

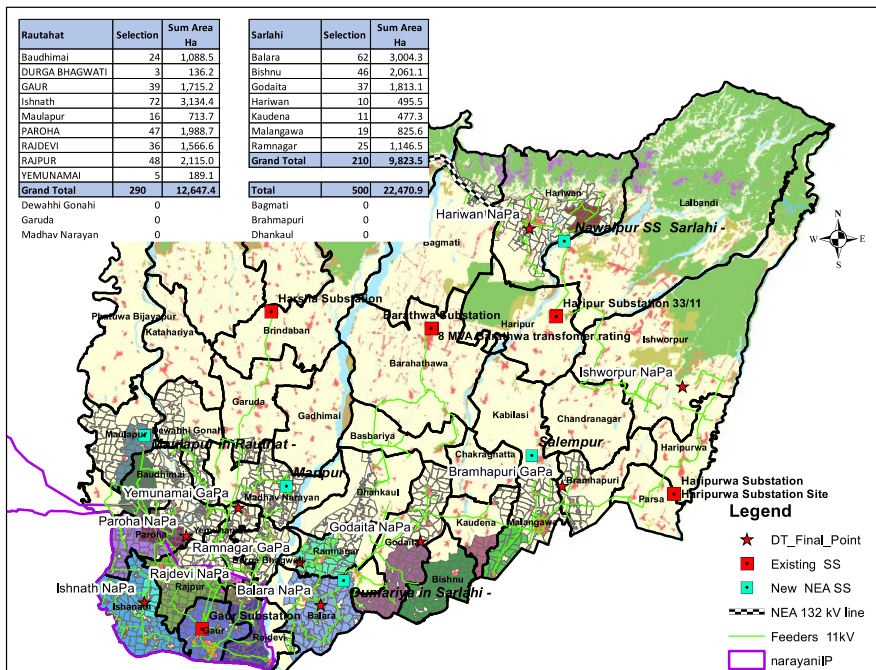
Procurement Notice

The Government of Nepal, through the Ministry of Energy, Water Resources and Irrigation has applied for financing from the Asian Development Bank (ADB) toward the cost of the **Mechanized Irrigation Innovation Project (MIIP)** under a Design, Build, and Operate (DBO) contract arrangement, whereby the Government intends to apply part of its budgetary allocation to payments under the contract for design, construction, operation and maintenance of the irrigation scheme. For this, the Government intends to construct a network of 500 publicly owned deep tube wells (DTWs) each irrigating approximately 40 hectares (ha) of land.



Project Location Map - Nepal

The feasibility study led by international consultants has identified 22,000 ha of land for groundwater irrigation in three water demand zones in the Sarlahi and Rautahat districts, Province 2, in the Terai Region of Nepal. Each of the 500 DTWs will have a command area of about 40 ha, with a water discharge of 40 liters/ second (l/s), which will be distributed to different parcels of the farm through a network of buried PVC pipes (or equivalent).



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The command area is located in three blocks, one each in the south of Rautahat and Sarlahi districts, and one in the north of Sarlahi District (see adjacent map).

For the design-build component of the DBO for each 500 tube well, the contractor will drill a pilot hole, design and construct the well, and install the pump. Topographic surveys will be done for each command area. The distribution network is designed to deliver 10 l/s to 4 outlets through pre-paid smart

card meters. Each DTW site will consist of one deep tube well, a variable speed pump, and a buried distribution network with four pre-paid meters.

Power supply may include the construction of about 100 transformers and 348 km of low voltage lines to the DTWs.

For the operations component of the DBO, the contractor will operate and maintain the as-built assets for a period of 15 years. The contractor's responsibilities will include operation and maintenance of tube wells, pre-paid meters, smart card payment system and distribution network. The contractor will also undertake necessary replacement of assets.

The initial design-build will be funded by the Government of Nepal using the above-mentioned ADB financing. The operation service will be funded out of the prepayment receipts from farmers. Institutional arrangements are currently being finalized to provide for the long-term sustainability of the project.

Noncommittal Request for Expressions of Interest

The Ministry of Energy, Water Resources and Irrigation (MEWRI) through the Department of Water Resources and Irrigation (DWRI) now invites eligible contractors to indicate their interest in providing the services. Interested contractors should provide information indicating that they are qualified to perform the services (brochures, description of similar assignments, experience in similar conditions, availability of appropriate skills among staff, etc.). Contractors are encouraged to associate to enhance their qualifications. A contractor will be selected in accordance with the procedures set out by the Asian Development Bank under the Procurement Regulations for ADB Borrowers (2017, as updated from time to time). Further details will be given to interested parties.

Interested contractors may obtain further information at the address below from 10:00 to 15:00 hours (Nepal standard time). Expressions of interest must be delivered to the address below by email **on or before 5 November 2021**.

A virtual road show is foreseen to be held on 11 November to present the project and reply to potential bidders' queries. Details on how to participate will be provided to contractors who submit expressions of interest.

MIIP Project Director

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