



GOVERNMENT OF JAMMU AND KASHMIR (UT)  
OFFICE OF THE EXECUTIVE ENGINEER  
JAL SHAKTI (PHE) MECHANICAL DIVISION SOUTH AWANTIPORA.  
E-MAIL ID: xenphomehsouthawp@gmail.com Fax/phone. 01933-295537



Allotment Order No. 09 of 05/2023

M/S Kanon Envirotec Engineers  
Prop: Atul Singh  
R/o: RZ -101/13-E, Street No. 04, Mohan  
Nagar, Pankha Road New Delhi-110048  
GST No: 07BHVP5632H1ZV  
Cell No: 9717044494  
Email: kanonatul@gmail.com

AA Accorded vide Order No.	SE/Hyd/Spn/58 Dated: 27/01/2021
Tech. Sanction Accorded vide Order No.	EE/JSD/Mech/ Awp/JJM/26 of 09/2022
Adv. Cost:	Rs. 31,02,000/-
Allotted Cost:	Rs. 31,02,000/-

Subject:- Supply, installation, testing and commissioning of electro-mechanical equipments/Iron Removal Plant at water supply scheme Kharbatpora Ratnipora of Jal Shakti (PHE) Mechanical Division South Awantipora under JJM.

Reference:- 1. This office e-NIT No.: 54 of 2022-23 of 16/11/2022 issued under endorsement No.: JSD/PHE/MDSA/2480-97 Dated: 14/09/2022 read with Corrigendum No.: JSD/MDSA/2768 Dated: 28-09-2022 & JSD/MDSA/Camp/21 Dated: 18-10-2022.  
2. Superintending Engineer Hydraulic Circle Shopian/Pulwama [HQ] Shopian (Member Secretary JJM) Office Letter No.: SE/Hyd/Spn/DB/251-64 Dated: 10-04-2023.  
3. Acceptance of rates/extension of validity of your tender confirmed by you.  
.....

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. 08 W/L

No.: MDSA/ 653-60

Dated: 17/05/2023

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.
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 Pampore 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: 09 of 05/2023**

**Name of work: Supply, installation, testing and commissioning of electro-mechanical equipments/Iron Removal Plant at water supply scheme Kharbatpora Ratnipora 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 120 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

(Contd. On page\_2<sup>nd</sup>-)

Executive Engineer

ANNEXURE "A" to this office Allotment Order No: 09 of 05/2023

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.

(Contd. On page...3<sup>rd</sup>...)

Executive Engineer

ANNEXURE "A" to this office Allotment Order No: 09 of 05/2023

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.

(Contd. On page-4<sup>th</sup> ...)

Executive Engineer

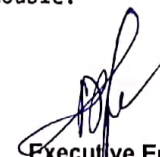
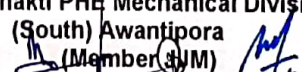
ANNEXURE "A" to this office Allotment Order No: 09 of 05/2023

**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 3<sup>rd</sup> 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 are 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 SJM)  


Annexure 'B' to this Office Allotment Order No. 09 of 05/2023 for WSS Kharbatpora Ratnipora

