

## Deepak Kumar

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**From:** Deepak Kumar <kumard@bhel.in>  
**Sent:** 04 October 2025 16:04  
**To:** DEEPAK KUMAR - BAP  
**Cc:** Prince Devasi(Dy Manager/U APH & FANS/BAP); Neeraj Kumar Srivastava(Dy Manager/9762\_FGD/BAP); V Ramesh(Addl GM/U APH & FANS/BAP)  
**Subject:** Requirement of LIGHT ASSEMBLY as per BHEL APSQ- 056 Rev 05-Reg  
**Attachments:** Commercial Terms & Conditions docs.pdf; SDDR.pdf; APSQ-LIGHT ASSEMBLY.pdf; QUALITY DOCS.pdf; PQR.pdf

Sir / Madam,

We require **LIGHT ASSEMBLY** as per details given below. Please submit lowest quotation on firm price basis on or before due date i.e **14/10/2025, 14:00 hrs.**

| Sl. No. | Material code | Description                                  | Unit | Qty. | Price Per Unit in Rs. |
|---------|---------------|--|------|------|-----------------------|
| 1       | 963201610000  | LAMP BODY ASSEMBLY AS PER APSQ_056           | No.  | 20   |                       |
| 2       | 963201600000  | ADJUSTABLE FIXTURE AS PER APSQ_056           | No.  | 14   |                       |
| 3       | 963201620000  | 500 WATS BULB AS PER APSQ_056                | No.  | 6    |                       |
| 4       | 963201630000  | TOUGHNED WELL GLASS AS PER APSQ_056          | No.  | 6    |                       |
| 5       | 963201640000  | WIRE GUARD AS PER APSQ_056                   | No.  | 8    |                       |
| 6       | 963201650000  | HEAT RESISTANCE WIRE 2.5 MTR AS PER APSQ_056 | No.  | 20   |                       |

### Tender Terms & Conditions:

- 1) Specification:** Item shall be as per mentioned BHEL Specification No. APSQ-056 Rev 05.
- 2) Evaluation of offer:** Evaluation of offers/bids will be on ITEM WISE for arriving L-1.
- 3) Preferred Delivery:** Material is require within 04 weeks from PO date at BHEL Ranipet Stores.

**4) Payment Term:** a) For Micro/Small Enterprises- 100% payment will be made within 45 days from the date of receipt and acceptance of materials at BHEL Stores /Site.  
c) For Non-MSME- 100% payment will be made within 90 days from the date of receipt and acceptance of materials at BHEL Stores /Site.

**5) Pre-Qualification Requirements (PQR):** Offers received from bidders meeting the Pre-Qualification Requirements (PQR) shall only be considered. Bidder should submit/Upload the supporting documents called for in the (Pre-Qualification Requirement (PQR). Incomplete bids are liable to be rejected.

**6) Quality Requirement:** Manufacturer Quality Plan is applicable in the format prescribed by BHEL. Bidder to submit signed and sealed copy of quality plan format as an acceptance. Also, Contract Quality Requirement (CQR) to be filled and submitted along with the Bid.

7) Deviation, if any, w.r.t TECHNICAL, QUALITY AND COMMERCIAL shall be indicated in SPECIFICATION DEVIATION DISPOSITION REPORT (SDDR) only. Deviations indicated in any other documents of the offer shall be ignored and treated as null & void. SDDR duly signed with seal of authorised signatory shall be submitted along with technical bid. NIL report to be submitted in case of NO deviation.


8) Fill the attached commercial T&C format and send it along with offer without fail.

Regards,

**Deepak Kumar** | Engineer | Purchase | BHARAT HEAVY ELECTRICALS LTD |  
BAP- Ranipet | 632 406 | e-mail: [kumard@bhel.in](mailto:kumard@bhel.in) | Contact: 04172-284326 | +917904292067 |



**Note :** *BHEL is moving over to Government e- Marketplace (GeM) Portal for all procurements. You are requested to get registered on GeM (<https://gem.gov.in>) to participate in tenders. If already registered, please ignore this note.*

