

MECHANICAL IRRIGATION CONSTRUCTION DIVISION

GOGJIBAGH SRINAGAR

Standard Bidding Document

For

**DESIGN, MANUFACTURE, SUPPLY & TESTING OF
5 CUSEC CAPACITY DIESEL ENGINE DRIVEN PUMPING UNITS FOR
MECH. IRRIGATION CONSTRUCTION DIVISION, SRINAGAR.**

**NOTICE INVITING TENDER
e-NIT No. MICD/26 OF 2016-17 Dated:08/02/2017**

Phone No. : 0194 – 2310876, Email : exenmicdsrinagar@ifckashmir.com

NOTICE INVITING TENDER
e-NIT No. MICD/26 OF 2016-17 Dated: 08/02/2017

For and on behalf of Governor of J&K State, Executive Engineer, Mechanical Irrigation Construction Division, Srinagar, invites tenders affixed with Rs5/- revenue stamp on item rate basis by e-tendering mode for the following items of work from the reputed Original Equipment manufacturers or contractors/fabricators/firms having relevant experience. The bidding process shall be completed online in two covers viz Cover '1st' –Tender fee and Earnest Money details. Deposit, fulfillment of prequalification criteria, technical specifications and acceptance to terms and conditions of the tender. Cover '2nd' - Financial Bid in the prescribed BOQ.

S. No.	Particulars of the work	Name of Division	Estimated Cost (In Rs.)	Cost of document/ tender fee (In Rs.)	Earnest money (In Rs.)	Validity of Rates
1	2	3	4	5	6	7
1.	Design, manufacture, supply & testing of 5 cusec capacity diesel engine driven pumping units for Mechanical Irrigation Construction Division, Srinagar	Mechanical Irrigation Construction Division, Srinagar	38,39,000.00	1,000.00	77,000/-	180days

Position of funds: Demanded.

Key/critical Dates:

Date of Hosting In Website/ Publish date	09-02-2017 (1600Hrs)	Pre bid meeting	20-02-2017 (1100 Hrs)
Document download/sale start date	10-02-2017 (1000Hrs)	Document download/sale end date	06-03-2017 (1600 Hrs).
Clarification start date	10-02-2017 (1000Hrs)	Clarification end date	06-03-2017 (1600Hrs)
Bid submission start date	11-02-2017 (1500 Hrs)	Bid submission end date	08-03-2017 (1600Hrs)
Deadline for receiving the hard copy (as specified in NIT)	10-03-2017 (1400 Hrs)	Bid opening date	11-03-2017 (1400 Hrs)

1. Bid documents can be assessed at and downloaded from the websites www.ifckashmir.com / <http://jktenders.gov.in>
2. The pre bid meeting will be held in the office chamber of the Executive Engineer MICD Srinagar.
3. The Bids shall be deposited on the website <http://jktenders.gov.in>
4. The complete bidding process will be online <http://jktenders.gov.in>.
5. The Technical bids received shall be opened online on in the office of Executive Engineer MICD Srinagar on the date given above.

6. The Financial bids of the bidders shall be opened online in the office of the Executive Engineer MICD Srinagar
7. Bids must be accompanied by bid security and cost of Tender Document as specified in column 5 & 6 of the table payable at Srinagar, pledged in favour of Executive Engineer MICD Srinagar **Bid** security will have to be in form of CDR/FDR/IBG of any scheduled Bank and shall have to be valid for one year or more after last date of receipt of Bid. The cost of downloaded tender documents should be in form of DD in favour of Executive Engineer MICD Srinagar payable at Srinagar.
8. The hard copies of cost of tender document in shape of DD, Earnest money in shape of CDR / FDR and other relevant documents must be delivered to the office of the Executive Engineer MICD Srinagar up to date and time specified above. Contact officer: Mr. Tariq Ahmad Kachroo (Mobile No. 9469561000).
9. Only the firms having sound experience in similar type of job can participate in the tendering process. **The original pump characteristic curve for the quoted pump duly sealed and signed is to be uploaded with the tender without the same the tender shall be out rightly rejected without any prior intimation.**
10. The bid for the work shall remain open for acceptance for a period of **180 days** from the date of opening of bids. If any bidder/tenderer withdraws his bid/tender before the said period or makes any modifications in the terms and conditions of the bid, the said earnest money shall stand forfeited.
11. Other details can be seen in the bidding documents from the website <http://jktenders.gov.in>.
12. Queries by email if any should be made at exenmicdsrinagar@ifckashmir.com

