

Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 11:00:00
Bid Opening Date/Time	27-07-2020 11:30:00
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	Eastern Railway
Total Quantity	40
Item Category	Emergency lighting and accessories (Portable Emergency Lighting System Tower type with Battery Bank
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), 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

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Emergency Lighting And Accessories (Portable Emergency Lighting System Tower Type With Battery Bank (40 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Portable emergency lighting system consisting Rechargeable Battery Bank , Charging unit with charging cables, , Mobile (from vehicle) charging kit and cables, Tower/Telescopic collapsible mast/Vertical mast, LED Luminaire, Supporting kits, Tool Kits,	Yes	*
	Type of battery	Rechargeable	*
	Chemistry of battery	Lithium ion	Lithium ion
	Battery capacity (minimum)	12 Ah	12 Ah
	Minimum continuous working hours	2 hours	2 hours
	Minimum System Lumens	5000	5000
	IP rating of LED Luminaire	IP66	IP66
	Ruggedised Storage Box for main equipment	Yes	*
TOWER CONSTRUCTION	Minimum height of Tower/telescopic collapsible mast/Vertical Mast with light source (in meters from base ground level)	2 metre	2 metre
	Material of Tower/lelescopic/Vertical Mast	Mild steel	Mild steel
	Minimum thickness of Tower/lelescopic collapsible mast/Vertical Mast material (+/-5%)	3 mm	3 mm
	Method of step up and step down of Tower/lelescopic/Vertical Mast	Winch mechanism	Winch mechanism
	Step up and step down time of Tower/lelescopic/Vertical Mast	<=30 sec	*
	The strength of the Tower/telescopic collapsible mast/Vertical Mast tower is to provide support for it to remain erect at wind speed of	20 Km/hr	20 Km/hr
BATTERY CONSTRUCTION	Number of battery	1	1
	Battery voltage	12 Volt	*
	Battery bank construction shall have inbuilt charging arrangement with charging cables	Yes	*
	System must have Battery	Yes	*

	charging arrangement with AC power source input and with DC power source input with necessary cables		
	Additional charging cable and kits for battery charging from automobile vehicles (Mobile charging option)	Yes	*
	Warranty card for battery	1 Year	1 Year
	System shall also work on 220/240V, 50 Hz AC supply and for connecting to the mains shall have provision for 15 Amps 3 Pin/2 pin Socket and a suitable lead wire with plugs at both ends	Yes	*
LED LUMINAIRE CONSTRUCTION	LED Luminaire conformity to IS:10322/Part 5/Section 5/2012 latest and IS: 16107 (Part 2/Sec 1):2012 latest	Yes	*
	Photo biological safety of LEDs used shall be as per IS:16108/2012 (exempt group)	Yes	*
	LED Modules as per the IS: 16103(Part-2)/2012	Yes	*
	Luminaire System Efficacy (Lumen/watt)	>= 100 Lm/Watt	*
	LED chip Efficacy	≥130 Lm/Watt	*
	Colour temperature (+/-500K)	6000K	6000K
	Working life for LED (Minimum 50,000 burning hours as per LM-80 report)	>= 50,000 burning hours	*
	Colour Rendering Index(CRI)	≥70	*
	Optic lense material (UV stabilised)	Poly carbonate lense	*
	The Luminaires casing/housing (single piece housing) shall be pressure die casted aluminium alloy with higher thermal conductivity	Yes	*
	The luminaire body must be corrosion resistant powder coated	Yes	*
	All fastners must be of stainless steel	Yes	*
	Protection of the entire housing (both LED section and driver section) as per IS:10322 (Part 1):1982 latest	IP66	IP66
	Extruded silicon loop gasket shall be provided in the lantern body to ensure a weather proof seal between	Yes	*

	the UV Glass cover / polycarbonate and the metal housing to exclude the entry of the dust, water, insects etc.,		
	Luminaries light transparency should be of Toughened glass	Yes	*
	Toughened transparent glass / poly carbonate cover thickness	>=4 mm	*
	Toughened Glass / polycarbonate shall not get discoloured shall not suffer degradation due to heat and ageing within warranty period	Yes	*
	Heat sink should be die-cast aluminium along with sufficient heat sink fins to dissipate heat effectively	Yes	*
	Operating temperature range	-20 deg. C to +50 deg. C	-20 deg. C to +50 deg. C
	"Manufactures Name and brand on the aluminium die cast body "	Engraved/Embossed	*
	Date of manufacture (month-year), and lot number as identification mark inside each unit and the outside of each packaging box	Yes	*
REPORTS AND CERTIFICATION	Availability of type test reports from Central Government Laboratory/NABL Accredited/ILAC Laboratory for complete Portable emergency lighting system including for Engine, Alternator and Luminaires as per relevant IS specifications as applicable	Yes	*
	Luminaire System must have EMI/EMC compliance as applicable (Test reports shall be furnish on demand by buyer/consignee)	Yes	*
	Availability for LM 79 (Photometry) (Ref.IS:16106:2012) report from Central Government /NABL/ILAC accredited lab. (Reports shall be furnish on demany by buyer /Consignee)	Yes	*
	Availability of LM 80 & TM 21 (Ref. IS:16105:2012) Report and Photo biological report for LED report from Central Government /NABL/ILAC accredited lab. (LM-80 report shall have the	Yes	*

	Pohoto Biological report of the LED Chip being used in the luminaire		
	LED Luminaire shall have Complusory Registration(CRS) of BIS for safety as per IS 10322 (Part 5/Section 5): 2012 or as applicable for portable emergency lighting system as on date	Yes	*
	Total Weight of complete system (Must declare) in Kg	</=5 Kg	*
	Warranty for complete system	1 Year	1 Year
	Storage battery shall have Complusory Registration(CRS) of BIS as per IS 16270 : 2014 as applicable as on date	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	Prakash Chand Meena	711101,DRM Building Eastern Railway Howrah	40	45

Bid Specific Additional Terms and Conditions

- 1.Procurement under this bid is reserved for purchase from Micro and Small Enterprises whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the reservation benefit, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service.
- 2.Purchase preference to Micro and Small Enterprises (MSEs) from the State of Bid Inviting Authority : Purchase preference will be given to MSEs as Micro and Small Enterprises from the State of Bid inviting Authority whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15 % of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 20% of total value as defined/ decided in relevant policy.
- 3.Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 20% of total value.
- 4.Scope of supply (Bid price to include all cost components) : Only supply of Goods

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

---Thank You---