

**GOVERNMENT OF ASSAM**  
**AGRICULTURE DEPARTMENT**  
**ASSAM AGRICULTURE COMPETITIVENESS PROJECT (CREDIT NO: IDA 4013)**  
**PROCUREMENT OF PUMP SETS BY THE COMMUNITY**  
**FLOATING OF ENQUIRY (FOE) [Sample]**

FOE No.	Dated Guwahati the .....
---------	--------------------------

1. Government of India has received a credit of US\$ 154 million equivalent from International Development Association (IDA) towards Assam Agriculture Competitiveness Project (AACP) and intends to apply a portion of this credit to eligible payments for procurement of pumpsets.
2. Irrigation is a major component of AACP involving procurement of 60,000 Centrifugal Pump sets for Shallow Tube Well (STW) and 20,000 Low Lift (LLP) Centrifugal Pump Sets with accessories, during a project period of five years for creation of additional irrigation potential in Assam.
3. Funding pattern of this component is: 20% from communities/ beneficiaries [*herein after called Agro-Service groups (ASGs)*] 30% from Project as Grant, and as loan balance 50% from local Commercial Bank to ASG.
4. Pump sets will be procured by ASGs as per their choice from the approved brands/ models from the manufacturer's local outlet/ or authorized dealer out of an approved list of manufacturers to be published by the Director of Agriculture, Assam. The concerned commercial bank will release payment to authorized dealer.

However, ASGs will also be free to select pumpsets from other manufacturers, which are outside the approved list, but this would be subject to prior concurrence from the Director of Agriculture, Assam, particularly in respect of technical specifications, quality and cost of the alternative proposed.
5. Director of Agriculture, Assam, now, therefore, floats this enquiry seeking offers from reputed pumpset manufacturers for preparation of a list of manufacturers for quality assurance, competitive pricing against a laid down technical specifications and after sales service support for procurement of the first batch of 5000 Nos. of 5 HP Diesel Engine Driven Centrifugal Pump Sets for STW by the ASGs.
6. Interested Manufacturers may submit their offers to Director of Agriculture, Assam at the address given below for selection of their Brand of Pumpsets with accessories and uniform price for individual models for procurement throughout the state during 2005-2006 by ASGs as per terms of conditions, information relating to qualification requirement and technical specifications set forth below.
7. **The last date and time of submission of the Offers is May 5, 2005 up to 4-00 PM.**
8. **TERMS AND CONDITIONS**
  - 8.1 All goods under this project should have their origin in eligible source of countries as defined under the *World Bank's Procurement Guidelines*.
  - 8.2 Offers from the manufacturers shall be in English language.
  - 8.3 Offers should comprise the following, duly filled in & signed by an authorized person of the manufacturer.
    - a) Manufacturers' covering letter of the offer and Price of the individual model of the pumpsets inclusive of all accessories, taxes, duties, transportation cost, etc.
    - b) Qualification information against the laid down requirements.
    - c) Item by item commentary on the prescribed Technical Specifications with statements of deviations.
  - 8.4 Prior to delivery of goods, proforma invoice shall have to be given by the respective Dealer for sanction of bank loan. Later, it is to be replaced by actual invoice (3 copies) with delivery challan for receipt of payment from the commercial bank.
  - 8.5 Prior to handing over, pumps will be tested by commissioning in the field at the cost of dealer. The dealer will claim the cost of pump along with the commissioning charges from the concerned commercial bank enclosing a certificate signed by the representative of ASGs, (b) local Executive Engineer or his representative,
  - 8.6 Goods are to be made available by the manufacturer through their local dealers to ASGs, at site after sanction of the loan by the Commercial Bank as per choice of brand by ASGs. Delivery of goods shall be no later than 20 days (barring Force Majeure conditions) from the date of intimation by Commercial Bank failing which Director of Agriculture will be at liberty to de-list the manufacturer from the short list.
  - 8.7 **Warranty:** Goods shall be under warranty for a period of 12 months from the date of delivery to ASGs. Manufacturer shall furnish terms of warranty along with the offer. If, for reasons not attributable to ASGs, these warranty terms are not attained in whole or in part, local agent of the manufacturer shall take appropriate steps to remedy the defects failing which replace the pumpset and/or accessories or any part thereof as may be necessary in order to attain the desired performance of the pumpsets at its own cost within maximum 30 days from the date of receipt of such notice from the concerned ASGs /Executive Engineer, Agriculture. If local agent of the manufacturer, having been notified, fails to remedy the defects within the period specified, Director of Agriculture may proceed to take such remedial action as may be necessary, along with de-listing of the manufacturer from the approved list.