No: 3142-47

Date: 08/02/2017

Sd/-
Executive Engineer
Mech. Irri. Construction Division
Srinagar

Copy to the:-

1. Chief Engineer Kmr. I& FC Deptt. Srinagar for information please.
2. Superintending Engineer Mech. Circle I& FC Deptt. Srinagar for information please.
3. Joint Director Information Department Srinagar for publication of this NIT in leading Daily Newspapers of J&K and National Dailies.
4. Assistant Executive Engineer, Store Transport Sub Division, Srinagar for information.
5. Admin. Departmental website (admin@ifckashmir.com) with a request for hosting of the NIT on departments website: www.ifckashmir.com
6. Notice Board /Record Keeper/ Mater File/ Stock File.

Instruction to Bidders Regarding e-tendering Process

- a. The interested bidder can download the NIT/bidding document from the website <http://jktenders.gov.in>
- b. To participate in bidding process, bidders have to get (DSC) “Digital Signature Certificate” as per Information Technology Act-2000, to participate in online bidding. This certificate will be required for digitally signing the bid. Bidders can get above mentioned digital certificate from any approved vendor. The Bidders, who already possess valid (DSC) Digital Signature Certificates, need not to procure new Digital Signature Certificate.
- c. The bidders have to submit their bids online in electronic format with Digital Signature. The bids cannot be uploaded without Digital Signature. No Proposal will be accepted in physical form.
- d. Bids will be opened online as per time schedule.
- e. Before submission of online bids, bidders must ensure that scanned copies of all the necessary documents have been attached with bid.
- f. The department will not be responsible for delay in online submission of bids whatsoever reasons may be
- g. All the required information for bid must be filled and submitted online
- h. Bidders should get ready with the scanned copies of cost of documents & EMD as specified in the tender documents The original instruments in respect of cost of documents, EMD and relevant documents be submitted to the Tender Inviting Authority by Speed/Registered post/courier as per time schedule specified.
- i. The details of cost of documents, EMD specified in the tender documents should be the same, as submitted online (scanned copies) otherwise bid will not be accepted.
- j. Bidders can contact the undersigned for any guidance for getting DSC or any other relevant details in respect of e-tendering process.
- k. Bidders are advised to use “**My Documents**” area in their user on jktenders.gov.in, e-tendering portal to store important documents like Experience certificate, Balance sheet, VAT Certificate, Sales Tax Clearance Certificate and other related documents etc., and attach these certificates as Non Statutory documents while submitting their bids.
- l. Bidders are advised not to make any change in BOQ (Bill of Quantities) contents or its name. In no case they should attempt to create similar BOQ manually. The BOQ downloaded should be used for filling the net item rate inclusive of all taxes and it should be saved with the same as it contains.
- m. **Bidders are advised to scan their documents at 100 DPI (Dots per Inch) resolutions with Black and White, JPEG Scan properly**, convert scanned images to PDF
- n. The guidelines for submission of bid online can be downloaded from the website
- o. <http://jktenders.gov.in>

INSTRUCTIONS FOR BIDDERS

Tenders to be submitted under two cover system

A) COVER 1st (Technical Cover)

1. Self attested Scanned copies of below mentioned documents shall be uploaded and hard copies of the same be submitted through courier/ registered/ speed post/ by hand, in the office of the Executive Engineer MICD, Srinagar, well before the scheduled date and time as mentioned in the this tender document. Hard copies of the bids received after the expiry of scheduled submission date and time will not be entertained. Contact officer: TO to Executive Engineer MICD Srinagar (Mobile No. 9469561000)
 - i. Earnest Money Deposit in the shape of CDR/FDR/IBG.
 - ii. Demand Draft towards the cost of tender document.
 - iii. Sealed and signed copy of scope of work and technical specifications (all the pages of APPENDIX –B to be sealed and signed)
 - iv. Sealed and signed relevant pump characteristic curve for the quoted pump.
 - v. Acceptance to Scope of work, technical specifications, general terms and conditions of NIT as per enclosed format (Appendix – C).
 - vi. Proof of Experience in the line issued by competent authority not less than the rank of Executive Engineer of any Govt., Engineering Department.
 - vii. Latest “Sales Tax/VAT Clearance Certificate” issued by competent authority under the provision of the J&K GST Act, 1962 and J&K VAT Act 2005.
 - viii. Copy of TIN Registration / DIC registration/ Govt. Contractor registration.