Sl.No	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Alloted/ Accepted Rate	Amount
1	<p><b>(Electro-Mechanical/Iron Removal Plant Items) WSS Kharbatpora Ratnipora</b></p> <p><b>Iron Removal Plant</b> Design, Supply, installation, testing &amp; commissioning including 5 years' operation &amp; maintenance of Iron Removal Plant with all allied works conforming to relevant BIS/IS code. The job shall include cost of all necessary allied and required items, connections, valves, electromechanical work, pipe network including civil works as per requirement of site. The agency shall have to submit detailed design/ constructions and shop drawings for approval to the department before execution of works. All the equipment and item installed shall be from reputed and standard manufacturers, suppliers with proven track records approved by required technical data sheets, certificates from authorities and third party inspections report before dispatch and installation. The quantity of water to be treated is Minimum 5.0 litres per second (LPS). The agency has to conduct a fresh physico-chemical analysis of water sample of production tube well before execution of works. The iron removal plant should remove Iron either below or up to WHO standards (<math>\leq 0.3</math>ppm). The treated water from plant should be as per IS 10500/2012 norms.</p> <p>Pre-filtration unit, Iron Removal Unit should be equipped with Pre- Filtration unit (MSEP construction) and the raw water should pass through Pre filter before entering iron removal unit. Pre-filter unit should be fitted with necessary pipelines, fittings, nest of valves, sampling cocks, Pressure Gauges and initial charge of filtering media. Their task should be to protect the IRP unit against mechanical damage by coarse particles often present in raw water &amp; remove the suspended solids. Size and No. of Pre filtration vessels as per design parameters of quality &amp; quantity of water to be filtered.</p> <p>Iron Removal Filtration Unit (MSEP construction) measuring as per design parameters of quality &amp; Quantity of water to be filtrated on straight fitted with necessary pipelines, fittings, nest of valves, sampling cocks, Pressure Gauges and initial charge of filtering media. SHELL THICK As per vessel size DISH THICK As per vessel size FRONTAL PIPE SIZE as per requirement No. of Vessels As per requirement. Working pressure As per design. Total Pressure As per design. Filter media: The media should have extremely high capabilities of removing Iron through low cost catalytic oxidation and retention of precipitate. Media should be certified to NSF/ANSI 61 / NABL/ISO for drinking water applications. Media should not require any recharge or regeneration. It should work on back wash only. The active components should be permanently fused to the surface and shall not be subjected to depletion through abrasion during the service and backwash. IRF plant should be compact, sturdy designed and easy to operate. It should remove Iron either below or upto WHO standards (<math>\leq 0.3</math>ppm).</p> <p>Oxidation chamber (Mild steel Epoxy Painted construction) measuring as per design parameters of quality and quantity of water to be filtered on straight fitted with necessary pipelines, fittings, nest of valves, sampling cocks, pressure gauges and initial charge of filtering media. Shell Thickness : As per vessel size Dish Thickness: As per vessel size Frontal Pipe size: As per requirement Number of vessels: As per requirement Working pressure: As per design Total Pressure: As per design</p> <p>The filter units should require periodic backwashing at least once in a day depending on the pressure drop across the filter beds. The backwashing shall be accomplished with filtered water to be made available from clear water sump (to be constructed at site) by Horizontal / submersible pumping unit of required head and discharge as per design requirements with proper sluicing, controlling and to and fro piping arrangement with all allied works (all in scope of work) as per site requirement including necessary arrangement for disposal of drain outs as per latest government norms. A simple water backwash should remove trapped iron particles from the bed and same to be disposed off as per laid environmental norms.</p> <p>Suitable mechanism should be put in place for removal of microbial infections to enhance the quality of water. The treated water from plant should be as per IS 10500/2012 norms.</p> <p>The scope of work shall include pipe line(s) (Make: Jindal Hisar/Surya Prakash/TATA) from feed pump to pre-filter unit through IRP unit to clear water sump to and fro piping for backwashing, necessary control valves, pressure regulating valves, pressure gauges, necessary interconnecting pipelines, fittings, valves (with standby valves) etc., as required for all the above mentioned equipment for efficient operation of the system. Necessary interconnecting MS pipelines, fittings, VAG/AVK /Kirlosker/Sachdeva/Sigma Flow valves etc., as required for all the above mentioned equipment for efficient operation of the system.</p> <p>The scope of work shall include supply, installation of raw water submersible pumping unit AS PER IS 8034 of required head and discharge as per design requirements to be installed inside production tube well. (Qty. 1No,s one working and one as standby). <b>Make: Kirloskar/KSB/Crompton Greaves</b></p> <p>The scope of work shall include supply, installation of horizontal/ open well submersible pumping unit AS PER IS 14220 of required head and discharge as per design requirements to be installed for backwashing. (Qty. 1No,s one)</p>	1.00	Job	2000000.00	2000000.00

Executive Engineer  


Annexure 'B' to this Office Allotment Order No. 09 of 05/2023 for WSS Kharbatpora Ratnipora

