

Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 12:00:00
Bid Opening Date/Time	27-07-2020 12:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Heavy Industries And Public Enterprises
Department Name	Department Of Heavy Industry
Organisation Name	Cement Corporation Of India Limited (cci)
Office Name	Rajban Cement Factory
Total Quantity	35
Item Category	LED Luminaire for High Bay Lighting
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.

LED Luminaire For High Bay Lighting (35 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
STANDARDS	Description of store	LED High Bay Lighting for ceiling suspension type	*
	Safety requirements for	as per IS:15885 (Part	*

	Electronic Control Gear for LED Modules	2/Sec.13)	
	DC or AC supplied electronic control gear for LED modules - Performance requirements	as per IS:16104:2012 latest	*
	Method of Measurement of Lumen Maintenance of solid state light (LED) sources	as per IS:16105:2012 latest	*
	Method of Electrical and Photometric Measurements solid state light (LED) sources	as per IS:16106:2012 latest	*
	LED Luminaire and Module	as per IS:10322/Part 5/Section 1/2012, IS: 16107 (Part 2/Sec 1):2012 -Type-B, and as per IS: 16103(Part-2)/2012 - Type-3 latest	*
	"Photo biological safety of LEDs "	as per IS:16108/2012 (Exempt Group)	*
	Enclosure protection (Ingress Protection)	as per IS/IEC:60529:2001 latest	*
	Comply with BIS CRS for DC or AC Supplied Electronic Control gear for LED Modules	Yes. as per IS:15885 (Part 2/Sec.13)	*
	BIS CRS Number - Must declare	-	*
	Installation and commissioning	No	No
	Scope of installation and commissioning	Not applicable	Not applicable
	RATINGS		
	Rated voltage (in Volts)	240 V, AC	*
	Frequency (in Hz)	50 +/-2Hz	*
	Operating input voltage range (in Volts)	100 to 280	100 to 280
	Luminaire System Wattge (in Watts)	150	150
	LED chip Efficacy (Lumen/watt)	≥ 130	*
	Luminaire System Efficacy - Lumen output - (Lumen/watt)	≥ 120	*
	Color Temperature (CCT) +/- 500 K (in Kelvin)	6000 K	6000 K
	Colour Rendering Index (CRI) (in % age)	≥ 70	*
	Power Factor (PF)	≥ 0.95 at full load	*
	Total Harmonics Distortion (in %age)	≤ 10	*
	Beam angle of light source (in degree)	≥ 120	*
	Junction temperature (in deg. C)	< 85	*

	"Temperature rating of capacitor (in deg. C)	105	*
	LED Life	≥ 50000 Hours	*
	Ingress Protection (IP) Rating of Luminaire (agreed to furnish test certificates to buyer / consignee on demand)	IP 66	IP 66
	Impact resistance (If claimed "Yes" - agreed to furnish test certificates to buyer / consignee on demand)	Yes. IK08 (as per IEC 62262:2002)	Yes. IK08 (as per IEC 62262:2002)
	Minimum operating temperature range (in deg. C)	-10 to 0	-10 to 0
	Maximum operating temperature range (in deg. C)	50	50.0 - 60.0 Or higher
	Humidity - RH (in % age)	10 to 95	*
PROTECTION	Short circuit Protection	Yes	*
	Over load protecton	Yes	*
	Over Voltage protection	Yes	*
	Other protection	Reverse polarity	*
SAFETY	High voltage withstand test between supply terminals and body of the unit	1.5 KV for 1 Minute	*
	Insulation resistance between earth and current carrying part	≥ 100 M ohm	*
	The luminaire shall be protected against surges and transients (Internal)	≥ 5 KV	≥ 5 KV
	The luminaire shall be protected against surges and transients (External)	≥ 10 KV	≥ 10 KV
	Flame/Fire proof compliance (If claimed - agreed to furnish test certificates to buyer / consignee on demand)	No	No
	Other compliacne (If claimed - agreed to furnish test certificates to buyer / consignee on demand)	No	No
CONSTRUCTION	Shape of Luminaire	Round	Round
	Type of mounting	Metallic adjustable Brackets with Eye Bolt	Metallic adjustable Brackets with Eye Bolt
	Installation height range from floor level (in m) - Must declare	15	15
	Lamp housing (single piece housing)	Pressure die cast aluminium alloy	*
	Heat sink along with	Yes	*

	sufficient heat sink fins to dissipate heat effectively		
	Type of coating	Epoxy powder coated	*
	Colour of Luminaire	White	*
	Material of Lamp (Luminaire) cover	Heat Resistant Toughened Glass	*
	Material of all fastners	Stainless Steel	*
	Weather proof gasket	Yes	*
	Optic Lens	No	No
	Luminaire comprises with separate compartment for control gear	Yes	*
	Suitable connector between driver output and LED	Yes	*
	Type of Control Gear	Constant Current	Constant Current
	Number of electronic control gear on each luminaire (power supplies) - (in Nos.)	1	1
	PCB Grade	FR4	*
	Type of LED	SMD LED Chip (surface Mounting Device)	*
	Luminaire fitted with connecting cables for input power	ISI Marked 3 Core cable for input power (Length:250 mm)	ISI Marked 3 Core cable for input power (Length:250 mm)
	Accessories for each luminaire	Metallic adjustable Brackets (Stainless steel),SS Eye Bolts (as per IS:4190:1984 latest),Set of Bolt,Nut, Washers (SS),Die cast aluminium brackets	Metallic adjustable Brackets (Stainless steel), SS Eye Bolts (as per IS:4190:1984 latest), Set of Bolt,Nut, Washers (SS), Die cast aluminium brackets
MARKING	Manufactures Name and brand on the Luminaire body	Engraved/ Embossed	*
	Marking/Identification details on inside of each luminaire and outside of each packing box	Manufacturer's Name,Model Number,Serial Number,Month and year of manufacturing,Voltage,System Wattage	Manufacturer's Name, Model Number, Serial Number, Month and year of manufacturing, Voltage, System Wattage
	Marking/Identification details on each control gear	Manufacturer's Name,Model Number	Manufacturer's Name, Model Number
CERTIFICATIONS	Warranty period (in Months)	24	24, 36, 48, 60 Or higher
	Availability of test reports from Central Govt. Lab/NABL/ILAC accredited laboratory to prove conformity of the specification	No	No
	Test report number and date if claimed "Yes" If No write NA	-	*
	Name and addres of lab (If No test reports write NA)	-	*

Agreed to furnish LM 79 , LM 80 reports from Central Government lab/NABL/ILAC accredited lab	Yes as per IS:16106:2012 latest and as per IS:16105:2012 latest	Yes as per IS:16106:2012 latest and as per IS:16105:2012 latest
Agreed to furnish TM 21 report from Central Government lab/NABL/ILAC accredited lab	Yes	Yes
Agree to furnish Photo Biological report from Central Government lab/NABL/ILAC accredited lab	Yes	*
Agreed to furnish BIS CRS certificate for DC or AC Supplied Electronic Control gear for LED Modules from BIS	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	Neelesh Kumar Tripathi	173029,Cement Corporation of India Ltd., Rajban Cement Factory,Distt. Sirmour(H.P.)	35	15

Bid Specific Additional Terms and Conditions

- 1.Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
- 2.Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
- 3.Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

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

---Thank You---