|   |  |  |  |   |  |
|---|--|--|--|---|--|
|  |  | <b>Bharat Heavy Electricals Ltd</b><br>Boiler Auxiliaries Plant<br>Ranipet - 632 406 |  | <b>EDC / AIR PREHEATERS</b><br><b>TECHNICAL SPECIFICATION</b><br>Effective Date: 06.02.2017 |  |
| <b>Specification No : APSQ – 056</b>  |  | <b>Rev. No : 05</b>  |  | <b>Page No : 01 of 01</b>   |  |
| <b>01. Item</b>   | <b>LIGHT ASSEMBLY</b>  |  |  |   |  |
| <b>02. Material code(s)</b>   | a) Adjustable Fixture  |  | 96 320 160 0000  |   |  |
|   | b) Lamp Body Assy.   |  | 96 320 161 0000  |   |  |
|   | c) Bulb 500 Watts  |  | 96 320 162 0000  |   |  |
|   | d) Toughened Well Glass  |  | 96 320 163 0000  |   |  |
|   | e) Wire Guard  |  | 96 320 164 0000  |   |  |
|   | f) Heat Resistant Cable  |  | 96 320 165 0000**  |   |  |
| <b>03. Application</b>  | Used in Regenerative Air Preheaters for illumination to inspect the condition of Heat Transfer Surface.                                |  |  |   |  |
| <b>04. Surroundings</b>   | Dusty, humid & corrosive atmosphere of coal / oil fired boilers.   |  |  |   |  |
| <b>05. Ambient temperature</b>  | 50°C   |  |  |   |  |
| <b>06. Adjustable Fixture</b>   | a) Material : Cast Aluminium   |  |  |   |  |
|   | b) Cable entry : Threaded to Rc ¾ (BSP ¾" int. tapered) as per <b>IS 554</b>   |  |  |   |  |
|   | c) Angle of adjustment : 0 to 90° (min)  |  |  |   |  |
| <b>07. Lamp Body Assembly</b>   | a) Material : Cast Aluminium   |  |  |   |  |
|   | b) Reflector : Aluminium polished  |  |  |   |  |
|   | c) Lamp holder material : Porcelain  |  |  |   |  |
|   | d) Gasket : Neoprene   |  |  |   |  |
| <b>08. Bulb</b>   | 500 Watts, 230 V, AC, GLS, Screwed type.   |  |  |   |  |
| <b>09. Toughened Well Glass</b>   | To suit the lamp body  |  |  |   |  |
| <b>10. Wire Guard</b>   | To suit the assembly, made in 5 mm carbon steel wire   |  |  |   |  |
| <b>11. Heat Resistant Cable</b>   |  |  |  |   |  |
|   | a) Material of conductor   |  | Annealed tinned copper   |   |  |
|   | b) Size of conductor   |  | 2.5 mm <sup>2</sup> (36 Strands, Strand dia 0.3 mm) & Length 2.5 m.      |   |  |
|   | c) Wire construction   |  | Silicon Rubber insulated with Glass Fiber Braiding with Varnish Coating. |   |  |
|   | d) Applicable standard   |  | <b>BS 6007</b>   |   |  |
|   | e) Voltage grade   |  | 660 Volts  |   |  |
| <b>12. GENERAL</b>  | a) Only latest revision shall be referred for all the Standards specified.   |  |  |   |  |
|   | b) Detailed dimensional drawing indicating materials of construction & weight shall be submitted along with the offer for information. |  |  |   |  |
|   | c) Adjustable fixture and lamp holder body shall be painted with Epoxy Light Grey paint to shade 631 as per <b>IS 5</b> .              |  |  |   |  |
|   | d) Wire guard shall be painted with Epoxy light grey to shade 631 as per <b>IS 5</b>   |  |  |   |  |
| <b>13. INSPECTION</b>   | a) Inspection by BHEL.   |  |  |   |  |
|   | b) Material Compliance Certificate shall be submitted.   |  |  |   |  |
| 05  | 06.02.17   | (Sd) VMR   | (Sd) SCH   | (Sd) RSB  | Reviewed & re-affirmed.                              |
| 04  | 04.02.12   | (Sd) GR  | (Sd) ASR   | (Sd) JP   | Clauses 06(a) 06(c), 07(b), 11 & 12(d) are modified. |
| 03  | 16.12.10   | (Sd) SCH   | (Sd) KP  | (Sd) PPS  | Clause 12e added                                     |
| 02  | 20.04.02   | (Sd)RR   | (Sd) PPS   | (Sd) GRV  | Page modified  |
| 01  | 30.05.94   | (Sd) VAS   | (Sd) PPS   | (Sd) GRV  | Wire length added in clause 11b                      |
| 00  | 05.07.93   | (Sd) DNB   | (Sd) PPS   | (Sd) RSM  | <b>FRESH ISSUE</b>                                   |
| Rev.No  | Date   | Prepared   | Checked  | Appr12ed  | Record of Revisions.                                 |



