TENDER DOCUMENT

TENDER No.: BHI/PI(S)/675/1010

FOR

Tender for supply of Lighting Fixture & Lamps for the Project of “Augmentation of Fuel & Flux Crushing Facilities (Pkg-064) for Bhilai Steel Plant at Chhattisgarh.

VOLUME – I

ENGINEERING PROJECTS (INDIA) LIMITED
(A GOVT. OF INDIA ENTERPRISE)
B- 252, Street No.-5,
Smriti Nagar, Bhilai,
Chhattisgarh- 490020
<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1.</td>
<td>Notice Inviting Tender (NIT)</td>
</tr>
<tr>
<td>2.</td>
<td>Terms and Conditions (Annexure – I)</td>
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<td>3.</td>
<td>Technical Specifications (Annexure – II)</td>
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<td>4.</td>
<td>List of Approved Vendors (Annexure – III)</td>
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<td>5.</td>
<td>Bill of Quantity (Annexure – IV)</td>
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</table>
NOTICE INVITING TENDER

NIT No. BHI/PI(S)/675/1010 Date: 09.12.2013

Engineering Projects (India) Ltd. is pleased to invite your offer in sealed envelope for supply of Lighting Fixture & Lamps as per specification of NIT.

The interested bidders can collect the complete set of tender documents from

Addl. General Manager
Engineering Projects (India) Limited,
B-252, Street No. -5, Smriti Nagar,
Bhilai-490020 (Chhattisgarh)

from 9:00 AM to 4:00 PM on all working days upto one day prior to last date/extended date of submission of the tender. The tender documents are also available on the website of EPI: www.epi.gov.in and CPP portal: www.eprocure.gov.in. Interested bidders can download the documents and submit the tenders. The tender documents comprise the followings:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Volume</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1)</td>
<td>Volume - I</td>
<td>i) Notice Inviting Tender (NIT)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ii) Terms and Conditions (Annexure-I)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>iii) Technical Specifications (Annexure-II)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>iv) List of Approved Vendor (Annexure-III)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>v) Bill of Quantity (Annexure – IV)</td>
</tr>
<tr>
<td>2)</td>
<td>Volume - II</td>
<td>i) Price Schedule</td>
</tr>
</tbody>
</table>

The last date of submission of tender is 14.12.2013 upto 3:00 pm at above address. The tender shall be opened on 14.12.2013 at 4pm. There is tender fee Rs. 500/- (Rupees Five hundred Only). The tender fee is to be submitted in the form of Crossed Demand Draft or Pay Order of any Nationalized Bank / Scheduled Bank favouring, “Engineering Projects (India) Ltd.”, payable at Bhilai. Tenderers to submit the one set of tender documents duly signed and Stamped along with their offer.

EPI reserves the right to extend the date of submission of the tender or cancel the tender or annul this process without assigning any reason whatsoever. The information of extension/cancellation, if any, shall be given on the EPI’s website.
www.epi.gov.in and www.engineeringprojects.com. The intending Tenderers are requested to visit the EPI’s website regularly for this purpose.

1.0 MODE OF SUBMISSION

The tender is to be submitted in two separate sealed covers marked as under:

**ENVELOPE-1 :-**

This ENVELOPE shall contain the following:

i) The tender fees of Rs. 500.00 (Rupees Five hundred only) (Non-Refundable) in the form of Crossed Demand Draft or Pay Order of any Nationalized Bank /Scheduled Bank favouring, “Engineering Projects (India) Ltd.”, payable at Bhilai.

ii) In this envelope the tenderer should also keep the complete tender documents duly signed and stamped by them on each page as their acceptance and unpriced copy of price bid.

iii) Any other information as required to be submitted along-with the tender.

This envelope shall be marked as:

**ENVELOPE-1 “TECHNO-COMMERCIAL BID” FOR** (Name of work as mentioned in “Notice Inviting Tender”)

**NIT No. : ________________________________**

**DUE ON: ______________________________**

**FROM: (Name of the Contractor)**

**ENVELOPE - 2:-**

This ENVELOPE shall contain only the Volume-II comprising of PRICE-BID. No terms and conditions or any other thing should be kept in this envelope.

