

### Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 14:00:00
Bid Opening Date/Time	20-07-2020 14:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	70 (Days)
Ministry/State Name	Haryana
Department Name	Police Department Haryana
Organisation Name	Haryana Prisons Panchkula
Office Name	Panchkula
Total Quantity	543
Item Category	LED Luminaire (For Road and Street Lights)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,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

Advisory Bank	State Bank of India
EMD Percentage(%)	5.00
EMD Amount	81722

### ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	10.00
Duration of ePBG required (Months).	3

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

**Beneficiary:**

care taker

Panchkula, Police Department Haryana, Haryana Prisons Panchkula ,  
(Shashi Kumar)

**Splitting**

Bid splitting not applied.

**LED Luminaire (For Road And Street Lights) ( 543 pieces )**

**Technical Specifications**

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
STANDARDS	LED Luminaire conformity to IS:10322/Part 5/Section 3/2012 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	*
	Types of LED Luminaire as per the IS: 16107(Part-2/ Sec.-1)/2012	Type B	*
	Types of LED Modules as per the IS:IS: 16103(Part-2)/2012	Type 3	*
	<b>LED Rating (in Watts)/System Wattage/Rated Power</b>	36W	36W
	Luminaire System	>= 100 Lm/Watt	*

	Efficacy (Lumen/watt)		
	Ingress Protection (IP Rating) as per IS:10322 (Part 1):1982 latest	IP65	*
	<b>Warranty for free replacement (in years)</b>	2	2
ELECTRICAL EFFICIENCY	Input operating Voltage range and frequency	140 to 270 V olts AC at 50 Hz+/-2 with auto cutt off at below 120V	*
	Automatic Higher Cut off voltage above 300 volt	Yes	*
	Rated voltage	230 V AC 50 Hz	*
	AC Power Factor at full load	$\geq 0.95$	*
	Driver Efficiency (in %age) Upto 100W: $\geq 85\%$ , Above 100W: $\geq 90\%$	Yes	*
	Total Harmonics Distortion	$\leq 10$	*
	"The total circuit power shall not be more than 110 percent of the value declared by the manufacturer (as per Cl. 8 of IS:16104:2012 lates)"	Yes	*
OPTICAL	LED chip Efficacy	$\geq 130$ Lm/Watt	*
	Colour temperature	6000+/-500K	*
	Working life for LED (Minimum 50,000 burning hours as per LM-80 and LM 21 reports)	Yes	*
	Colour Rendering Index(CRI)	$\geq 70$	*
	LED Beam Angle	$\geq 120$	*
	Optic lense materal (UV stabilised)	Poly carbonate lense	*
THERMAL MANAGEMENT	Heat sink should be die-cast aluminium along with sufficient heat sink fins to dissipate heat effectively	Yes	*
	Junctiojn / Soldering point temperature shall	Yes	*

	not exceed 85 deg.c as per LM 80 report		
	Capacitor shall be rated for a temperature of 105 deg. celsius or better	Yes	*
	<b>Operating temperature range</b>	-10 deg C to +55 deg C	-10 deg C to +55 deg C
	Operating Humidity Range	10 % to 95% RH	*
PROTECTION	Short circuit Protection	Yes	*
	Over load protecton	Yes	*
	Over Voltage protection	Yes	*
	Reverse polarity	Yes	*
	High voltage test (1.5 KV for one minute between supply terminals and body of the unit)	Yes	*
	Insulation resistance between earth and current carrying part	>100 M Ohm	*
	The luminaire shall be protected against surges and transients ( Internal)	>/=5KV	*
	The luminaire shall be protected against surges and transients of >/=10KV (External)	Yes	*
CONSTRUCTIONAL	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	*

