



## **RURAL POWER COMPANY LIMITED**

### **EXPRESSION OF INTERESTS (EOI)**

**FOR**

**Consultancy Services for Construction of Resettlement Facilities of Land Less Household and other related Civil works for the Project "Construction of 100 MW Solar Power Plant at Madarganj in Jamalpur District", Bangladesh.**

**EOI Ref. NO.: PUR-038(MADARGANJ100MW/RESETTLEMENT/NQCBS)/2021-2022,**

**DATE: 12.10.2021**

**October, 2021**

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## RURAL POWER COMPANY LIMITED

House No. 19, Road No. 1/B, Uttara Model Town, Dhaka-1230,

### Request for Expression of Interests (Firm)

1	Ministry/Division	Ministry of Power, Energy and Mineral Resources/Power Division
2	Agency	Rural Power Company Limited.
3	Procuring Entity Name	Executive Director (Engineering), Rural Power Company Limited.
4	Procuring Entity code	Not used at present
5	Procuring Entity District	Dhaka
6	Expression of Interest for Selection of	Consultancy Services for Construction of Resettlement Facilities of Land Less Household and other related Civil works for the Project "Construction of 100 MW Solar Power Plant at Madarganj in Jamalpur District", Bangladesh.
7	EOI Ref No.	PUR-038(MADARGANJ100MW/RESETTLEMENT/NQCBS)/2021-2022,
8	Date	12/10/2021
KEY INFORMATION		
9	Procurement Method	Quality and Cost Based Selection (QCBS), National
10	Budget and Source of Funds	RPCL's Own Fund
PARTICULAR INFORMATION		
11	Project/ Programme code	Not applicable
12	Project/ Programme name	Consultancy Services for Construction of Resettlement Facilities of Land Less Household and other related Civil works for the Project "Construction of 100 MW Solar Power Plant at Madarganj in Jamalpur District", Bangladesh.
13	EOI closing date and time	27/10/2021 at 12:00 Noon
INFORMATION FOR APPLICANT		
14	Brief description of the assignment	The Consultant shall undertake: 1. Study of the site including Topographic and Geotechnical survey, Mapping (Map setting, map referencing, area estimation, map digitizing, boundary survey etc.), earth/sand volume estimate (including contour map) for land development (10 acres). 2. Preparation of Tender documents including drawing design, schedule (Bill of Quantities) with specification, bidding and contract documents for land Development. 3. Preparation of details design & drawing, schedule (Bill of Quantities) with specification, bidding and contract documents for resettlement facilities (Housing, Mosque, Health Care Centre, Primary School, Preparation of pond, waste dumping and graveyard, Playground and market, 3.5 Meters wide bituminous road, Walk way, Boundary Wall etc.) 4. Full Time Supervision and Monitoring of construction work from the beginning to the end of land development and resettlement facilities. 5. Checking & certifying the progress & Bill submitted by Contractor for payment after execution the work. 6. Preparation progress report for every month. 7. Any other services related to the works.
15	Experiences, Resources and Delivery capacity required.	Application has been invited from the competent consulting firms who have at least provided Consultancy Services within the last 10 years for- Preparation of Drawing Design of Land Development (10 acres), Road Construction work (1 km) and Supervision of that works Venture/Consortium/Association (JVCA). In such case, Lead partner shall have similar experience of services and other partners should have real and well-defined inputs to the assignment .No firm should form association with more than one firm.
16	Other details (if applicable)	The intending consulting firms should collect the " Detailed Terms of Reference as well as document" from the RPCL office by submitting an application to the Executive Director (Engineering), Rural Power Company Limited, House No.-19, Road No.-1/B, Sector No.-09, Uttara Model Town, Dhaka- 1230, Bangladesh during office hours till 26/10/2021. The document is also available in RPCL's website: <a href="http://www.rpcl.gov.bd">www.rpcl.gov.bd</a> . The EOIs would be reviewed on the basis of the following: • Registration and age of Firm • Experience of the firm in similar task • Availability of key professionals • Availability of resources • Managerial strength and financial capacity • Experience of the firm in other works Any application submitted later than the specified time shall not be accepted. Short listed firms will be selected using the selection method in Accordance with PPR-2008. RFP will be issued to short listed firms.
17	Place of EOI submission	Rural Power Company Limited, House No.-19, Road No.-1/B, Sector No.-09, Uttara Model Town, Dhaka- 1230, Bangladesh.
PROCURING ENTITY DETAILS		
18	Name of official Inviting EOI	Md. Salim Bhuiyan, PEng
19	Designation of official Inviting EOI	Executive Director (Engineering)
20	Address of official Inviting EOI	Rural Power Company Limited, House No.-19, Road No.-1/B, Sector No.-09, Uttara Model Town, Dhaka- 1230, Bangladesh.
21	Contact details of official Inviting EOI	Phone: +88-02-48961201, Fax: +88-02-48963229, E-mail: <a href="mailto:edengg@rpcl.gov.bd">edengg@rpcl.gov.bd</a> , Website: <a href="http://www.rpcl.gov.bd">http://www.rpcl.gov.bd</a>
22	Special Instruction	The Procuring Entity reserves the right to accept any or reject any/all applications without assigning any reason.

