

Government of Jammu and Kashmir (UT)
OFFICE OF THE EXECUTIVE ENGINEER
JAL SHAKTI (PHE) MECHANICAL DIVISION SOUTH AWANTIPORA.
E-MAIL ID: -xenphemechsouthawp@gmail.com Fax/phone. 01933-295637



Allotment Order No: 41 of 07/2023

M/s Zahoor Ahmad Khan
S/o: Gul Mohammad Khan
R/o: Mohalla Kralyar, Anantnag
GSTN: 01DBLPM4644H1ZP
Contact: 9797805917
Email ID:

AA Accorded vide Order No.	SE/Hyd/Spn/DB/05 Dated: 21/08/2020
Tech. Sanction Accorded vide Order No.	EE/JSD/Mech./Awp/JJM/02 of 08/2022
Adv. Cost:	Rs. 7,89,000/-
Allotted Cost:	Rs. 7,89,000/-

Subject:- Supply, Installation, Testing and Commissioning of Electro-Mechanical equipments at water supply scheme Bonrakh Zahidbagh of Jal Shakti (PHE) Mechanical Division South Awantipora under JJM.

Reference:- 1. This office e-NIT No.: 02 of 2023-24 of 10/04/2023 issued under endorsement No.: JSD/PHE/MDSA/82-97 Dated: 10/04/2023 read with Corrigendum Nos.: JSD/PHE/MDSA/341-43 Dated: 03/05/2023 & JSD/PHE/MDSA/502-04 Dated: 13/05/2023.
2. Superintending Engineer Hydraulic Circle Pulwama/Shopian [HQ] Shopian (Member Secretary JJM) Office Letter addressed to DDC Pulwama (DJJM) vide No.: SE/HYD/SPN/DB/1717-19 Dated: 12-06-2023 & minutes of meeting issued thereof.

Dear Sir,

For and on behalf of Lt. Governor of J&K U.T contract for execution of aforementioned job is hereby fixed with you on item rate basis. This is in response to your online bid and subsequent acceptance of rates, specifications, terms and conditions as contained in Annexure "A & B" of this allotment order.

Encl. 06 lvs

No.: MDSA/ 1821-38

Dated: 11 /07/2023

Yours Sincerely

Executive Engineer
Jal Shakti PHE Mechanical Division
(South) Awantipora
(Member JJM)

Copy to the:

1. Chief Engineer Jal Shakti (PHE) Department Srinagar for information.
2. District Development Commissioner (Chairman DJJM) Pulwama for information.
3. Superintending Engineer Jal Shakti (PHE) Mechanical Circle (South) Srinagar for information.
4. Superintending Engineer Jal Shakti (PHE) Hydraulic Circle Pulwama/Shopian for information.
5. Executive Engineer Jal Shakti (PHE) Division Pulwama for information & n/a.
6. Provisional Head, TPIA JJM Kashmir, (WAPCOS Limited) Corporate Office 76-C Institutional area Sector-18 Gurugram-122015 (Haryana) for information.
7. Assistant Executive Engineer Jal Shakti (PHE) Mech. Sub Division Shopian for information & necessary action. He will ensure execution of work strictly in accordance with the rates, specifications, terms / conditions & within the stipulated time, besides, the cost of work should not exceed beyond allotted cost. In case of any delay in completion of work, the reasons shall be justified.
8. File concerned.

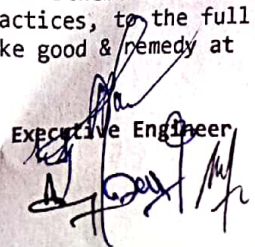
ANNEXURE "A" to this office Allotment Order No: 41 of 07/2023

Name of work: Supply, Installation, Testing and Commissioning of Electro-Mechanical equipments at water supply scheme Bonrakh Zahidbagh of Jal Shakti (PHE) Mechanical Division South Awantipora under JJM.

