

**THE SINGARENI COLLIERIES COMPANY LIMITED**  
**(A GOVERNMENT COMPANY)**  
**PURCHASE DEPARTMENT, SINGARENI BHAVAN,**  
**RED HILLS, PO: KHAIRTABAD, HYDERABAD – 500004**  
**TELANGANA (STATE)**  
**CIN:U10102TG1920SGC000571**  
**TELEPHONE: 040-23316964 - EPABX: 040-23142 EXTN.224/225**  
**TELE FAX: 040-23307653 ; e-mail ID: pd\_hyd@scclmines.com.**  
**Company Web site: [www.scclmines.com](http://www.scclmines.com)**  
**SCCL GST No : 36AAACT8873F1Z1**  
**NOTICE INVITING TENDERS (NIT)**

**ENQ.NO & DATE: HY125O0348 DT: 25.03.2026.**

**DT: 25.03.2026.**

**Sub: - Procurement of LED Light fittings projected in Annual plan 2025-26 for use at 132/33KV Substation, Corporate – Reg.**

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**ENQ CLOSING DATE: 13.04.2026 ON OR BEFORE 3.00PM**

**ENQ OPENING DATE: 13.04.2026 AFTER 3.00 PM**

MODE OF ENQUIRY : OPEN TENDER  
NUMBER OF SOURCES : SINGLE  
MODE OF TENDERING : SINGLE COVER

| SINo | Item Code  | Material Desc.                           | Qty | Unit |
|------|------------|--|-----|------|
| 1    | 1472552350 | LED STREET LIGHT FITINGS 60/65W 220-240V | 20  | NOS  |
| 2    | 1472552337 | LED STREET LIGHT FITTING 30W 230V        | 30  | NOS  |
| 3    | 1472552490 | LED FLOOD/BEAM LIGHT FITTING 200W 230V   | 20  | NOS  |

**Technical Specifications:** Enclose as Annexure.

**Note:** Make to be mentioned without any make offer will not be accepted.

**Supply: Central Stores, Kothagudem (Approx 280KMs away from Hyderabad).**

Few firms are not supplying items/materials. Their offers will not be considered.

**Delivery Period:** Materials or Items to be supplied within 2 to 4 weeks after placement of order.

Firms are requested to submit offers with sufficient knowledge of enquired items. If any doubt regarding enquired item, please ask before submitting offers only.

**NOTE: FIRMS ARE REQUESTED TO MENTION HSN CODE, GUARANTEE PERIOD, OFFERS WITHOUT ABOVE, WILL NOT BE CONSIDERED FOR FURTHER PROCESS.**

**NOTE:** Submit sealed covers. These covers to be submitted with Enquiry No, date & Address of SCCL and Firms name.

- A. Offers are invited from vendors located in Hyderabad/ Secunderabad vendors only will be considered.
- B. OFFER VALIDITY: Bidder shall keep the offer valid for a period of 4 months from the date of opening of the tenders. The offer with less validity period than stipulated is liable for rejection.

- C. GST (GOODS AND SERVICE TAX) registration certificate to be submitted along with material HSN/SAC CODE. The applicability of GST & other taxes, if any, in % shall be clearly mentioned as extra.
- D. The bidders offered without any GST & other taxes, their landed cost will be arrived by taking maximum GST% quoted by other bidders.

