

### Bid Document

Bid Details	
Bid End Date/Time	21-10-2019 11:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Coal
Department Name	Materials Management
Organisation Name	Nlc
Office Name	Materials Management
Total Quantity	300
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
Bid to RA enabled	No

### Light Emitting Diode LED Fixture- LED Tube Light ( 300 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>	2 years	2 years
CONSTRUCTIONAL	Type of Tube Light Cap	G-13 Bi-pin	*
	Ingress Protection in IP	IP 20	*

FUNCTIONAL	<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	*
	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 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	Yes	*
	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	220-240	*

	(Volt)		
	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.

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	SRINIVASAN KALIYAPERUMAL	607807,PERMANENT CENTRAL STORES, NLC INDIA LIMITED, NEYVELI 607807	300	30

#### EMD Detail

Required	No
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#### ePBG Detail

Required	No
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#### Splitting

Bid splitting not applied.

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

1) LED Tube Light with Fixture includes its complete fittings

### **Buyer Specific Additional Terms and Conditions**

1. Scope of supply (Bid price to include all cost components) : Only supply of Goods
2. ISO 9001: The bidder must have ISO 9001 certification.

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

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