General Terms and Conditions: -

1. **TIME OF COMPLETION:** The scheme shall have to be completed/tested/commissioned within a period of 30 days from the date of issue of this allotment order.
2. **AGREEMENT:** A formal agreement deed shall be executed by the firm with the department within a period of 07 days from the date of issue of this allotment order after deposition of performance security @ 03% of allotted cost. However, non drawl of agreement will not prevent the contract from being enforced upon you.
3. **PENALTY:** In the event the contractor failing or delaying the work or a part thereof, & or non-complying with any of the terms and conditions of the contract, the NIT & the Agreement, the Department, without prejudice to the remedies available under the law in force in J&K UT, may terminate the contract after seven days' notice, and or recover the amount of loss caused by failure/delay or default of the contractor. The amount of such recoveries shall be determined by the Superintending Engineer PHE Mechanical Circle South Srinagar and or impose a penalty as the Government /Department may determine and or forfeit the performance security and or resort to any or all the remedial actions available under the law in force in the UT of J&K at the time of the dispute.
4. **ARBITRATION:** In case of any dispute arising at any stage between the contractor and the Department, the same shall be referred to the Superintending Engineer PHE Mechanical Circle South Srinagar /Govt. of J&K who may give a decision or nominate any other person of Government for arbitration. The decision to such arbitration shall be final and binding on both the parties.
5. **PERFORMANCE SECURITY DEPOSIT:** Soon after issuance of allotment order, the firm has to deposit performance security in the shape of CDR/FDR/BG valid for 18 months pledged to Executive Engineer PHE Mechanical Division (South) Awantipora within 07 days which shall be released after expiry of defect liability period/report of concerned AEE (After fulfillment of all contractual obligations). Failing to produce performance security, the firm is liable to be debarred for participation in future tendering in this Division and same shall be recommended to higher offices and other Govt. offices of UT of J&K.
6. **JURISDICTION OF COURT:** All disputes pertaining to this contract shall be subject to the jurisdiction of the Courts of J&K UT only.
7. **TERMINATION OF CONTRACT:** The department reserves the right to terminate the contract at any stage in case performance of the firm is found un-satisfactory in terms of any or all clauses of the NIT/Contract/Agreement in vogue.
8. **ADVANCE PAYMENT:** The Department shall in no case entertain any condition or request of making advance payment of any kind to the contractor during the execution of the work.
9. **TAXES, DUTIES LEVIES etc:-** The rates offered by the Department shall be firm and final. Payment of Income Tax/GST, Octroi, Toll tax, Entry tax, Cess service tax duties and other levies etc. of the central or the UT Government and incidental charges of any shall be the responsibility of the contractor/firm.
10. **FORCE MAJEURE CLAUSE:** Any failure or omission to carrying out the provision of the contract shall not give rise to any claim by the department or the contract one against the other if such failure or omission arises from the Act of God which shall include all natural calamities such as fire, floods, earthquakes, hurricane strikes, riots, embargoes from any political or other reasons beyond the control of parties including the war whether declared or not civil war or a state of insurrection.
11. **ENGAGEMENT OF LABOURS:** The contractor shall not engage any workman below the age of 18 years. Firm/Contractor shall also comply with the provisions of labour laws and rules framed thereof and as prevalent in the UT of J&K. The contractor shall be responsible for any accident to the human life which may occur during the execution of work, compensation as shall be provided under law or any law will be payable by the contractor.
12. **INSURANCE:** The contractor shall insure all work-man at his own cost till the completion of work and take over by the department.
13. **DEFECT LIABILITY PERIOD:-** The defect Liability period shall be for a period of 12 Months which shall commence after the successful completion of Trial run, during the defects Liability period (DLP) the firm shall have to operate & maintain the scheme as it is required for its successful running & as per Standard Engineering Practices, to the full satisfaction of the department. The bidder shall be responsible to make good & remedy at

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Executive Engineer


ANNEXURE "A" to this office Allotment Order No: 41 of 07/2023

his own expense any defect in works which is noticed during the DLP. In case any defect remains unattended by the firm at the completion of DLP, the department may extend the DLP for such time as deemed fit for getting the defect rectified subject to a maximum ceiling of 6 Months.