#### **A) GENERAL TERMS AND CONDITIONS**

- a. Tenders received after stipulated time and date will not be considered For whatsoever reasons thereof.
- b. Quotation must be on a paper identifying the firm with telephone number etc. They should be clear and free from corrections and erasing.
- c. Rate quoted by you should be valid for 120 days from the date of opening of tenders and no revision of rates will be permitted during the above period.
- d. Rate should be quoted as per the sizes / units / makes / brands asked for otherwise such offers will not be considered.
- e. The quantity shown in the enquiry is not firm and fixed. It may be increased /decreased.
- f. The material is to be supplied as per the tender enquiry and should be delivered at **Central Stores, Kothagudem** no transportation charges will be paid separately unless it is mentioned in the offer clearly. Mention whether the offer is Ex-showroom, Ex-work or delivery at our office, Hyderabad.
- g. Samples of the items should be submitted in case, they are asked for in the enquiry
- h. Those who are having ready stocks, capable of supply of material as per the enquiry within the stipulated time only need to forward their offer.
- i. M/s. SCCL deserves the right to reject any/all the tender (s) or accept any offer or part thereof without giving any reasons. Its decision in this matter will be final and binding on all the tender/(s).
- j. Sealed tenders can be dropped in the tender box in the Company Purchase Office at Hyderabad or can be sent by post / courier before the due date and time. Fax quotations are not accepted
- k. M/s. SCCL will not, in any way, be responsible for any postal delay.
- l. Separate cover may be used for each quotation. Quotations of different enquiries put in single cover will not be considered.
- m. Payment will be made within 30 days after receipt of material at **Central Stores, Kothagudem.**
- n. YOU HAVE TO SUBMIT YOUR BANK DETAILS FOR RTGS/ONLINE PAYMENTS.

#### **Tax retention clause:**

- A) The supplier shall upload his Tax Invoice in the GSTN as per the provisions of the GST Act i.e., by 11th of the month subsequent to the month in which "Time of Supply" arises.

In respect of orders where the entire order quantity is executed in phased manner through multiple invoices or where staggered payment is made, if the "Tax Invoice" is not uploaded within the time limits prescribed under GST Act, the tax amount will be withheld from the payment made against subsequent Invoice till such time the invoice is uploaded. The final payment is subject to compliance under GST Act by the supplier.

- B) From 01.11.2020 onwards all the vendors whose turnover is more than Rs.10 Crores or above in the financial years 2022-2023, 2023-2024 & 2024-2025 have to submit e-invoice with QR code printed on it. If the turnover is less than Rs.10 Crores than the firm has to declare that we are exempted from e-invoicing requirement. Therefore, the said e-invoicing provisions are not applicable to our company. Towards this, the firm is required to submit undertaking detailed in “ANNEXURE” along with Invoice.
- C) **BILLS WILL NOT BE ACCEPTED WITHOUT e-INVOICING IF THE AGGREGATE TURNOVER IN ANY OF THE THREE FINANCIAL YEARS 2022-2023, 2023-2024 & 2024-2025 EXCEEDS Rs.10 CRORES.**

**ANNEXURE**

If turnover not exceeds Rs. 10 crores, firm has to submit following undertaking along with the bills.

| PROFORMA  |                           |                     |  |
|---|---------------------------|---------------------|--|
| Our turnover during the Financial years 2022-2023, 2023-2024 & 2024-2025 is less than the Rs.10 crores  |                           |                     |  |
| Name:   | Designation:              | Company Name:       |  |
| GSTIN   | E-invoicing applicability | SEZ Status (Yes/No) |  |
|   |                           |                     |  |
| Any loss of ITC or discharge of interest and penalty arising to SCCL due to any misinformation from us, we are liable to reimburse the same to SCCL on the basis of this declaration. |                           |                     |  |
| SIGNATURE OF OWNER WITH STAMP/SEAL.   |                           |                     |  |

