

**GOVERNMENT OF KERALA**  
**Directorate of Agriculture Development and Farmers' Welfare**  
Vikas Bhavan, Thiruvananthapuram – 695033  
e-mail:cru.agridir@kerala.gov.in / saekerala@gmail.com  
Phone: 0471-2306748 / 9383470065

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No:ADFW/8308/2024-TG-II(2) (1) NS

Date:26-11-2024

**NOTICE INVITING TENDER**

**(E-tender ID : 2024\_AGRI\_707450\_1)**

Notice inviting E-tender for the supply, installation, trial run and commissioning of Submersible Vertical Axial Flow pump sets under the project NABARD RIDF XXIX - Replacing of petty and para indigenous technology with energy efficient pumpsets for dewatering Kuttanad paddy fields in 8 Grama Panchayaths of Kottayam, Kaduthuruthy, Uzhavoor, Ettumanoor blocks in Kottayam district of Kerala with prime mover, delivery line, panel board and all other accessories.

On behalf of Governor of Kerala E-tender in two cover system is invited from manufactures or their authorized dealers or authorized distributors or authorized suppliers for the supply, installation, trial run and commissioning of submersible axial flow pump sets and all other accessories with the following specifications, by the Director of Agriculture, Thiruvananthapuram.

Supply, installation, testing, trial run and commissioning of Submersible Vertical Axial Flow Pumpset for various padashekaram of Kottayam district with the specifications listed below:

Suitable for handling silty, fresh and salty water with rpm 960 (Syn) or less. The material of construction of the casing, suction bell shall be CIFG 260 with 2% NiCl, impeller CF8M (SS) with SS 316 shaft, vertical submerged column pipe should be of SS 304 and horizontal delivery pipe (varies from 4 to 10 m length as per site conditions) of SS 304 with 6 mm minimum thickness. A metallic non-corrosive strainer of mesh size not more than 50 mm x 50 mm should be fitted at mouth of suction column. Any hanging portion of the delivery pipe should be supported with suitable

metallic supporting frames or RCC pillars of suitable size as per site requirements. The prime mover for the pump should be 3 phase Totally Enclosed Water-Cooled squirrel cage submersible induction motor of reputed make operating at 415V+/- 10%, 50Hz+/-5%, connection with "F" class insulation, control panel must have dust and vermin proof vertical mounted cubical type panel board with FCMA soft starter of reputed make, MCCB including phase failure protection, surge protection devise, dry run protection, overload over current protection, thermal over load protection relay, earth fault relay, voltmeter, ammeter, fault indication start and stop switches, power factor correction capacitor, LED indicator, selector switch, wiring and earthing should be as per regulations and specifications of KSEB and Electrical Inspectorate.

Separate cubical type energy meter panel with CT metering provision including 4 Pole FN type isolator, HRC fuse carrier, RCCB, HRC fuses and required water proof copper cable for connection from electric post to meter box and meter panel to motor control panel etc. with proper earthing and cable termination should be as per the regulations and specifications of KSEB and Electrical Inspectorate standards.

A screen with 6 mm GI welded mesh with 50 mm x 50 mm opening size, (about 20 sq.m area) framed in GI angles and GI tubes shall be fitted at the opening on top and sides of sump to prevent entry of unwanted materials to the pump through inflow water.

Rate quoted should be inclusive of all the charges for supply, installation including trial run and commissioning, all types of transportation and conveyance, loading and unloading charges, charges for factory testing, but excluding GST etc.

Sl. No.	Duty point head (m)	Minimum discharge at duty point head (lps)	Working head range (m)	Minimum overall efficiency (%) at duty point head	Available connected load (hp)	Quantity (No.)
1	3	750	1 to 4.5	70	50	4
2	3	800	1 to 4.5	70	60	1
			1 to 4.5			

3	3	400		70	30	3
4	3	250	1 to 4.5	70	20	2
5	3	550	1 to 4.5	70	40	1

In accordance with respective specification as shown in the tender documents, the tender is to be submitted as e-tenders through <https://etenders.kerala.gov.in/>. Since this is an online process 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 portal. Details of locations of proposed installation and power availability at sites are appended.

EMD (online payment): ₹2,38,500/-

Tender Fee (online payment + GST payment): ₹47,700/-+ ₹8,586/- (18% GST paid directly to GST department)

Document sale start date: 26/11/2024, 6 p.m.

Bid Submission start date: 29/11/2024, 6 p.m.

Last date and time of receipt of e-tender: 30/12/2024, 3 p.m.

Date and time of opening of technical bid: 31/12/2024 : 11 a.m.