14. **TRANSIT INSURANCE:-** Prior to dispatch, the ordered equipment shall be insured through a Nationalized Insurance Company up to its final destination, against all transit risks. The firm should, therefore, take appropriate insurance policy in advance for covering the transit of the goods, charges for which shall be borne by the tenderer and shall be included in his quoted rates. The department shall pay no extra charges on this account.
15. **SUBLETTING OF WORK:-** The bidder shall not sublet the whole or part of the work. The bidder shall not assign the work or any part thereof or any benefit or any interest thereon or any claim arising of the contract, without prior written consent of the allotting authority.
16. **LIQUIDATED DAMAGES (LD):-** In the event of firm's/joint venture failing, declining, neglecting or delaying the supplies / works or in the event of any damage occurring or being caused by the firm/ joint venture 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 Department shall with or without prejudice to any other remedies available to it under any law for the time being enforce in the UT:
 - a) Terminate the contract after 15 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 Liquidated damages on account of delay beyond the schedule completion period to the tune of 0.5% of the delayed portion of contract every week but not exceeding 10% value of the contract.
and/or
 - e) Forfeit the performance security and blacklist the firm.
17. **THIRD PARTY MONITORING:** The allotted works shall be subject to check by the third party monitoring agency appointed by the Department in Kashmir. The agency shall check the quality of works executed by the agencies, quality of materials used for construction and quality of machinery installed in each scheme. The TPIQM's role shall be that of an assistant to the Employer's Representative for the purpose of monitoring and evaluation of the performance of the Contract during the Contract Period.
18. **STORAGE AT SITE:** The bidder shall at his own cost make arrangements for proper storage especially towards Rain and Snow damages of the equipment/ materials at sites till its erection/completion. For the purpose the bidder shall, with the approval of Engineer in charge construct temporary storage accommodation for equipment/ material at site for which land shall be provided by the department near the site of work.
19. **OPERATION AND MAINTENANCE MANUALS:** The bidder shall supply, free of cost to the Department, six complete sets of operation and maintenance manuals for the Pumping Equipment. The delivery of these manuals shall be made by the bidder to the Engineer along with the supply of equipment. The manuals shall be appropriately bound in book form and shall contain all necessary instructions regarding operation, preventive maintenance, repairs, trouble shooting, overhauling etc.
20. **OEM Certificate:** The contractor shall produce all relevant test certificates of the manufacturer to the Engineer in-charge before start of the work. The test certificates of the equipment's on whole or all accessories/ attachments and mountings thereof shall be appended with the invoice at the time of submission of the claim to Divisional office. Failure to do so shall result in non-acceptance of invoice/bills by the Divisional office.
21. **CLARIFICATION:** If any clarification is required by the Firm/contractor in relation of technical specifications, the same shall be had from the office of the Assistant Executive Engineer concerned/ Executive Engineer PHE Mechanical Division South Awantipora before the date of start of work.

