INVITATION FOR EXPRESSION OF INTEREST (EOI) FOR SELECTION OF OEM/SYSTEM INTEGRATOR FOR
SUPPLY & INTEGRATION OF SOLAR POWER PACK

1. Engineering Projects India Limited (EPIL) is a Central Public Sector Enterprise functioning under
the aegis of Ministry of Heavy Industries & Public Enterprises and one of the premier engineering
services organization of India engaged in execution of multi-disciplinary projects on turnkey basis
in India & Overseas.

2. EPI intends to take up institutionalization of renewable energy resources on behalf of its clients
in different states of India. To commence the process, it is intended to provide Solar Power Packs
for various purposes in remote/ inaccessible locations where power supply is erratic/ absent. The
objective of providing solar power packs is to ensure running of critical equipment at
remote/inaccessible locations by using innovative, eco-friendly technology driven solutions at
reasonable cost, thereby overcoming shortage/non availability of power.

3. EPI invites formal Expression of Interest from reputed and experienced firms/organizations, to
associate for provision of Solar Power Packs in different parts of the country on behalf of its
various clients. Company should have the capability to undertake design and installation of Solar
Power Packs based on requirements of clients. Further, Company should be capable of
undertaking modifications to design of Solar Power Packs based on feedback of clients in a short
response time.

4. Interested firm/ Organization shall meet the following criteria:

Part 1 - Technical Criteria

a) PV Panel: Important Specifications.
   i. Should comprise of Poly crystalline solar cells and qualify as per IEC 61215 / IS
   ii. SPV module conversion efficiency should be equal to or greater than 15% under
       STC.
   iii. Should perform satisfactorily in operating temperature range, from -40 degree to
       plus 85 degree centigrade.
   iv. Junction box provided must be full dust/water/ proof. It should conform to
       protection class IP 65/67.
   v. Rated power at STC >= 295Wp.

b) Inverter: Charge Controller- Important Specifications
   i. Should convert DC power produced by SPV module to AC power and adjust
      voltage and frequency levels.
   ii. Should have built in protection against overload and short circuit and
      overheat.
   iii. Output voltage to be pure sine wave 230V ac (+/- 2%)/ 120Vac
iv. Operating frequency to be in range of 47.5 – 52.5 Hz. Nominal frequency should be 50 Hz.

v. Battery charger should conform to protection index IP20.


vii. Operating temp range to be -20 to 55 deg C.

viii. Relative humidity in operation – 95% without condensation.

c) Warranty: The Firm/Company must provide guarantee of products as under.

   i. Inverter—5 years.
   iii. Battery (if supplied) - 5 years.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Pre-Qualification Criteria</th>
<th>Mandatory documentary evidences to be submitted with EOI</th>
</tr>
</thead>
</table>
| 1       | The firm must be a registered company and incorporated in India under the Companies Act 1956. The firm should be an OEM or System Integrator and operating in India for the last five years. | a) Company Profile  
b) Certified Copy of Certificate of Incorporation  
c) Memorandum & Articles of Association  
d) Authorization certificate from OEM                                                                                     |
| 2       | The firm must be well established in the area of Solar Power System or Power Projects & working in India. If the company is based abroad they must have an office in India. The firm should have an experience of successfully completing the project of supply, installation, testing, commissioning & maintenance of solar power system or power projects (Substation/Transmission/Distribution Systems) in past 3 years in India as per the details mentioned below –  
   A) For Solar Power System:  
      1. Single Project of value – Rs. 20.00 Cr.  
      2. Two Projects of value – Rs. 15.00 Cr.  
      3. Three Projects of value – Rs. 10.00 Cr 
   B) For Power Projects:  
      1. Single Project of value – Rs. 50.00 Cr.  
      2. Two Projects of value – Rs. 30.00 Cr.  
      3. Three Projects of value – Rs. 15.00 Cr  
   For system integrators having above mentioned relevant experience in power projects must have proper setup and association with OEMs of solar power system. | a) Work Orders of completed & ongoing works.  
b) Completion Certificates of work executed.  
c) Letters of reference from past customers along with contact, address etc. of each customer should be provided in order to show past performance in the execution of projects of a comparable nature and complexity. |
| 3       | Presentation / Demonstration of available surveillance systems & methodology of installation, commissioning & maintenance.                                                                                                      | Presentation / Demonstration on available technology.                                                                                              |
Certification/Undertaking documents from the OEMs for providing product services. The manufacturer (OEM) of solar power pack must have turnover minimum Rs. 35 Crores during any one of last three years.

All relevant documents should be submitted along with EOI.

Part 2 - Commercial Criteria.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Pre-Qualification Criteria</th>
<th>Mandatory documentary evidences to be submitted with EOI</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The firm should have a minimum average annual turnover of Rs. 60 Crore in last three (3) consecutive financial years ending 31.03.2015.</td>
<td>Audited Balance Sheet of the Company for Last 3 Years should be submitted.</td>
</tr>
<tr>
<td>2</td>
<td>The firm should be a profit making firm and have positive net-worth in the last 3 consecutive years ending 31.03.2015.</td>
<td>Audited Profit &amp; Loss Statements of the Company for last 3 Years should be submitted.</td>
</tr>
<tr>
<td>3</td>
<td>The firm should have solvency of Rs. 10 Crore and solvency certificate should not be older than six months from the last date of submission of EOI.</td>
<td>Solvency Certificate from Scheduled Banks</td>
</tr>
<tr>
<td>4</td>
<td>The firm should undertake that no criminal/economic fraud case is pending or contemplated against the organization.</td>
<td>Undertaking regarding the same on the firm’s Letter Head should be submitted.</td>
</tr>
<tr>
<td>5</td>
<td>The firm should not have been blacklisted/debarred by any Foreign / Indian Government /Semi-Govt./PSU Organization in India.</td>
<td>Undertaking regarding the same on the firm’s Letter Head should be submitted.</td>
</tr>
<tr>
<td>6</td>
<td>The firm should have valid Service tax &amp; VAT Registration, ESI, PF registration, PAN.</td>
<td>Self-Certified Copy of PAN, Service Tax, ESI, PF Registration Certificate and VAT Registration Certificate should be submitted.</td>
</tr>
</tbody>
</table>

5. EPI reserves the right to accept or reject any or all EOIs or annul this process without assigning any reason and liability whatsoever and to re-invite EOI at its sole discretion. The corrigendum to this EOI, if any, shall be displayed on the EPI’s website www.epi.gov.in only. The details of EOI may be viewed on www.epi.gov.in & www.eprocure.gov.in. Joint Ventures/Consortium are not allowed.

6. The firm fulfilling the above requirements and willing to associate with EPI may submit their formal expression in sealed envelope superscripted with name of EOI with all prescribed supporting documents / undertakings mentioned in EOI not later than 16th Nov’ 2015 up to 1500 Hrs (IST) on below mentioned address:

Rakesh Kumar  
(Senior Manager)  
Engineering Projects (India) Limited  
4th Floor, Core-3, SCOPE Complex, 7, Lodhi Road, New Delhi – 110003, India

For any query kindly contact Shri. Rakesh Kumar, Senior Manager, Landline Tel: 011-24361965, Extn: 2432, Fax: 011-24363426, Email: rakesh.kumar@epi.gov.in