Without aforementioned documents tender shall be out rightly rejected and cover 2nd shall not be opened for the firm who fail to upload or give hard copy of the same.

B) COVER 2nd: (Financial Cover) It shall contain the following:

Rates quoted by the bidders in the **BOQ (Bill of Quantities)** please note that financial bid shall be accepted only as per prescribed format, the tenderers must go through all the terms and conditions thoroughly and follow the instructions strictly.

“The quoted rate shall be for destination mentioned in the tender document inclusive of all taxes, duties, levies, charges, transportation cost and transit insurance cost. Rates should be firm and final and no escalation of cost shall be permissible in any case. Rates with conditionality or provision of escalation will be rejected”.

APPENDIX 'A'
TERMS AND CONDITIONS OF NOTICE INVITING TENDER
e-NIT No. MICD/26 OF 2016-17 Dated: 08/02/2017

- 1. Consignee/Paying Authority :**
Executive Engineer, Mechanical Irrigation Construction Division, Gogji Bagh, Srinagar.
The tenders are invited on Goods delivered/services/work rendered at the specified sites i.e at Central Stores, Gogji Bagh, MICD Srinagar inclusive of all Taxes, Duties, Carrying, Forwarding, Transit Insurance, Handling, Loading, Unloading and labour charges for accomplishing complete job as per the scope and specifications laid in the tender document.
- 2.** The offer should be valid for a period of 180 days from the date of opening of price bid. Such of the tenders which will not be valid for 180 days from the date of opening shall be rejected, even if the rates offered are lowest.
- 3.** The tenderer (s) shall have to quote separately for each item strictly in conformity with the terms and conditions of the tender notice.
- 4.** Conditional tenders shall be rejected even if the rates offered are found to be lowest. Tenders with the conditions such as 'Subject to Market Fluctuations' will also be rejected.
- 5.** The tender documents are non-transferable.
- 6. Inter-dependent Tender:**
Tender(s) which are dependent upon the quotations of other shall not be entertained.
- 7. Expenses for Tendering :**
The tenderer(s) shall not be entitled to any claim towards expenses incurred on incidental at the time of submission of the tenders or subsequent evaluation/ clarifications thereof.
- 8. Earnest Money:**
The tender(s) shall be accompanied with earnest money amounting Rs77,000/-of tendered amount in the form of CDR/FDR/IBG from a scheduled bank pledged to Executive Engineer MICD, Srinagar.

Tenderers should carefully note that:-

- i) Tenders not accompanied with requisite amount of earnest money shall not be entertained even if the rates offered are found to be lowest.
- ii) No exemption or concession towards furnishing of earnest money will be given to the tenderers registered with DGS&D/NSIC Small Scale Units except the Small Scale Units registered with Director, Industries and Commerce Department J&K in which case guidelines framed by Industries Department shall apply.
- iii) The tenderers should bear in mind that the tender should be accompanied with fresh CDR/FDR towards the earnest money, reference or claim of the firm for consideration of CDRs/FDRs already lying in the MICD Srinagar, towards earnest money with this tender, will be out rightly rejected.

9. Earnest money shall be refundable to unsuccessful tender(s) only after finalization of the tender and shall be retained in case of successful tenderer(s) which shall be treated as security deposit to be refunded after the successful completion of the supply/works or warranty term as the case may be.

The earnest money of the tenderer(s) who back outs or withdraws his tender or fails to abide by its offer after the acceptance is conveyed or posted to the addressee, shall be forfeited to the Government of J&K state besides other remedies available to it under any law being enforce in the State to recover the extra cost, if involved in getting the supply executed through some other agency, at defaulters risk and cost.

10. Opening of Tender:

Tenders shall be opened by the Executive Engineer MICD, Srinagar in his office chambers on the due date or on any other subsequent date convenient to the Tender Opening Committee in presence of tenderer(s) who may wish to remain present at the time of opening of tenders.

11. The Executive Engineer MICD, Srinagar shall have the discretion to cancel the work order at any time during its currency in case of default on the part of any supplier and make such arrangements as may be warranted by the situation at the risk and cost of the supplier.

12. The Executive Engineer MICD, Srinagar reserves the rights to accept or reject any or all tender(s) in part or full without assigning any reason thereof.

13. The tenderer(s) should bear in mind that if it comes to the notice of Executive Engineer MICD, Srinagar that they have within the specified period offered lower rate to any other party within the territorial limits of J&K State fall clause would be applied and processing's will be started for effecting recovery of the difference for entire supply besides action initiated to black list the firm within the jurisdiction of the J&K State.