(Md. Salim Bhuiyan, PEng)  
Executive Director (Engineering),  
Rural Power Company Limited



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## INSTRUCTION TO THE APPLICANTS

1. Application of the interested firms must include:
  - a) Name of the Principal Firm with complete address, E-mail, Fax, Telephone etc.
  - b) Name of the Associated Firm (if any) with complete address, E-mail, Fax, Telephone etc.
  - c) Notarized Joint Venture/Association Agreement on Legal valued Non-Judicial Stamp of the firms (in case of Joint Venture/Association with another firm) for the said consulting service.
  - d) The name of the employees/owner(s) of the firms and corporate profile of the firms.
  - e) The name and qualification of the Management/Administrative Personnel.
  - f) List and qualification of the key-personnel likely to be involved in the proposed consultancy services. The proposed fields of expertise for the said consultancy services would be at least the following:

SN	Position	Number of Persons	Months	Person-Months
1	Team Leader (Civil Engineer)	1	16	16
2	Geotechnical & Structural Engineer	1	1	1
3	Electrical Engineer	1	3	3
4	Junior Field Engineer (Civil)	1	13	13
5	Environmental Specialist	1	2	2
6	Social Safe Guard Specialist	1	3	3
7	Architect	1	2	2
8	Auto CAD Operator	1	1	1
<b>Total</b>		<b>8</b>	<b>41</b>	<b>41</b>

- g) Identity, Structure, Organization of the firms(s) including copies of the documents defining the constitution or legal status, place of registration and principal places of business and/or principal offices of the company/firm.
  - h) Details of vehicles, instruments & office equipment the firm owns.
  - i) Audited Financial Statements of the firm for the last five fiscal years.
  - j) Experience of the firms along with a list of similar work carried out/ ongoing since 2010. The Consultant must submit the end user certificate in support of experience.
2. Applicant must submit information using the attached table/format [Aneex-1 to 6] with supporting document. The submitted document must be sealed and signed by a person duly authorized by the consulting firm.
3. Maximum and minimum nos. of consultants to be included in the short-list will be 7 (seven) and 4 (four) respectively.
4. The Applicant must submit one "Original" & two "Copy" and soft copy (with CD) of EOI document.



**Name and Qualification of Proposed Professional Personnel**

SN	Name of the Personnel	Field of Expertise	Temporary/ Permanent	Educational Qualification	Experience in years	Similar Experience in years
				1. Name of the Exam....., 2. Passing year....., 3. University....)		

**Note: 1. Applicant must submit information using the attached table/format of [Aneex-1]**

**Note: 2. The applicant shall have to be submitted a soft copy of Annex-1 along with EOI document.**

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**Name and Qualification of Management/Administrative Personnel**

SN	Name of the Personnel	Position in the Firm	Temporary/ Permanent	Educational Qualification	Experience in years
				1. Name of the Exam....., 2. Passing year....., 3. University....)	

**Note: 1. Applicant must submit information using the attached table/format of [Aneex-2]**

**Note: 2. The applicant shall have to be submitted a soft copy of Annex-2 along with EOI document.**



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**Financial Statement**

Summary of Assets & Liabilities:

SN	Year	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
1	Total Asset					
2	Total Liabilities					
3	Total investment					
4	Operating Expenses					
5	Taxes Paid					
6	Profit after Taxes					
7	Turnover					

**Note: 1. Applicant must submit information using the attached table/format of [Aneex-3]**

**Note:2. The applicant shall have to be submitted a soft copy of Annex-3 along with EOI document.**



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**Details of Vehicles, Office Equipment and Instrument**

Sl, No.	Name, Brand of the Vehicles/Equipment, Year of Manufacture	Model No. Serial No./ Registration No.	Present Condition

**Note: 1. Applicant must submit information using the attached table/format of [Aneex-4]**

**Note: 2. The applicant shall have to be submitted a soft copy of Annex-4 along with EOI document.**



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**Similar Experience performed by the Firm (Lead firm) during last 5 years**

SN	Name, Location & Description of Services	Name of Client with address and Contact number	Contract amount	Start date	Completion date

Name of the Firm

Signature .....