## Pre-Qualification Criteria

Enq. No. & Date:

Bidder's Name:

| The following are the Pre-Qualification Criteria for participating in the Tender.<br>Necessary supporting documents shall be submitted for meeting each of the below<br>PreQualification Criteria for evaluation of the offers.   |   |   |   |
|---|---|---|---|
| Sl. No.   | Pre- Qualification Criteria   | Documentary Evidence to be submitted by Bidder along with offer                 | Bidders' Remarks/ Comment/ Confirmation |
| 01  | Confirmation to Specification   | Signed & sealed copy of APSQ.   |   |
| 02  | Bidder should be a Manufacturer/Trader/Dealers/Agents.  | Registration certificate / Certificate of Incorporation / Authorisation letter. |   |
| 03  | Proof of Past Experience or Performance Certificate for supply of Light Assembly or similar item. | PO copy & relevant Invoice/ SRV/ BL. (or) Performance certificate of same PO.   |   |
| BHEL reserves the right to consider / Not-consider the offers based on the evaluation of documents submitted for the above Pre-Qualification Criteria. BHEL also reserves the right to have On-Site assessment of the facilities at supplier's works during the bid evaluation. |   |   |   |
| In case, any of information is found to be false, even after bid acceptance, immediate termination may happen and action will be taken as per extant guideline of BHEL.   |   |   |   |

### Declaration:

We understand that all the proofs/documents submitted by our firm for all the above points are subject to verification and in case BHEL finds any discrepancy in any of the documents submitted by us like fake/false/forged documents, Certificates or information, action may be taken against our firm as per extant guidelines of BHEL.

Bidder's Sign with Seal

|   |                    |  |   |  |
|---|--------------------|--|---|--|
| <b>MAIN CONTRACTOR:</b><br>BHEL - RANIPET<br><br><b>SUB CONTRACTOR &amp; ADDRESS:</b><br><br>(To be filled by VENDOR) |                    | <b>CONTRACT QUALITY REQUIREMENTS (CQR) for LAMP ASSEMBLY</b> | <b>DOC.NO:</b><br>BAP/CQR/APH LAMP ASS:01<br><br><b>Rev NO.:</b> 00<br><br><b>PAGE :</b> Page 1 of 1<br><br><b>DATE:</b> 19.07.2025 | <b>##ENQUIRY No</b><br><br><b>## Supplier Name &amp; Address:</b><br><br><b>##Offer reference:</b><br><br><b>##Date:</b><br><br><b>Contact Official Name:</b><br><b>Mobile no:</b><br><b>Email id:</b> |
| <b>Sl. NO.</b>  | <b>DESCRIPTION</b> | <b>BHEL and Ultimate Customer Quality Requirements</b>       |   | <b>##Specific confirmations by the vendor</b>  |

**ITEM: LAMP ASSEMBLY**

|    |                                 |  |  |
|----|---------------------------------|--|--|
| 01 | <b>Important Note</b>           | Materials to be as per Indent/ Engineering specification / Approved Data sheet / make/ Model no. requirement.  |  |
| 02 | <b>Quality Plan</b>             | Supplier shall submit MQP in the attached format (Copy Enclosed) with all the tests as per specification requirement for BHEL review and approval.<br><br>Supplier should have all the testing facilities as per Submitted MQP.  |  |
| 03 | <b>For inspection</b>           | To raise inspection call by BHEL/BHEL AIA inspection including for type test witnessing , vendor is requested to refer <a href="https://cqir.bhel.in">https://cqir.bhel.in</a> for inspection related activities for immediate response / resolution.  |  |
| 04 | <b>Packing</b>                  | Required Packing & preservation shall also to be ensured as per requirements stipulated in Engg spec / drg / data sheet to avoid any damage during transit, handling damages & storage at site.  |  |
| 05 | <b>Document Package/Dossier</b> | Supplier shall give Specific confirmation for Document Package in the event of an order (3 hard copies + softcopies in PDF file) for onward transmission to customer on need basis and same shall contain the following with proper linkages (.)<br>1. Index Sheet<br>2. SQP with endorsement sheet / BHEL approved MQP.<br>3. TCs identified by BHEL or its authorized inspection agency for record for CHP= and Verification portion as given in approved QAP/Data sheet/spec (As applicable).<br>4. Final Inspection Report by BHEL / BHEL AIA + TC |  |

