



Government of Jammu and Kashmir (UT)  
OFFICE OF THE EXECUTIVE ENGINEER  
JAL SHAKTI (PHE) MECHANICAL DIVISION SOUTH AWANTIPORA.  
E-MAIL ID:-[xenphemechsouthawp@gmail.com](mailto:xenphemechsouthawp@gmail.com) Fax/phone, 01933-295537



Allotment Order No: 17 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-110046  
GST No: 07BHVPS632H1ZV  
Cell No: 9717044494  
Email: [kanonatul@gmail.com](mailto:kanonatul@gmail.com)

AA Accorded vide Order No.	SE/Hyd/Spn/122 Dated: 27/01/2021
Tech. Sanction Accorded vide Order No.	19-PHE/MCS of 2022 Dated: 29/08/2022
Adv. Cost:	Rs. 55,44,000/-
Allotted Cost:	Rs. 54,66,763/-

Subject:- Supply, installation, testing and commissioning of electro-mechanical equipments/Iron Removal Plant at water supply scheme Kumar Mohalla Wachi 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/1026-39 Dated: 16/05/2023.  
3. Acceptance of rates/extension of validity of your tender confirmed by you.  
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Dear Sir,

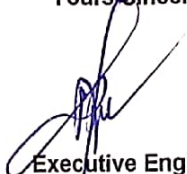
For and on behalf of Lt. Governor of J&K U.T contract for execution of aforementioned job is hereby fixed with you on item rate basis. This is in response to your online bid and subsequent acceptance of rates, specifications, terms and conditions as contained in Annexure "A & B" of this allotment order.

Encl. 11/12

No.: MDSA/ 845-52

Dated: 24 /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 Shopian 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 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: 17 of 05/2023

Name of work: Supply, installation, testing and commissioning of electro-mechanical equipments/Iron Removal Plant at water supply scheme Kumar Mohalla Wachi 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

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Executive Engineer

ANNEXURE "A" to this office Allotment Order No: 17 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: 17 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.

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

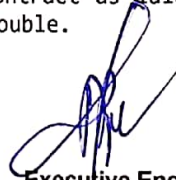
ANNEXURE "A" to this office Allotment Order No: 17 of 05/2023

**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 be 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

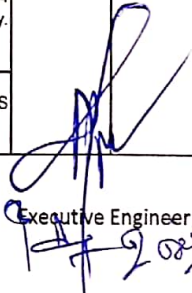
For items other than those manufacturers test certificate shall have to be provided. The HT transformers shall have to be got inspected from the corresponding wing of Power Development department and the necessary certificate shall be submitted along with the manufacturers test certificate.

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)

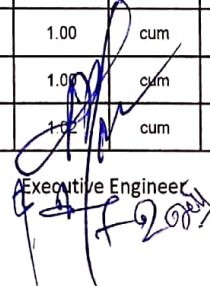
Annexure 'B' to this Office Allotment Order No. 17 of 05/2023 for WSS Kumar Mohalla Wachi

No	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Alloted/ Accepted Rate	Amount
1	<b>(Electro-Mechanical/Iron Removal Plant Items) WSS Kumar Mohalla Wachi</b>				
	<p>Iron Removal Plant 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 6.30 litres per second (LPS). The content in raw water is 5.0 mg/l. The agency has to conduct a fresh physio-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 0.3ppm</math>). 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 0.3ppm</math>)</p>				
2.00	<p>Oxidation chamber (Mild steel Epoxy Painted construction) measuring as per design parameters of quality and quantity of water to be filtered on straight filled 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 by civil counterpart) 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). Make: Kirloskar/KSB/Crompton Greaves</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.</p>	1.00	Job	2000000.00	2000000.00

  
Executive Engineer  
17/5/2024

Annexure 'B' to this Office Allotment Order No. 17 of 05/2023 for WSS Kumar Mohalla Wachi