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Executive Engineer

ANNEXURE "A" to this office Allotment Order No: 4) of 07/2023

22. **CONSIGNEE/PAYING AUTHORITY:** The consignee/paying authority in respect of electromechanical component and associated civil works shall be the concerned Executive Engineer, Jal Shakti (PHE) Mechanical Division Awantipora. Besides, the supervision of the various components of the civil work shall be carried out by the concerned Division under the overall coordination of the concerned Superintending Engineer Hydraulic Circle.
23. **TERMS OF PAYMENT:** All payments to the contractor for fulfilling the contract will be made as per the unit rates of Price Schedule (BOQ). All payments will be made in Indian Currency and will be subject to deduction of Income tax, GST, Cess at source, on the rates as are in vogue at the time of release of payment:-
- 65% of the contract value shall be paid on receipt of the material at site (as per the BOQ) in full & verification thereof by the concerned Assistant Executive Engineer.
 - 15% of the contract value shall be released on installation of ordered equipment/material in full at site.
 - 10% of the Contract Value shall be released after successful testing and commissioning of the entire equipment on full load, commissioning and trial run.
 - 10% of the Contract Value shall be released after commissioning of the scheme and satisfactory performance of the equipment for the period as enunciated in warranty clause. However the balance amount can be released against furnishing of Bank Guarantee for an equivalent value valid for three months beyond the expiry of the warranty period of the contract.
24. **WARRANTY:-** The Firm/contractor shall be bound for satisfactory performance of equipment/work **12 months** after the successful completion of trial run. If during warranty period, any malfunctioning/defect arises, the firm shall have to rectify the same within a period of ten 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 rectified by any other agency and cost thereof shall be recovered from the firm and shall be recommended for further punitive action as governed under the relevant clause of contract including blacklisting.
25. **TRIAL RUN:-** After completion of work, the firm/contractor will have to make a trial run of the scheme for a period of **03 months** during which the manpower required for operation shall be provided by the Department.
26. **EQUIPMENT MAKE:** The supplied material/equipments should confirm as per specification of the contract as well as make confirmed by the Firm/contractor.
27. The work done claim should be supported with Geo tagged photographs before, during and after execution of the job.
28. **SITE OFFICE:** - The Firm/Contractor has to maintain at his own cost a suitable site office at the site of work to which the Department sends communications/instructions.
29. **TRAINING OF DEPARTMENTAL STAFF:** - The bidder shall arrange at his own cost and risk to depute at least one competent Engineer of the equipment manufacturer to train up to twelve departmental representatives in the operation & maintenance of the equipment at site. This training shall be for duration of at least 04 consecutive months and shall commence from the date of successful commissioning of the equipment or as may be mutually agreed upon. To groups of Departmental Engineers shall also be deputed to bidders/manufacturers works for short duration to obtain training free cost in the operation & maintenance of the equipment.
30. **DRAWING & QUALITY ASSURANCE PLAN:** - The Firm/Contractor shall be necessarily furnish within two weeks of the date of placement of this order which shall be approved by the Department within two weeks from the receipt by the consignee:-
- Sectional drawing of pumps.
 - General Arrangement Drawings (GAD)/ layout of the equipment fully dimensioned for pumps, motors, starters, shunt capacitors, panels, delivery manifold, cables etc.
 - Detailed circuit diagrams of LT Panels, Starters, Shunt Capacitors etc.
- Quality assurance plan (QAP) of each piece of equipment to Third Party Inspection Agency (TPA) and Department for their approval.
- No manufacturing/fabrication activity shall be started by the Firm without approval of the drawings of each ordered equipment by the competent authority. Additional time consumed due to observations/summary rejection of QAP/GAD shall not be considered in the delivery period of the contract and the bidder shall be wholly and solely held responsible for the delay thus caused.

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Executive Engineer

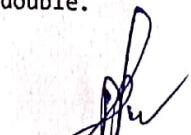

ANNEXURE "A" to this office Allotment Order No: 4) of 07/2023

31. INSPECTION & TESTING:- Before dispatch from the works of the OEM, the electro-mechanical equipment shall be inspected by a third party inspection agency i.e. M/S CEIL/RITES/ etc. New Delhi. However, the Firm (Bidder) shall make payment to the Inspection Agency (in case of 3rd Party Inspection) which shall subsequently be reimbursed by the Department. 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 test certificates. It shall be responsibility of the suppliers to tie up with the third party nominated for inspection and get necessary inspection of the material done within the delivery period. Any delay on the part of the third party shall not be entertained as an excuse for timely supply of material. The product/ material at site shall be inspected by Assistant Executive Engineer concerned or any other official(s) of the department designated by the concerned Executive Engineer. Any modifications to the works as specified in the specifications considered to be necessary for smooth and trouble-free operation of the equipment by the Department or the third-party inspection agency, the firm shall have to execute the same without any extra cost, to the best satisfaction of the department. The firm shall as such keep the department informed about arrival of material at site. 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. The supplier upon demand by the department or its representative shall rectify or replace defective unsuitable equipment. The Department reserves the right to nominate his representative for inspection of the goods at the works of the supplier/ manufacturers. As such the department at all reasonable times shall have access to the works and to the site and to all workshops and places where work is being executed and where material / manufactured articles and machinery is being obtained. In case of Sub-Station and power/feeder lines, the firm shall have to obtain a clearance certificate from the concerned inspection Division of the Power Development Department. The list of electromechanical equipment in which third party inspection from CEIL/RITES is to carried on:-

- 1) DG Set > 100 KVA.
- 2) Pumping Unit > 100 HP (Horizontal and Vertical)
- 3) Valves >300 mm
- 4) Pipe > 200mm dia
- 5) HT Transformers > 300 KVA
- 6) Voltage Stabilizers > 500 KVA
- 7) Iron Removal Plant

For items other than those manufacturers test certificate shall have to be provided. The HT transformers shall have to be got inspected from the corresponding wing of Power Development department and the necessary certificate shall be submitted along with the manufacturers test certificate.