Sl.No	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Allotted/ Accepted Rate	Amount
6.00	Providing and fitting of, Ductile Iron double flanged, non rising spindle soft seated glandless gate/ sluice valves as per IS14846 for regulating the water supply outside the pumping units. The body and bonnet of the valve shall be of ductile iron, wedge with fully vulcanized EPDM rubber (Approved for drinking water) and NBR seal. The Gate/Sluice valve shall be compatible for buried applications and shall be safe to install in both horizontal and vertical positions. It shall have electrostatic epoxy coating (approved for drinking water) both inside and outside of the valve. The valve shall be supplied along with hand wheel. Cost on account of Nuts, bolts, gaskets, etc required for the job is included in the scope of work. The job includes providing and fitting of 02 nos. M.S flanges (Table flanges) perfectly adaptable to the inbuilt flanges of the valve which shall be fitted with rising main of the pumping unit at appropriate spots as per site requirement. The job includes the cost on account of P/F of nuts, bolts and gasket required for the job size 80 MM PN16 (Make: VAG/Kroskar/Sigma Flow/Sachdeva)	2.00	No	15045.00	30090.00
7.00	Providing and fitting of Ductile Iron double flanged, Slanted seat swing check valve (NRV) as per IS 5312. The body shall be of ductile cast iron with fully encapsulated vulcanized EPDM rubber (Approved for drinking water). The valve shall be compatible for buried applications and shall be safe to install in both horizontal and vertical positions. It shall have electrostatic epoxy coating (approved for drinking water) both inside and outside of the valve. Cost on account of Nuts, bolts, gaskets, etc required for the job is included in the scope of work. The job includes providing and fitting of 02 nos. M.S flanges (Table flanges) perfectly adaptable to the inbuilt flanges of the valve which shall be fitted with Rising main of the pumping unit at appropriate spots as per site requirement. The job includes the cost on account of P/F of nuts, bolts and gasket required for the job. Size 80 mm PN 16 (Make: VAG/Kroskar/Sigma Flow/Sachdeva)	1.00	Job	16980.00	16980.00
8.00	Fabrication of gantry mechanism/CGI Shed /angle iron sleeping bed by way of providing Structural steel in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete welded, as per architectural drawings and the directions of Engineer-in-Charge	790.00	Kg	102.135	80686.65
9.00	Providing, fitting, testing and commissioning of 50 KVA voltage stabilizer as per specifications below: Type of voltage controller: Manually operated copper wound, 3-phase, AC power supply multi step. Type of Regulator: Double plate type with electrolytic copper contacts. Input voltage : 250-400 volts (3 phase) Output voltage : 400 ±10% volts. Frequency : 50 ±3 C/S. Windings: Electrolytic grade copper of adequate section, vacuum impregnated and Oven-dried. Insulation : Fiber glass insulations to tested parameters. Cooling : Naturally, Oil cooled Temp. Rise (Max) : 30°C above ambient Mounting : On Uni-directional wheels. Correction rate : 30 volts per step Wave form distortion : virtually nil Duty cycle : 100% continuous. Enclosure : MS sheet enclosure in pressed CGR Sheet powder coated with radiators. Core laminates : High grade, low eddy loss, grain oriented silicon steel laminations. Load : Three phase induction motor load. Load Amperes (continuous) Overload in 24-hours operation: 10% above continuous Ampere rating. The voltage stabilizer shall have T-oil level indicator gauge preferably glass type tube or otherwise visible to naked eye. The top of the container to have a display panel for housing 02 numbers Digital voltmeters (0-500V) along with 4-way selector switch and set of neon indicators for incoming and outgoing phases (06 No's). Insulating media (T. Oil) of 11 KVA grade to be provided and filled up to top level, with dielectric strength of 5 KV at 4m air gap. The T-Oil of specific grade should be provided in separate barrels and filled at site up to top level. The voltage Stabilizer shall be accepted with manufacturers dully stamped test certificate and shall have name plate with specifications.	1.00	Job	97637.00	97637.00
10.00	Providing and fitting of 3-Core flat submersible copper cable conforming to IS: 694 (Part 1st) – 1964 & IS: 694 (Part 2nd) - 1964 for Submersible Pumping Unit and other electrical Equipments . The cable connections terminal shall be fitted with copper thimbles of required size. Size:10Sqmm (Make: Havells/KEI/Finolex)	180.00	Mtr	454.00	81720.00
11.00	Supply, installation, Testing & commissioning of 1000VA Full Sine wave power inverter (Make: Microtek/Luminous/Exide) including Providing / Installation of 12V, 180AH Tubular inverter Battery with trolley and cover. (Make: Amaron /Exide/Luminous) with 2-core 6mm <sup>2</sup> 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.	1.00	Job	34053.00	34053.00
12.00	Providing, laying & fixing with adhesive/bonding material of insulation rubber mats on the floor of the pump house, covering area around electro-mechanical machinery for safeguarding the life & limb of the workmen due to possible leakage of current & short circuit. The floor surface shall be made good & shall be free from dust, grease, foreign material & moisture free. The mats shall be as per IS 15652:2006 & shall have the following specifications: - Composition: Rubber (synthetic mats for electrical purpose) Thickness: - 2.5mm Size: - 1M wide. The rubber mats shall be accepted with manufacturers test certificate.	10.00	Mtr	1205.00	12050.00