**Note: 1. Applicant must submit information using the attached table/format of [Aneex-5]**

**Note: 2. Experience must be supported by a certificate issued by respective client. Without client certificate, experience will not be considered.**

**Note: 3. The applicant shall have to be submitted a soft copy of Annex-5 along with EOI document.**



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**Experience of the firm in other works**

SN	Name of Services	Name of Client with address and Contact number	Contract amount	Start date	Completion date

**Note: 1. Applicant must submit information using the attached table/format of [Annex-6]**

**Note: 2 Experience must be supported by a certificate issued by respective client. Without client certificate, experience will not be considered.**

**Note: 3. The applicant shall have to be submitted a soft copy of Annex-6 along with EOI document.**



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**TERMS OF REFERENCE (TOR)**

**FOR**

**Consultancy Services for Construction of Resettlement Facilities of Land Less Household and other related Civil works for the Project “Construction of 100 MW Solar Power Plant at Madarganj in Jamalpur District”, Bangladesh.**



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## 1.0 Background

Rural Power Company Limited (RPCL) was registered as a public limited company from the register of joint stock companies & firms on 31<sup>st</sup> December 1994 to alleviate severe power crisis of the country. The company is presently generating 392MW of electricity from its 4 (four) power station. RPCL is implementing a 1320 MW coal fired thermal Power plant project with 50:50 shareholding at kalapara, Patuakhali forming a JV company with Norinco Intl Company Limited. RPCL is resettling 281 nos. of house-hold of the project area. RPCL has over the years gained experience in project implementation and operation & maintenance of power plants. This has given the company an edge over others in becoming the leading Bangladeshi company with three operating plants of its own.

For enhancement of generation capacity and achieving the target of Renewable Energy Policy 2008 and the Power System Master Plan-2016, Rural Power Company Ltd. (RPCL) has taken initiative to implement a 100 MW Solar Power Plant at Madarganj Upazilla under Jamalpur District. The site has been selected through a comprehensive site selection study. The Feasibility Study of the project has been completed by EQMS Consulting Limited, Bangladesh. The geographic location of the selected site is 24°49'37.70"N and 89°41'54.12"E. The proposed project site is situated 1.3 km east of Jamuna River at Kaizerchar Mouza of Jurkhali Union, Under Madarganj Upazilla of Jamalpur District. The proposed project location is about 142 km, 38 km and 9 km away from Dhaka, Jamalpur and Madarganj respectively. The total land of the Proposed Solar PV Power Plant location is approximately 325.6536 acres at Kaizerchar Mouza of Jurkhali Union, Under Madarganj Upazilla of Jamalpur District. At present RPCL has planned to construct a PV Solar Power Plant of 140.74 MWp at Kaizerchar Mouza of Jurkhali Union, Under Madarganj Upazilla of Jamalpur District.

According to the ECNEC approved Development Project Proposal (DPP) of the project "Construction of 100 MW Solar Power Plant at Madarganj in Jamalpur District", 88 nos. of landless household will be resettled under the project.

## 2.0 Objective of the Services

The objectives of the consulting services shall be to ensure that the Resettlement Facilities Construction is implemented with a high standard of workmanship and quality, on schedule, and within the budget, in accordance with the specifications and drawings of the Contractor, to acceptable environmental and social standards and in accordance with the RPCL's requirements. The objectives of the Consultancy Services for Preparation of Drawing, Design, Specification, Bill of quantities, Tender Document and Approval of drawing design, Supervision of Land Development for Resettlement Facilities of Land Less Household and other related Civil works of the Resettlement Facilities for the Project "Construction of 100 MW Solar Power Plant at Madarganj in Jamalpur District", Bangladesh. The service includes preparation of detailed plan, cost estimate; supervise of resettlement work including Housing, Mosque, Health Care Centre, Primary School, Preparation of pond, waste dumping and graveyard, Playground and market, 3.5 Meters wide bituminous road, Walk way, Boundary Wall and other facilities for approximately 88 nos. of families who are presently living in the proposed project area. The resettlement area (10 acres) has been selected at southeast side of proposed project area which is out of 325.6563 acres of the project land.

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### 3.0 Scope of work of the Consultancy services

#### General Scope of Services

The Consultant shall undertake:

- a. Study of the site including Topographic and Geotechnical survey, Mapping (Map setting, map referencing, area estimation, map digitizing, boundary survey etc), earth/sand volume estimate (including contour map) for land development (10 acres).
- b. Preparation of Tender documents including drawing design, schedule (Bill of Quantities) with specification, bidding and contract documents for land Development.
- c. Preparation of details design & drawing, schedule (Bill of Quantities) with specification, bidding and contract documents for resettlement facilities (Housing, Mosque, Health Care Centre, Primary Primary School & it's facilities, Preparation of pond, waste dumping , graveyard, Playground , market, 3.5 Meters wide bituminous road, Walk way, Boundary Wall, Playground (Landscaping and plantation), Market (Tin shade), and Water supply facilities etc.).
- d. Preparation of operation and uses guideline of resettlement facilities.
- e. Full Time Supervision and Monitoring of construction work from the beginning to the end of land development and resettlement facilities.
- f. Checking & certifying the progress & Bill submitted by Contractor for payment after execution the work.
- g. Preparation progress report for every month.
- h. Sub-soil investigations necessary for foundation design and other soil test if necessary.
- i. Any other services related to the works.