32. The work is executed strictly in close supervision of AEE/JE/Supervisory staff concerned. However, the civil work if involved should be executed under close supervision of civil counterpart.
33. **WATCH & WARD OF WORKS:** The Firm shall in connection with the work provide and maintain at his own cost all lights, guards, fencing and watching, when and where necessary or required by the Department for the protection of the work or safety and convenience of the Public etc.
34. All other terms and conditions shall be the part of this contract as laid down in e-NIT/SBD/GFR-2017/e-procurement manual 2019 and PWD form "25" double.


Executive Engineer
Jal Shakti PHE Mechanical Division
(South) Awantipora
(Member JJM)


Annexure 'B' to this Office Allotment Order No. 41 of 04/2023 for WSS Bonrakh Zahidbagh

Sl.No	Description of Work / Item(s) with Technical Specifications	No. of Qty	Units	Alloted/ Accepted Rate	Amount
1.00	Electro-Mechanical Items of WSS Bonrakh Zahidbagh				
2	De-silting/cleaning of 5000 GPH Tube Settler filtration plant by way of Pre Settling tank Disassembling of the light weight FRP strips/pieces fitted in tongue and groove arrangement from slots of Pre - settling tank by using skilled labour, tools and tackles with utmost care and precautions to avoid damage to - The dismantled FRP strips have to be shifted to a safer place for its stacking and stacking properly to avoid any fracture or damage of the FRP Strips/pieces and include all head load involved in carrying the job at site. - The FRP strips so dismantled are to be taken one after another and cleaned from both sides using brushes, soap scrubbers and other cleansing agents for removing the crust layer of silt/mud and other foreign bodies accumulated on it to achieve a clean and smooth surface - The area of the Pre Settling Tank below the slots for fitment of FRP Plates/ strips need to be cleared off from the accumulated silt on walls including bottom portion of MS tank. The job is to be carried out by skilled Labour, tools and tackles as required for carrying out the job at site - After Cleaning of PVC strips, MS PRE Settling Tank shall have to be cleaned inside and outside by way of using brushes, soap scrubbers and other cleansing agents for removing the crust layer of silt/mud and other foreign bodies accumulated on it to achieve a clean and smooth surface. - The FRP strips after cleaning are again to be installed in the slots of the Pre settling tank at its proper place and position of fitment with utmost care and precautions to be taken to avoid any damage to the FRP Strips to achieve the required surface area as designed for the flocculator of the presetting tank. Flocculator Tank Alum Mixing Chamber & Agitator chamber - Flocculator Chamber and Alum Mixing Chamber shall have to be cleaned inside thoroughly by way of using brushes, soap scrubbers and other cleansing agents for removing the crust layer of silt/mud and other foreign bodies accumulated on it to achieve a clean and smooth surface. The includes dismantling of prime movers and blades / chumer so that proper cleaning is achieved. [30Labours @503/Labour]	1.00 ✓	Job	15090.00 ✓	15090.00 ✓
3	P/F of UV insulated 2 mm thick corrugated FRP sheets .	40.00 ✓	sqm	532.00 ✓	21280.00 ✓