14. Validity of Rates:-

The rates approved shall remain valid for contract term of one year from the date of issue of job order

15. Prices:

The tenderer(s) are required to quote net landed rates for the complete work F.O.R site the prices shall be inclusive of all taxes, duties, levies, transit insurance, handling charges, all incidentals at site, etc., as applicable in J& K State etc.

The Rates quoted In **BOQ** should be net landed rates for works executed at site of work inclusive of:

- a) Central Sales Tax (If Applicable}
- b) Value Added Tax (If Applicable)
- c) J&K State Entry Tax (If Applicable)
- d) Toll Tax (If Applicable)
- e) Freight Charges from station of dispatch including Transit Insurance, Carrying, Forwarding, Loading and Unloading of material at destination.

No extra claim towards any of above items shall be entertained in any case.

The tenderers should not quote/ mention any of above item as : *"as applicable at the time of supply"* and are as such advised to quote exact rates inclusive of all type of taxes, duties and charges as applicable. It is as such in the interest of the tenderers to check up the same from the concerned Departments of Govt. of India as well as J&K Sales Tax Department before quoting/ tendering the rates.

During the currency of the contract or after completion and complete taking over of the work no price escalation whatsoever shall be allowed in respect of any plant or machinery or materials or wages used or employed in connection with the execution of works.

In the event of any increase ordered by Govt. of India/ J&K Govt. in any of the taxes/ statutory levies during currency of the rate contract, such increase in rates shall have to be borne by the successful tenderer/ supplier. However in case of any decrease in such taxes/levies if any ordered during the currency of the rate contract, such benefits shall have to be passed on to the Department.

16. Testing/Inspection:

The material at site / works shall be inspected by Assistant Executive Engineer concerned, of the department and all the works shall be carried out by the firm under his strict supervision. The firm shall as such keep the department informed about arrival of material at site and about commencement of works. It shall be obligatory on the part of the firm to rectify the defects pointed out by the AEE, if any and also to incorporate any modification within the scope of work which may be deemed necessary for better performance/finish and workmanship.

17. Insurance:

It is advised that the goods prior to dispatch be insured through a Nationalized Insurance Company upto its final destination, against all transit risks. The firm shall therefore have to take appropriate insurance policy in advance for covering the dispatch the transit of the good, charges for which shall borne by the successful tenders and shall be included in his quoted rates. The department shall pay no extra charges on these accounts.

18. Mode of Dispatch:

The supplier shall dispatch the material through a reputed road transport agency direct from dispatching station upto destination. The material shall be suitably transported for which the supplier shall take due care keeping in view the limitation for maximum size and weight.

19. Completion period:

The work shall have to be completed in all respects including obtaining of necessary report from the AEE concerned to the effect of having completed the work satisfactorily as per scope and specifications of the allotment order, within the stipulated period **30** days from the date of issue of allotment order.

20. Warranty

All pumping equipment shall be warranted for a period of 12 months from the date of delivery or as per the prescribed warranty period of Original Equipment Manufacturer whichever is longer.

21. Pump Curves/ GAD & QAP

The original pump characteristic curve for the quoted pump duly sealed and signed is to be uploaded with the tender without the same the tender shall be out rightly rejected without any prior intimation.

The successful tenderer shall have to furnish Quality assurance plan and General Arrangement drawings of the equipment for approval before undertaking the supplies.

22. Terms of Payment (Subject To Availability of Funds):

Service tax and any other taxes /charges shall be deducted at source as applicable.

90% (Ninety Percent) payment shall be released after completion of work in full after receipt of verification from the concerned AEE.

Balance 10% (Ten Percent) shall be kept in deposit and the same shall be released after satisfactory performance of the equipment for one complete Irrigation season and necessary verification thereof by AEE Concerned

23. Performance Guarantee:

The firm shall be bound for satisfactory performance of executed work for one complete irrigation season from the date of commissioning.

If during warranty period any malfunctioning / defect arises, the firm shall have to remove the same within a period of two days of receipt of intimation. In case of any failure on the part of the firm to remove the defect, the Department may get the defects removed / repaired by any other agency and the cost thereof shall be recovered from the firm and shall be recommended for black listing.

The EMD of the successful firm shall be retained as guarantee/ security deposit against the following:-

- a) Security for the fulfillment of the contract.
- b) Satisfactory performance of the material.
- c) Warranty against material and manufacturing defect.

