

GOVERNMENT OF KERALA
DEPARTMENT OF AGRICULTURE

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EE(2)1017/2019

Dated: 17.12.2019.

Tender ID: 2019_AGRI_329935_1

TENDER NOTICE

Notice inviting e-tender for the Supply of Energy Efficient Pumpsets for Thrissur and Ponnani Kole lands.

On behalf of Government of Kerala e-tender in **two cover** system is invited from manufactures/distributors/dealers/firms for the Supply of Energy Efficient Pumpsets for Thrissur and Ponnani Kole lands of the following specification:

Sl. No.	Description of Machinery	Quantity Required	Cost of Tender forms
01	<p>Supply of 50 HP Submersible Vertical Axial flow Pumpset with column pipe: Supply Installation testing and commissioning of 50HP Submersible Vertical Axial flow Pumpset with column pipe. The pump shall have minimum of discharge 600 to 700 LPS or more at 3.5 to 3.0 meters head, 750(Syn) RPM, with Minimum motor efficiency of 81% and pump efficiency 70 %. The Motor shall be Vertical TEWC submerged motor of speed 750(Syn) suitable for operation of 3 Phase +/- 10 %, 50 Hz +/- 5 % with class " F" insulation. The MoC of the pump should be of Bowl/Casing - CI FG260 With 2 %NICI or Ductile Iron , Impeller- SS316, Shaft - SS316, casing Column pipe - SS 304 with 6 mm thick Dia 700 mm (with anti corrosive good quality epoxy coating and coating with suitable liquid hardner inside and outside), (Length of casing pipe up to bottom of delivery pipe should be 2.5 to 3m or as per site requirement) and Non submerged Horizontal Delivery pipes 600mm shall be MS with 6 mm / HDPE PN 6 pipe of length 3 meter or as per site requirement (MS pipe 6mm thick complete with anti corrosive good quality epoxy coating and coating with suitable liquid hardner inside and outside)with protective</p>	29 Nos	1,02,700/-

Sl. No.	Description of Machinery	Quantity Required	Cost of Tender forms
	<p>steel The portion of delivery pipe above sluice shutter portion should be connected with dismantable flange with washer for a length of 1m and delivery pipe at the sluice side should be supported with 100x60mmx6mm I section. A metal strainer of mesh size 5cm x 5cm to be fitted at bottom of casing pipe with 6/8mm rods with anti corrosive coating. The metal frame at bottom of pumpset should be made with good quality iron section and should be coated with anti corrosive good quality epoxy coating and coating with suitable liquid hardner. The Auto transformer Starter shall be made of MS cubical floor mounted with incomer MCCB of 125 Amps including suitable metering ,LED Indications, protection, selector switch, single phase/ dry running preventer, capacitor of 12.5 KVAR capacitor, with necessary wiring and earthing etc as per KSEB and Electrical Inspectorate norms .The Pump set should supplied with suitable Copper power cable of 20 mts or as per site requirement. Installation including civil work and road and water Conveyance of machinery to Site. 6 Guage weld mesh 5cm x 5cm mesh size frame should be placed outer side of pumpset for a distance of about 2m to block incoming debris coming to the pumpset through inflow water.</p>		
02	<p>Supply of 30^{HP} Submersible Vertical Axial Flow pump set with column pipe: Supply Installation testing and commissioning of 30 HP Submersible Vertical Axial Flow pump set with column pipe . The pump shall have minimum of discharge 450 to 650 LPS or more at 3.0 to 2.0 meters head, 750(Syn) RPM,with Minimum motor efficiency of 81% and pump efficiency 70%. The Motor shall be Vertical TEWC submerged motor of speed 750(Syn) suitable for operation of 3 Phase +/- 10 %, 50 Hz +/- 5 % with class " F" insulation. The MoC of the pump should be of Bowl/Casing - CI FG260 With 2 %NICI or Ductile Iron, Impeller-SS316, Shaft - SS316, casing Column pipe - SS 304 with 6 mm thick Dia 600 mm (with anti corrosive good</p>	1 No	

Sl. No.	Description of Machinery	Quantity Required	Cost of Tender forms
	<p>quality epoxy coating and coating with suitable liquid hardner inside and outside), (Length of casing pipe up to bottom of delivery pipe should be 2.0 to 2.5m or as per site requirement) and Non submerged Horizontal Delivery pipes 500mm shall be MS with 6 mm / HDPE PN 6 pipe of length 3 meter or as per site requirement (MS pipe 6mm thick complete with anti corrosive good quality epoxy coating and coating with suitable liquid hardner inside and outside)with protective steel The portion of delivery pipe above sluice shutter portion should be connected with dismantable flange with washer for a length of 1m and delivery pipe at the sluice side should be supported with 100x60mmx6mm I section. A metal strainer of mesh size 5cm x 5cm to be fitted at bottom of casing pipe with 6/8mm steel rods with anti corrosive coating. The metal frame at bottom of pumpset should be made with good quality iron section and should be coated with anti corrosive good quality epoxy coating and coating with suitable liquid hardner. The Auto transformer Starter shall be made of MS cubical floor mounted with incomer MCCB of 75 Amps including suitable metering ,LED Indications, protection, selector switch, single phase/ dry running preventer, capacitor of 7.5 KVAR capacitor, with necessary wiring and earthing etc as per KSEB and Electrical Inspectorate norms .The Pump set should be supplied with suitable Copper power cable of 20 mts or as per site requirement. Installation including civil work and road and water Conveyance of machinery to Site. 6 Guage GI weld mesh 5cm x 5cm mesh size frame should be placed outer side of pumpset for a distance of about 2m to block incoming debris coming to the pumpset through inflow water.</p>		
03	<p>Supply of 20 HP Submersible Vertical Axial Flow pump set with column pipe: Supply Installation testing and commissioning of 20 HP Submersible Vertical Axial Flow pump set with column pipe. The pump shall have minimum of discharge 200 to</p>	1 No	

