

অসম চৰকাৰ



সত্যমেব জয়তে

GOVERNMENT OF ASSAM

DIRECTORATE OF AGRICULTURE, ASSAM,
KHANAPARA, GUWAHATI-22.

Floating of Enquiry (FOE)

For

Centrifugal Pump set

2014-15

Chief Engineer, Agriculture, Assam,
Khanapara, Guwahati-22

N O T I C E

Floating of Enquiry (FOE) for **Procurement of Centrifugal Pump set**

No. Agri/ Engg/3423/FOE"/ 2014-15/ RKVY-LLP/1

Date: 03-12-2014.

The Chief Engineer, Agriculture, on behalf of the Director of Agriculture, Assam, floats this enquiry (FOE) from manufacturers/ authorized dealers of various manufacturers of 5HP Diesel Engine Centrifugal Pump set & 2-2.2 KW Electrically Operated Pump set, for preparation of a short list of Manufacturers/ Dealers/ Brands/ Models/ Prices, over a valid period of one year from the date of this notification, to facilitate for procurement of same by Group of farmers / Farmers with assistance as per provision in RKVY scheme 2014-15. Detail FOE document is available in website: www.rkvyassam.in. The date & time of submission of offers is up to 11-00 AM on 18th December, 2014, and the same will be opened at 11:30AM on same day.

Sd/-

Chief Engineer, Agriculture,
Assam, Khanapara, Guwahati-22.

GOVERNMENT OF ASSAM
DIRECTORATE OF AGRICULTURE, ASSAM, KHANAPARA, GUWAHATI-22

Procurement of Centrifugal Pump set by the Communities

Detailed **FLOATING OF ENQUIRY (FOE)**

No. Agri/ Engg/3423/FOE"/ 2014-15/ RKVY-LLP/1

Date: 03-12-2014.

1. In order to facilitate procurement of 5HP Diesel Engine Centrifugal Pump set & 2-2.2 KW Electrically Operated Pump set for surface water lifting by Group of farmers / Farmers with assistance as per provision in RKVY scheme 2014-15, the Chief Engineer, Agriculture, Assam, Khanapara, Guwahati-22, on behalf of the Director of Agriculture, Assam, will be called 'Department' hereafter, floats this enquiry to various Manufacturers for submission of offers from the interested participants as per detailed terms and conditions, etc. mentioned in this detailed FOE.
2. Equipments will be procured by Group of farmers / Farmers, over a period of one year from the date of this notification, as per their choice from the short listed manufacturers/ brands/ models, to be published by the 'Department', following the completion of evaluation of offers received in response to this FOE. This exercise is carried out as a facilitation service to Group of farmers / Farmers for procurement of ensuring products that meets acceptable standards at reasonable prices. While evaluating the offers received, the rates accepted in the previous years as well prevailing rates of products of various manufacturers (for similar products) in the market will also be kept in mind in addition to fulfillment of prescribed Qualification criteria and Technical specification.
3. The Chief Engineer Agriculture, Assam, on behalf of the 'Department', therefore, floats this enquiry seeking offers only from manufacturers for preparation of a short list of manufacturers, for quality assurance, competitive pricing against laid down technical specifications and after sales service support, for the procurement 5HP Diesel Engine Centrifugal Pump set & 2-2.2 KW Electrically Operated Pump set for surface water lifting by the Group of farmers / Farmers.
4. Copy of this detailed FOE can be downloaded from **website: www.rkvyassam.in** and submit the non-refundable fee of Rs.500/- (Rupees Five hundred) only as Bid cost in the form of Bank Draft drawn in favour of "**Director of Agriculture, Assam, Khanapara, Guwahati-22**", payable at **Guwahati**, along with the bid.
5. The last date and time of submission of the offer is on **18-12-2012 up to 11-00 AM** in the office of the undersigned and the offers will be opened at **11-30 A.M.** of the same day in presence of participant bidders / authorized representatives.
6. The 'Department' is not bound to recommend the lowest rate or any other rate so offered. Also the 'Department' reserves the right to accept or reject in public interest any or all of the offers received from the manufacturers and to cancel the FOE process and reject any or all offers, at any time even during the operation of this FOE, without any liability or any obligation to inform the affected Bidder or Bidders of the grounds for the decision of the 'Department'.

