

### Bid Document

| Bid Details  |   |
|--|---|
| Bid End Date/Time                                      | 20-07-2020 18:00:00   |
| Bid Opening Date/Time                                  | 20-07-2020 18:30:00   |
| Bid Life Cycle (From Publish Date)                     | 90 (Days)   |
| Bid Offer Validity (From End Date)                     | 30 (Days)   |
| Ministry/State Name                                    | Ministry Of Railways  |
| Department Name  | Na  |
| Organisation Name                                      | N/a   |
| Office Name  | Eastern Railway   |
| Total Quantity   | 3450  |
| Item Category  | Light Emitting Diode LED Fixture- LED tube light  |
| 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<br>*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                                    | No  |

### EMD Detail

|          |    |
|----------|----|
| Required | No |
|----------|----|

### ePBG Detail

|          |    |
|----------|----|
| Required | No |
|----------|----|

### Splitting

Bid splitting not applied.

## Light Emitting Diode LED Fixture- LED Tube Light ( 3450 pieces )

### Technical Specifications

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

| Specification  | Specification Name  | Values             | Bid Requirement (Allowed Values) |
|----------------|---|--------------------|----------------------------------|
| GENERIC        | <b>Led tube light power rating corresponding Min Luminous flux</b>  | 20 Watt/2000 lumen | 20 Watt/2000 lumen               |
|                | <b>Colour Temperature (K)</b>   | 6500               | 6500                             |
|                | <b>Warranty for free replacement (Years)</b>  | 5 Years            | 5 Years                          |
| CONSTRUCTIONAL | Type of Tube Light Cap  | G-13 Bi-pin        | *                                |
|                | Ingress Protection in IP  | IP 20              | *                                |
|                | <b>Lamp Shell material</b>  | Polycarbonate      | Polycarbonate                    |
|                | LED Fixture With Al back, front with polycarbonate/Acrylic diffuser more than 85%efficiency of lig  | With               | *                                |
|                | Light Source  | SMD LED Chip       | *                                |
|                | LED Make  | -                  | *                                |
|                | Length of tube light (Nominal) (in mm)  | 1220               | *                                |
| FUNCTIONAL     | LED lamp efficacy (Lm/W)  | 100                | *                                |
|                | Colour Rendering Inde (CRI)   | > / = 80           | *                                |
|                | Total Harmonics (%)   | < / = 15%          | *                                |
|                | LED Tubelight Life of 25000 hours predicted as per TM21 Report on Data obtained as per test conducted for 6000 hours as per LM80  | Yes                | *                                |
|                | Temperature Cycling test and supply voltage switching test (1) product shall be subjected to minus 10 degree C for 1 hour then switch to 50 degree C for 1 hour in total 5 cycles (2)30 sec | Yes                | *                                |

|                |  |                  |   |
|----------------|--|------------------|---|
|                | ON and 30 sec Off At the end of test as per (1) and (2) no visual damage shall be observed and light should alight for more than 15 min after the test |                  |   |
|                | Beam Angle (Degree)  | > / = 120 degree | * |
|                | Operating Voltage range (Volt)   | 100-300          | * |
|                | Driver Efficiency (%)  | more than 85%    | * |
|                | Surge Voltage withstand (KV)   | 2.5 KV           | * |
|                | LED Chip Efficacy (Lm/W)   | 130              | * |
|                | Rated Voltage for Performance and life (Volt)  | 220-240          | * |
|                | Lumen Maintenance at 25 deg;C after 6000 hrs (%)   | 80%              | * |
|                | LED Chip Wattage (Individual) (Watt)   | 0,25             | * |
|                | Power Factor   | > / = 0.9        | * |
| CERTIFICATIONS | BIS Registration certificate under (CRS) number and date   | -                | * |
|                | Certificare for Luminaire photometric data as per LM79   | Yes              | * |
|                | Certificate No and Date of Luminaire photometric data as per LM 79 report  | -                | * |
|                | Compulsory Registration and CRS of BIS for safety to IS 10322 Pt 5 Sec 1 2012  | Yes              | * |
|                | EMC Test   | 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     | BHAGABAN<br>CHANDRA JENA    | 811214,Dy CEE<br>Office,Eastern Railway<br>Jamalpur Locomotive<br>Workshop,Jamalpur,Dist<br>Munger, Bihar | 3450     | 30            |

**Special terms and conditions for category Light Emitting Diode LED Fixture- LED tube light**

1. LED Tube Light with Fixture includes its complete fittings

**Bid Specific Additional Terms and Conditions**

1. Scope of supply (Bid price to include all cost components) : Only supply of Goods
2. **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: Consignee

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

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