This envelope shall be marked as :

**ENVELOPE-2: ‘PRICE-BID’ FOR** (Name of Work as mentioned in “Notice Inviting Tender”)

**NIT No. : ________________________________**

**DUE ON: ______________________________**

**FROM: (Name of the Contractor)**

Both the envelopes / packets shall be individually sealed and kept in an outer envelope marked as:

**TENDER FOR** (Name of Work as mentioned in “Notice Inviting Tender”)

**NIT No. : ________________________________**
The outer envelope shall be duly sealed and shall be delivered at place of submission of tender by the date and time fixed for receipt of tender as mentioned in “Notice Inviting Tender”. The tenders received after the date and time of tender receipt shall not be considered and shall be returned to the Bidder unopened. EPI shall not be responsible for any postal or other delays, whatsoever and Bidder should take care to ensure the submission of tender at place of receipt of tender by due date and time fixed for tender receipt. All the envelopes shall be addressed to the authority who has invited the tender as mentioned in “Notice Inviting Tender”.

1.1 First the Envelope-1 of the Bidder shall be opened. Bidders who unconditionally accept the tender conditions, deposit the required Earnest Money and whose Techno-Commercial Bid along with PQ Documents is found suitable shall be considered for the opening of their Price Bid and Envelope-2 of such Bidders shall only be opened. The tenders not accompanied by requisite Earnest Money and / or not conveying un-conditional acceptance of tender conditions or whose Techno-Commercial Bid and PQ Documents are not found suitable shall be rejected and such Bidder shall not be allowed to attend Price Bid opening i.e. opening of Envelope-2.
Annexure-I

Terms and Conditions

1. Delivery time: within 20 days from the date of approval of datasheet.

2. Price Basis: FOR at site (inside Bhilai Steel Plant).

3. Taxes and duties- Price is inclusive all taxes and duties, levies, octrai, entry tax etc.

4. Security Deposit- The contractor shall furnish Security Deposit (SD) of 5% of the contract value either by Bank guarantee in the stipulated Proforma or Crossed Demand Draft or Pay Order of any Nationalized Bank / Scheduled Bank within one week from the date of issuance of LOI. It will be refunded after 3 months of defect liability period.

5. Payment terms-
   i) 90% payment after delivery of material at site within 15 days of receipt of material at site.
   ii) 10% payment shall be released after successful commissioning or 3 months whichever is earlier.

6. Guarantee/ warrantee certificate of manufacture shall be submitted at the time of inspection/delivery.

7. Lamps and lighting fixtures to be supplied as per approved vendor list of BSP mentioned in Annexure-II.

8. Lamps and lighting fixtures to be supplied as per Specification enclosed as Annexure-III.

9. Guarantee – 12 months from the date of erection/ 18 months from the date of supply whichever is later. The lamps and lighting fixtures will be replaced by the supplier/manufacturer in case of defect at no extra cost.

10. Lamps and Lighting fixtures of any make from the list of approved vendor may be supplied equivalent to Bajaj make model no. mentioned in BOQ.

11. QAP and technical specification of light fixtures to be submitted within 5 days after receipt of order.

12. Inspection to be carried out by BSP/MECON/EPIL before delivery of material.

13. Price to remain firm, No variation escalation will be paid extra.

14. Data sheet will be submitted for approved by BSP / MECON
15. Manufacturers/ Authorized dealers are permitted to submit the offer.

16. Routine and type test reports as per relevant IS will be submitted prior to supply of material.

17. Degree of protection certificate from Govt. approved lab for each type as applicable.

18. Defects Liability Period: - 18 months from receipt of material at site (BSP).
Technical Specification: Luminaire

Integral vapour-proof well glass luminaire

1. Grey hammertone stove enamelled finish pressure die-cast aluminium alloy housing.
2. Heat resistant wellglass fitted with a specially designed gasket.
3. BC/ES/E27 lamp holder, prewired up to the terminal block.
4. MS zinc plated wire guard.
5. 1 No. cable entry of size 19 mm ET to be provided.
6. Control gear for 70 SV/MH SE lamp.
7. Special bracket for mounting.
9. Well glass lighting fitting will be fitted with sodium vapour lamps. These fittings will be suitable for hanging by means of hangers, brackets, hooks etc. as required. All fitting will be integral type.

