Motor	Brushless DC Motor
	Motor Output Power ,48V/60V at Full Load (watt)	1540	1540
	Overall Efficiency of the E Cart to be tested at Full Load with maximum speed as per Concerned AIS standards (%)	85	85
	Gradeability of E-cart to be tested at full procedure as per AIS -003 Load (Degree)	20	20
	Thickness of Material of Sheet used for Roof of E-Cart (mm)	2	2
	Material of the roof of E-Cart, if Enclosed Otherwise Put NA	Fibre Glass of Good Quality	Fibre Glass of Good Quality
Constructional Parameters	Seating Facility Front	For Driver only	For Driver only
	Length of E -cart as per Gazette	2.8	2.8

Notification by Ministry of Road and Transport Oct , 2014 (metres)		
Width of E -Cart as per Gazette Notification by Ministry of Road and Transport Oct, 2014 (meters)	1	1
Height of E -Cart as per Gazette Notification by Ministry of Road and Transport Oct , 2014 (meters)	1.8	1.8
Dimensions of the cabin Provided for Transport of Goods (mm x mm x mm) (mm3)	-	*
Size of Front Tyre (mm)	-	*
Size of Rear Tyre (mm)	-	*
Brake Type (Front)	-	*
Brake Type (Rear)	-	*
Suspension System (Rear)	-	*
Suspension System (Front)	-	*
Reverse Gear Facility	Yes	Yes
The Mounting of Batteries	Yes	Yes
Vehicle lighting System	Filament Type	Filament Type
Instrument Panel Containing Speedometer and Battery Charging Indicator	Yes	Yes
Glass Windshield with wiper motor as approved by ICAT/ARAI	No	No
Battery Make as per AIS :048:2009	others	others
If others please specify the material Otherwise put NA	-	*

	Equipped with Start and Stop Button, parking Lights , Back lights with Reverse Gear Facility	Yes	Yes
	Equipped with Fire Extinguisher	Yes	Yes
	Equipped with First Aid Box	No	No
	Yellow Color reflective tape on Front and Rear Side of the E Cart	Yes	Yes
	E Cart Integration ,	Yes	Yes
	Type of Cabin used for Transportation of Goods	Open	Open
	If others please specify the Name of Brand ,Otherwise put NA(as per AIS :048:2009)	-	*
Performance Parameters	Speed of the E-Cart as per CMVR -2014 with latest amndmt (to be tested with Full Load) (kmph)	22.21	22.21
	Battery Warranty in years (Years)	1	1.0
	No. Of Free Service	1	*
	Compliance of Centre of Gravity of E Cart as a Compulsory Norms for Safety	Yes	Yes
	Confirming to Applicable Environmental Test	Yes	Yes
	Noise level must be Low during Operation	Yes	Yes

* 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	*****	*****CHANDIGARH	1	30

Bid Specific Additional Terms and Conditions

- Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

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

---Thank You---