**Supplier signature with seal**

**## Necessarily to be filled up by the vendor at the time of offer itself otherwise the offer may not be considered w.r.t Quality Requirements being customer specific requirements.**

|   |  |                                   |       |                            |                     |                       |                     |                        |  |    |         |    |
|---|--|-----------------------------------|-------|----------------------------|---------------------|-----------------------|---------------------|------------------------|--|----|---------|----|
| Manufacturer's<br>Logo,<br>if available |  | MANUFACTURER'S NAME &<br>ADDRESS: |       | MANUFACTURING QUALITY PLAN |                     |                       |                     |                        | PROJECT:<br>BHEL PO NO & DATE:<br>MQP NO:<br>DATE: DD/MM/YYYY<br>REV NO:<br>PAGE: 1 OF 2 |    |         |    |
|   |  |                                   |       | PRODUCT:                   |                     |                       |                     |                        |  |    |         |    |
|   |  |                                   |       | SUB-SYSTEM :               |                     |                       |                     |                        |  |    |         |    |
| SL.<br>NO                               | COMPONENT &<br>OPERATIONS                    | CHARACTERISTICS                   | CLASS | TYPE OF<br>CHECK           | QUANTUM<br>OF CHECK | REFERENCE<br>DOCUMENT | ACCEPTANCE<br>NORMS | FORMAT<br>OF<br>RECORD | AGENCY   |    | REMARKS |    |
|   |  |                                   |       |                            |                     |                       |                     |                        | M  | C  |         |    |
| 1                                       | 2  | 3                                 | 4     | 5                          | 6                   | 7                     | 8                   | 9                      | D**  | ** |         | 11 |
| 1.0                                     | RAW MATERIALS & BOUGHT OUT ITEMS (BOI):      |                                   |       |                            |                     |                       |                     |                        |  |    |         |    |
|   |  |                                   |       |                            |                     |                       |                     |                        | √  |    |         |    |
|   |  |                                   |       |                            |                     |                       |                     |                        | √  |    |         |    |
|   |  |                                   |       |                            |                     |                       |                     |                        | √  |    |         |    |
| 2.0                                     | INPROCESS CONTROLS:                          |                                   |       |                            |                     |                       |                     |                        |  |    |         |    |
|   |  |                                   |       |                            |                     |                       |                     |                        | √  |    |         |    |
|   |  |                                   |       |                            |                     |                       |                     |                        | √  |    |         |    |
|   |  |                                   |       |                            |                     |                       |                     |                        | √  |    |         |    |
|   |  |                                   |       |                            |                     |                       |                     |                        |  |    |         |    |
| 3.0                                     | FINAL INSPECTION :                           |                                   |       |                            |                     |                       |                     |                        |  |    |         |    |
|   |  |                                   |       |                            |                     |                       |                     |                        | √  |    |         |    |
|   |  |                                   |       |                            |                     |                       |                     |                        | √  |    |         |    |
|   |  |                                   |       |                            |                     |                       |                     |                        | √  |    |         |    |
| 4.0                                     | PAINTING, MARKING, PACKING AND PRESERVATION: |                                   |       |                            |                     |                       |                     |                        |  |    |         |    |
|   |  |                                   |       |                            |                     |                       |                     |                        | √  |    |         |    |
|   |  |                                   |       |                            |                     |                       |                     |                        | √  |    |         |    |

|                  |                        |  |
|------------------|------------------------|--|
|                  |                        | <b>LEGEND:</b> * RECORDS IDENTIFIED WITH “TICK” (√) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.<br>** M: MANUFACTURER, C: BHEL / BHEL AIA, P: PERFORM, W: WITNESS, V: VERIFICATION;<br>CLASS: A - CRITICAL; B - MAJOR; C – MINOR;<br>MTC- MILL /MANUFACTURER'S TEST CERTIFICATE; IR- INSPECTION REPORT. |
| PREPARED BY      | REVIEWED & APPROVED BY |  |
| MANUFACTURER     | MAIN SUPPLIER (BHEL)   |  |
| SIGNATURE & SEAL |                        |  |

File No. BAP-MPLGOTEMP(POMI)/90/2025-BAP-7751-MPLC (Computer No. 204582)