#### 3.1 Land Development for Resettlement

- spot level survey (coarse level contour survey);
- Geo-technical Survey, Map setting, map referencing, area estimation, map digitizing, boundary survey etc.
- Design, estimate (including contour map) and Preparation of Tender documents including drawing design, schedule (Bill of Quantities) with specification, bidding and contract documents for land Development work.
- Time Supervision and Monitoring of construction work from the beginning to the end of land development.
- Checking & certifying the progress & final Bill submitted by Contractor for payment after execution the work.
- Preparation progress report for every month & submit in every month.
- Any other services related to the works.

#### 3.2 Resettlement Activities

- Review resettlement action plan prepared by EQMS Consulting Limited, Bangladesh and identify the actual number of household /families.
- Preparation of Detail Resettlement Plan for the said household /families.
- Preparation of Master layout, Map, Design, Drawing of low cost semi-pacca building with a



Mosque, Primary School & Primary school's facilities, Preparation of Pond, waste dumping and graveyard, Playground (Landscaping and plantation) and Market (Tin shade), Water supply facilities (Tube well and others), Health care center, 3.5 Meters wide bituminous Access Road with 2 ft side clearance Light duty road, Walk Way, Light Duty road with unipaver top, Boundary Wall for the household uses.

- Design, estimate and Preparation of Tender documents including drawing design, schedule (Bill of Quantities) with specification, bidding and contract documents for resettlement facilities works.
- Sub-soil investigations necessary for foundation design and other soil test if necessary.
- Preparation of 3D design Model of the Resettlement facilities.
- Full time construction supervision of the activities.
- Checking & Certifying the progress & final bill submitted by contractor for payment upon execution of works.
- Checking & certifying the progress & final Bill submitted by Contractor for payment after execution the work.
- Preparation progress report for every month & submit in every month.
- Any other services related to the works.

#### **4.0 Service Schedule**

The service is proposed to be commenced immediately and is scheduled for completion in maximum 15 (fifteen) months. The Service team is expected to mobilize immediate after the award of contract and the notice to proceed.

#### **4.1 Soil Test.**

The Consultant will select the site of boring for Soil test with the help of employer. Minimum 10 bore hole should be taken into account for testing the soil of the site. Soil test should be carried out by a geotechnical engineer from a renowned laboratory and it is required to submit the report to the employer. This work should be performed within 30 days from contract date.

#### **4.2 Estimate**

After approval of layout plan consultant will prepare an estimate for preparation of BoQ and tender document for the Land Development, Civil works (semi-pacca building with a Mosque, Primary School & Primary school's facilities, Preparation of Pond, waste dumping and graveyard, Playground (Landscaping and plantation) and Market (Tin shade), Water supply facilities (Tube well and others), Health care center, 3.5 Meters wide bituminous Access Road with 2 ft side clearance Light duty road, Walk Way, Light Duty road with unipaver top, Boundary Wall etc.) and other ancillary works with necessary supporting.

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### 4.3 Tender Document

Consultant will be liable to prepare Bill of Quantities (BOQ) with specification, tender and contract documents for the above works following the STD of CPTU and assist to evaluate the financial & technical offer of the said tender.

### 4.4 Supervision

Full time supervision shall have to be done by consultant by engaging required professional and manpower during construction period.

### 4.5 Bill Checking

The bill submitted by the contractor to RPCL will be checked and certified by the consultant.

## 5.0 Reporting Requirements

Within the scope of consulting services, the Consultant shall prepare and submit reports and documents as shown tentatively in Table 1. The Consultant shall provide electronic copy (Word, Excel, PDF, dwg, PNG, JPG, AI and others required format as per client requirement) of each reports.

The type of reports, timing and number of copies as shown in Table 1 is tentative and minimum requirement only and subject to change according to actual conditions and requirements.

The payment to the Consultant will not be adjusted in the case that extra reports are required by the Client.

<b>Table 1 : List of submission report</b>			
<b>Category</b>	<b>Type of Report</b>	<b>Timing</b>	<b>No. of Copies</b>
Consultancy Services	Monthly Progress Report	Every month after commencement of the services	5
	Project Completion Report	At the end of Services	10
	Review Resettlement Action Plan Report done by EQMS.	After 1 Month of commencement of the services	5
Design Review	Design Review Report	Report shall be submitted within 10 (ten) days of every design submittal by the Contractor.	5
Tender Assistance	Tender Document	Within 2 months after commencement of the services	10
	Technical Evaluation and Final Evaluation Report	Within 1 month after closing Bidding	8
	Contract Document	Within 15 days after closing Bidding	8



	Quality Control Report	Every month	5
	Project Cost Control Report	Every month	5
	Claim Report	Every month	5
	Change & Variation Report	If required	5
	Construction Completion Report (and As-built Drawings, if any)	At the end of the Project	5
	Performance report	At the end of the defect liability period	10
Environment, Social Safeguard, Quality Control	Environmental and Social Monitoring Report	Every Six Month	5
	Preparation of operation and uses guideline of resettlement facilities.	Draft after 2 Months of commencement of the services and final at the end of the services	5
	Project Safety Report	Every month	5
Other	Technical Report	As required or upon request	As required

## 6.0 Responsibilities of the client

The consultant shall work under the direct supervision of the Project Director. The concerned offices of Rural Power Company Ltd. shall assist the study team as required. In case of any unforeseen events, be it in terms of physical or social obstacles at field levels; the concerned field offices of the Rural Power Company Ltd. will take initiatives to solve it and ensure good working environment.

