

### 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 Home Affairs
Department Name	Central Armed Police Forces
Organisation Name	Border Security Force (bsf)
Office Name	Aizawl
Total Quantity	40
Item Category	LED surface ceiling 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 *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
Estimated Bid Value	80000

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

### LED Surface Ceiling Light ( 40 pieces )

#### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Certification and Standard	Luminaire Class (as per Cl. 2.1 Section 2 of IS: 10322 (Part-1))	Class I	*
	Types of LED Modules as per the IS: 16103(Part-2)/2012	Type 3	*
	Photo biological safety of LEDs used shall be as per IS:16108/2012 (exempt group)	Yes	*
	Certification if any else write NA	-	*
	DC or AC supplied electronic control gear for LED Module shall comply IS:15885 (Part 2/Sec.13)	Yes	*
	Conformity to Indian Standard	IS:10322-5-2(2012)	*
Technical parameters	Type of fixture	Square	*
	<b>Material</b>	PVC	Aluminium, PVC, Crystal, Ceramic, Chrome
	Color temperature (+/-10%)	6500k	*
	<b>Wattage</b>	15	3 - 30
Constructional	All fasteners must be of nickel/chrome plated	Yes	*
	The luminaire body must be corrosion resistant epoxy powder coated / anodizing	Yes	*
	Mounting type	Surface	*
	Diffuser material	Poly carbonate (UV stabilized)	*
	Mounting Fixture	SS Spring Clip	*
	Ingress Protection (IP Rating) as per IS:10322 (Part 1) latest	IP66	*
	Warranty for free replacement	1	*
Electrical Efficiency Management	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	*
	Total Harmonics Distortion	?15%	*
	Frequency	50	*
	AC Power Factor	? 0.95	*
	Operating Voltage	90	*
	Driver	Powered by an integral electronic driver (SMPS based constant current Supply)	*

Optical Management	Color Rendering Index(CRI)	≥80	*
	Light Color	Cool Day Light	*
	Reflector type	Diffuser	*
	System lumen output	1500	*
	System Luminous flux efficacy (lm/W)	100	*
	Beam Angle	≥120	*
	Working life for LED	50000	*
Thermal Management	Fixture / Luminaire should be die-cast aluminum /CRCA/Extruded aluminum	Yes	*
	Junction temperature / soldering temperature	< 85 deg C	*
	Humidity Range (RH%)	20	*
	Operating temperature range in degree Celsius	-10 to 50	*
Protection	Reverse Polarity	Yes	*
	Over load protection	Yes	*
	High voltage test (1.5 KV for one minute between supply terminals and body of the unit)	Yes	*
	The luminaire shall be protected against surges and transients of ≥2.5 KV	Yes	*
	Short circuit Protection	Yes	*
	Insulation resistance between earth and current carrying part	>100 M ohm	*
Marking	Each LED luminaire shall have the manufacturers name, model number, serial number, date of manufacture/PO No. (month-year), and lot number as identification mark inside each unit and the outside of each packaging box	Yes	*
	The operation characteristics such as rated voltage and rated power in watts shall be marked inside each LED luminaire unit	Yes	*
	Manufactures Name & brand shall available on the body of the Luminaire	Embossed	*
Reports and Certifications	Seller has to furnish Type test report to the buyer on demand	Yes	*
	LM 80 & TM21 (Ref. IS:16105:2012) Report and Photo biological report for LED report from Central Government Lab /NABL/ILAC	Yes	*

	accredited lab. Reports shall be furnish to the buyer on demand		
	LED Make	-	*
	LM 79 (Photometry) (Ref.IS:16106:2012) report from Central Government LAB /NABL/ILAC accredited lab. Reports shall be furnish to the buyer on demand (LM-79 report shall have total lumen output, power, PF, Current in Amps, CRI & CCT etc.,)	Yes	*
	DC or AC supplied electronic control gear for LED Module shall comply as per IS:15885 (Part 2/Sec.13)	Yes	*
	Availability of test Report from Central Government Lab /NABL/ILAC accredited lab to Indian Standard IS:10322/part 5/sec-2/2012 and IS 16107 (Part 2/Sec 1) : 2012	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	Amit Kumar Saini	796025,shq bsf azl durtlang north aizawl mizoram 796025	40	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---