

Bid Document

| Bid Details | |
|--|---|
| Bid End Date/Time | 27-07-2020 14:00:00 |
| Bid Opening Date/Time | 27-07-2020 14:30:00 |
| Bid Life Cycle (From Publish Date) | 90 (Days) |
| Bid Offer Validity (From End Date) | 30 (Days) |
| Ministry/State Name | Ministry Of Social Justice And Empowerment |
| Department Name | Department Of Empowerment Of Persons With Disabilities |
| Organisation Name | Swami Vivekanand National Institute Of Rehabilitation Training And Research (svnirtar) Olatpur Odisha |
| Office Name | Cuttack |
| Total Quantity | 30 |
| Item Category | LED Luminaire (Recessed Luminaire) |
| 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

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| Required | No |
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ePBG Detail

| | |
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| Required | No |
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Splitting

Bid splitting not applied.

LED Luminaire (Recessed Luminaire) (30 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) | * |

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| | | : 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 | 18W | 18W |
| | Light Intensity(System Lumens) 80 Lm/Watt for 3000 deg K, 90 Lm/Watt for 4000 deg K, 100 Lm/Watt for 6000 deg K | Yes | * |
| | Color temperature (+/- 500 K) | 3000 deg K | * |
| | Type of fixture (in feet) | 1x1 (for 18W to 28W) | 1x1 (for 18W to 28W) |
| CONSTRUCTIONAL | Ingress Protection (IP Rating) as per IS:10322 (Part 1):1982 latest (Minimum) | IP20 | * |
| | Mounting type | Recess type | * |
| | Diffuser material | Acrylic | * |
| | The luminaire body must be corrosion resistant epoxy powder coated / anodizing | Yes | * |
| | All fasteners 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 | Yes | * |

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| | manufacturer (as per Cl 8 of IS:16104:2012 lates) | | |
| OPTICAL MANAGEMENT | LED chip Efficacy (≥ 130 Lm/Watt for 6000 deg K, ≥ 120 Lm/Watt for 4000 deg K, ≥ 110 Lm/Watt for 3000 deg K) | Yes, with higher efficacy ≥ 140 Lm/Watt | Yes, with higher efficacy ≥ 140 Lm/Watt |
| | 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 +55 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 manufacture (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 | * |
| REPORTS AND CERTIFICATIONS | LED Make | EVERLIGHT / EDISON / BRIDGELUX / NATIONSTAR / SEOUL / SAMSUNG / OSRAM | * |

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| | / 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 rcess type shall comply with Complusory 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 | Prasanta Rout | 754010,At-Olatpur, Po-Bairoi, Dist- Cuttack, Pin-754010, Odisha | 30 | 15 |

Bid Specific Additional Terms and Conditions

1.Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

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

---Thank You---