Integral medium bay and high bay luminarie

1. Integral decorative pressure die-cast aluminum black textured matte finish powder coated housing and cover.
2. Scientifically designed spun aluminum, electrochemically brightened anodized reflector for better distribution.
3. Eye bolt and anti-vibration rubber are provided for suspension mounting.
4. Ease of maintenance.
5. Aesthetically appealing to suit any interior.
6. Heat resistance toughened glass cover with synthetic rubber gasket and hinge.
7. Degree of protection: IP 55 (Glass version)

Control gear, Lamp & Accessories for luminarie

- Lamps

Sodium vapour lamps will be suitable for universal burning position. The characteristics of the lamps will be in line with the relevant Indian Standards. The outer bulbs will be elliptical heat resistant type, evacuated to minimise heat losses and coated with light diffusion film for pleasing colour discharge. The lamp will be provided with corrosion resistant, nickel-plated screw base.
• **Ballast’s**

All ballast’s will be of proven design and capable of delivering long trouble free service. The ballast’s will be made up of low loss silicon with steel lamination and will be wound with polyester-based super enamelled copper wire. The ballast will be polyester filled and able to dissipate the heat efficiently so as to keep the temperature rise well within the limits specified in the IS.6616-1972. The ballast will be provided with tapping at 200,220 and 240 volts and will be suitable for HPSV lamps.

• **Capacitors**

Capacitors will have element wound from layers of high purity Aluminium foils laid over the two faces of capacitor paper. The Aluminium cylindrical case containing the elements will be dried under high vacuum and impregnated before being sealed. The solder type lug terminals will be mounted over porcelain insulators at the sealed end and the capacitor will conform to IS: 1569. The value of capacitance will be chosen as to raise the power factor of burning lamps to above 90%.

• **Igniters and Starters.**

Igniters for HPSV lamps will be of proven design and capable of delivering long trouble free operations. The igniter and starters will be suitable for tropical condition and conform to IS: 2215-1968.

• **Lamp and Starter Holders**

Lamp and starter holders will have good spring contacts and of well tried out design. The spring contact will be such as to prevent disconnection due to vibration during cleaning. They will also have facility for easy removal.
### Annexure-III

**Approved vendor list**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Category</th>
<th>Vendors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Light fixtures</td>
<td>1. Deepsun</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. Bajaj</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3. Philips</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4. Crompton Greaves</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5. G.E. Lighting</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6. WIPRO</td>
</tr>
<tr>
<td>2.</td>
<td>Lamps</td>
<td>1. Sigma</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. Bajaj</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3. Philips</td>
</tr>
<tr>
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<tr>
<td></td>
<td></td>
<td>5. G.E. Lighting</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6. OSRAM</td>
</tr>
</tbody>
</table>
## Annexure - IV

### FUEL & FLUX CRUSHING FACILITIES PROJECT (PKG-064)

Supply of Lighting Fixture & Lamps

## BILL OF QUANTITY

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Description</th>
<th>Unit</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>LIGHTING FIXTURES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Supply of Integral vapour-proof Well glass Luminaire with 70W HPSV Lamp Bajaj make BJVWIS 70SV or equivalent Lamp Type &amp; Wattage (W) : 70 SV with complete accessories</td>
<td>Nos</td>
<td>340.00</td>
</tr>
<tr>
<td>2</td>
<td>Supply of Integral Mediumbay Luminaire with 150W HPSV Lamp Bajaj make BJMBI 150 SV TE or Equivalent Lamp Type &amp; Wattage (W) : 1x150W SV with complete accessories</td>
<td>Nos</td>
<td>57.00</td>
</tr>
</tbody>
</table>