Date upto which the rate is to remain firm for acceptance : 120 days

Performance Security: 5 % of quoted amount

Period of completion : 12 months

Bidders shall remit the tender document fee and EMD using the online payment option of e-procurement system. GST for tender fee (₹8,586/-) should be paid separately and the Chelan must be uploaded with the bid document.

Scanned copy of the preliminary agreement in the prescribed format in Kerala Stamp paper worth ₹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 regulation prescribed for e-tenders by the Govt. of Kerala shall be applicable to this e-tender also.

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 be opened in the next working day at the same time.

In the bid, the following documents should be submitted by online.

- 1) BOQ duly filled uploaded in the e tender portal.
- 2) Technical data sheet duly filled and signed (Annexure I). Use separate data sheet for each items quoted.
- 3) If any more information to be furnished.
- 4) Scanned copy of performance curve.
- 5) Schedule of rates for spare parts and service charges for seven years after the warranty period.
- 6) Details of AMC for seven years after the warranty period.
- 7) E-payment form duly filled and signed.
- 8) Proof of original manufacturer/authorized dealers/distributor/supplier (copy of authorization letter).
- 9) Scanned copy of preliminary agreement executed in Kerala Stamp Paper worth ₹200/-.
- 10) EMD exemption certificate (if any) should be submitted online.
- 11) Form No.14 duly filled and signed.
- 12) Tender Notice and Special condition of Tender duly signed.
- 13) Experience Certificates.
- 14) Proof of payment of GST amount of tender fee.

#### General Requirements

- 1) The efficiency of the pumping unit supplied shall be as high as practicable, consistent with the best modern design.
- 2) The pump set shall be capable of operating in open conditions in the range without being overloaded at any point with a margin of at least 10% of power in the motor pump set over entire operating range.
- 3) The pump set characteristics shall be of stable nature such that the efficiency is fairly steady for the water level variations. The maximum efficiency point will be nearer to the duty point and fairly constant for larger range on either side. The pump sets should run smoothly over the entire operating range without cavitations and vibration. The variation in the efficiencies for any point of operation in the entire operating range should be minimum.
- 4) The pump set shall be suitable for pumping of raw/brackish/saline water containing silt, coarse sand and gravel/suspended solids up to 50 mm size.
- 5) The pump set shall be suitable for non-stop continuous 24 hours

operation without interruption.

6) The pump set shall be Axial Flow type with fixed blade angle according to the type used. The pump sets shall be comprised of suction bell mouth pump casing, impeller and motor on single common shaft, long life anti friction bearing (drive and non driving end) oil chamber with mechanical seals etc

7) The supplier shall furnish the following documents

- a) Final constructional drawings of the pump set.
- b) Operation, maintenance and spare parts manual for pump set.
- c) Weight of pump set and required minimum crane capacity.
- d) Material of casting certificate for pump components

8) The pump set manufacturer has to declare the performance parameters separately as Guaranteed Performance Parameters. These shall include discharge, pump set efficiency and overall efficiency.

9) The manufacturer has to provide technical data as given in Annexure - I, declaration of the product offered, for the product they have quoted.

10) Bidders are permitted to submit only one make and model for each item. Quoting more than one make and model for a single item will result in the rejection of the technical bid.

### Special Conditions

1) The firm must have a minimum of two years of experience in similar types of work.

2) The basic rate quoted should be inclusive of all charges for supply, installation, trial run, commissioning, transportation, handling charge, etc., but excluding GST. Prevailing GST rate at the time of procurement will be applicable separately.

3) The firm has to supply the items at the location specified or as per direction from the undersigned.

4) The successful bidder will be bound to supply the items as per the requirement of the Tender Inviting Authority (TIA).

5) The bidders can quote, for all / any / some of the items as per their choice, but the cost of tender form and EMD remains the same.

6) Bidder has to pay the GST portion of tender fee directly to GST Department and upload the Chelan in the portal and also submit along with the hard copy of tender documents.

7) The Bidder should specify the Make and Model of pump set quoted.

8) The bidder must provide authorization letter

(manufacture/dealer/distributor/ supplier) from the manufacturer.

9) The supplier should confirm the repair and service facilities, availability of spare parts etc. of the items supplied for a minimum period of 10 years. The selected bidder should attend the pump set and rectify the trouble within 48 hours in case of registration of complaints.

10) Schedules of rates for spare parts and services should be submitted along with the bid documents.

11) Training programmes in operation and minor repair should be arranged for selected pump operators and Padasekhara samithi members (three times the number of pump sets supplied) and training programme on repair and maintenance should be arranged for selected technical persons (number equal to the number of pumpsets supplied) by the supplier at their own cost.

12) All pump set shall be subjected to performance test as per IS 9137 at manufacturer's work for different head, discharge and efficiency in presence of tender inviting authority or authorized persons.