## 7.0 Responsibilities of the consultants

The consultants shall carry out the consultancy as detailed in the "Scope of services" and "Responsibilities" in the best interest of the Company for the successful realization of the project with all reasonable care, skill & sound engineering, administrative and financial practices and shall be responsible to the company (Rural Power Company Ltd.) for discharge of responsibilities.

For smooth completion of the work; The Consultant shall undertake:

- a. Study of the site including Topographic and Geotechnical survey, Mapping (Map setting, map referencing, area estimation, map digitizing, boundary survey etc), earth/sand volume estimate (including contour map) for land development (10 acres).
- b. Preparation of Tender documents including drawing design, schedule (Bill of Quantities) with specification, bidding and contract documents for land Development.
- c. Preparation of details design & drawing, schedule (Bill of Quantities) with specification, bidding and contract documents for resettlement facilities (Housing, Mosque, Health Care Centre, Primary School & it's facilities, Preparation of pond, waste dumping , graveyard, Playground ,





- market, 3.5 Meters wide bituminous road, Walk way, Boundary Wall, Playground (Landscaping and plantation), Market (Tin shade), and Water supply facilities etc.).
- Preparation of operation and uses guideline of resettlement facilities.
  - Full Time Supervision and Monitoring of construction work from the beginning to the end of land development and resettlement facilities.
  - Checking & certifying the progress & Bill submitted by Contractor for payment after execution the work.
  - Preparation progress report for every month.
  - Sub-soil investigations necessary for foundation design and other soil test if necessary.
  - Any other services related to the works.

## 8.0 Staffing

Position and Estimated Man-Months

Total estimated consulting input is 41 Man-Months as the following tables.

SN	Position	Number of Persons	Months	Person-Months
1	Team Leader (Civil Engineer)	1	16	16
2	Geotechnical & Structural Engineer	1	1	1
3	Electrical Engineer	1	3	3
4	Junior Field Engineer (Civil)	1	13	13
5	Environmental Specialist	1	2	2
6	Social Safe Guard Specialist	1	3	3
7	Architect	1	2	2
8	Auto CAD Operator	1	1	1
<b>Total</b>		<b>8</b>	<b>41</b>	<b>41</b>

## 9.0 Qualification of Members

The minimum qualification of all required Team Members is shown below. It is to be noted minimum qualification of Bachelor Degree as stated below means Graduation Degree from a University or an equivalent institution.

SI No.	Designation	Item of Minimum Qualification
1.	Team Leader (Civil Engr.)	<p><u>Education:</u></p> <ul style="list-style-type: none"> <li>Bachelor Degree in Civil Engineering or other relevant.</li> </ul> <p><u>Experience:</u></p> <ul style="list-style-type: none"> <li>Experience in supervision of Land Development, Civil works project as consultant: Minimum 15 years.</li> <li>Experience of design for resettlement and rehabilitation projects as consultant in national contract: Minimum 1 projects.</li> <li>Experience of leading a consultants' team as Project Manager/ Team leader in Civil works projects: Minimum 1 project.</li> </ul>

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Sl No.	Designation	Item of Minimum Qualification
2.	Geotechnical & Structural Engineer	<p><b>Education:</b></p> <ul style="list-style-type: none"> <li>Bachelor /Master Degree in Civil / structural/Urban &amp; Regional Planning; Master in relevant field</li> </ul> <p><b>Experience:</b></p> <ul style="list-style-type: none"> <li>Experience as Structural Engineer/ geo-technical structure of soil natural resources management sector in Bangladesh or similar climatic, topographic and socio-economic environment: Minimum 10 years.</li> </ul> <p>Experience of consultancy services of design / supervision of civil building and road construction as Geotechnical &amp; Structural Engineer/Specialist.: Minimum 1 project.</p>
3.	Electrical Engineer	<p><b>Education:</b></p> <ul style="list-style-type: none"> <li>Bachelor /Master Degree in Electrical/ Electrical &amp; Electronics Engineering.</li> </ul> <p><b>Experience:</b></p> <ul style="list-style-type: none"> <li>Experience as an Electrical Engineer in the Substation, Transmission line and electrical house wiring works: Minimum 5 years.</li> <li>Experience of design or supervision of resettlement works: Minimum 1 project.</li> </ul> <p>He/she must have proven records of leading and working with multi-disciplinary and multi-cultural teams.</p>
4.	Junior Field Engineer (Civil)	<p><b>Education:</b></p> <ul style="list-style-type: none"> <li>Bachelor/Master Degree in Civil Engineering or other relevant.</li> </ul> <p><b>Experience:</b></p> <ul style="list-style-type: none"> <li>Experience as civil engineer: Minimum 5 years.</li> <li>Experience of design &amp; supervision of resettlement projects: Minimum 1 project.</li> <li>Experience of supervision of land development: Minimum 1 project.</li> <li>Experience of design &amp; supervision of civil building construction: Minimum 1 project.</li> </ul>
5.	Environmental Specialist	<p><b>Education:</b></p> <ul style="list-style-type: none"> <li>Bachelor/Master Degree in Environmental Science/Geography or other relevant.</li> </ul> <p><b>Experience:</b></p> <ul style="list-style-type: none"> <li>Experience in Environmental related fields: Minimum 5 years.</li> <li>Experience as Environmental specialist for resettlement project: Minimum 1 project.</li> <li>Experience of Resettlement and Rehabilitation project: Minimum</li> </ul>