8. TERMS AND CONDITIONS:

- 8.1. The Short FOE published in newspaper & included in this document is an integral part of this detailed FOE.
- 8.2. As stated at in above, Equipments will be procured by Group of Farmers / Farmers as per their choice from the short listed brands / models, of various manufacturers to be published by the 'Department'.
- 8.3. All Offers against this FOE shall be in English language.
- 8.4. The Interested Manufacturers may offer against this FOE either for 5HP Diesel Engine Centrifugal Pump set or 2-2.2 KW Electrically Operated Pump set for surface water lifting in their single offer.
- 8.5. Offers should comprise the following, duly filled, stamped & signed at every page by an authorized person of the manufacturer.
 - a) Manufacturers' covering letter of the offer.
 - b) Clause-by-Clause by Commentary to the laid down terms & conditions and technical specifications indicating deviations along with supporting Technical Brochures, Leaflets etc. Any

offers received from the participants with incomplete information as sought for & supporting documentary evidence thereof will be summarily disqualify for short listing.

- c) Qualifications for eligibility have been prescribed in the subsequent clause under the title of “Qualification Requirements.” The information along with certified copies of supporting documents is a mandatory requirement.
- d) **Price Schedule:** Price of the individual model of the Pump sets, including all accessories, taxes, duties, transportation cost, etc. must be quoted strictly as per the following format:-

Sl	Brief description of the items with Brand & Model	Rate per Unit inclusive of transportation and other required incidental services (Rs.)	Taxes (Rs.)	Total Rate per Unit Inclusive of Taxes (c+d)
a	b	c	d	e
1				
2				

Note- The price of the pump sets quoted in respect to the FOE should not exceed the MRP of the product at any time during the validity period of the FOE

- The validity period of the price offered is to be up to a period of one year from the date of notification against this FOE or till the date of publication of next year’s approved price whichever is earlier
- The rate quoted by the Manufacturers should be applicable in all the Districts of the state of Assam.

9. **INSPECTION AND TESTING:**

9.1. The ‘Department’ may order for testing / verification of the equipment before receipt / Installation. The testing will be done at the cost of the manufacturers. The ‘Department’ may reject the pump sets, if not found satisfactory in any manner.

9.2 Goods are to be made available by the manufacturer through their local dealers to Farmers at site as per choice of brand & model by Farmers. Delivery of goods shall be made in the prescribed period not exceeding 20 days (barring Force Majeure conditions) from the date of intimation to the supplier, failing which the ‘Department’ will be at liberty to de-list the manufacturer from the short list.

10. **Warranty:**

Goods shall be under warranty for a period of 12 months from the date of delivery to the Farmers. Manufacturer shall furnish terms of warranty along with the offer. If, for reasons not attributable to Farmers these warranty terms are not attained in whole or in part, the local agent of the manufacturer shall take appropriate steps to remedy the defects, and failing which replace the Pump set or accessories or any part thereof as may be necessary in order to attain the desired performance of the Pump set, at manufacturer’s own cost, within a maximum period of 30 days from the date of receipt of such notice from the concerned Farmers or the Executive Engineer/ Assistant Executive Engineer, Agriculture. If the local agent of the manufacturer, having been notified, fails to remedy the defects within the specified period, the ‘Department’ may proceed to take such remedial action as may be necessary, along with de-listing of the manufacturer from the short list.

10. **Payment & Funding Pattern :**

- Farmers will pay their share in the form of Bank Draft to the approved short-listed Manufacturer as per farmers’ own choice of brand/ model. The Govt. share (Subsidy portion) will be released by the Agriculture Department to the supplier upon submission of bill with necessary endorsement duly signed by the concerned Officers of the Agriculture Department to be given in the supply order copy

- b) Baring Force Majeure conditions, every effort will be made to make payment promptly by the 'Department', but in no case later than 45 days from the date of certification regarding successful commissioning.
- c) Supplier shall be entirely responsible for all taxes including sales tax, VAT, duties, license fees, transportation cost etc. incurred until delivery of the goods.
 - d) Payment of taxes & duties will be as per applicable laws, rules and regulations of the Government of Assam.