24. Penalty:

In the event of firm's failing, declining, neglecting or delaying the completion of work or in the event of any damage occurring or being caused by the firm or in the event of any default or failure by the firm in complying with any of the terms and conditions of the contract, the Executive Engineer Mechanical Irrigation Construction Division Srinagar shall with or without prejudice to any other remedies available to it under any law for the time being enforce in the State:

- a) Terminate the contract after 30 days notice
and/or
- b) Recover the amount of loss caused by damage, failure or default, as may be determined by the department.
and/or
- c) Recover the extra cost, if any, involved in allotting contract to other party.
and/or
- d) Impose of penalty in the form of liquidated damages on account of delay beyond the schedule delivery period subject to one fourth value of contract per fortnight and not exceeding 10% value of the contract.
and/or
- e) Impose a penalty not exceeding 10% (ten) on the value of contract as Chief Engineer Kashmir Irrigation & Flood control Department Srinagar may deem fit and/or forfeit the earnest money / security deposit.

25. Force Majeure:

Any failure or commission to carry out the provision of the contract shall not give rise to any claim by the department or approved supplier one against the other if such failure of commission arises from the 'ACT OF GOD' which shall include all natural calamities such as fires, floods, earthquake, hurricane, strikes, riots, embargoes or from any political or other reasons beyond the control of the parties including war, or a state of insurgency.

26. Arbitration:

If at any time, any question, dispute or difference whatsoever shall arise between the parties upon or in relation to or in connection with the contract, either of the parties may give the other notice in writing of the existence of such a question, dispute or difference and the same shall be referred for award to two Arbitrators, one to be nominated by the Department and the other by the approved supplier. In case of such arbitrators not agreeing then award of an Umpire to be appointed by the Arbitrators in writing before proceedings with the reference and the decision of the Arbitrators or in the event of their not agreeing of

the Umpire appointed by them shall be final and binding on the parties, such a notice of the existence of any question or dispute or difference in connection with the contract shall be served by either party within 45 days (forty five days) of difference failing which all rights and claims under this contract shall be deemed to have been forfeited and absolutely barred upon every or any such reference the cost of incidentals of the reference and award respectively shall be at the discretion of the arbitrator and in the event of their not agreeing of the Umpire appointed by them who may determine the amount thereof or direct the same to be fixed as between party and party shall direct by whom to whom and in what manner the same shall be formed and paid. The revision of the J&K Arbitration Act Samvat 2002 and of the rules there under the statutory modification whereof shall be deemed to apply to the arbitration, disputes, if any regarding reference to Courts shall be subject to the jurisdiction of the J&K Courts only.

27. Specifications of Material/job:

Tenderers must quote for exact specifications and scope as given in Appendix "B" and there shall be no deviation from the approved parameters. Any deviation if deemed necessary as per site conditions in order to ensure better performance of the equipment/job may however be allowed by the supervising authority without affecting the scope of work.

The workmanship shall be of highest standard. No tools and tackles shall be provided by the department. The firm has to arrange watch and ward and storage of material at site at his own risk and cost during the execution of work and until the work is accomplished and handed over to the department in all respect.

While having submitted the tender by e-tendering method, it is understood that the tenderer is well versed with the working site/site conditions and the terrain etc. It is as such advised that the firm shall visit and inspect the site well before casting its tender.

28. Clarifications:

In respect of any clarification of the conditions/technical provisions set forth in the tender documents the tenderer(s) shall address this office in person/ writing/email as per the time schedule envisaged in the instructions to bidders.

a) The prospective bidder /s or their designated representative, who have downloaded the bid document are invited to attend a pre-bid meeting which will take place as per date and venue given in e-tender notice-.

b) The purpose of meeting will be to clarify issues and to answer queries on any matter that may be raised by the due date.

c) The bidder is requested, as far as possible, to submit queries (if any) by courier or by fax/e-mail to reach the Department well in time for scheduled pre-bid meeting. It may not be practicable at the meeting to answer queries received late, but queries and responses/clarifications will be hosted on website .

d) Any modifications of the bidding documents that may become necessary as a result of the pre bid meeting shall be made by department exclusively through the issue of an Amendment /Corrigendum / Addendum / Clarifications / etc. which shall be hosted on the concerned website.

