

**GOVERNMENT OF MEGHALAYA**  
**POWER DEPARTMENT, ADDITIONAL SECRETARIAT BUILDING**  
**SHILLONG**  
**EXPRESSION OF INTEREST**

No.POWER-113/2020/24

Dated: 02-11-2020.

Power Department, Government of Meghalaya is inviting Expression of Interest (EOI) for empanelment of reputed Firms for Design, Engineering, Installation, Maintenance and Operations upto 40(Forty) years for Hydro/Solar/Wind /Biomass Power Projects on BOOT/DBOT/BOOM/PPA Model having past experience. Empanelment will be for new and existing incomplete power projects on "as-is-where-is" basis.

| Sl. No. | Description  | Date       |
|---------|--|------------|
| 1       | Start date of issue of EOI                               | 09-11-2020 |
| 2       | Pre-bid meeting  | 30-11-2020 |
| 3       | Last date of acceptance of queries/comments from bidders | 07-12-2020 |
| 4       | Issue of Response to bidder 's queries                   | 14-12-2020 |
| 5       | Last date of Submission of EOI                           | 11-01-2021 |

The interest bidders/companies can download the EOI document from website [www.meghlayatender.gov.in](http://www.meghlayatender.gov.in) from 09-11-2020 free of cost.  
 Power Department reserves the rights to accept/reject any EOI without assigning any reason thereof.

  
 Chief Technical Adviser (Generation)  
 Power Department, Government of Meghalaya,  
 Shillong.

## Expression of Interest

**Subject:**

Expression of Interest for empanelment of reputed Firms for Design, Engineering, Installation, Maintenance and Operations upto 40 (forty) years for Hydro/Solar/Wind/Biomass Power project on BOOT/DBOT/BOOM/PPA Model.

**Objective of EOI:**

Power Department Government of Meghalaya intends to invite Expression of Interest from developers for the Empanelment of Hydro/Solar/Wind/Biomass Power Developer for development of new and existing incomplete Hydro/Solar/Wind/Biomass Power projects on “as-is-where-is” basis for 40 years in the State of Meghalaya. The objective of EOI is to increase the Hydro/Solar/Wind/Biomass Power Generation in the State.

**Installed Capacity**

Power in the State of Meghalaya, is primarily generated by the State owned Generation Corporation viz. Meghalaya Power Generation Corporation Ltd (MePGCL) and the power requirement is met from the State’s own hydro generation and the allocated power share from Central Generating stations. Incidentally, with the Notification of the Ministry of Power designating all Hydroelectric power as renewable in nature, all MePGCL Stations may now be considered renewable (clean & green).

There are 9 (nine) existing hydro power stations with a total Installed Capacity of 356.20MW generating about 1200MU of energy annually.

**The installed capacity of the Existing Hydro Power Stations**

| Sl. No | Name of the Project                | Type of development     | Capacity (MW) | Date of Commissioning |
|--------|------------------------------------|-------------------------|---------------|-----------------------|
| 1      | Umtru, Dehal, Byrnihat             | Run-of-the river        | 4 x 2.8       | 1957                  |
| 2      | Umiam Stage-I, Sumer               | Storage                 | 4 x 9         | 1965                  |
| 3      | Umiam Stage-II, Um-Sumer           | Power Channel (Pondage) | 2 x 10        | 1970                  |
| 4      | Umiam-Umtru Stage-III, Kyrdemkulai | Pondage                 | 2 x 30        | 1979                  |
| 5      | Umiam-Umtru Stage-IV, Nongkhyllem  | Pondage                 | 2 x 30        | 1992                  |
| 6      | Sonapani MHP                       | Run-of the river        | 1 x 1.5       | 2009                  |
| 7      | Myntdu Leshka H.E. Project         | Run-of the river        | 3 x 42        | 2012&2013             |
| 8      | New Umtru H.E.Project              | Pondage                 | 2x20          | 2017                  |
| 9      | Lakroh MHP                         | Run-of the river        | 1 x 1.5       | 2019                  |
|        |                                    | TOTAL                   | 356.20        |                       |