**D) NOTE: FAX/MAIL QUOTATIONS ARE NOT ACCEPTABLE.**

**Section Officer, Hyderabad**

**AGM(E&M)/HYD**

Annexure

| ○ TECHNICAL SPECIFICATIONS FOR LED OUTDOOR STREET LIGHT & OUTDOOR LED FLOOD LIGHT LUMINARIES                                |   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
|---|---|-------------|---------|---------------------|----------------|-------------------------|-------------------|--------------------------------|--------------|------------------------------------|-----|---------------------------|--------------|--|----------------|---|--------------|---------------------|-------|-------------------------------|--|---------------------|--|---|--------|------------------------------|---|--------------------------------|------|---------------------|-------------------|
| Sl. No.   | ○ Specifications  |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| <b>1</b>  | <b>GENERAL DESCRIPTION :</b>  |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
|   | This Specifications covers design, manufacture, testing at manufacturer's Works, packing, supply, delivery of LED Outdoor Street light luminaries and outdoor Flood Light luminaries of Cool white and yellow lights.   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| <b>2</b>  | <b>Technical Specifications:</b>  |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
|   | The LED Luminaires shall be as per the following parameters and no deviations are acceptable.   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| <b>A</b>  | <b>GENERAL:</b>   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
|   | <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 40%;">Description</th> <th style="width: 60%;">Outdoor</th> </tr> </thead> <tbody> <tr> <td>a Luminarie Wattage</td> <td>As per enquiry</td> </tr> <tr> <td>b LED luminary efficacy</td> <td>≥ 115 Lumens/watt</td> </tr> <tr> <td>c Life Span @ 70% light output</td> <td>&gt; 50000 Hrs.</td> </tr> <tr> <td>d Uniformity Ratio (E min / E avg)</td> <td>0.3</td> </tr> <tr> <td>e Control of Distribution</td> <td>Fully Cutoff</td> </tr> <tr> <td>f Constant lux (The voltage variations /</td> <td>At 85V to 270V</td> </tr> <tr> <td>g Driver current (With Constant Current Driver)</td> <td>&lt;1500ma/ LED</td> </tr> <tr> <td>h Driver efficiency</td> <td>&gt; 90%</td> </tr> <tr> <td>i Beam angle of the luminaire</td> <td>For Street Light (Yellow light) - 120°<br/>For Street light (White light) - 120°<br/>For Flood Light (Yellow light ) - 80°<br/>For Flood light (White light) - 120°</td> </tr> <tr> <td>j Color Temperature</td> <td>2700K to 3000K for Yellow lights<br/>5700K to 6500K for Cool white lights</td> </tr> <tr> <td>k P/N Junction temperature (High thermal conduction must be achieved by use of silicon heat conductive greases as adhesive)</td> <td>&lt;85 °C</td> </tr> <tr> <td>l Luminaire Body Temperature</td> <td>The Body Temperature shall be &lt; Ambient+40° C even after continuous burning of Luminaire for 24 Hrs</td> </tr> <tr> <td>m Colour Rendering Index (CRI)</td> <td>&gt; 70</td> </tr> <tr> <td>n LED CHIP EFFICACY</td> <td>≥ 140 Lumens/watt</td> </tr> </tbody> </table> | Description | Outdoor | a Luminarie Wattage | As per enquiry | b LED luminary efficacy | ≥ 115 Lumens/watt | c Life Span @ 70% light output | > 50000 Hrs. | d Uniformity Ratio (E min / E avg) | 0.3 | e Control of Distribution | Fully Cutoff | f Constant lux (The voltage variations / | At 85V to 270V | g Driver current (With Constant Current Driver) | <1500ma/ LED | h Driver efficiency | > 90% | i Beam angle of the luminaire | For Street Light (Yellow light) - 120°<br>For Street light (White light) - 120°<br>For Flood Light (Yellow light ) - 80°<br>For Flood light (White light) - 120° | j Color Temperature | 2700K to 3000K for Yellow lights<br>5700K to 6500K for Cool white lights | k P/N Junction temperature (High thermal conduction must be achieved by use of silicon heat conductive greases as adhesive) | <85 °C | l Luminaire Body Temperature | The Body Temperature shall be < Ambient+40° C even after continuous burning of Luminaire for 24 Hrs | m Colour Rendering Index (CRI) | > 70 | n LED CHIP EFFICACY | ≥ 140 Lumens/watt |
| Description   | Outdoor   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| a Luminarie Wattage   | As per enquiry  |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| b LED luminary efficacy   | ≥ 115 Lumens/watt   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| c Life Span @ 70% light output  | > 50000 Hrs.  |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| d Uniformity Ratio (E min / E avg)  | 0.3   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| e Control of Distribution   | Fully Cutoff  |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| f Constant lux (The voltage variations /  | At 85V to 270V  |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| g Driver current (With Constant Current Driver)   | <1500ma/ LED  |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| h Driver efficiency   | > 90%   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| i Beam angle of the luminaire   | For Street Light (Yellow light) - 120°<br>For Street light (White light) - 120°<br>For Flood Light (Yellow light ) - 80°<br>For Flood light (White light) - 120°  |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| j Color Temperature   | 2700K to 3000K for Yellow lights<br>5700K to 6500K for Cool white lights  |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| k P/N Junction temperature (High thermal conduction must be achieved by use of silicon heat conductive greases as adhesive) | <85 °C  |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| l Luminaire Body Temperature  | The Body Temperature shall be < Ambient+40° C even after continuous burning of Luminaire for 24 Hrs   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| m Colour Rendering Index (CRI)  | > 70  |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| n LED CHIP EFFICACY   | ≥ 140 Lumens/watt   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| <b>B</b>  | <b>ELECTRICAL</b>   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| a   | AC Input Voltage Range 85V to 270V AC   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| b   | Under voltage cut-off & over voltage Cut-off To be provided   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| c   | AC Input frequency .( The LED circuitry shall function at an operating frequency that must be greater than 120 Hz to prevent perceptible flicker to the unaided eye over the entire voltage range specified above. ) 50 Hz  |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| d   | Power Factor (Source Power Factor varies from 0.5 Lag to 0.5 Lead) > 0.95   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| e   | Luminary Wattage variance at 85 V to 270 V ± 10 %   |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |
| f   | Luminary Lux Levels Variance at 85 V to 270 V ± 5%  |             |         |                     |                |                         |                   |                                |              |                                    |     |                           |              |  |                |   |              |                     |       |                               |  |                     |  |   |        |                              |   |                                |      |                     |                   |