Extruded silicon loop gasket shall be provided in the lantern body to ensure a weather proof seal between the UV Glass cover and the metal housing to exclude the entry of the dust, water, insects etc.,	Yes	*
Luminaries light transparency should be of Toughened glass	Yes	*
Toughned transparent glass cover thickness	>/=4 mm	*
Toughned Glass shall not get discoloured shall not suffer degradation due to heat and ageing within warranty period	Yes	*
<b>Number of electronic control gear (power supplies)</b>	1 No.	1 No.
Light Source	SMD LED Chip as per LM 80/IS16106	*
Driver components shall be industrial grade or above	Yes	*
PCB shall be FR4 grade minimum 0.8 to 1.0 mm thick or more	Yes	*
The Luminaires works on single phase three wires system (Phase, Neutral and Earth)	Yes	*
Suitable connector shall be provided for LED connection between driver output and LED	Yes	*
<b>Length of ISI marked three core wire (shall be provided along with supply of material)</b>	50 cm	50 cm, 100 cm
MARKING	"Manufactures Name and and brand on the aluminium die cast body "	Engraved/Embossed *

	Manufacturer's name, model number, serial number	Yes	*
	Date of manufacture (month-year), and lot number as identification mark inside each unit and the outside of each packaging box	Yes	*
	The operation characteristics voltage and power be marked inside of each LED luminaire unit	Yes	*
	Diameter of pole Luminaire suitable for: (upto 45W Pole OD: shall be 40mm), (>45W<120W Pole OD: Shall be 50 mm), (above 120W: OD shall be 60 mm for which luminaire is suitable	Yes	*
	REPORTS AND CERTIFICATIONS		
	LED Make	OSRAM / NICHIA / CREE / SAMSUNG / SEOUL / LUMILEDS / PHILIPS / SYSKA / LUMENMAX / EVERLIGHT / EDISON / BRIDGELUX / NATIONSTAR / REFOND	*
	System must have EMI/EMC compliance as applicable (Test reports shall be furnish to the buyer / consignee on demand)	Yes	*
	LM 79 (Photometry) (Ref.IS:16106:2012) report from Central Government Lab /NABL/ILAC accredited lab. Reports shall be furnish to the buyer / consignee on demand (LM-79 report shall have total lumen output, power, PF, Current in Amps, CRI & CCT etc.,)	Yes	*
	LM 80 & TM 21 (Ref. IS:16105:2012) Report and Photo biological	Yes	*

	report for LED report from Central Government Lab /NABL/ILAC accredited lab. Reports shall be furnish to the buyer / consignee on demand (LM-80 report shall have the Photo Biological report of the LED Chip being used in the luminaire)		
	Availability of test Report from Central Government Lab /NABL/ILAC accredited lab to Indian Standrad IS:10322/part 5/sec-3/2012 and IS 16107 (Part 2/Sec 1) : 2012	Yes	*
	Seller shall furnish the Type test reports to the buyer / consignee on demand	Yes	*
	DC or AC supplied electronic control gear for LED Module shall comply as per IS:15885 (Part 2/Sec.13)	Yes	*
	LED Luminaire for road and street lighting shall comply with Compulsory Registration(CRS) of BIS for safety as per IS 10322 (Part 5/Section 3): 2012 as applicable 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	Naresh Kumar	125001,Central Jail-2 Hisar	20	30

2	Deepak Sharma	121001,District Jail Faridabad	100	30
3	Lakhbir Singh	133001,Central jail Ambala	18	30
4	Harinder Singh	126102,District Jail Jind	25	30
5	Surender Kumar	124001,DISTRICT JAIL ROHTAK	35	30
6	Rajinder Singh	135001,District Jail Yamunanagar	40	30
7	Sanjeev Kumar	121102,DISTRICT JAIL PALWAL	10	30
8	Satyawan	127046,District Jail Bhiwani	15	30
9	Jai Kishan Chhillar	122107,DISTRICT JAIL GURUGRAM	45	30
10	Devi Dayal	123001,DISTRICT JAIL NARNAUL	10	30
11	Surender Dalal	123401,DISTRICT JAIL REWARI	10	30
12	Satvinder Kumar	131029,DISTRICT JAIL SONEPAT	40	30
13	Sher Singh	132001,DISTRICT JAIL KARNAL	25	30



14	Sanjay Singh	136118,District Jail Kurukshetra	40	30
15	Satyapal Singh Kasania	125001,Central Jail-1 Hisar	45	30
16	Amit Kumar	125055,DISTRICT JAIL SIRSA	20	30
17	Dayanand	124103,District Jail Jhajjar	45	30

### **Bid Specific Additional Terms and Conditions**

1. 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---**