Sl. No.	Description of Machinery	Quantity Required	Cost of Tender forms
	<p>300 LPS or more at 3.75 to 3.0 meters head, 750/960(Syn) RPM,with Minimum motor efficiency of 81% and pump efficiency 70%. The Motor shall be Vertical, TEWC submerged motor of speed 750/960(Syn) suitable for operation of 3 Phase +/- 10 %, 50 Hz +/- 5 % with class " F" insulation. The MoC of the pump should be of Bowl/Casing - CI FG260 With 2 %NCKI or Ductile Iron , Impeller-SS316, Shaft - SS316, casing Column pipe - SS 304 with 6 mm thick Dia 400/500 mm (with anti corrosive good quality epoxy coating and coating with suitable liquid hardner inside and outside), length of casing pipe up to bottom of delivery pipe should be 2.0 to 2.5m or as per site requirement) and Non submerged Horizontal Delivery pipes 300/400mm shall be MS with 6 mm/HDPE PN 6 pipe of length 3 meter or as per site requirement (MS pipe 6mm thick complete with anti corrosive good quality epoxy coating and coating with suitable liquid hardner inside and outside)with protective steel The portion of delivery pipe above sluice shutter portion should be connected with dismantable flange with washer for a length of 1m and delivery pipe at the sluice side should be supported with 100x60mmx6mm I section. A metal strainer of mesh size 5cm x 5cm to be fitted at bottom of casing pipe with 6/8mm steel rods with anti corrosive coating. The metal frame at bottom of pumpset should be made with good quality iron section and should be coated with anti corrosive good quality epoxy coating and coating with suitable liquid hardner. The Auto transformer Starter shall be made of MS cubical floor mounted with incomer MCCB of 63 Amps including suitable metering ,LED Indications, protection, selector switch, single phase/ dry running preventer, capacitor of 7.5 KVAR, with necessary wiring and earthing etc as per KSEB and Electrical Inspectorate norms .The Pump set should supplied with suitable Copper power cable of 20 mts or as per site requirement. Installation including civil work and road and water Conveyance of machinery to Site. 6 Guage GI weld mesh</p>		

Sl. No.	Description of Machinery	Quantity Required	Cost of Tender forms
	5cm x 5cm mesh size frame should be placed outer side of pumpset for a distance of about 2m to block incoming debris coming to the pumpset through inflow water.		

In accordance with respective specification as shown in the tender documents, the tender is to be submitted as e-tenders through etenders.kerala.govt.in. Since this is an online process only those bidders who have enrolled in the above portal with their on digital Certificate (DSC) can participate in the tender. E-tender document and other details will be obtained from the above portal.

Document sale start date	: 17.12.2019, 06.00 PM
Document sale end date	: 20.01.2020 11.00 AM
Bid Submission start date	: 17.12.2019 06.00 PM
Last date and time of receipt of e-tender	: 20.01.2020 11.00 AM
Date and time of opening of technical bid	: 23.01.2020, 11.30 AM
Tender Fee (online Payment)	: 1,02,700/-
EMD (online Payment)	: One percent of quoted amount.
Date upto which the rates are to remain	
Firm for acceptance	: 90 days
Performance Security	: 5% of quoted amount.
Period of Supply	: 90 days from the date of supply order

Tenders will be opened online in the presence of such bidders or their authorized representatives who have logged in at the prescribed time of opening. If the date fixed for opening happens to be a holiday or due to net failure the tenders will opened in the next working day at the same time.

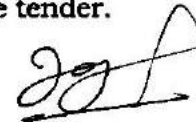
Scanned copy of the Agreement in the prescribed format in Kerala Stamp paper worth Rs. 200/- should be submitted online and original to the undersigned before the opening of e-tender. The rate should be quoted in Indian Currency only.

The rules and regulations prescribed for e-tenders by the Govt. of Kerala shall be applicable to this e-tender also.

Special Conditions:-

- The basic rate quoted should be inclusive of all charges for supply, installation, trial run, commissioning, transportation, handling, all taxes etc. but excluding GST. GST has to be quoted separately in GST Column. The firm has to supply the items at the location specified as per direction from the undersigned.
- The Bidder should specify the make and model of pumpset.
- The Bidder should submit authorized dealership/Distribution ship certificate from Manufacturer.
- The supplier should confirm the repair and service facilities, availability of spare parts etc. of the items supplied by them for a period of 5 years..

- The Executive Engineer (Agri.) Kozhikode reserves the right to award only full quantity of supply to any other supplier or distribute the supply to different suppliers as per decision of the technical committee constituted for the purpose,
- A scanned copy of preliminary agreement signed in Kerala Stamp Paper worth Rs. 200/- should be uploaded along with tender documents.
- The successful tender will have to execute an agreement in Stamp Paper worth Rs.200/- in prescribed form and manner and also to furnish the required security amount @ 5% of total quoted amount within 14days of the receipt of supply Order.
- The payment shall be released only after satisfying the quantity, quality, specifications of the items supplied and success of the trial run and commissioning of the item supplied and inspection of the technical committee constituted for the same.
- Tender received incomplete in respect will be summarily rejected and the decision of the undersigned on such matters will be final.
- The supply should be completed within 90 days on receipt of the supply order.
- Selected firm /manufacturer should complete the constructions if any required at their own risk and cost for the erection.
- A minimum warranty period of two years is to be assured for the items supplied.
- All annexure should be duly filled and uploaded with the tender.



EXECUTIVE ENGINEER (AGRI)