| Sl. No.  | Specifications  |   |
|----------|---|---|
| g        | Total Harmonic Distortion(THD)  | < 10%   |
| h        | Electrical Connection System  | 3 wire system   |
| i        | System of earthing (The luminaries offered shall conform to Level-1 classification)   | Solidly grounded  |
| j        | There shall be electrical isolation between input and output circuits of the driver.  | To be complied  |
| k        | surge protection  | Surge Protection device :<br>20 KV/ 10KA<br>a. Internal $\geq$ 4 KV<br>b. External 10 KA, 20KV as per IS 16463:Part.11:2016 (IEC 61643-11: 2011) or its latest amendments / revisions.  |
| l        | Driver  | Potted Driver as per IS 16104:2011 or its latest amendments / revisions.  |
| <b>C</b> | <b>MECHANICAL</b>   |   |
| a        | Construction of Casing  | Housing : High Pressure die-cast aluminium housing /heat sink which gives rugged feature for industrial application .High Pressure die-cast aluminium housing As per (ADC 12) /Alloy designation is to be Al Si11 Cu3(Fe) as per IS 617:2024 or its latest amendments / revisions.  |
| b        | Heat Sink type (It shall be designed in such a way that the heat generated within the LED source is efficiently dissipated to the surrounding atmosphere without abnormal rise in temperature. Any debris build up shall not degrade heat dissipation performance of the luminaries.) |   |
| c        | Finish  | PDC Powder Coated & colour  |
| d        | Lamp Cover  | The Front Glass shall be of Toughened Glass conforming to IS:2553 (Part-I) or its latest amendments / revisions.  |
| e        | Secondary Optics/Lense for street lights & Flood Lights   | Polycarbonate lens/silicon  |
| f        | IP Level  | IP-66   |
| g        | Impact Resistance   | IK-08 As per IS:17050 or its latest amendments / revisions.   |
| h        | Mounting  | <b>For Flood Light:</b> The Luminaire shall have MS adjustable mounting bracket with corrosion resistant bolts and provision for adjustment in both vertical and horizontal position.<br><b>For Street Light :</b> The street light luminaire shall have provision for mounting on a 50mm OD pipe with suitable galvanized clamps and nuts. |
| i        | Application of Illumination   | For Yard, Stadiums, Parks, Junction lighting, Quarry and Mining applications.   |
| j        | <b>Firm's Offer/confirmation</b>  |   |
|          | Gross Weight and Dimensions (L x W x T) of Luminaries (Efforts shall be made to keep the overall outer dimensions as minimum as possible with out compromising on the performance, mainly thermal management of the luminaire )   | To be furnished   |

