

GOVERNMENT OF KERALA
Agriculture Department

O/o, State Agricultural Engineer,
Directorate of Agriculture

No :AGRI/DOA/203/2023-2024

Dated :16-03-2024

NOTICE INVITING TENDER

e-Government Procurement (e-GP)

TENDER NO. :AGRI/DOA/TR/88/2023_5_1_1/2

The **State Agricultural Engineer Agriculture Department, (AGRI)**O/o Office of the **State Agricultural Engineer ,Directorate of Agriculture**for and on behalf of the **Governor of Kerala** invites online bids for the work detailed below from the **Registered Bidders of Kerala PWD** or from any **State or Central Government Engineering Departments** which are having similar functionalities like **Kerala PWD**.

1	Name of Work	NABARD-RIDF XXIX-Installation of Flood Resilient and Energy Efficient Dewatering Devices in Low lying Rice Fields of Thrissur - Construction of Five SVAF Pump Houses-General Civil Work
2	Location of Work	Thrissur
3	Estimated Cost of Work	Rs.8651123/-

4	Brief Description of Work	<p>This part of the project propose infrastructure development such as Pump house, sump pit at five Padasekharams that are specifically constructed for the installation of submersible pumps including the lifting arrangement which will help to install the pump as well as to lift the pump during the maintenance with less effort.</p> <p>Location 1: Penakam Kizhakkepuram Puncta Kole Padavu</p> <p>The proposed work consists of the construction of pump house and sump pit. The estimate includes the construction of a ring bund around the project area, bailing out the water from the project site to enable the earthwork excavation for the sump pit and drainage channel. The work includes earthwork excavation for the sump pit, drainage channel, and pump room area. In the sump location, Coconut-piling is proposed for 3 m length, filling a layer of quarry muck 35cm, foundation concrete bed using CC 1:3:6 30 cm thick. The sump pit bottom and side walls are constructed with RCC 1:1.5:3. The drainage channel bottom bed is constructed by providing quarry muck for a thickness of 20cm, CC 1:3:6 with a thickness of 20cm, RCC 1:1.5:3 for the thickness of 20cm and side walls are constructed with RCC 1:1.5:3. The top slab channel for the drainage channels are constructed with RCC 1:1.5:3. The pump room is constructed along the side of the sump to store the pump control panel and other accessories. The size of the proposed pump room is 3.75 x 2.8m. The base of the walls is constructed with DR masonry, RR masonry, and the walls are constructed using solid brick masonry. The roof of the pump room is constructed using GI Trafford sheet. Provision for one concrete window and 2 nos of rolling shutters is provided for the pump room. Provision is provided above the sump pit for lifting the submersible pump using I beam of size ISMB 200 as support post 4 no, Cross support 2 no using ISMB 200.</p> <p>Location 2: Mundurthazham Kole Padavu</p> <p>The proposed work consists of the construction of pump house over existing Thara and sump pit. The estimate includes the construction of a ring bund around the project area, bailing out the water from the project site to enable the earthwork excavation for the sump pit and drainage channel. The work includes earthwork excavation for the sump pit, drainage channel, and pump room area. In the sump location, Coconut-piling is proposed for 3 m length, filling a layer of quarry muck 35cm, foundation concrete bed using CC 1:3:6 30 cm thick. The sump pit bottom and side walls are constructed with RCC 1:1.5:3. The drainage channel bottom bed is constructed by providing quarry muck for a thickness of 20cm, CC 1:3:6 with a thickness of 20cm, RCC 1:1.5:3 for the thickness of 20cm and side walls are constructed with RCC 1:1.5:3. The top slab channel for the drainage channels are constructed with RCC 1:1.5:3. The pump room is constructed on the existing thara along the side of the sump to store the pump control panel and other accessories. The size of the proposed pump room is 4.15 x 4.15 m. The base of the walls is constructed with DR masonry, RR masonry, and the walls are constructed using solid brick masonry. The roof of the pump room is constructed using GI Trafford sheet. Provision</p>
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		<p>for one concrete window and 2 nos of rolling shutters is provided for the pump room. Provision is provided above the sump pit for lifting the submersible pump using I beam of size ISMB 200 as support post 4 no, Cross support 2 no using ISMB 200.</p> <p>Location 3: Vadakke Ponnorthazham Kole Padavu</p> <p>The proposed work consists of the construction of sump pit and drainage channel leading to the existing discharge channel as the existing pump house is in good condition. The estimate includes dismantling of roof sheet, steel work, DR of existing Parakkuzhi. The ring bund is constructed around the project area, bailing out the water from the project site to enable the earthwork excavation for the sump pit and drainage channel. The work includes earthwork excavation for the sump pit, drainage channel. In the sump location, Coconut-piling is proposed for 3 m length, filling a layer of quarry muck 35cm, foundation concrete bed using CC 1:3:6 30 cm thick. The sump pit bottom and side walls are constructed with RCC 1:1.5:3. The drainage tank bottom bed is constructed by providing quarry muck for a thickness of 20cm, Dry rubble masonry with dismantled quantity for 1m depth, CC 1:3:6 with a thickness of 20cm, RCC 1:1.5:3 for the thickness of 20cm and side walls are constructed with RCC 1:1.5:3. A lining for existing drainage channel is also provided. The top slab channel for the drainage channels are constructed with RCC 1:1.5:3. Provision is provided above the sump pit for lifting the submersible pump using I beam of size ISMB 200 as support post 4 no, Cross support 2 no using ISMB 200.</p> <p>Location 4: Vendarappadam</p> <p>The proposed work consists of the construction of Sluice with sump pit area and Pump house. The estimate includes the construction of a ring bund around the project area, bailing out the water from the project site to enable the earthwork excavation for the sluice. The work includes earthwork excavation, Coconut-piling for 3m length, filling a layer of quarry muck 35cm, foundation concrete bed using CC 1:3:6 30 cm thick. The sluice bottom, pier and side walls are constructed with RCC 1:1.5:3. The top slab is constructed with RCC 1:1.5:3. The pump room is constructed over the sluice to store the pump control panel and other accessories. The size of the proposed pump room is 2.0 x 2.7 m. The walls are constructed using solid brick masonry. The roof of the pump room is constructed using GI Trafford sheet. Provision for one concrete window and 1 nos of rolling shutters is provided for the pump room. Provision is provided above the sump pit for lifting the submersible pump using I beam of size ISMB 200 as support post 2 no, Cross support 1 no using ISMB 200.</p> <p>Location 5: Ettumuna Kole Padavu</p> <p>The proposed work consists of the construction of sump pit and drainage tank leading to the existing discharge channel. The estimate includes the construction of ring bund around the project area, bailing out the water from the project site to enable the earthwork excavation for the sump pit and drainage channel. The work includes earthwork excavation for the sump pit, drainage channel. In the sump location, Coconut-</p>
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Bonus will be paid to the bidder at the rate of 1% of the estimated PAC, subjected to a maximum of Rs.5 lakhs (Five lakhs) in case of works which exceed TS power of Superintending Engineer and also if and only if the work is completed within 85% of the original time of completion(TOC) specified in the TS estimate which is calculated as per the guidelines issued by the Chief Engineer of each wing.

The State Agricultural Engineer, Agriculture Department (AGRI), O/o Office of the State Agricultural Engineer, Directorate of Agriculture reserves the right to accept or reject any or all tenders without assigning any reason thereof.



State Agricultural Engineer

V. BABU

PEN: 512348

Agriculture Department (AGRI) Engineer
Directorate of Agriculture

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Directorate of Agriculture

(For and on behalf of Governor of Kerala)