12. QUALIFICATION REQUIREMENTS

- 12.1. The Manufacturer must be in the business of production of offered Pump set. Towards fulfillment of this, supporting documents such as copies of manufacturers statutory registration certificates, factory license, VAT Registration & PAN Card shall be enclosed with the offer including year wise total production and sale of offered Pump sets during last 3 years. In this context the Chief Engineer Agriculture or his authorized representative/agencies may visit the factory of the manufacturer prior to enlisting the manufacturer in the approved short-list or any time even after enlisting in the short list. Any deviation found during the factory visit may lead to de-list the said manufacturer from the approved short list.
- 12.2. Offer shall also contain a list of all Authorized dealers/ agents and existing service centers in Assam through whom the manufacturer intends to facilitate procurement by Group of farmers/ Farmers and provide after sales services. In addition to the dealer network, the manufacturer shall have a permanent show room wherein displayed their models of pump sets since last three years. Towards fulfillment of this - name, contact address, e-mail, telephone & fax number of all authorized dealers/ agents of manufacturer in Assam shall be furnished. New appointment of dealer outside the dealers' list enclosed with the original FOE document will not be considered for procurement.
- 12.3. Past performance / track record of the manufacturers / dealers will be kept in mind while short listing the manufacturers.
- 12.4. The manufacturers / dealers whose product was not found satisfactory in the past or whose quality / specification of the product is in dispute may not be included in the short list.
- 12.5. The department reserves the right to include / exclude any of the participants in the short list without assigning any reason thereof.

The entire bid should be spirally bonded together as single booklet inserting page no. on each paper with an abstract at first page indicating various enclosure documents & corresponding page no. No loose paper will be accepted as part of document and such a bid may be rejected.

13. TECHNICAL SPECIFICATIONS FOR 5HP DIESEL ENGINE PUMP SET FOR LLP

Manufacturers should furnish clause by clause commentary on the following Specification of all the models, in absence of which, the relevance may be disqualified.

Sl.	Specifications:
1.	General Technical Specification:
1.1.	The pump set should be Centrifugal type and capable of drawing water minimum 10 liters per second or more from the Surface Water Source at a suction head of 6 meter.
1.2.	Both the Engine and Pump shall have ISI/BIS or equivalent International certification and the same have to be supplemented with documentary support from the appropriate authority.
1.3.	Quality of the product is always an essential criterion. The Manufacturer of the Pump Sets shall have high technical quality control system of recent days including metallurgical process check etc. system on the quality management. Requested to enclose a running commentary on the quality control procedure adopted while manufacturing the goods and even for collection of component parts if any from outside.
1.4.	The original leaflets both for the engine and the pump offered in the bid completed with all technical parameters including duty range, consumption etc. shall have to be enclosed.
2.	Prime Mover :
	A water/air cooled 4-stroke, 5HP, single cylinder, diesel engine.
3.	Pump :
	A centrifugal pump compatible to couple with a 5HP Diesel Engine fitted with Brass/ Cast iron Impeller of appropriate dimension in a volute casing having a capacity to deliver minimum 10 liters per second or more from the Surface Water Source at a suction head of 6 meter. The pump should be fitted with GI tail piece at the suction side and the delivery bend at the delivery side. Comment on the technical details.
4.	Trolley:
	The Pump Sets needs to be mounted on a trolley made of mostly by mild steel. The Trolley frame should be made of 5mm thick M.S. Angle and be mounted on two or four die casted trolley wheel of 20-22 cm O.D and 5 cm circumferential width. The trolley weight should not be less than 15 kg.
5.	Tools :
	For obtaining maintenance ease the Pump Sets would require the following tools:
	i) D.E. Spanner (Small set) = 1 Set.
	ii) Ring Spanner (Small Set) = 1 Set.
	iii) Adjustable slide wrench (25cm) = 1 No.
	iv) Pliers (20 cm) = 1 No.
	v) Screw Driver (30 cm) = 1 No
6.	Accessories :
	i) Matching suction PVC Hose = 7.5 meter length
	iii) Matching Foot Valve with necessary fixing clamp etc.
7.	Some Technical Parameters:
7.1.	The overloading capacity at rated R.P.M. without overheating should not be less than 10%. Enclose comment.
7.2.	In case of diesel engine, specific fuel consumption must be as per BIS norms. The same need to be supported by documentary evidence with properly drawn characteristic curve etc.
7.3.	The Mechanical efficiency needs not be less than 70%
7.4.	Name the major part like head, body, crank case, crank shaft and cam shaft and state the capability to withstand the tensile, compressive and the shear stress etc. with support.

