TENDER DOCUMENT FOR: Supply & Installation of L.E.D Solar High Mast Light at different Archaeological Sites in Bihar:

<table>
<thead>
<tr>
<th>Sl. no</th>
<th>No of Solar High Mast Light</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. अलावल खाँ का मकबरा (सासाराम)</td>
<td>2</td>
</tr>
<tr>
<td>2 तेतहाड़ा उत्खनन स्थल (गालन्दा)</td>
<td>4</td>
</tr>
<tr>
<td>3 जार्ज ऑर्केन जन्मस्थली (मोतिहारी)</td>
<td>3</td>
</tr>
<tr>
<td>4 सोफा मंदिर (बैतिया)</td>
<td>4</td>
</tr>
<tr>
<td>5 मीरा विगहा (जहानाबाद)</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

DATE OF ISSUE OF TENDER FORM WITH DOCUMENT:
DATE & TIME FOR SUBMISSION OF TENDER DOCUMENT: 22-07-2019 by 4 P.M
DATE & TIME FOR OPENING OF TENDER DOCUMENT: 24-07-2019 by 3 P.M

Pre-bid Meeting will be held in the office of Director, Archaeology, Deptt. of Art Culture & Youth, Room No. 329, Vikash Bhawan-Room no.329, Bailey Road Patna-800015 on 19-07-2019 by 4 P.M
ELIGIBILITY CRITERIA

01. Manufactures of their authorized dealers/Indian subsidiaries/direct importers having a place of business in any of the States of India are eligible to participate in this tender.

02. The bidder/manufacture of the light offered should be in the business of the supply and installation of similar for the last three calendar years.

03. Bidder must enclose user list of the quoted items supplied in Govt./Pvt. Institutions/Hospitals in India and the at least one installation mentioned by the manufacturer in their offer must be functional and performance certificate for the same issued by the user concerned also be attached with the offer.

04. The Bidder should be public undertaking/Autonomous Body/Public Ltd./Pvt. Ltd. Company or proprietary firm and should be in light business since last three years in India. The Bidder having manufacturing facility in their name in India for the majority of the items offered by them shall be given preference.

05. The firm should be registered with under GST Tax.

06. The Bidder (manufacturer or their authorized agent) should have average annual financial turnover of Rs. 3 crore during the last three years ends 31-03-2019

07. Bidders who have the capability to attend repairs of the equipments within the time mentioned in this bidding document and who are willing to provide stand by equipment or replace the faulty equipment if the repair/down time extends beyond 48 hours from the time of reporting of the fault within the next 72 hours (total down time should not exceed 5 days in one instance). The bidders who have the capability to ensure the uptime mentioned in this document (Documentary proof shall be submitted on the after sales facilities and expertise of the bidder).

08. Firm/company has to give certificate/affidavit that Firm/company is not black listed

09. Firm/Company who have withdrawn after participating in any of the previous tenders of Patna are not eligible to participate in this tender. In this regard attached self attested/certificate.

(Atul kumar Verma)
Director Archalogy
SOLAR HIGH MAST
SPECIFICATION

- High efficient 4 point LED streetlight/floodlight mounted atop of pole with 90° separation.
- Optics with highest quality lenses which give good uniformity and wider area coverage.
- Proper heat sink to take care of thermal management that maintains the desired life and lumen output of LED.
- LED chips with high lumen packages having longer life

<table>
<thead>
<tr>
<th>LIGHT SOURCE</th>
<th>80W</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOLAR PANEL</td>
<td>75W=7W(MONO)</td>
</tr>
<tr>
<td>PIR SENSOR</td>
<td>YES</td>
</tr>
<tr>
<td>IP6S</td>
<td>YES</td>
</tr>
<tr>
<td>LED LAMP LIFE</td>
<td>50000Hrs</td>
</tr>
<tr>
<td>BATTERY (Li-ion)</td>
<td>111V51Ah</td>
</tr>
<tr>
<td>CHARGE CONTROLLER</td>
<td>MPPT</td>
</tr>
<tr>
<td>CHARGE CONTROLLER EFF% ≥</td>
<td>≥ 90%</td>
</tr>
<tr>
<td>CRI</td>
<td>70</td>
</tr>
<tr>
<td>DIMENSION (MM)</td>
<td>1210X455X45</td>
</tr>
<tr>
<td>NET WEIGHT</td>
<td>25.8KG</td>
</tr>
<tr>
<td>EFFICACY</td>
<td>120Lm/Watt</td>
</tr>
<tr>
<td>VISUAL ANGLE</td>
<td>120°</td>
</tr>
<tr>
<td>COLOUR TEMPERATURE</td>
<td>6000K-6500K</td>
</tr>
<tr>
<td>AUTONOMY</td>
<td>2 DAYS</td>
</tr>
<tr>
<td>CHARGING TIME</td>
<td>1 DAY</td>
</tr>
<tr>
<td>WORKING TEMPERATURE</td>
<td>-10°C TO +55°C</td>
</tr>
<tr>
<td>INSTALL HEIGHT</td>
<td>8-10M</td>
</tr>
<tr>
<td>WARRANTY</td>
<td>2 YEARS</td>
</tr>
</tbody>
</table>

SOLAR PV MODULE

- High efficiency poly-crystalline solar modules that are tested for longer durability.
- Modules should be available in wide watt power range suitable for different applications
- Modules should be designed for withstanding highly corrosive atmosphere and heavy wind loads
  Tested as per IEC 61701
- Solar panels IEC 61215, IEC 61730 (Safety class I & II), IEC 61701 and CE

<table>
<thead>
<tr>
<th>Pole height</th>
<th>Luminaire Rating</th>
<th>Solar (Mono)</th>
<th>PV Battery Capacity</th>
<th>Autonomy</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

After Installation company/Firm will have to maintain it for three years without any additional charge.

Director, Archaeology, Bihar
Deptt of Art, Culture & Youth
Room No. 329, Vikash Bhawan, new secretariat , Bailey Road,
Patna&800015