13) The Tender Inviting Authority reserves the right to order full quantity of supply to any one bidder or distribute the supply to different bidders as per decision of the technical committee constituted for the purpose.

14) The successful bidder will have to execute an agreement in Kerala Stamp Paper worth ₹200/- in prescribed form and manner and to furnish the required security amount @ 5% of total quoted amount within 14 days of the receipt of selection notice. The security deposit will be disbursed within 28 days after the successful completion of the Defect Liability Period of three years.

15) Tenders, incomplete in any respect, will be summarily rejected and the decision of the TIA will be final.

16) The supply, installation, testing, trial run and commissioning should be completed within 12 months on receipt of the supply order.

17) Satisfactory completion certification should submit for each installation from Electrical Inspectorate.

18) Bidders should be prepared to do necessary civil construction works associated with the installation, if any required, within the quoted amount.

19) Bidders are advised to visit the location of proposed installations, before quoting.

20) The payment shall be released only after satisfying the quantity, quality and specifications of the items supplied and successful commissioning and trail run of the item supplied by the bidder and inspection of the technical committee constituted for the same.

21) A minimum warranty period of three years is to be assured for all the

items supplied and the details of AMC, thereafter, for period of seven year should be mentioned along with the tender documents.

22) All Annexure should be duly filled and uploaded with the tender.

23) Any legal disputes that may arise in relation to the e-tender formalities will be restricted to the jurisdiction of Thiruvananthapuram District Court.

Communications to be addressed to:

Director of Agriculture

Agriculture Development and Farmers Welfare Department

Vikas Bhavan

Thiruvananthapuram

Kerala PIN : 695033


saekerala@gmail.com

MEENA T D  
ADDITIONAL DIRECTOR OF AGRICULTURE(CP)

Signed by

Meena T D

Date: 26-11-2024 14:52:09

Kerala Tenders		eTendering System Government of Kerala	
Tender Details		Date : 26-Nov-2024 06:07 PM	
 Print			
<b>Basic Details</b>			
<b>Organisation Chain</b>	Department of Agriculture  Directorate of Agriculture		
<b>Tender Reference Number</b>	ADFW/8308/2024-TG-II(2)(1)/NS		
<b>Tender ID</b>	2024_AGRI_707450_1	<b>Withdrawal Allowed</b>	Yes
<b>Tender Type</b>	Open Tender	<b>Form of contract</b>	Item Wise
<b>Tender Category</b>	Goods	<b>No. of Covers</b>	2
<b>General Technical Evaluation Allowed</b>	No	<b>ItemWise Technical Evaluation Allowed</b>	Yes
<b>Payment Mode</b>	Online	<b>Is Multi Currency Allowed For BOQ</b>	No
<b>Is Multi Currency Allowed For Fee</b>	No	<b>Allow Two Stage Bidding</b>	No
<b>Payment Instruments</b>		<b>Cover Details, No. Of Covers - 2</b>	
<b>Online Bankers</b>	<b>S.No</b>	<b>Bank Name</b>	<b>Cover No</b>
	1	SBI MOPS	
			<b>Cover</b>
			<b>Document Type</b>
			<b>Description</b>
			1
			Fee/PreQual/Technical .pdf
			Technical data sheet duly filled and signed (Annexure I)
			.pdf
			Scanned copy of performance curve
			.pdf
			Schedule of rates for spare parts and service charges for seven years
			.pdf
			Details of AMC for seven years after warranty period
			.pdf
			E-payment form duly filled and signed
			.pdf
			authorization letter
			.pdf
			Scanned copy of preliminary agreement
			.pdf
			Form No.14 duly filled and signed
			.pdf



			Proof of payment of GST of Tender fee
		.pdf	additional information if any
		.pdf	Tender Notice and Special condition of Tender duly signed
		.pdf	Experience Certificates
2	Finance	.xls	BOQ duly filled

### Other Important Documents

S.No	Category	Sub Category	Sub Category Description	Format/File
1	Certificate Details	Permanent Account Number	Permanent Account Number	
2	Certificate Details	Registration Certificate	Registration Certificate	
3	Certificate Details	Service tax registration No	Service tax registration No	
4	Financial Details	Annual Turn over certificates from CA	Annual Turn over certificates from CA	
5	Financial Details	P/L and Balance Sheet 2020-2021	P/L and Balance Sheet 2020-2021	
6	Financial Details	B22. P/L and Balance Sheet 2021-2022	P/L and Balance Sheet 2021-2022	
7	Financial Details	B23. P/L and Balance Sheet 2022-2023	P/L and Balance Sheet 2022-2023	
8	Work Details	Existing Commitments Details	Existing Commitments Details	