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|   |                           |                                   |       |                            |                     |                       |                     |                        |                                |   |              |    |
|---|---------------------------|-----------------------------------|-------|----------------------------|---------------------|-----------------------|---------------------|------------------------|--------------------------------|---|--------------|----|
| Manufacturer's<br>Logo,<br>if available |                           | MANUFACTURER'S NAME &<br>ADDRESS: |       | MANUFACTURING QUALITY PLAN |                     |                       |                     |                        | PROJECT:<br>BHEL PO NO & DATE: |   |              |    |
|   |                           |                                   |       | PRODUCT:                   |                     |                       |                     |                        | MQP NO:                        |   | REV NO:      |    |
|   |                           |                                   |       | SUB-SYSTEM :               |                     |                       |                     |                        | DATE: DD/MM/YYYY               |   | PAGE: 2 OF 2 |    |
| SL.<br>NO                               | COMPONENT &<br>OPERATIONS | CHARACTERISTICS                   | CLASS | TYPE OF<br>CHECK           | QUANTUM<br>OF CHECK | REFERENCE<br>DOCUMENT | ACCEPTANCE<br>NORMS | FORMAT<br>OF<br>RECORD | AGENCY                         |   | REMARKS      |    |
| 1                                       | 2                         | 3                                 | 4     | 5                          | 6                   | 7                     | 8                   | 9                      | D**                            | M | C            | 11 |

NOTES:

1. Latest revision of standards & specifications shall apply.
2. Materials shall be procured in compliance to Functional Technical Specification.
3. Inspection shall be in compliance with approved Quality Control Procedure for the product.
4. Qualified Personnel shall carry out NDT with compliance to approved NDT Procedures and Acceptance Norms, as per ASME Section V.
5. Gauges and measuring Instruments, with valid calibration only shall be used
6. Cleaning and Painting of products shall be carried out as per Approved Painting Schedule as applicable.
7. Finished Products shall be packed to comply with approved Packing Schedule.
8. BHEL Authorized representatives shall have the right to witness the necessary inspection and testing of goods mentioned in the PO. Inspection / Inspection wavier / approval by BHEL does not absolve Supplier's responsibility for conformity of the specification as per the terms of PO.
9. QA Documentation package shall include copy of approved Data Sheets/ Drawings & QP, along with all Material Test Certificate (MTCs), CHPs, Material Dispatch Clearance Certificate for all items.
10. This QP is applicable for mandatory spare also as applicable.

|                  |                        |  |
|------------------|------------------------|--|
|                  |                        | <b>LEGEND:</b> * RECORDS IDENTIFIED WITH “TICK” (✓) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.<br>** M: MANUFACTURER, C: BHEL / BHEL AIA, P: PERFORM, W: WITNESS, V: VERIFICATION;<br>CLASS: A - CRITICAL; B - MAJOR; C – MINOR;<br>MTC- MILL /MANUFACTURER'S TEST CERTIFICATE; IR- INSPECTION REPORT. |
| PREPARED BY      | REVIEWED & APPROVED BY |  |
| MANUFACTURER     | MAIN SUPPLIER (BHEL)   |  |
| SIGNATURE & SEAL |                        |  |

ANNEURE – “C” TO ENQUIRY NO: .....  
 REQUIREMENT OF TECHNICAL DETAILS /CONFIRMATION  
 (To be filled in full and to be submitted along with offer)

| S.NO | DESCRIPTION                                       | BHEL'S REQUIREMENT   | SUPPLIER'S COMMENTS |
|------|---|--|---------------------|
| 01   | SPECIFICATION                                     | To be confirmed as per enquiry technical specification by bidder.  |                     |
| 02   | DATA SHEET / DRGS                                 | Filled Data Sheet and your Drgs are to be submitted along with offer. (if applicable).   |                     |
| 03   | QUALITY PLAN                                      | To confirm applicable QP will be followed.<br>(OR) Your Quality Plan to be submitted for our review & approval along with offer. |                     |
| 04   | SPECIFICATION DEVIATION DISPOSITION REPORT (SDDR) | Attached SDDR to be filled & submit along with offer.<br>(Even NO deviation is taken, NIL report to be submitted).               |                     |

Date:

SIGNATURE WITH SEAL

( to be submitted along with the offer )

| SPECIFICATION DEVIATION DISPOSITION REPORT   |        |                                  |                     |
|--|--------|----------------------------------|---------------------|
| Specn  |        |                                  | Item                |
| Enq. No & Date   |        |                                  |                     |
| Vendor Name  |        |                                  |                     |
| SPECN  |        |                                  |                     |
| Page   | Clause | Details Of Deviation With Reason | Disposition By BHEL |
|  |        |                                  |                     |
| Signature Of Vendor  |        |                                  | Reviewed By         |
| “ AGREED DEVIATION “<br>if any to be incorporated in the PO in the event of order. |        | APPROVED BY                      |                     |

Date:

SIGNATURE WITH SEAL