- e) Non- attendance of the pre-bid meeting will not be a cause for disqualification of the bidder.
- f) Any failure by Bidder to comply with the aforesaid requirement shall not excuse the bidder, after subsequent award of contract, from performing the work in accordance with the scope of contract/agreement.
- g) Bidders are requested to resolve all their clarifications/queries to the Bidding Document before due date of submission of bid. Thereafter bidders are requested to submit their bid in total compliance to Bidding Document without any deviation / stipulation / clarification / assumption.

29. Amendment of bidding document

At any time prior to the deadline for submission of bids, the Executive Engineer or his authorized representative(s) may, for any reason whether at its own initiative or in response to a clarification requested by Bidders, modify the Bidding Document by Amendments/ Corrigendum/ Addendum/ Clarifications / etc. (if any).

The Amendment shall be part of the Bidding Document. All Amendments/ Corrigendum/ Addendum/ Clarifications / etc. (if any) shall be hosted on the concerned website only and shall not be published in newspapers or sent by post/e-mail to bidders.

Bidders have to take into consideration of all such Amendments/ addendum(s)/ corrigendum(s)/ clarifications, etc. web hosted, before submitting the bid.

In order to accord bidder reasonable time to take the Amendment into account in preparing their bids, the Executive Engineer or his authorized representative(s) may, at its discretion, extend the deadline for the submission of bids. The tenders are invited on works executed at consignee's site, inclusive of all Taxes & Duties (which ever are applicable), as well as charges for Carrying, Forwarding, Transit Insurance, Handling, Loading, Unloading and Stacking etc. It is advised that the firm shall visit and look over the destination well before casting its tender.

30. Validity of Rates:

The offer should be valid for a period of 180 days from the date of tender opening. Such of the tenders which will not be valid for 180 days from the date of opening of tender shall be rejected, even if the rates offered are lowest.

The rates approved shall be firm and fixed and shall remain valid for a period of one year from the date of issue of supply order/ contract. Quantities given in the tender are tentative and may vary depending upon the requirement of the department.

In case the rates approved by any other Government Department of J&K state, for similar type of jobs for the current financial year or during the currency of the contract are found lower than the rates approved against this NIT of Irrigation & Flood Control Dept. Srinagar, in that case lower of the two rates will be applicable from the effective date of such new rates and shall be applicable in respect of quantity of material not offered for inspection till such effective date, against work orders under execution at that time as well as for further supply orders to be placed with successful tenderers against this NIT/ contract, during the currency of the contract.

The offer of the second lowest firm may be considered only in the event first overall lowest firm declines or fails to execute the order on rates finalized/ approved by the department. In the event, department feels or finds that the first lowest firm is deficient in executing complete supplies in the scheduled delivery period, the department, in the interest of government works, may consider to divide work for placement of order among two or more firms provided the firms agree to execute work on the rates approved by the department. However, the decision of the departmental shall be final in this regard.

31. Agreement:

As soon as work order is communicated to the firm, the contract shall be complete and binding upon them, the firm shall also be required to execute an agreement with the department within seven days from the date of issue of work order which has to be returned to this office duly filled up, signed and sealed (Page wise) by the prop. or any other authorized officer of the firm witnessed by two persons and attested by the Notary. Three copies of the work order duly signed by the Prop. Or any other authorized officer of the firm in token of acceptance of work order should also accompany the agreement. Failure to execute such an agreement in time shall not however, prevent this contract from being enforced against the firm and the date of delivery of the material/completion of works shall be reckoned from the date of issue of the Allotment order in favour of successful firm.

The contract shall be deemed to have been entered into at Srinagar within ordinary civil jurisdiction of J&K Court only.

32. Testing:

The Pumping unit along with prime mover is to be got inspected by M/s: CEIL / RITES /EIL. The department shall have the liberty to ask for any reasonable test (s). The charges for the inspection shall be borne by the firm and shall be presumed to have been including in the bidding cost while quoting in the Tender. The successful tenderer shall intimate the Department and the inspecting agency / authority in advance regarding the readiness of the equipment for dispatch, and shall furnish all test certificates for the equipment from the principal Manufacturer (s), and all other relevant documents. The test certificate should clearly specify name of client, serial number / make model of the Pumping unit and the prime mover.

All other terms and conditions as laid down in form No.25 of P.W.D. shall remain in force and binding on successful tenderer.