| Sl. No.  | Specifications   |
|----------|--|
| <b>3</b> | <b>Technical Specifications of Luminaries ( Rating Wise)</b>   |
| a        | LED Luminaries Wattage Rating (Luminary wise) To be furnished  |
| b        | <b>Firm's Offer/confirmation</b><br>Light Source Powered by latest bright LEDs.  |
| c        | <b>Firm's Offer/confirmation</b><br>Minimum light output (Lumens) from luminaire To be furnished   |
| <b>4</b> | <b>CONNECTING CABLE FOR OUTDOOR FITTINGS</b>   |
| a        | Connecting cable, from electronic circuit (PCB) to Driver circuit which will be fixed in side of housing, is of copper, 3 core with colour indication, multi strand, PVC insulated, 1.1 KV grade and the current carrying capacity shall be 200% of its rated current.   |
| b        | Cable Outlet: Suitable circular hole shall be provided at the bottom of the fitting with fire resistance high grade engineering plastic glands securely fixed to the body on both sides by check nuts. The outgoing cable from fitting to power line shall be clamped to the inside base of the body to ensure fixing of the cable and suitable 'O' ring shall be provided at the cable entry to prevent dust / moisture entry and shall conform to IP-66 protection. The cable shall be 3 core, aluminium cable with colour indication, multi strand, PVC insulated, 1.1 KV grade and the current carrying capacity shall be 200% of its rated current and Cable length shall be of minimum 1 Mtr length. |
| c        | The earth core, having distinguished colour, shall be connected inside properly in view of solid earthing system.  |
| <b>5</b> | <b>SAFETY PROTECTIONS:</b>   |
| a        | Luminaries shall be designed and constructed in such a way as to avoid incursion of any danger while using them and shall ensure the following:  |
| b        | Personnel safety against electrical shock, effects of excessive temperature & spread of fire.  |
| c        | The material used in the construction of driver printed boards, driver enclosure etc. shall be non-flammable and heat resistant.   |
| <b>6</b> | <b>STANDARDS</b>   |
|          | The materials shall conform in all respects to the following relevant Standard Specifications with latest amendments thereto.  |
| a        | IS:10322 or latest   |
| b        | Transient voltages, Voltage dips and fluctuations shall conform to IEC:61000-4-5 or its latest amendments / revisions.   |
| c        | Safety of Lamp control gear :IS 15885(Part 1):2011 or its latest amendments / revisions.   |
| <b>7</b> | <b>TEST REPORTS / LICENCE:</b>   |
| <b>A</b> | <b>Type Tests :</b>  |
| a        | The offered luminaire shall have valid BIS License   |
| b        | The luminaries shall be fully type tested at an NABL by the bidder as per IS:10322. Copy of latest type test reports shall be furnished along with the Bid. The Bids received without type test reports by NABL will not be considered. (Enclose Valid Accrediation certificate along with SCOPE of testing).  |
| c        | Visual examination   |
| d        | Resistance to dust and moisture  |
| e        | Insulation resistance and electric strength  |
| f        | Photometry test  |
| g        | Impact Resistance  |
| h        | Construction of Casing as per IS 617:2024 or its latest amendments / revisions.  |
| <b>B</b> | <b>Acceptance Tests</b>  |
|          | These tests shall be carried out, as stipulated in BIS/IEC standards, by an inspecting authority at the suppliers premises on sample taken from a lot for the purpose of acceptance of a lot. Acceptance tests shall not be carried out from particular size from the lot on which type tests have already been conducted.   |
| a        | Visual examination   |
| b        | Resistance to dust and moisture  |
| c        | Insulation resistance and electric strength  |
| d        | Photometry test  |