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Sl No.	Designation	Item of Minimum Qualification
		1 project.
6.	Social Safe Guard Specialist	<u>Education:</u> <ul style="list-style-type: none"> <li>Bachelor Degree in Social Science or other relevant.</li> </ul> <u>Experience:</u> <ul style="list-style-type: none"> <li>Experience in safeguard related fields: Minimum 5 years.</li> <li>Experience as safeguard specialist: Minimum 1 project.</li> </ul>
7.	Architect	<u>Education:</u> <ul style="list-style-type: none"> <li>Bachelor Degree of Architectural Engineering or other relevant</li> </ul> <u>Experience:</u> <ul style="list-style-type: none"> <li>Experience as Architectural Engineering: 5 years</li> <li>Experience of consultancy services of architectural design for building and others civil construction works as Architectural Engineer: Minimum 1 project.</li> </ul>
8.	Auto CAD Operator	<u>Education:</u> <ul style="list-style-type: none"> <li>Bachelor Degree.</li> </ul> <u>Experience:</u> <ul style="list-style-type: none"> <li>Experience in the field of GIS and Auto CAD design: Minimum 5 years.</li> <li>Extensive experience is required with Auto-CAD, ARC/INFO and Arc View software.</li> <li>Experience in design, drawing of power project: Minimum 1 project.</li> </ul>

## 10.0 Responsibilities of different Experts:

Responsibilities of the professional staff for the Service should be as follows:

### 10.1 Team Leader (Civil Engr.)

His/her tasks and responsibilities shall include but not limited to

- i. Shall maintain liaison with the sponsor and other concerned agencies;
- ii. Guide and co- ordinate all project activities;
- iii. Check collected various data required for the project and authentication;
- iv. Checking of design, drawing, BOQ, Tender Document;
- v. Preparation of detail work schedule;
- vi. Engage proper manpower for preparation of documents and supervision;
- vii. Preparing of Progress Report;
- viii. Supervision of works;
- ix. Monitoring of activities of team members and direction;
- x. Attend meetings with the client as and when required;
- xi. Others as necessary.

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## 10.2 Geotechnical & Structural Engineer

His/her tasks and responsibilities shall include but not limited to

- i. Shall maintain liaison with the sponsor, Team leader and other concerned agencies;
- ii. Guide and co-ordinate all project activities;
- iii. Identify all technical requirements/parameters to be specified by RPCL required for the work of Disaster resilience houses, School, Health care center, Mosque, Resettlement and Rehabilitation project, boundary wall and internal roads etc.;
- iv. Preparation of required specifications for the work of Disaster resilience houses, School, Health care center, Mosque, Resettlement and Rehabilitation project, boundary wall and internal roads etc.;
- v. Preparation of cost estimates;
- vi. Assist the Team Leader in preparation of the reports at different stages of the services;
- vii. Attend meetings with the client as and when required;
- viii. Monitoring activities of Field Engineers and report to the Team Leader and
- ix. Others as necessary.

## 10.3 Electrical Engineer

His/her tasks and responsibilities shall include but not limited to

- i. Maintain liaison with the team leader;
- ii. Interpret the electrical drawing of Substation, distribution line and electrical wiring works etc.;
- iii. Literature review on electrical interventions of Substation, distribution line and electrical wiring works etc.;
- iv. Preparation of specifications;
- v. Preparation of cost estimates;
- vi. Attend meeting with team leader as and when required by the client;
- vii. Assist the Team Leader in preparation of the reports at different stages of the study and
- viii. Others as necessary.

## 10.4 Junior Field Engineer (Civil)

His/her tasks and responsibilities shall include but not limited to

- i. Carry out the work schedule;
- ii. Supervise and monitoring the resettlement works;
- iii. Maintain quality of Land development, civil work as per specifications following standard utility practices;
- iv. Maintain daily, weekly, Monthly records of different activities;
- v. Preparation of site activities report;
- vi. Report to Team leader about progress and taking corrective measures as per instruction of Team Leader;
- vii. Certify measurement of works submitted by the Contractor;
- viii. Attend meetings with the client as and when required and
- ix. Others as necessary.



