

Directorate of Agriculture Development and Farmers' Welfare

Vikas Bhavan, Thiruvananthapuram – 695033

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No:ADFW/8309/2024-TG-II(2)

Date:09-01-2025

NOTICE INVITING TENDER**(E-tender ID : 2024_AGRI_707452_1)**

Notice inviting E-tender for the supply, installation, trial run and commissioning of submersible axial flow pump sets under the NABARD RIDF XXIX project "Installation of flood resilient and energy efficient dewatering devices in low lying rice fields in 13 Grama Panchayats of Cherpu, Anthikkadu, Puzhakkal, Mullassery, Irinjalakkuda, Wadakkanchery blocks in Thrissur district.

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 supplier for the supply, installation, trial run and commissioning of submersible axial flow pump sets and all other accessories with the following specification, by the Director of Agriculture, Thiruvananthapuram.

Supply, installation, testing and commissioning of submersible axial flow pump set with the specification listed below.

Suitable for handling silty water with small salt particles with rpm 960 (Syn) or less. The material of construction of the casing, suction bell shall be CIFG 260 with 2% Nickel, impeller SS316, shaft and sleeve should be SS316 and vertical submerged column should be SS316. The delivery pipe length shall be (varies from 2 to 6 m length as per site conditions) of SS304 with 6 mm minimum thickness. A GI weld mesh made of 6mm thick with metallic strainer of mesh size not more than 50mm x 50mm should be fitted at the mouth of the suction column. Any hanging portion of the pipe should be supported with suitable metallic supporting frames.

The prime mover for the pump should be a 3 phase TEWC squirrel cage submersible induction motor suitable for 415V+/- 10%, 50 Hz+/- 5% connection with Class F insulation. Cubicle type ATS starter panel board with all necessary protection units and instrumentation. Auto transformer starter of reputed make, MCCB including suitable metering, LED indications, selector switch, single phase and dry run protection wiring and earthing as per regulations and specifications of KSEB and Electrical

inspectorate. Suitable water proof, copper power cable about 20m length as per site requirement. A screen with 6mm GI welded mesh with 50mm x 50mm (about 20 sqm area) framed in GI angles shall be fitted at the openings, on top and sides of sump to prevent entry of unwanted material to the pump through inflow water.

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

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	4.0	775	1 to 5.0	70	60	1
2	3.0	775	1 to 4.0	70	50	6
3	2.5	600	1 to 3.0	70	30	3
4	3.0	475	1 to 4.0	70	30	3
5	4.0	350	1 to 5.0	70	30	2
6	4.0	250	1 to 5.0	70	20	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 on 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) :	₹3,08,000/-
Tender Fee (online payment + GST payment) :	₹61,600/-+ ₹11,088/- (18% GST paid directly to GST department)
Document sale start date:	15/01/2025
Bid Submission start date:	20/01/2025
Last date and time of receipt of e-tender:	14/02/2025, 3 p.m.
Date and time of opening of technical bid:	15/02/2025, 11 a.m.
Period 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 (₹11,088/-) 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 up and signed (Annexure I). Use separate data sheet each item quoted.
3. Scanned copy of performance curve.
4. Schedule of rates for spare parts and service charges for seven years after the warranty period.
5. Details of AMC for seven years after the warranty period.
6. E-payment form duly filled and signed.
7. Proof of original manufacturer/authorized dealers/distributor/supplier (copy of authorization letter).
8. Scanned copy of preliminary agreement executed in Kerala Stamp Paper worth ₹200/-
9. EMD exemption certificate (if any) should be submitted online.
10. Form No.14 duly filled and signed.
11. Tender Notice and special condition of tender duly signed.
12. Experience certificates.
13. Proof of payment of GST amount of tender fee.
14. If any more information to be furnished.

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 hardcopy 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 Rs.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 trial 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 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 : 695 033
saekerala@gmail.com

**Dr ADEELA ABDULLA IAS
DIRECTOR**

 eTendering System Government of Kerala Tender Details		Date : 15-Jan-2025 06:32 PM	
 Print			
Basic Details			
Organisation Chain	Department of Agriculture Directorate of Agriculture		
Tender Reference Number	ADFW/8309/2024-TG-II(2)/NS		
Tender ID	2024_AGRI_707452_1	Withdrawal Allowed	Yes
Tender Type	Open Tender	Form of contract	Item Wise
Tender Category	Goods	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	Yes
Payment Mode	Online	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No
Payment Instruments		Cover Details, No. Of Covers - 2	
Online Bankers	S.No	Bank Name	
	1	SBI MOPS	
Cover No	Cover	Document Type	Description
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 after warranty period
		.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



**Kerala
Tenders**

		.pdf	Form No.14 duly filled and signed
		.pdf	Proof of payment of GST of Tender fee
		.pdf	Tender Notice and Special condition of Tender duly signed
		.pdf	Experience Certificates
		.pdf	Additional information if any
2	Finance	.xls	Bill of Quantity

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 ₹ * - 61,600]

Tender Fee in ₹	61,600		
Fee Payable To	Nil	Fee Payable At	Nil
Tender Fee Exemption Allowed	No		

EMD Fee Details

EMD Amount in ₹	3,08,000	EMD Exemption Allowed	Yes
EMD Fee Type	fixed	EMD Percentage	NA
EMD Payable To	Nil	EMD Payable At	Nil

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Work /Item(s)

Title	Supply, installation, trial run and commissioning of submersible axial flow pump sets		
Work Description	Supply, installation, trial run and commissioning of submersible axial flow pump sets under the NABARD RIDF XXIX project Installation of flood resilient and energy efficient dewatering devices in low lying rice fields		
Pre Qualification Details	Please refer Tender documents.		
Independent External Monitor/Remarks	NA		
Show Tender Value in Public Domain	No		
Tender Value in ₹	3,07,95,000	Product Category	Equipments
		Sub category	NA

Contract Type	Tender	Bid Validity(Days)	120	Period Of Work(Days)	365
Location	Thrissur	Pincode	680121	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	Directorate of Agriculture
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates

Publish Date	15-Jan-2025 06:45 PM	Bid Opening Date	15-Feb-2025 11:00 AM
Document Download / Sale Start Date	15-Jan-2025 06:45 PM	Document Download / Sale End Date	14-Feb-2025 03:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	20-Jan-2025 03:00 PM	Bid Submission End Date	14-Feb-2025 03:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	Notice Inviting Tender	142.42

Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	epay.pdf	E payment form	62.12
	2	Tender Documents	KFCFORM14.pdf	KFC Form 14	253.90
	3	Tender Documents	PreliminaryAgreement.pdf	Preliminary Agreement	186.15
	4	Tender Documents	Annexure_I.pdf	Annexure I	232.89
	5	Tender Documents	LocationTSR.pdf	Location	426.03
	6	BOQ	BOQ_1155735.xls	Bill of Quantity	313.00

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	errajeshpd@gmail.com	Rajesh P D	RAJESH P D
2.	prabhadevpps@gmail.com	Prabha Devi P S	Prabhadevi P S
3.	babuvaxeagri@gmail.com	Babu V	Babu V
4.	ckmohanan1970@gmail.com	CK Mohanan	CHALILAKANDY KALLI MOHANAN

Tender Properties

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

Tender Inviting Authority

Name	Director of Agriculture
Address	Director of Agriculture Agriculture Development and Farmers Welfare Department Vikas Bhavan Thiruvananthapuram Kerala 695033

Tender Creator Details

Created By	Babu V
Designation	State Agricultural Engineer
Created Date	15-Jan-2025 02:46 PM