### Tender Fee Details, [Total Fee in ₹ \* - 47,700]

<b>Tender Fee in ₹</b>	47,700		
<b>Fee Payable To</b>	Nil	<b>Fee Payable At</b>	Nil
<b>Tender Fee Exemption Allowed</b>	Yes		

### EMD Fee Details

<b>EMD Amount in ₹</b>	2,38,500	<b>EMD Exemption Allowed</b>	Yes
<b>EMD Fee Type</b>	fixed	<b>EMD Percentage</b>	NA
<b>EMD Payable To</b>	Nil	<b>EMD Payable At</b>	Nil

[Click to view modification history](#)

### Work / Item(s)

<b>Title</b>	Supply, installation, trial run and commissioning of Submersible Vertical Axial Flow pump sets				
<b>Work Description</b>	Supply, installation, trial run and commissioning of Submersible Vertical Axial Flow pump sets under the project NABARD RIDF XXIX - Replacing of petty and para indigenous technology with energy efficient pumpsets for dewatering Kuttanad paddy fields				
<b>Pre Qualification Details</b>	Please refer Tender documents.				
<b>Independent External Monitor/Remarks</b>	NA				
<b>Show Tender Value in Public Domain</b>	Yes				
<b>Tender Value in ₹</b>	2,38,36,000	<b>Product Category</b>	Equipments	<b>Sub category</b>	Pumpset
<b>Contract Type</b>	Tender	<b>Bid Validity(Days)</b>	120	<b>Period Of Work(Days)</b>	365
<b>Location</b>	Kottayam	<b>Pincode</b>	686001	<b>Pre Bid Meeting Place</b>	NA
<b>Pre Bid Meeting Address</b>	NA	<b>Pre Bid Meeting Date</b>	NA	<b>Bid Opening Place</b>	Directorate of Agriculture

<b>Should Allow NDA Tender</b>	No	<b>Allow Preferential Bidder</b>	No
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**Critical Dates**

<b>Publish Date</b>	26-Nov-2024 06:15 PM	<b>Bid Opening Date</b>	31-Dec-2024 11:00 AM
<b>Document Download / Sale Start Date</b>	26-Nov-2024 06:15 PM	<b>Document Download / Sale End Date</b>	30-Dec-2024 03:00 PM
<b>Clarification Start Date</b>	NA	<b>Clarification End Date</b>	NA
<b>Bid Submission Start Date</b>	29-Nov-2024 06:00 PM	<b>Bid Submission End Date</b>	30-Dec-2024 03:00 PM

**Tender Documents**

<b>NIT Document</b>	<b>S.No</b>	<b>Document Name</b>	<b>Description</b>	<b>Document Size (in KB)</b>
	1	Tendernotice_1.pdf	Notice Inviting Tender	122.53

<b>Work Item Documents</b>	<b>S.No</b>	<b>Document Type</b>	<b>Document Name</b>	<b>Description</b>	<b>Document Size (in KB)</b>
	1	BOQ	BOQ_1113447.xls	Bill of Quantity	314.00
	2	Tender Documents	Annexure_I.pdf	Annexure I	232.89
	3	Tender Documents	Location.pdf	Location of Supply	417.07
	4	Tender Documents	PreliminaryAgreement.pdf	Preliminary Agreement	186.15
	5	Tender Documents	KFCFORM14.pdf	KFC Form 14	253.90
	6	Tender Documents	epay.pdf	E pay form	62.12

**Bid Openers List**

<b>S.No</b>	<b>Bid Opener Login Id</b>	<b>Bid Opener Name</b>	<b>Certificate Name</b>
1.	aeegriwayanad@gmail.com	Sumesh Kumar T	SUMESH KUMAR T
2.	ckrajmohan1970@gmail.com	Rajmohan C K	Rajmohan C K
3.	rjayan71@yahoo.com	Jayarajan R	JAYARAJAN R
4.	babuvaxeagri@gmail.com	Babu V	Babu V

**Tender Properties**

<b>Auto Tendering Process allowed</b>	No	<b>Show Technical bid status</b>	No
<b>Show Finance bid status</b>	No	<b>Stage to disclose Bid Details in Public Domain</b>	Technical Bid Opening
<b>BoQ Comparative Chart model</b>	Normal	<b>BoQ Comparative chart decimal places</b>	3
<b>BoQ Comparative Chart Rank Type</b>	L	<b>Form Based BoQ</b>	No

**Tender Inviting Authority**

<b>Name</b>	Director of Agriculture
<b>Address</b>	Director of Agriculture Agriculture Development and Farmers Welfare Department Vikas Bhavan Thiruvananthapuram Kerala 695033

**Tender Creator Details**

<b>Created By</b>	Babu V
<b>Designation</b>	State Agricultural Engineer
<b>Created Date</b>	26-Nov-2024 04:12 PM