- 8.8 Payment:** The payment of the goods will be made by the commercial bank on behalf of ASGs upon certification jointly by the ASGs / Executive Engineer, Agriculture or his representative regarding successful commissioning of the pumpsets. Payment shall be made promptly by Commercial Bank to local agent / dealer, but in no case later than 10 days from the date of certification regarding successful commissioning.
- 8.9** Supplier shall be entirely responsible for all taxes, sales tax, duties, license fees, transportation cost etc. incurred until delivery of the goods.
- 9. QUALIFICATION REQUIREMENTS**
- 9.1** Manufacturer must be in the business of design, manufacture/ production of similar type of 5 HP diesel engine driven centrifugal pumpsets since last 5 years. Towards fulfillment of this, supporting documents such as copies of manufacturers statutory registration certificates; principal place of business and location of factory/ factories; copies of audited Profit And Loss statement with Balance Sheet of last 3 years shall be enclosed with the offer including year wise total production and sale of 5 HP diesel engine driven centrifugal pumpsets during last 3 years (2001-02, 2002-03, 2003-04).
- 9.2** Product offered shall have relevant ISI / ISO certification. Towards fulfillment of this, self attested copies of relevant certificates and product leaflets shall be enclosed for each model.
- 9.3** Offer shall also contain a list of all Authorized dealers/ Agents and existing service centers in Assam through whom manufacturer intends to sell the product to ASGs. Towards fulfillment of this - name, contact address, e-mail, telephone & fax number of all authorized dealers/ agents of manufacturer shall be furnished.
- 10. TECHNICAL SPECIFICATION OF PUMP SET**
- 10.1 General Specification**
- Pump set should be Diesel Engine driven Centrifugal and capable of drawing water from Shallow Tube well not less than 10 lit./Sec at a suction head of 5 M and at 1500 rpm.
  - Both Engine & Pump shall have BIS or equivalent International certificate (necessary documentary evidence from appropriate authority shall be furnished)
  - Over loading capacity at rated rpm without overheating should not be less than 10%.
  - Specific fuel consumption need not exceed 200 gm/BHP/Hr.
  - Mechanical Efficiency shall not be less than 70%
- 10.2 Prime Mover:** A water-cooled, 4-stroke cycle operated single cylinder, direct injection type Diesel Engine capable of developing 5 BHP at 1500 rpm.
- 10.3 Pump:**
- Centrifugal Pump compatible to couple with a 5HP Diesel Engine and fitted with Brass/Caste iron Impeller of appropriate dimension in a volute casing having a capacity to deliver a minimum 10 lit/Sec. of water.
  - Duty range should be within 5M-8M. Pump should be fitted with C.I. Tail piece at suction side and delivery bend at delivery side.
- 10.4 Coupling between Pump and Prime Mover:** Good quality flexible rubber/leather coupling with quality nuts and bolts having ISI certification.
- 10.5 Cooling:** Engine should be water-cooled type and water should be circulated through water jacket of the Engine by way of gravity feeding. Good quality rubber plastic cooling pipes arrangement both at suction and delivery with proper standard steel adjustable clamps needs to be fitted with.
- 10.6 Bearing:** Crank shaft should either be mounted on Taper Roller bearing or Bush type bearing.
- 10.7 Trolley:** Pumpsets shall be mounted on a trolley made of mild steel. Trolley frame should be made of 5mm thick M.S. angle and be mounted on casted wheels of 20-22 cm OD and 5 cm circumferential width.
- 10.8 Tools:** Tools to be supplied with each Pump set –
- DE Spanner (small set): 1 Set.
  - Adjustable slide wrench (25Cm): 1 No.
  - Screw Driver (30 cm): 1 No.
  - Ring Spanner (small set): 1 Set.
  - Pliers (20 cm): 1 No.
- 10.9 Manufacturers shall also furnish following information for individual model of pumpsets offered.**
- Make and the model number of the Engine and the Pump
  - Oil sump capacity in liters
  - Direction of rotation
  - Type of Governor used
  - Type of Impeller and material used in the Impeller
  - Method of starting
  - Type of fuel injector and make
  - Fuel tank capacity in liters.
  - Duty conditions at various head
  - Dry weight of the Pump with all fittings excluding packaging
  - Dry weight of the Engine with all fittings excluding packaging
  - Weight of tail piece
  - Weight of delivery bend