Executive Engineer

Annexure 'B' to this Office Allotment Order No. 09 of 05/2023 for WSS Kharbatpura Ratnipora

No	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Alloted/ Accepted Rate	Amount
13.00	Providing of good quality bedding for night stay/Shift consisting of - i) Mattress with warm cover size 6'x3' (6Kg)- 02 No's ii) Quilt with warm cover size 5'x8' (6Kg)- 02 No's iii) Pillows with covers - 02 No's iv) Single bed warm blankets with one sided Fur- 02 No's The filling material for mattress, quilt and pillow shall be of good quality cotton b) The job also includes providing of pressure cooker 5ltr 02 No's. Steel patella (utensil) 5trs 02 No's. cooking heater 01 No. room heater 01 No. steel buckets 10 litre capacity 01 No. Plastic bucket 10 litre capacity with Mug 02 No's each. steel glasses 06 No's. steel Plates with large spoons and bowls 03 No's each. Cup and Saucer set (01 No. Set) and 5kg Gas cylinder with burner/ stove. The job also includes providing of thermo-cool 15'x12' along with excel matting of 15'x12' size. The job also includes providing of unbreakable Plastic Chair table set consisting of chairs 04 No's, extra heavy Table 01 No. The job also includes providing of good quality safety Door locks (03 No's) of Godre). Link locks	1.00	Job	39619.00	39619.00
14.00	Providing of bamboo ladders 18 feet long along with 15 feet long Link rods and HT Glove pair (01 No each)	1.00	Job	7350.00	7350.00
15.00	Supply, installation, commissioning and creation of pole mounted, outdoor type Electric Sub Station as per the technical specifications given here under - Specifications conforming to IS: 1180 (Part 1) 2014 with latest amendments. Type: HT/LT Transformer Type of cooling: ONAN. Operating conditions: Input = 11000 volts Output = 433 volts AC supply in 3-phase Terminals Input=3 No. HT bush rods with insulators, washer, nuts etc. Output=4 No. LT bush rods switch insulators, washers, nuts etc. Core: The core shall be of high permeability to reduce core losses and the strips shall be of suitable size and gauge Transformer Coils: Suitable number of HT and LT coils in each leg of the core. The transformer coils shall be fabricated out of superior quality aluminum wire/strips properly wound. The HT transformer is completely filled with suitable grade transformer oil up to required level. The job includes carriage, and all leads and lifts involved. The HT transformer shall be of reputed make from an ISO certified company as per relevant standards and a test certificate shall be provided before installation. The transformer shall also be provided with breather fill with silica gel crystals, conservator with oil level indicator, explosion vet and adequate radiator fins/ Tubes. The impedance of transformer shall be as per IS: 1180 (Part 1) 2014 with latest amendments. NOTE: The scope of the work shall include obtaining of necessary inspection/clearance certificate from the concerned department for all the required equipment. The testing and commissioning shall be completed only after obtaining above certificate. Rating: 63 KVA (Level-2) (Make: KIN India/Aditya Power & Controls/AIba/JK)	1.00	Job	156330.00	156330.00
16.00	Providing and fitting of 19 mm thick multilayered ply sheet of size 6 x 3 feet, 2 nos including cutting, fixing all complete including painting of the play sheet by one coat of primer and two coats of enamel paint	36.00	Sft	140.00	5040.00
				<b>3102007.650</b>	

Total in Figures:

Total in Words: Rupees Thirty-One Lac & Two Thousand only.

Executive Engineer  
Jal Shakti (PHE) Mechanical Division  
South Awantipora

Executive Engineer