4	Removal of choked filter media from pressure filter vessel .The job includes all loads and lifts, disposal of choked media to dumping site outside the premises of the plant. De-silting of pressure vessel Chamber shall have to be cleaned inside thoroughly by way of using brushes, soap scrubbers and other cleansing agents for removing the crust layer of silt/mud and other foreign bodies accumulated on it to achieve a clean and smooth surface following the removal of choked filter media from the vessel manually . The vessel needs to be cleaned properly and dned before laying of fresh media [10 Labours @733/Labour]	1.00 ✓	Job	7330.00 ✓	7330.00 ✓
5	Providing and laying of filter media of specific size and grade to be laid in 5000/6000 GPH Pressure vessel duly washed, free from dust, dirt, loom and any other inorganic material or suspension ,the job includes carriage of filter media from Ganderbal to site including all loads and lifts required on the site condition. The media is to be lad in different layers of specific size and grade from bottom to top over the filter bed plate. The bottom layer is to be laid without tilting/damaging the pressure nozzles.	1.00 ✓	Job	14994.00 ✓	14994.00 ✓
6	Providing and fitting of 12 mm dia. Fine threaded PVC nozzles auxiliary type to be fitted on filter bed plate of pressure vessel.	400.00 ✓	Nos	294.00 ✓	117600.00 ✓
7	Providing and fitting of 29 inch. Dia. rubber washers /gaskets for manhole and inspection chamber and opening of pressure filter vessel.	2.00 ✓	Job	279.00 ✓	558.00 ✓
8	Replacement of agitator / flash mixer in alum solution holding tank fabricated out of wetted parts in stainless steel. Speed 20-30 rpm ,intermediate bearing paddle type twin blades free standing type.	1.00 ✓	Job	17640.00 ✓	17640.00 ✓
9	P/I/T/C of air scavenging/blower unit of following parameters Capacity: -145 cubic meter per hour rating 0.4 bar Pressure: -5PS10 Speed: - 1450 RPM Motor As per requirement	1.00 ✓	Job	220500.00 ✓	220500.00 ✓
10	Providing and fitting of pressure gauges with adopters to replace damaged ones these pressure gauges should be in the range of 0-50 kgf/cm/sg and be reputed make.	2.00 ✓	Job	8232.00 ✓	16464.00 ✓
11	P/F of various size Butterfly Valves. The job includes providing and fitting of nuts and bolts and washers with allied mechanical works	8.00 ✓	Job	5880.00 ✓	47040.00 ✓
12	Replacement of 65/80 mm dia. cast iron diaphragm valves by way of inducing fresh DI Gate/Butter fly valves with pressure rating of PN16. The job includes providing and fitting of nuts and bolts and\ washers and necessary mechanical works	4.00 ✓	Job	3998.00 ✓	15992.00 ✓
13	Painting with synthetic enamel paint two or more coats of approved brand and bar pressure clarifier pressure filter vessel, fittings and complete piping after cleaning of dirt by kerosene oil and application of steel primer of specific grade.	1.00 ✓	Job	5292.00 ✓	5292.00 ✓
14	P/F of 03 no's CI 80 mm (Ball Valves-Reputed make) The job includes providing and fitting of nuts and bolts and washers with allied mechanical works with fittings etc.	1.00 ✓	Job	3822.00 ✓	3822.00 ✓
15	P/I/T/C of backwash pumping equipment of following parameters Discharge-16 lps, HP-5, Head range 6-15mtr	2.00 ✓	Job	29400.00 ✓	58800.00 ✓
16	Providing & Fitting of Dozing pumps to doze required quantity of alum/Chlorine in the system. The capacity of the dozing units shall be 0-12 LPH capacity. Dozing pups shall be provided with all required accessories including 200 ltrs. PVC tanks and cable for connection. Each pump shall be provided with 20 mtrs. Cable as per required specification.	1.00 ✓	Job	15000.00 ✓	15000.00 ✓
17	Providing and fixing of nuts and bolts of required size and thickness	15.00 ✓	Kgs	118.00 ✓	1770.00 ✓