### 10.5 Environmental Expert

His/her tasks and responsibilities shall include but not limited to

- i. Shall maintain liaison with the sponsor, donor and other concerned agencies;
- ii. Guide and co-ordinate all project activities;
- iii. Interpret the environmental consequences of Land Development, Resettlement and Rehabilitation project;
- iv. Assess environmental impacts and mitigation measures;
- v. Attend meetings with the client as and when required;
- vi. Preparation of the reports at different stages of the study and
- vii. Others as necessary.

### 10.6 Social Safe Guard Specialist:

His/her tasks and responsibilities shall include but not limited to:

- i. Designing and developing methodology along with collection, compilation and analysis of data related to social and economic activities along the route;
- ii. Establishing baseline condition from socio- economic point of view;
- iii. Identifying and assessing the possible positive and negative impacts in settlements and homesteads due to installation of solar power plant;
- iv. Preparing and conduct consultation meetings with stakeholders and participate in workshops;
- v. Recommending measures to offset negative impacts and will assist team leader in preparing Environmental Management Plan as well as in preparing the EIA &SIA report;
- vi. Examining and evaluating activities of the field researchers;
- vii. Examining the development of conflicts among the different groups and different localities and provide mitigation measures during the process of implementing the power plant;
- viii. Attend meetings with the client as and when required and
- ix. Evaluating the overall social benefits like in poverty alleviation, women participation and health.

### 10.7 Architect

His/her tasks and responsibilities shall include but not limited to

- i. Shall maintain liaison with the sponsor, Team leader and other concerned agencies;
- ii. Guide and co-ordinate all project activities;
- iii. Identify all technical requirements/parameters to be specified by RPCL required for the work of Disaster resilience houses, School, Health care center, Mosque, resettlement and rehabilitation project, boundary wall and internal roads etc.;
- iv. Preparation of required specifications for the work of Disaster resilience houses, School, Health care center, Mosque, boundary wall and internal roads etc.;
- v. Preparation of cost estimates;
- vi. Assist the Team Leader in preparation of the reports at different stages of the services;
- vii. Attend meetings with the client as and when required;
- viii. Monitoring activities of Field Engineers and report to the Team Leader and
- ix. Others as necessary.

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## 10.8 Auto CAD Operator

His/her tasks and responsibilities shall include but not limited to:

- i. Prepare all types of maps and drawings
- ii. Shall have close co- ordination with all other members of the team for preparation of the maps and drawings of the power plant;
- iii. Attend meetings with the client as and when required and
- iv. Others as necessary.

## 11.0 Others

### Safety Control of the Project

In an effort to assure the safety during the construction work of the Project, the Consultant shall take the following actions related to the safety control;

- (a) Ensure that bidding documents cover the following items that:
  - i) The safety requirements in accordance with the laws and regulations in the country of the Borrower and relevant international standards (including guidelines of international organization), if any
  - ii) Bidders shall furnish a safety plan to meet the safety requirements stipulated in the bidding documents.
  - iii) The personnel for key positions to be proposed by bidders shall include an accident prevention officer/ safety officer.
- (b) The consultant shall take following actions to secure the safety in the project:
  - i) The consultants shall review the safety plans submitted by the bidders.
  - ii) During the supervision of the construction work, the consultants shall confirm that an accident prevention officer proposed by the contractor is duly assigned at the project site and that the construction work is carried out according to the safety requirements stipulated in the contract. If consultants recognize any questions regarding the safety measures including the ones mentioned above, the consultants shall require the contractors to take appropriate remedies.

## 12.0 Eligibility

Application has been invited from the competent consulting firms who have at least provided Consultancy Services within the last 10 years for–

- 1.Preparation of Drawing Design of Land Development, Boundary Wall, Road Construction work of Resettlement with its facilities and Supervision of that works
- 2.Preparation of Drawing, Design, Specification, Bill of quantities, Tender Document and Approval of drawing design, Supervision of Land Development for Resettlement Facilities of Land Less Household and other related Civil works of the Resettlement Facilities for the Resettlement Project with minimum 50 household.

Consulting firm may form Joint Venture/Consortium/Association (JVCA). In such case, Lead partner must have experience in the field of consulting services involving preparation of Tender Document, Design Review and Approval, Construction supervision of resettlement within the last 10 years, for at least one resettlement project with minimum 50 household. Other partners should have remaining required experience to qualify. Any one Joint Venture/ Consortium/ Association member shall not be allowed to participate with more than one Applicant.

