



GOVERNMENT OF KERALA
DEPARTMENT OF AGRICULTURE DEVELOPMENT & FARMERS WELFARE

Directorate of Agriculture
VikasBhavan
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No. TGII (2) 4077/2020/NS

Dated: 13.07.2020

Expression of Interest (Eoi) for low head high discharge pumping unit for dewatering in Kuttanad and Thrissur-Ponnani Kole Area

Department of Agriculture Development and Farmers Welfare Kerala desires to replace the traditional "petty and para" with various type of low head high discharge pumping unit under the schemes (i) Improved Infrastructural facilities to overcome flood and drought in Thrissur Ponnani Kole Lands for increased paddy production - replacement of Petty and Para with submersible vertical axial flow pump and (ii) Development of agriculture sector in Kuttanad - replacement of Petty and Para with vertical axial flow (VAF) pump / VAF submersible pump in Kuttanad.

Kuttanad Kole area (Alappuzha, Kottayam and Pathanamthitta Districts), Thrissur- Ponnani Kole area (Thrissur and Malappuram Districts) and other waterlogged areas of Kerala State is a low-lying area (nearly 0.5 m to 1.0 m below MSL). Paddy cultivation is practised in these areas by dewatering using indigenous pumping system known as Petty & Para. Due to its low efficiency, high cost of maintenance and chances of submergence during floods, the Agriculture Department decided to replace Petty Para with energy efficient pumping systems in these areas.

Paddy cultivation in Thrissur-Ponnani Kole area covers 13000 Ha. The operational head ranges from 2.0 m to 4.0 m. In this area approximately 300 Nos. of Petty & Para has to be replaced under this project. Kuttanad Kole area covers nearly 2300 Ha with operational head ranging from 2.0 m to 3.0 m. In this area approximately 39 Nos. of Petty & Para has to be replaced under this project.

In this context Agriculture Department desires to empanel suitable pumping system manufacturers/ dealers authorised by manufacture/ distributors authorised by manufacture to dewater the paddy fields in Kuttanad, Thrissur-Ponnani Kole area of Kerala State. Eoi is invited from parties experienced in the field for empanelling in the select list.

The pumping unit should be capable of handling raw/ saline/ acidic/ sewage and silt water containing fibrous wastes, solids particles, water hyacinth and coconut buttons. The impeller should be non-clog as well as

made up of rust free strong and unbreakable materials. It should not have any soft metal bearing & bushes. The material for line shaft, impeller and bowl should be at least SS 316 or equivalent and F class electrical insulation. In saline water conditions the pump body should be SS 316 or equivalent and other conditions MS or equivalent material.

Pumping units having high discharge with more than 80% efficiency will be empanelled. The duty point head will be 3.5 m and the working head range should be 2.0 m to 4.5 m with high discharge ranging from 170 lps to 1700 lps.

The tender is to be submitted as e-tenders through <https://etenders.kerala.gov.in>. Since this is an e-tender, only those bidders who have enrolled in the above portal with their own digital signature certificate (DSC) can participate in the tender. E-Tender document and other details can be obtained from the above e-portal.

Document sale start date	: 13.07.2020
Last date & time of receipt of e-Tender	: 30.07.2020 – 2.00 PM
Date & Time of opening of e-Tender	: 01.08.2020– 2.30 PM

The eligible bidders will be scrutinized by the committee constituted for the purpose. The rules and regulations prescribed for e-tenders by the Government of Kerala shall be applicable to this e- tender also.

Special Conditions:

1. The following documents are to be submitted with the EoI.
 - a) Covering Letter (Appendix I).
 - b) Company profile with details of manufacturers / dealers/ authorized service centre in Kerala (Appendix -II)
 - c) Declaration of the product offered by the Bidder (Appendix -III).
 - d) The firm shall submit the manufacturing capabilities of pumping system components (Appendix IV).
 - e) Details of similar installations carried out in the last three years with proof if any in Kerala State and or outside (Appendix V).
 - f) The firm shall submit the audited statement for the last three years in proof of turn over.
 - g) The firm shall submit the highest single contract work details with proof of Completion Certificate.
 - h) The firm should give comprehensive guarantee for 3 Years and terms and conditions of AMC thereafter shall be furnished along with EoI. The life expectancy of pumping unit, nearest service point, maximum service response time should be submitted along with EoI (Appendix -VI).

- i) The catalogue/ leaflets/ pamphlets/ details etc.
2. Additional information if any required can be had from the State Agricultural Engineer in the address mentioned below.
 3. Energy efficiency at duty point head and discharge and durability of the system will be of primary concern. EoI evaluation will involve recording and analysing the merits of each bid. Based on the ranking, eligible bidders will be shortlisted for empanelment. Limited tender may be called from the empanelled list for the supply, installation, commissioning and trial run of energy efficiency pumping units.
 4. The undersigned has the right to amend or cancel any of the terms and conditions as per requirement and expert opinion before the date and time of opening and such amendments will only be posted on the e tender website. The bidders are requested to browse the website on a daily basis for information on the EoI.
 5. The undersigned has the power to cancel this EoI without assigning any reason thereof.
 6. One set of hard copies of all tender documents should be submitted to the below address before the opening of e tender with superscription as **"TGII (2) 4077/2020- EoI for low head high discharge pumping unit for dewatering in Kuttanad and Thrissur - Ponnani Kole Areas"**.
 7. Any legal dispute that may arise in relation to the tender formalities will be restricted to the jurisdiction of Thiruvananthapuram District Court.

Communications to be addressed to:

Directorate of Agriculture
VikasBhavan, PO
Thiruvananthapuram
Pin code -6950033
Phone: 0471-2306748

**For Director of Agriculture
State Agricultural Engineer (I/c)**

Validity unknown

Digitally signed by V B
Date: 2020.07.13 13:09:24 IST
Location: Kerala-K

