

Bid Document

Bid Details	
Bid End Date/Time	25-07-2020 14:00:00
Bid Opening Date/Time	25-07-2020 14:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	N/a
Office Name	Southern Railway
Total Quantity	4
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
Document required from seller	Certificate (Requested in ATC) *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	No
Inspection Required	Yes
Inspection to be carried out by Buyers own empanelled agency	Yes
Type Of Inspection	Pre Dispatch
Name of the Empanelled Inspection Agency/ Authority	RITES
Estimated Bid Value	722000

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 (4 pieces)**Technical Specifications**

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Certification Parameters	Vehicle Certification	others	VRDE, ARAI, ICAT, others
	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)	365	Any applicable numeric value
	Goods Carrying Capacity (kg)	310	Up to 310
	Run Distance (for a Full Charge of Battery , to be tested with full load at maximum AIS-040 (km)	115	50 - 9999999

Type of Chassis for E cart	-	*
Ground Clearance as per IS : 9435	180	180 - 9999999
Wheel Base (mm)	2140	Any applicable numeric value
Turning Radius (mm)	2400	Any applicable numeric value
Power Transmission from Motor Shaft to Wheels	Direct Mounting	Direct Mounting, Chain, Sprocket Type, Other Mechanical Mechanisms
Please Specify the Mechanical Mechanism otherwise Put NA	-	*
Type of Battery as per AIS-048	Lithium ion	Lead Acid , EV Grade , Tubular Deep Discharge, Lithium ion
Capacity of the Battery approved by ICAT/ARAI (Ah)	100	0 - 9999999
Battery Voltage ,Nominal	48V	48V, 60 V
Maximum Overall Dimensions of the Battery (L x Wx H)(mm3)	-	*
Nominal Filled Weight of the Battery (kg)	96	Any applicable numeric value
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)	40	Any applicable numeric value
Type of Motor	Brushless DC Motor	Brushless DC Motor
Motor Output Power ,48V/60V at Full Load (watt)	1700	850 - 2000
Overall Efficiency of the E Cart to be tested at Full Load with maximum speed as per	90	75 - 100

	Concerned AIS standards (%)		
	Gradeability of E-cart to be tested at full procedure as per AIS -003 Load (Degree)	30	Any applicable numeric value
	Thickness of Material of Sheet used for Roof of E-Cart (mm)	4	0 - 9999999
	Material of the roof of E-Cart, if Enclosed Otherwise Put NA	Fibre Glass of Good Quality	Aluminium, MS, Fibre Glass of Good Quality, Combination of Fibre Glass with good Quality Metal, others
Constructional Parameters	Seating Facility Front	For Driver only	For Driver only
	Length of E -cart as per Gazette Notification by Ministry of Road and Transport Oct , 2014 (metres)	2.8	Up to 2.8
	Width of E -Cart as per Gazette Notification by Ministry of Road and Transport Oct, 2014 (meters)	1	Up to 1
	Height of E -Cart as per Gazette Notification by Ministry of Road and Transport Oct , 2014 (meters)	1.7	Up to 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, LED Based, LCD Based
	Instrument Panel Containing Speedometer and Battery Charging Indicator	Yes	Yes
	Glass Windshield with wiper motor as approved by ICAT/ARAI	Yes	Yes, No
	Battery Make as per AIS :048:2009	Exide	Okaya, Exide, Ceil, Amaron, 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, No
	Equipped with First Aid Box	Yes	Yes, 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, Closed
	If others please specify the Name of Brand ,Otherwise put NA(as per AIS :048:2009)	-	*
Performance Parameters	Speed of the E-Card as per CMVR -2014 with latest amndmt (to be tested with Full Load) (kmph)	25	20 - 25
	Battery Warranty in years (Years)	3	1, 2, 3

No. Of Free Service	3	*
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	N R Sridhar	635851,Office of the Additional Divisional Mechanical Engineer - JTJ Jolarpettai, Vellore 635851 Southern Railway Tamil Nadu,	2	60
2	Venugopal Palkurthy	600019,Office of Divisional Mechanical Engineer,CWS, ,Tondiarpet Marshalling Yard,Southern Railway Tondiarpet Chennai- 600019, Chennai, 600019	2	60

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
2. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
3. **Nominated Inspection Agency:** On behalf of the Buyer organization, any one of the following Inspection Agency would be conducting inspection of stores before acceptance: Pre-dispatch Inspection at Seller Premises (applicable only if pre-dispatch inspection clause has been selected in ATC): inspection by rites
Post Receipt Inspection at consignee site before acceptance of stores: by consignee

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

---Thank You---