**Power Generation for the Last 7(Seven) Years from Existing Power Stations**

| Generation (in Million Units) |                           |               |               |               |               |                |               |                |
|-------------------------------|---------------------------|---------------|---------------|---------------|---------------|----------------|---------------|----------------|
| Sl. No.                       | Name of the Power Station | 2013-14       | 2014-15       | 2015-16       | 2016-17       | 2017-18        | 2018-19       | 2019-20        |
| 1                             | Umtru                     | 21.01         | 15.27         | 1.41          | 0.00*         | 0.00*          | 0.00*         | 0.00*          |
| 2                             | Umiam Stage-I             | 79.13         | 90.40         | 114.06        | 96.64         | 128.61         | 85.11         | 108.32         |
| 3                             | Umiam Stage-II            | 41.32         | 45.90         | 58.26         | 50.28         | 63.92          | 43.32         | 55.25          |
| 4                             | Umiam-Umtru Stage-III     | 133.55        | 113.10        | 117.50        | 65.30         | 132.08         | 133.83        | 141.83         |
| 5                             | Umiam-Umtru Stage-IV      | 174.91        | 162.76        | 185.00        | 166.10        | 217.34         | 166.61        | 164.5          |
| 6                             | Sonapani MHP              | 5.41          | 5.75          | 6.30          | 7.630         | 7.47           | 7.12          | 3.59           |
| 7                             | Myntdu Leshka             | 413.27        | 409.39        | 445.86        | 443.85        | 502.88         | 363.06        | 421.65         |
| 8                             | New Umtru                 |               |               |               |               | 173.61         | 179.82        | 181.43         |
| 9                             | Lakroh MHP                |               |               |               |               |                | 0.09          | 2.11           |
|                               | <b>TOTAL</b>              | <b>868.60</b> | <b>842.57</b> | <b>928.39</b> | <b>829.80</b> | <b>1225.91</b> | <b>978.97</b> | <b>1078.68</b> |

*\*Umtru Power Station, commissioned in 1957 and which has long surpassed its service life of 35years, is presently under shutdown, where condition assessment studies are being taken*

### Capacity Addition

With the changing power scenario, where the State is facing power shortages during the lean season and that supply from outside sources cannot be guaranteed due to regulatory issues, grid constraints, deficient power, etc., the State has endeavored to carry out systematic capacity addition programme through the implementation of Hydro Electric Projects. There are 2(two) projects under execution stage and are in various stages of completion viz. Ganol Small HEP (22.5MW) and Riangdo Small HEP (3MW).

### Harnessing Power Potential

Meghalaya is blessed with about 3000 MW of Hydro Power Potential out of which only 356.20 MW has been tapped and 25.5 MW is being tapped/under construction. In pursuit of harnessing this power potential, the State is taking up Survey & Investigation(S&I) of Small, Medium and Large Hydro Projects. At present, S&I is being taken up for 6(six) Medium and Large Projects, totaling to about 700MW. Meghalaya, with its considerable potential, have great prospects to enter the power market in Bangladesh as it is understood that Bangladesh has considerable requirement of Power for which there are inadequate internal sources to meet the demand. Further, as the state has surplus power during the

monsoons and is expected to have surplus power in the foreseeable future, once the power potential is harnessed, it can be a hub for exporting the power to the neighbouring country. The state can also provide transmission corridor to Bangladesh, evacuating future excess power available from other states like Arunachal Pradesh and even Sikkim and Bhutan.

**Other Sources of Renewable Energy**

Meghalaya is 100% Hydro based with generation of 80-90% of Installed Capacity during monsoon and 10% in the lean season. Therefore, requirement of additional source of energy in lean season (winter) is necessary.

In view of the above, the Government of Meghalaya has envisaged development of Solar Power Parks, another source of renewable energy. At present, development of Solar Parks of 10 MW each is being taken up by the State at Suchen and Thamar, East & West Jaintia Hills District, totaling to 20MW.

**Salient features of EOI:**

- Power Department shall invite bids from prospective developers who are willing to set up Hydro/Solar/Wind/Biomass power project on BOOT/BOOM/PPA Model in the State of Meghalaya.
- Power Department will assist in providing Land for setting up of Hydro/Solar/Wind/biomass Projects.
- The scope of the Developer will include Design, Engineering, Installation, Maintenance and Operations upto 40(Forty) years for Hydro/Solar/Wind/Biomass Power Project.
- The possible evacuation arrangement can be done to nearest 33/11 Kv substation.
- The bidders will be asked to submit their concept note and feasibility report along with the following,
  - Technical and financial Feasibility for the concept.
  - Bidder's technical and financial capability.

**Bidders scope of work:**

- The scope of work includes Design, Engineering, Manufacture, Supply, Erection, Testing, Commissioning and Operation for 40 Years on BOOT/BOOM/PPA Model in the State of Meghalaya.
- However, the projects would be technology agnostic within the technology approved by the Power department or its designated authority. Only commercially established and operational technologies can be used, to minimize the technology risk and to achieve the timely commissioning of the Projects.
- The Bidder shall submit their offers along with concept note, feasibility report, financial model.