No	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Alloted/ Accepted Rate	Amount
	<p>The scope of work shall include supply, installation of horizontal open well submersible pumping unit All PFR IS 14220 of required head and discharge as per design requirements to be installed for lifting of treated water from clear water pump up to existing Service Reservoir</p> <p>Air blower suitable capacity air blower as per design of 05 cubic metre per hour against 0.35Kg/cm<sup>2</sup> pressure with pipe line, pressure measuring meter and control valves.</p> <p>Air Compressor suitable capacity air compressor as per design to deliver of free air @8CFM against 5.0bar with electric motor and accessories including air filter, pipe line, pressure measuring meter and control valves.</p> <p>Providing and fitting of LT Modular Control panel Wall Mounted of appropriate size duty powder coated and fabricated out of 2mm crca sheets, sheet having required opening and vents and protections, locking arrangements/mountings for the fitment of device and including arrangements of terminal for earthing to the whole panel body and shall be comprised of following items/devices</p> <p>The control panel shall be of adequate capacity suitable for operating required number of prime movers of various capacities like back wash pumps, treated water pumps etc.</p> <p>The control panel shall be fitted with 4 pole main MCCB, suitable capacity contactors, thermal overload relays and individual MCB's for each prime mover</p> <p>The panel shall be fitted with required number of start/stop push buttons, phase indicator lamps, control wiring, digital meters change over switches, starters etc.</p> <p>The Firm shall supply compact Iron Test Kits (10 no's)</p> <p>All the fittings and accessones required as per the design and site conditions for supply, installation and commissioning of IRP shall be included in the contract on SITC/Turnkey Basic</p> <p>The equipment drawings with every detail are to be provided to this office along with technical specification &amp; also prior to dispatch of equipment for land development with allied works as per site are carried out.</p> <p>The contractor shall supply, free of cost to the Department, three complete sets of operation and maintenance manuals for the entire equipment. The delivery of these manuals shall be made by the contractor 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, troubleshooting, overhauling, etc. The manuals shall also include detailed drawings of the equipment, circuit diagrams wherever applicable. The manuals shall also include the spare parts catalogues with part numbers clearly given, which must tally with index numbers in the drawings.</p>				
3.00	<p>The contractor shall provide all the material such as filter media, oxidising media, chemicals, disinfecting chemicals lubricants, pipe breakage (if any) replacements as required for smooth operation of the plant for a period of 5 years. The contract shall include all kinds of consumables required for smooth operation for a period of 05 years which shall be borne by the contractor and have to be supplied and fitted/installed by the contractor from time to time and as and when required.</p> <p>Cost on account of 05 year operation &amp; maintenance of plant involving engagement of sufficient No. (minimum three) of skilled / trained person in the said field, who shall be responsible for exclusively operating and maintaining the plant for first three months and subsequently engagement of at least one number of skilled labour for the next nine months and subsequent half yearly inspections by experts besides imparting training to the staff to be posted by the department at the said plant and the contractor shall comply with the portions of all labor laws &amp; rules framed there under, repair/ replacement cost, daily water quality analysis, chemical cost, grease, m-oil, annual painting of structures, water quality recording, training of departmental employees etc shall be included in the contract on SITC/Turnkey Basic. The defective parts shall have to be replaced by the agency / manufacturer during the contract period. The turnkey job shall include all kinds of consumables and spares required for smooth operation for a period of 05 years and have to be supplied and installed by the contractor from time to time and as and when required. The firm has to attend the site immediately as and when the quality of water is found to be below acceptable norms.</p>	1.00	Job	450000.00	450000.00
4.00	<p>Construction of CGI Color Coat Sheeted angle iron shed 8m x 4m x 4m and cement concrete base for IRP as per load bearing capacity. The CGI shed with all sides closed and as per layout of the plant and site requirement and shall be complete with suitable doors, windows, roofing, complete in all respects</p> <p>Earth excavation work of Foundation Size = 8.3mX4.3mX0.3m</p>	10.70	cum	470.880	5038.42
5.00	Providing and laying of dry stone soling hand packed in trenches. 1 foot (0.3m)	10.70	cum	665.712	7123.12
6.00	P/L of (1:1.5:3) mix cement concrete including loading and unloading. External Block 8.3mX0.456mX0.61mX 2No+ 3.4mX0.45mX0.61mX2 No	6.51	cum	7154.784	46577.64
7.00	Providing and laying of soling stone including manual compaction 7.39mX3.39mX0.456m	11.42	cum	665.712	7602.43
8.00	P/L of (1:2:4) mix cement concrete including loading and unloading. Size=7.39mX3.39mX0.15m	3.75	cum	6317.028	23688.86
9.00	P/L of (1:1.5:3) mix cement concrete including loading and unloading. External Block Size=8.3mX4.3mX0.1m	3.57	cum	7154.784	25542.58
10.00	Centering and shuttering including strutting , propping etc. and removal of form work for: Foundation, footings, bases for columns Size= 2X(8.3+4.3)X0.61= 15.37 & 2(7.39+3.39)X0.61=13.15	28.52	Sqm	283.284	8079.26
11.00	P/L of 12 mm thick plaster in 1:4mix Size= 8.3X4.3=35.69 2x8.3x.61+2x4.3x.61=15.4	51.09	Sqm	280.854	14348.83
12.00	Construction of Ramp of following specifications:- Earth excavation work of Foundation Size = 1.83mX1.83mX0.3m	1.00	cum	470.880	470.88
13.00	Providing and laying of dry stone soling hand packed in trenches. 1 foot (0.3m) Size=1.83mX1.83mX0.3m	1.00	cum	665.712	665.71
14.00	P/L of (1:2:4) mix cement concrete including loading and unloading. Size=1.83mX1.83mX0.61mX0.5	1.00	cum	6317.028	6443.37