| Sl. No.   | Specifications   |
|-----------|--|
| <b>8</b>  | <b>Documents to be submitted along with the offer :</b>  |
| a         | The bidder shall furnish G A dimensional drawings with all views of Luminaire pertaining to all the models offered along with the technical bid .  |
| b         | Type test certificates as mentioned under sl.no 7( b) to 7(h) in technical specifications  |
| c         | Technical Catalogue of product   |
| d         | Lumen Depreciation Curve of LEDs used (supplied by LED manufacturer)   |
| e         | Polar Diagram of Luminaire tested in certified laboratory  |
| f         | LM79 Measurement Report for the luminaire from NABL Accredited Laboratory  |
| g         | LM 80 report for the LEDs used (Supplied by the LED manufacturer ) . Enclose LED purchase Invoice.   |
| h         | L70 report for claimed life of LEDs in hours (Supplied by the LED manufacturer )   |
| i         | Performance reports along with order copies of LED luminaire supplies made to public sector companies and Government organisations shall be enclosed. Private sector performance reports will not be considered.   |
| j         | Only manufacturers shall submit the tenders either directly or through their authorized Distributors/Authorized Dealers. Original letters of authorization and Valid Certificates of Authorized Distributorship/Dealership must be enclosed along with the technical bid of the offers in case tenders are submitted through Authorized Distributors/Dealers. Other wise the tenders will be summarily rejected.   |
| <b>9</b>  | <b>DOCUMENTS TO BE SUBMITTED ALONG WITH EACH CONSIGNMENT.</b>  |
| a         | The Firm shall submit rating wise 3 sets of approved G A dimensional drawings with name plate and all views of Luminaire along with each consignment.  |
| b         | 3 sets of operating manuals / technical leaflets rating wise giving all the details of Installation, operation and maintenance shall be supplied along with each consignment.  |
| <b>10</b> | <b>MARKING</b>   |
|           | The following information shall be distinctly and indelibly marked / embossed / engraved on each luminaire housing for using reference during performance study and warranty replacements.   |
| a         | Year of manufacture, batch Number and Serial number  |
| b         | Name of manufacturer   |
| c         | Rated Wattage and Voltage  |
| <b>11</b> | <b>GUARANTEE TERMS AND CONDITIONS</b>  |
| a         | The Luminaries should be guaranteed for satisfactory operation for a period of <b>5 years</b> from the date of supply of Luminaries. Failures shall include failure / deterioration of LEDs in terms of performance like guaranteed luminous efficiency, high junction temperature, and abnormal lamp lumen depreciation, deterioration of lens, driver unit and quality of light. In the event of single LED source getting defective, the entire array / module shall be repaired/ replaced by the supplier at free of cost .The transportation of defective Luminaries shall be under firms scope.  |
| b         | During the guarantee period if the Luminaire while in its normal operation is found defective, the complaint shall be attended with in a week and it shall be replaced by the supplier if required with a new Luminaire at free of cost with in 30 days of intimation. If the Luminaire is not replaced/Repair within 30 days of intimation the supplier should note that the guarantee period will be extended to that extent by the number of days delayed beyond 30 days. If the tenderer does not replace within 90 days the cost of the Luminaire will be recovered from the existing bills / future bills / Bank Guarantees available. The firm shall appoint local representative during the warranty period for any compliants and immediate replacement of defective/failed luminaries, if any. |