**Submission of EOI:**

- Interested Bidders are required to submit the response with the complete information in all respect as per the enclosed format. The furnished information shall be supported with relevant documents if any.

**Disclaimer:**

Prospective respondent to this EOI acknowledges and agrees that:

- Power Department has issued this Expression of Interest with the best intention to explore the market for eligible and interested bidders and has no compulsions to enter into definitive contractual agreements. This EOI does not guarantee conversion of this EOI into any definitive contractual agreements.
- It is also agreed that Power Department in its sole discretion, may reject any and all proposals made by respondent(s), may change the conditions relating to the EOI or cancel this EOI at any time without assigning any reason.
- Prospective respondent(s) acknowledge and agree that response to the EOI is purely voluntary action on their part and for any expenditure on this account shall be borne by the respondent(s).
- The Bidders/Companies/developers who are interested are requested to submit their offer along with concept note, feasibility report, financial model in sealed envelope on or before 09/11/2020 at the office of Chief Technical Adviser (Generation), Power Department.
- Bidders can contact office of Chief Technical Advisor for more details about the locations of prospective power project sites and other necessary details for new and existing incomplete power projects on “as-on-where-is” basis.
- Final Allotment of Hydro/Solar/Wind/Biomass power project will done through separate competitive bidding between the Empanelled Partners.
- Pre-Bid Queries shall be sent on the following email address: [ctageneration@outlook.com](mailto:ctageneration@outlook.com)

**Who can apply:**

- Any Bidders/Companies/Developers/Start-Ups/MSMEs engaged in business of power Projects.

**Format for EoI**

| <b>S. No.</b> | <b>Description</b>  |
|---------------|---|
| 1.            | Name of the Company   |
| 2.            | Country where the Company is registered.<br>Status of the Company   |
| 3.            | a) Whether registered under the Companies act 1956 the Companies Act 2013.<br>b) If not, Country of Incorporation |
| 4.            | Net Worth of the Company (as on 31/03/2020 or closure of FY 20)<br>31/03/2020 or closure of FY 20).               |
| 5.            | Annual turnover of the Company as on 31/03/2020 or FY 20.   |
| 6.            | Past Experience in Hydro/Solar/Wind/Biomass Power Project.  |
| 7.            | Past Experience in Hydro/Solar/Wind/Biomass Power Project in North east (if any).                                 |
| 8.            | Total cumulative capacity installed in Hydro/Solar/Wind/Biomass Power Project.                                    |
| 9.            | Past Experience in operation & Maintenance of Hydro/Solar/Wind/Biomass Power Project installed.                   |
| 10.           | Financial model:  |
| 11.           | Feasibility report & concept note.  |

**Terms and Conditions:**

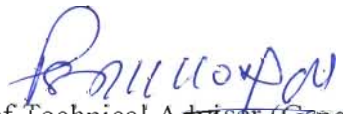
- Power Department has sole right to accept or reject any or all proposals/concepts.
- The last Date for the submission of EoI online on website [www.meghalayatender.gov.in](http://www.meghalayatender.gov.in) is on or before 09.11..2020.
- The Bidders/Companies who are interested are requested to submit their offer online along with financial model, type of technology, structure of joint venture/partnership, in sealed envelope on or before 09.11.2020.
- Point No.6,7 & 8 are exempted for MSMEs and Start-UPs.

Memo No.POWER.113/2020/24

Dated Shillong, the 02<sup>nd</sup> November, 2020.

Copy to :-

1. The Director of Information & Public Relations, Government of Meghalaya, Shillong for favour of Publication of the above notice in the 2 (two) National Dailies and two State/Local newspapers.
2. The State Informatic Officer (SIO), NIC, Shillong with a request to kindly place the above notice in the State portal for wide publicity.
3. The Chairman-cum-Managing Director, Meghalaya Energy Corporation Limited, "Lumjingshai", Shillong.
4. The Director (Generation), Meghalaya Power Generation Corporation Limited, Shillong for placing in MeECL's website.
5. The Director Distribution, MePDCL, Shillong.
6. The Director Transmission, MePDCL, Shillong.
7. The Chief Engineer (Civil), Maintenance & Small Hydro, MePGCL, Shillong.
8. The Chief Engineer (Civil), Hydro Planning & Small Hydro, MePGCL, Shillong.
9. The Joint Secretary to the Govt. of Meghalaya, Power Department.

  
Chief Technical Adviser (Generation)  
Power Department, Government of Meghalaya,  
Shillong.

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