(Signature)
The Xena
[Signature]

Annexure 'B' to this Office Allotment Order No. 41 of 07/2023 for WSS Bonrakh Zahidbagh

Sl.No	Description of Work / Item(s) with Technical Specifications	No. of Qty	Units	Allotted/ Accepted Rate	Amount
18	<p>Supply, Installation, Testing & Commissioning of Non-clog Pumping Unit as per IS 5600 at Raw Water Stage. PUMP - Discharge= 5000 GPH & Head = 30 Mtr Type of pump Non-clog Open well Submersible Vertical Pump Solid Handling Capacity 20mm (Minimum) • Quality of water Raw water of river to be handled MATERIAL OF CONSTRUCTION • Pump Casing Cast Iron • Impeller Stainless Steel • Pump Shaft Stainless Steel • Motor Body Cast Iron • Sealing Dual mech seal The bowl plate shall be provided with name plate depicting all specifications MOTOR - • Type Squirrel Cage 3-Phase Induction Motor • Rating 10 HP • Method of starting Star - Delta • Frequency 50Hz + 3% • Voltage 415 ± 6 % - 15% • Class of insulation F • Sealing Dual mech seal Provided with thermal and overload protection The motor shall be made of corrosion resisting materials to resist corrosion under normal conditions and the motor shall have a name plate depicting all specifications Dual Mechanical Seals (01 No) and Bearings (02 No) for the pumping unit must be provided as spare parts for preventive maintenance by the firm. for each pumping unit Note: Test certificate having the Serial No. of the Pumping Unit along with the performance curve in duplicate from the Manufacturer must be produced on delivery of the item. The job includes providing and fitting of flanged delivery pipe G I 80 mm dia B class for connecting as per requirement/site condition with steel rope and fasteners etc (head of pumping unit may change approximately by plus minus five percent). (Make: KSB/Mather Plate/Kirloskar/Wilo)</p>	1.00	Job	84910.00	84910.00
19	<p>Providing/supplying and fitting of G I flanged Rising Main at site. The Pipe shall be hot dip Galvanized, Class B conforming to IS 1239 The job includes providing and fitting of M.S Flanges conforming to BIS 6392/1997 Table 17 (Rating PN16). The flanges shall be double welded both from inside and outside of the pipe using standard electrode of reputed make. Flanges (as per IS 6392/1997 Table:17) Thickness shall conform to IS 6392 Part 1st Table-17. The flange welding shall be carried out in double layers using reputed make electrodes to form strong welding joint. Welding Electrode DC Arc Welding using welding electrode having diameter not less than 4mm. Nuts and Bolts Nuts and Bolts (conforming to IS:1353 Part 1st) Rubber Insertion Gaskets. Rubber Insertion Gaskets (conforming to IS: 638/79) to be used between flanged joints. The main technical specifications of the pipe are given here under: Size : DN 80 Class: B (Medium) (Make: Surya Prakash/Jindal/Tata)</p>	12.00	Mtr	1214.00	14568.00
20	<p>Providing and fitting of 3-Core flat submersible copper cable conforming to IS: 694 (Part 1st) -1964 & IS: 694 (Part 2nd) - 1954 for Submersible Pumping Unit and other electrical Equipment. The cable connections terminal shall be fitted with copper thimbles of required size. The main specification of the cable is given below: Size : 6 sq mm (Make: Havells/KEI/Polycab/Finolex)</p>	40.00	Mtr	269.00	10760.00
21	<p>Providing and fitting of 3-Core flat submersible copper cable conforming to IS: 694 (Part 1st) -1964 & IS: 694 (Part 2nd) - 1954 for Submersible Pumping Unit and other electrical Equipment. The cable connections terminal shall be fitted with copper thimbles of required size. The main specification of the cable is given below: Size : 10 sq mm (Make: Havells/KEI/Polycab/Finolex)</p>	90.00	Mtr	454.00	40860.00
22	<p>Providing and Fitting of 2 core, XLPE Armored Aluminum Cable conforming to IS: 7098 part 1st as service line from the HT transformer to control panel including necessary thimbling, crimping, taping etc. NOTE:- The cable terminal ends for connection to switchgear at various requisite points shall be Al Thimbles of reputed make and of appropriate size and connected by hydraulic crimp tool only. Size: 10 mm sq (Make: Havells/KEI/Polycab/Finolex)</p>	40.00	Mtr	154.00	6160.00
23	<p>Repairs/replacements to the modular panel of pumping equipments by way of replacement of damaged contactors MNX 14 MNX-12, MNX-9 (8 No) along with thermal overload relays MN 2 (Directly operated) of following relay ranges : Relay Range 6-10 (A) / 0.9 -1.5 / 3-5/ (06 Nos) for all pumping units of filtration plants and replacement of control wiring, MCCB's, phase indication lamps, selector switches etc and then testing on load. Specifications of Relays can be varied and shall have to be fitted as asked by the site incharge /AEE. (Make: L&T/GM/Anchor/Havells)</p>	1.00	Job	19000.00	19000.00
24	<p>Supply, installation, Testing & commissioning of 1000VA Full Sine wave power inverter (Make: Luminious/Exide/Microtek) including Providing / Installation of 12V, 180AH Tubular inverter Battery with trolley and cover. (Make: Luminious/Exide/Amaron) with 2-core 6mm² Cu wiring as per site requirement along with other accessories like SS-Combine (02 No's), 3-pin plugs etc of reputed make for proper fitment and installation of the item.</p>	1.00	Job	34053.00	34053.00
Total in Figures:		789483.000			
Say Rs.		7.89 Lac			
Total in Words: Rupees Seven Lac & Eighty-Nine Thousand Only.					

Executive Engineer
 Jal Shakti (PHE) Mechanical Division
 South Anantipora