**Sd/-
Executive Engineer
Mechanical Irrigation Construction Division
Srinagar**

NOTICE INVITING TENDER
e-NIT No. MICD/26 OF 2015-16 Dated:08/02/2016

APPENDIX "B"
SCOPE OF WORK AND TECHNICAL SPECIFICATIONS

1. SCOPE:

Design, supply ,installation and testing of 05 cusec capacity – 7 mtr dynamic head horizontal type dewatering pumping units coupled with 32 BHP diesel engine mounted on a common base frame and fitted to a moveable trolley with 100 ltr capacity diesel tank and 12V battery.

1. TECHNICAL SPECIFICATIONS

• **PUMPS**

The pumps shall be dynamically balanced and shall be capable of withstanding max. Torque and thrust which will occur under the operating conditions.

The duty point of the pump shall be at the highest efficiency.

The liquid to be handled is river/ Nallah /Drainage water.

• **ENGINE**

The engine shall be designed in standard rating with operating characteristics and mechanical construction for used under usual service conditions without restriction to a specific application. i.e. operating pumps for dewatering purposes. It shall be designed to operate at an altitude of 1600 mtrs above MSL in ambient temperature of about 10-40 degree Celsius.

• **COUPLING**

The pump and engine is to be coupled through a flexible MS/ CI heavy duty coupling in two halves. The coupling shall be fitted with a Stainless steel key to fit with minimum tolerance in the keyway provided in the shafts. The coupling is to be provided the coupling guard.

• **BASE FRAME**

The pump and engine are to be mounted and aligned on a common MS base plate fabricated out of welded frame of MS channels of proper section supported by stiffeners. The base plate shall have drilled holes conforming to the size of drilled holes on pump and engine for fastening. Likewise, holes of proper diameter are to be drilled in the base channel of base plate for holding the foundation bolts laid in the machine foundation for alignment and levelling.

• **CONTROL PANEL**

The units shall be provided with a main control panel fitted with following items:

- Engine start switch
- Engine Oil pressure meter
- Engine temperature meter
- Alternator current meter
- Engine speedometer
- Emergency stop switch
- Engine hour meter
- Fuel indicator

- **CANOPY**

The entire unit/ equipment is to be covered in a sheet metal canopy on all sides to make it secure against weather conditions, pilferages, ingress. The canopy shall be in modular construction with the provision of assembly at site. The panels shall be fabricated in 20 swg plane thick sheets. The canopy shall be spray painted with synthetic enamel paint in double coat of specified colour after a coat of red oxide primer on the base. The doors shall be fitted with proper locking arrangements and EPDN gaskets on the linings. Suitable size openings for suction and delivery shall be provided as required in the canopy. The details of the equipment housed inside shall be written in English alphabet on a mounted plate fitted on outside walling and markings shall be in suitable and legible font mentioning Make, model year of manufacture, type, capacity of pump and engine.

- **TYRES**

Make of tyres : Apollo/ Goodyear/ Bridgestone/ MRF
 Size : 6.00 – 16
 Ply rating : 8 ply

The tyres shall be of tubeless type having good traction on sandy and soft soils. The towing arrangement should be complete with eye type towing hook. The trolley should include dead axles fitted with tyres on each side of axles. The arrangement should be complete with suspension including leaf springs with brackets, centre bolts, bearing bushes, etc. The frame, suspension, axles, etc, shall be robust enough to withstand the towing of the equipment by a truck at a speed of 60km/hr and also on rough roads. The tyres shall be mounted on wheel hubs fitted to dead axle complete with bearings, check nuts, etc.

- **SUCTION PIPES/ FOOT VALVES/ DELIVERY PIPES:**

The details are given below

- **PRIMING PUMP:**

Supply, installation and testing of 80mm N.D Diesel water Pump set along with suction pipe, foot valve and delivery canvas pipe along with connected accessories for fitment of the suction and delivery pipes.

S.no	Parameter	Min. required specifications	To be quoted/ confirmed
PUMP SPECIFICATIONS:			
1.	Make	Kirloskar /KBL/Mather & Platt/Becon Weir/WPIL	
2.	Model	To be quoted	
3.	Type	non clogging, volute casing, centrifugal, Horizontal shaft disposition, end suction	
4	Discharge	05 cusec/510m ³ /Hr	
5	Total dynamic head	10mtrs	
6	No. of stages	Single	
7	NPSHr at duty point	≤4.00	
8	Pump efficiency at rated discharge and head.	Min75%	
9	Power input at duty point	To be quoted	
10	Speed	1500 rpm	
11	Preferable Pump suction diameter	200 mm(to be quoted)	
12	Pump delivery diameter	250 mm(to be quoted)	
13	Impeller type	To be quoted	
14	Material of impeller	CI (to be quoted)	
15	Material of impeller shaft	S.S 410	
16	Material of Impeller nut	GM/Bronze/CI	
17	Type of bearing	Oil/grease lubricated ball or roller or both	