7.5.	Enclose a brief note on the basic feature of testing etc. attended prior to release to the commercial outlet with support	
8.	Bidder shall furnish information to the following questionnaires:	
	a. Engine HP at rated RPM	
	b. Rated RPM	
	c. Fuel Tank Capacity in liters.	
	d. Oil sump capacity in liters.	
	e. Method of starting.	
	f. Direction of rotation.	
	g. Type of fuel injection and make.	
	h. Type of governor used.	
	i. Duty conditions at various head.	
	j. Type of impeller and material used in the impeller.	
	k. Dry weight of the Engine with all fittings excluding packaging.	
	l. Dry weight of the Pump.	
	m. Weight of tail piece.	
	n. Weight of the Delivery Bend	
	o. Performance	
	HP	Suction Head (meter)
		Discharge (Liters/second)
	5	8
		6
		4
	p. Furnish following Details of BIS License(Enclose copy of up to date valid BIS License)-	
	i. BIS License No of Engine-	
	ii. Model Name of the Engine in the BIS License-	
	iii. BIS License No of Pump-	
	ii. Model Name of the Pump in the BIS License-	

14. TECHNICAL SPECIFICATIONS FOR 2-2.2 KW ELECTRICALLY OPERATED FOR LLP

Manufacturers should furnish clause by clause commentary on the following Specification of all the models, in absence of which, the relevance may be disqualified.

Sl.	Technical Specification:
1.	General Technical Specification:
1.1.	The pump set should be Centrifugal type and capable of drawing water minimum 10 liters per second or more from the Surface Water Source at a suction head of 6 meter.
1.2.	The Pump shall have ISI/BIS or equivalent International certification and the same have to be supplemented with documentary support from the appropriate authority
1.3.	Quality of the product is always an essential criterion. The Manufacturer of the Pump Sets shall have high technical quality control system of recent days including metallurgical process check etc. system on the quality management. Requested to enclose a running commentary on the quality control procedure adopted while manufacturing the goods and even for collection of component parts if any from outside.
1.4.	The original leaflets of the pump proposed in the bid completed with all technical parameters including duty range, consumption etc. shall have to be enclosed.
2.	Motor: Single/three phase capable of operate by 220V, 50Hz electrical power supply developing 2-2.2 KW.
3.	Pump: Energy efficient centrifugal, wear resisting high strength impeller, housing,

	pump shaft commensurate to fitting with 2-2.2KW motor capable of drawing water minimum 10 liters per second or more from the Surface Water Source at a suction head of 6 meter.
4.	Tools & Operation manual: For obtaining maintenance ease the Pump Sets require Tools & Operation manual to be supplied.
5.	Accessories : i) Matching suction PVC Hose = 7.5 meter length iii) Matching Foot Valve with necessary fixing clamp etc.
6.	Bidder shall furnish documents & information to the following questionnaires:
	a. Motor KW at rated RPM
	b. Rated RPM
	c. Single Phase or Three phase operated
	d. Required Volt & Hz. electrical power supply.
	e. Range of voltage suitable to run the motor.
	f. Electrical power consumption.
	g. Provision made in the motor to prevent ingress of impurities into the motor.
	h. Maximum suction lift in meter
	i. Total head range in meter
	j. Discharge in lit/sec at minimum & maximum total head.
	k. Type of impeller used and material used to make impeller.
	l. Duty conditions at various head.
	m. Weight of the Pump-set.
	n. Up to date valid IS/BIS license No(Copy of the up to date valid license to be enclosed).

Sd/-
Chief Engineer Agriculture
Assam, Khanapara, Guwahati-22