

Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 17:00:00
Bid Opening Date/Time	20-07-2020 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Tamil Nadu
Department Name	Tamil Development And Information Department Tamil Nadu
Organisation Name	Tamil University Thanjavur
Office Name	Thanjavur
Total Quantity	15
Item Category	LED Luminaire (Recessed Luminaire)
Experience Criteria	3 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Past Performance *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
Past Performance	70 %
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.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of years as indicated in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

2. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 70% of bid quantity, in at least one of the last three years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

LED Luminaire (Recessed Luminaire) (15 pieces)

Technical Specifications

* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
STANDARDS	Conformity to Indian Standard	IS:10322/part 5/sec-2/2012 and IS 16107 (Part 2/Sec 1) : 2012 for Recess type	*
	Photo biological safety of LEDs used shall be as per IS:16108/2012 (exempt group)	Yes	*
	DC or AC supplied electronic control gear for LED Module shall comply as per IS:15885 (Part 2/Sec.13)	Yes	*
	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	*
	Rating of Recess type LED Luminaire/System Wattage/Rated Power	36W	36W
	Light Intensity(System	Yes	*

		Lumens) 80 Lm/Watt for 3000 deg K, 90 Lm/Watt for 4000 deg K, 100 Lm/Watt for 6000 deg K		
		Color temeprature (+/- 500 K)	3000 deg K	*
		Type of fixture (in feet)	2x2(30W to 48W)	2x2(30W to 48W)
CONSTRUCTIONAL		Ingress Protection (IP Rating) as per IS:10322 (Part 1):1982 latest (Minimum)	IP20	*
		Mounting type	Recess type	*
		Diffuser material	Poly carbonate (UV stabilised)	*
		The luminaire body must be corrosion resistant epoxy powder coated / anadozing	Yes	*
		All fastners must be of nickel/chrome plated	Yes	*
		Number of electronic control gear (power supplies)	2	*
		Light Source	SMD LED Chip as per LM 80/IS16106	*
		Warranty for free replacement	2 Years	*
ELECTRICAL EFFICIENCY MANAGEMENT		Operating Voltage and frequency range	140V to 280 V at 50 Hz AC	*
		Rated voltage	230 V AC 50 Hz	*
		AC Power Factor	≥ 0.90	*
		Driver Efficiency	≥85	*
		Total Harmonics Distortion (≤ 20% (for upto 20W) (</=10% (for above 20W)	Yes	*
		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 MANAGEMENT		LED chip Efficacy (≥130 Lm/Watt for 6000 deg K, >/=120	Yes	Yes

	Lm/Watt for 4000 deg K, >=110 Lm/Watt for 3000 deg K)		
	Working life for LED : (Minimum 50,000 burning hours as per LM-80 report)	Yes	*
	Colour Rendering Index(CRI)	≥80	*
	Beam Angle	≥120	*
	Reflector type	Diffuser	*
THERMAL MANAGEMENT	Fixture / Luminaire should be die-cast aluminium /CRCA/Extruded aluminium	Yes	*
	Capacitor shall be rated for a temperature of 105 deg. celsius or better	Yes	*
	Junction temperature / soldering temperature	< 85 deg C	*
	Operating temperature range	-10 deg. C to +50 deg. C	*
	Humidity Range	10 % to 95% RH	*
PROTECTION	Short circuit Protection	Yes	*
	Over load protecton	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 of >=2.5 KV	Yes	*
MARKING	Manufactures Name and brand shall available on the body of the Luminaire	Engraved/Embssed	*
	Each LED liminaire shall have the manufacturer's name, model number, serial number, date of	Yes	*

	manufacture (month-year), and lot number as identification mark inside each unit and the outside of each packaging box		
	The operation characteristics such as rated voltage and rated power in watts shall be marked inside each LED luminaire unit	Yes	*
REPORTS AND CERTIFICATIONS	LED Make	Other than EVERLIGHT / EDISON / BRIDGELUX / NATIONSTAR / SEOUL / SAMSUNG / OSRAM / REFOND / NICHIA / CREE / LUMILEDS / PHILIPS / SYSKA / LUMENMAX	*
	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	*
	LM 80 & TM21 (Ref. IS:16105:2012) Report and Photo biological report for LED report from Central Government Lab /NABL/ILAC accredited lab. Reports shall be furnish to the buyer on demand (LM-80 report shall have the Photo Biological report of the LED Chip being used in the luminaire)	Yes	*
	Availability of test Report from Central Government Lab /NABL/ILAC accredited lab to Indian Standrad IS:10322/part 5/sec-2/2012 and IS 16107 (Part 2/Sec 1) : 2012	Yes	*

Seller has to furnish Type test report to the buyer 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 recess type shall comply with Compulsory Registration(CRS) of BIS for safety as per IS 10322 (Part 5/Section 2): 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	Gunasekaran Ramasamy	613010,no.1, vallam road, Tamil University, Thanjavur.	15	15

Bid Specific Additional Terms and Conditions

- 1.Scope of supply (Bid price to include all cost components) : Only supply of Goods
- 2.Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 7 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

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

---Thank You---