

NOTICE INVITING TENDER (No.1 of 2024)

(Competitive Bidding)

Purpose	Selection of Transaction Adviser for Tuivai Hydro Electric Project (Public Private Partnership Project).
Eligibility	Empanelled Transaction Advisers Listed Vide No. F. No. 2/3/2021-PPP, Government of India, Ministry of Finance, Department of Economic Affairs dated 1 st July, 2022.
Propose under	IIPDF
Description	<p>Tuivai HEP installed Capacity is 3x70 MW and the estimated cost is 1750.60 crores at 2010 Price Level.</p> <p>Tuivai (210 MW) HEP is a hydroelectric project on river Tuivai located at Ngopa village within Saitual District of Mizoram. It is located 199 km from Aizawl, the nearest airport being at 250 km distance and 364 km from Silchar, the metre gauge railhead in Assam.</p> <p>Dam: A rock fill dam having a maximum height of 155 m is proposed to be constructed across the river with top of Dam at El 410 m. A concrete dam of this height is avoided because of the location being in high seismicity zone. The length of the dam at the top will be 534 m. The net storage capacity of the reservoir so created would be 66.30 Ham.</p> <p>Spillway: A chute spillway of 90 m width will be constructed on the left bank of the river to facilitate release of the design discharge of 7880 cumecs. The length of the spillway is 491 m excluding stilling basin (along the center-line). The spillway will have a 120 m long stilling basin along with 5 nos of bays and 4 nos. of piers.</p> <p>Diversion Tunnel: The diversion tunnel will be of 1200 m length, 12.5 m diameter to facilitate a design discharge of 1200 cumecs.</p> <p>Water Conductor System: Head Race Tunnel: The Head Race Tunnel will be located on the right bank and will be of 4950 m length and 6 m dia. for a design discharge of 132 cumecs. Surge Shaft: A surge shaft of 20 m diameter and 140 m height will be constructed. Penstock: A pressure shaft of 770 m length (upto portal) will also be provided.</p> <p>Power house: The Power House will be located on the right bank of the river, near Phuaibuang village and will house 3 nos of vertical Francis Turbine of capacity 70 MW each. The project will have an installed capacity of 210 MW with a firm power of 61.5 MW. At a load factor of 29%, the annual generation shall be 576.83 GWh.</p>

<p>Terms of Reference</p>	<p>Below are the key terms of reference:</p> <ol style="list-style-type: none"> 1. The Transaction Advisor (TA) shall review the DPR, by reducing the original dam height 155m to 104m so that reservoir will be fully contained within Mizoram and make necessary changes accordingly. <ol style="list-style-type: none"> i) The DPR shall be reviewed technically. ii) The DPR shall be reviewed financially. 2. The TA will work out the amount for VGF based on newly reviewed DPR. Finalized the financial and PPP model and the financing Plan to the satisfaction of the Sponsoring Authorities. 3. The TA shall ensure completion of the Structuring Work within the timeframe. 4. In performing its functions and duties under the Agreement, the TA shall act in trust and for the benefit of the Sponsoring Authority and DEA. 5. TA shall finalize the timelines for PPP bid process with the Project Sponsor. 6. RfQ launch: Launch RfQ process in market and conduct all stakeholders consultation and evaluation as appropriate to provide a short listing of qualified bidders to the project Sponsor for approval. 7. RfP Preparation and launch: Develop appropriate bid documents for RfP process including legal inputs on contract documents and assist in the bid process including evaluation and contract negotiation. 8. Deliverables/reports: <ol style="list-style-type: none"> i) Completion of RfQ related Pre-bid conference. ii) Submission of Reports: Final PPP and financial Structure, Social and Environmental reports. iii) Submission of Draft Project information Memorandum (PIM/RfP) iv) Launch RfP v) Contract Negotiations Completion – Contract signing or 3 months post bid closure date.
<p>Address</p>	<p>The bidders may submit their Proposal with the financial bid to the following address:</p> <p style="text-align: center;"> Engineer-in-Chief Power & Electricity Department Government of Mizoram Kawlphetha MINECO, Aizawl – 796001 Phone: +91 389 2336848 email: eincpower@gmail.com </p>

Contact Information	The Bidder may contact Power & Electricity Department, Government of Mizoram through Chief Engineer(Civil) Phone: +91 389 2336826 email: powercivilbranch@gmail.com
Submission Date	The financial bid may be submitted on or before 27 th March, 2024 @ 2:00 PM.
Bid Opening	The bid will be opened on the same day i.e. 27 th March, 2024 @ 2:00 PM.

(H. ZONUNSANGA)
Engineer-in-Chief
Power & Electricity Department
Mizoram : Aizawl

Dated, Aizawl, 22nd February, 2024

Memo No.6/20/A/2013-EC(PC)/7

Copy to:

- 1) The PPS to Hon'ble Chief Minister, Government of Mizoram for favour of information.
- 2) The PPS to Hon'ble Power Minister, Government of Mizoram for favour of information.
- 3) The PPS to the Chief Secretary, Government of Mizoram for favour of information.
- 4) The Commissioner/Secretary, Finance Department for favour of information.
- 5) The Deputy Secretary to the Government of India, Ministry of Finance, Department of Economic Affairs, Private Investment Unit for favour of information.
- 6) The Principal Information Officer, IT Department for posting NIT in www.tender.mizoram.gov.in with attach NIT document in soft copy.
- ✓ 7) Office guard file for uploading in Power & Electricity Department official website.


Engineer-in-Chief
Power & Electricity Department
Mizoram : Aizawl