18	Material of shaft sleeves	To be quoted	
19	Material of pump casing	CI	
20	Solid handling capacity	To be quoted	
21	Duty	continuous	
ENGINE SPECIFICATIONS			
1	Make	KOEL/Cummins/M&M /KBL/WPIL	
2	Model	To be quoted	
3	Type	Four stroke, vertical inline, Naturally aspirated	
4	Brake horse power	Min. 32 bhp	
5	No. of Cylinders	To be quoted	
6	Cooling system	Air cooled	
7	Type of fuel	HSD	
9	Type of starting	Electric, push button/key	
SUCTION PIPES			
1	Supply, Installation and testing of 250mm Nominal Diameter M.S flanged Rubber armored pipes to be fitted on the suction side of the diesel Driven pumping units. All gaskets, nuts and bolts are to be provided.(total length 36 Mtrs each 6 Mtrs)	Water Suction house Type 2 smooth bore conforming to IS3549/1983 fitted with nipples having flanges of appropriate IS Code i.e. IS 6392-1971 Table 5.	
FOOT VALVES			
1	Manufacturing, Providing, fitting 6 No's M.S foot valve of Nominal diameter 250mm with following specifications. a)Nominal diameter =250mm b)Overall height =300mm c)Bell mouth Diameter =375mm d)Sheet thickness =8mm e)seat plate =12mm f)Port's = Two semicircular ports having ND=300mm each g)Flap = Two semicircular Flaps having ND=330mm each h) Flap hinged with MS Hinge pin assembly fitted on a rectangular strip of width 70mm, 16mm thick butt welded at centre of the seat plate and has a suitable counter weight. Suitable leather washer gasket fixed with the flap. i) A cylindrical strainer fabricated out of ISQ12mm, Height of the strainer is 250mm, and the strainer has two rings of ISQ12mm at Top and bottom ribbed with vertical ISQ's. A gap of 20mm kept between the vertical ISQ'S. j) The foot valve thus fabricated fixed with suction pipe through gaskets, nuts and bolts. The foot valve and strainer painted with two coats of anticorrosive paint.		
DELIVERY PIPES			
1.	Supply installation and testing of canvass hose pipe rubber lined 200mm ND duly fitted with nipples, couplings and related accessories for fitment on the delivery side of the pumping units. The job includes providing of suitable one side flanged and one side Nipple reducer of size 250x200.	Confirming To IS 636,type 1, ISI MARKED, Suitable for PN1.0,total length 600 Mtrs each pipe 6Mtrs	

PRIMING PUMP		
1.	Supply, installation and testing of 80mm N.D Diesel water Pump set along with suction pipe(PVC) standard length, foot valve(PVC/CI) of suitable size and delivery canvas pipe of 80mm Nominal Dia.(100ft) along with connected accessories for fitment of the suction and delivery pipes.	Max Output Head :26Mtrs Max Output Discharge: 900LPM Engine type: Air-cooled, 4-stroke Diesel Displacement: 296cc Fuel : diesel Engine starting system: Recoil Tubular frame

www.ifckashmir.com

<http://jktenders.gov.in>

Sd/-

**Executive Engineer
 Mechanical Irrigation Construction Division
 Srinagar**

(APPENDIX – C)

Certificate of Acceptance of Terms & Conditions

**The Executive Engineer,
Mech. Irrigation Construction Div.,
Srinagar.**

Sub: - Acceptance of terms and conditions and technical details.

Ref: - e-NIT NO: MICD/26 of 2016-17 Dated 08/02/2017.

Sir,

We have downloaded and read all the terms and conditions and technical details contained in the Standard Bidding Document of the above referred e-NIT. It is hereby certified that we accept all the terms and conditions of tender and agree to supply the goods/ execute the works in accordance with the details mentioned in the Standard Bidding Document.

Yours faithfully

Date: -

Name & Signature
with seal of the firm

Note: - This document should be downloaded, printed by the bidder and duly signed with seal. The signed document should be scanned and uploaded along with cover-I (prequalification/technical bid). However, the hard copy of complete terms and conditions duly accepted should be submitted along with other documents before the date & time specified for the same.