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RURAL POWER COMPANY LIMITED		শেখ হাসিনার উদ্যোগ- ঘরে ঘরে বিদ্যুৎ
House No. 19, Road No. 1/B, Sector No. 09, Uttara Model Town Dhaka-1230, Bangladesh. Email: <a href="mailto:info@rpcl.gov.bd">info@rpcl.gov.bd</a> , Web: <a href="http://www.rpcl.gov.bd">www.rpcl.gov.bd</a>		
Request for Expression of Interest (Firm)		
1	Ministry/Division	Ministry of Power, Energy and Mineral Resources/Power Division
2	Agency	Rural Power Company Limited.
3	Procuring Entity Name	Executive Director (Engineering), Rural Power Company Limited.
4	Procuring Entity code	Not used at present
5	Procuring Entity District	Dhaka
6	Expression of Interest for Selection of	Consultancy Services for Construction of Resettlement Facilities of Land Less Household and other related Civil works for the Project "Construction of 100 MW Solar Power Plant at Madarganj in Jamalpur District", Bangladesh.
7	EOI Ref No.	PUR-038(MADARGANJ100MW/RESETTLEMENT/NQCBS)/2021-2022.
8	Date	12/10/2021
KEY INFORMATION		
9	Procurement Method	Quality and Cost Based Selection (QCBS), National
10	Budget and Source of Funds	RPCL's Own Fund
PARTICULAR INFORMATION		
11	Project/ Programme code	Not applicable
12	Project/ Programme name	Consultancy Services for Construction of Resettlement Facilities of Land Less Household and other related Civil works for the Project "Construction of 100 MW Solar Power Plant at Madarganj in Jamalpur District", Bangladesh.
13	EOI closing date and time	27/10/2021 at 12:00 Noon
INFORMATION FOR APPLICANT		
14	Brief description of the assignment	The Consultant shall undertake : 1. Study of the site including Topographic and Geotechnical survey, Mapping (Map setting, map referencing, area estimation, map digitizing, boundary survey etc.), earth/sand volume estimate (including contour map) for land development (10 acres). 2. Preparation of Tender documents including drawing design, schedule (Bill of Quantities) with specification, bidding and contract documents for land Development. 3. Preparation of details design & drawing, schedule (Bill of Quantities) with specification, bidding and contract documents for resettlement facilities (Housing, Mosque, Health Care Centre, Primary School, Preparation of pond, waste dumping and graveyard, Playground and market, 3.5 Meters wide bituminous road, Walk way, Boundary Wall etc.) 4. Full Time Supervision and Monitoring of construction work from the beginning to the end of land development and resettlement facilities. 5. Checking & certifying the progress & Bill submitted by Contractor for payment after execution the work. 6. Preparation progress report for every month. 7. Any other services related to the works.
15	Experiences, Resources and Delivery capacity required.	Application has been invited from the competent consulting firms who have at least provided Consultancy Services within the last 10 years for- Preparation of Drawing Design of Land Development (10 acres), Road Construction work (1 km) and Supervision of that works Venture/Consortium/Association (JVCA). In such case, Lead partner shall have similar experience of services and other partners should have real and well-defined inputs to the assignment. No firm should form association with more than one firm.
16	Other details (if applicable)	The intending consulting firms should collect the " Detailed Terms of Reference as well as document" from the RPCL office by submitting an application to the Executive Director (Engineering), Rural Power Company Limited, House No.-19, Road No.-1/B, Sector No.-09, Uttara Model Town, Dhaka- 1230, Bangladesh during office hours till 26/10/2021. The document is also available in RPCL's website: <a href="http://www.rpcl.gov.bd">www.rpcl.gov.bd</a> . The EOIs would be reviewed on the basis of the following: • Registration and age of Firm • Experience of the firm in similar task • Availability of key professionals • Availability of resources • Managerial strength and financial capacity • Experience of the firm in other works  Any application submitted later than the specified time shall not be accepted. Short listed firms will be selected using the selection method in Accordance with PFR-2008. RFP will be issued to short listed firms.
17	Place of EOI submission	Rural Power Company Limited, House No.-19, Road No.-1/B, Sector No.-09, Uttara Model Town, Dhaka- 1230, Bangladesh.
PROCURING ENTITY DETAILS		
18	Name of official Inviting EOI	Md. Salim Bhuiyan, PEng
19	Designation of official Inviting EOI	Executive Director (Engineering)
20	Address of official Inviting EOI	Rural Power Company Limited, House No.-19, Road No.-1/B, Sector No.-09, Uttara Model Town, Dhaka-1230, Bangladesh.
21	Contact details of official Inviting EOI	Phone: +88-02-48961201, Fax: +88-02-48963229 E-mail: <a href="mailto:edengg@rpcl.gov.bd">edengg@rpcl.gov.bd</a> , Website: <a href="http://www.rpcl.gov.bd">http://www.rpcl.gov.bd</a>
22	Special Instruction	The Procuring Entity reserves the right to accept any or reject any/ all applications without assigning any reason.

(Md. Salim Bhuiyan, PEng.)  
Executive Director (Engineering)  
Rural Power Company Limited





**RURAL POWER COMPANY LIMITED** "শেখ হাসিনার উদ্যোগ-  
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### Request for Expression of Interest (Firm)

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21	Contact details of official Inviting EOI	Phone: +88-02-48961201, Fax: +88-02-48963229 E-mail: <a href="mailto:edengg@rpcl.gov.bd">edengg@rpcl.gov.bd</a> , Website: <a href="http://www.rpcl.gov.bd">http://www.rpcl.gov.bd</a>
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(Md. Salim Bhuiyan, PEng.)  
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