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Annexure 'B' to this Office Allotment Order No. 17 of 05/2023 for WSS Kumar Mohalla Wachi

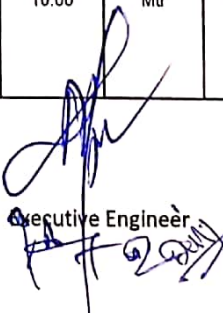
No	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Alloted/ Accepted Rate	Amount
15.00	Centering and shuttering including strutting, propping etc. and removal of form work for Foundation footings, bases for columns Sizes: (2X1.83*2X1.83)X0.61	2.23	Sqm	283.284	631.72
16.00	P/L of 12 mm thick plaster in 1.4m Size: 1.83X1.83+0.61X1.83	4.45	Sqm	280.854	1249.80
17.00	Fabrication of CGI shed by way of providing structural steel in built up sections, trusses and frame work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete welded. Angle Iron Structure of 8mm x 4mm x 4m size Shed	2010.00	Kg	100.278	201558.78
18.00	Providing and fitting of anti bird iron net with square mesh around CGI shed to top 0.60m height for avoiding birds to enter inside shed	155.00	Sq	37.000	5735.00
19.00	Providing and fitting of semi-transparent white Fiberglass corrugated roofing sheets(FRP) 2.0mm thick on sides of shed As Per JKSDR Code No. 12.22.1	17.28	Sqm	1208.600	20874.24
20.00	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8mm dia. with bituman and GI Impet washers filled with white lead including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete ( upto any pitch in horizontal / vertical or curved surface) excluding the cost of purlins, rafters, and trusses and including cutting to size and shape whenever required 1.25mm thick with zinc coating not less than 350gm/sqm	140.00	Sqm	1226.934	171770.76
21.00	Providing ridges of hps of width 60cm overall with plain GS sheets fixed with polymer coated J or L hooks bolts and nuts 8mm dia GI Impet and bituman wasger complete 0.63 mm thick with zin coating not less than 275gm/ sqm	9.00	Mtr	746.658	6719.92
22.00	Providing and fitting of 2m wide, 3.4m in height MS Rolling Shutter having the horizontal slates hinged together and is raised to open and lowered to close it	1.00	Job	15000.000	15000.00
23.00	Providing and fitting of DN 80 mm PN 1.6/16 Ductile Iron double flanged, non-rising spindle soft seated glandless gate/ sluice valves as per IS 14846 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 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. (Make: VAG/Kirloskar/Sachdeva/Sigma Flow)	4.00	Job	15045.000	60180.00
24.00	Providing and fitting of DN 80 mm PN 1.6/16 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 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. (Make: VAG/Kirloskar/Sachdeva/Sigma Flow)	4.00	Job	16980.000	67920.00
25.00	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: 150-400 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 upto 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 upto top level. The voltage Stabilizer shall be accepted with manufacturers dully stamped test certificate and shall have name plate with specifications.	2.00	Nos	97637.000	195274.00

Executive Engineer



Annexure 'B' to this Office Allotment Order No. 17 of 05/2023 for WSS Kumar Mohalla Wachi

No.	Description of Work / Goods with technical specifications	No. of Qty	Units	Amount/ Accepted Rate	Amount
26.00	Providing and fitting of 2.5-Core, 45°C, 1.14% (1) grade 90 square mm Armoured Aluminium Cable of various sizes conforming to IS 12081 from the service line from the off transformer to metered panel including necessary bundling, strapping, tying etc. (Make: Havells/KEI/Finolex)	90.00	Mtr	471.000	42370.00
27.00	Providing and fitting of 2.5 Core 100 sqmm non-sheathed copper cable conforming to IS 1586 (Part 1) - 1982 & IS 1586 (Part 2) - 1982 by Subcontractor Pumping Unit and other electrical Equipments. The cable connections between shall be fixed with copper terminals of required size (Make: Havells/KEI/Finolex)	900.00	Mtr	711.000	258660.00
28.00	Providing and fitting of 25 mm square single core copper cable for interconnecting various electrical points as per IS 1586 (Part 1) along with necessary bundling etc. (Make: Havells/KEI/Finolex)	400.00	Mtr	360.000	40700.00
29.00	Supply, installation of 4 kg (1) size fire extinguisher manufactured as per IS 15003 (Part 1) 2004 with IS mark and comply with BIS/BIS Approval. The fire extinguisher should be suitable for class B & C fire and also for fire involving electrical equipments. The suitable class for fire extinguisher shall be approved by manufacturer and engineers office, registration (F.S.O) as per the subrule rules 2014 and as per IS 12081 of 2004. The body should be made of quenched steel (manganese) conforming to IS 12081 with IS mark and should be provided with adequate grip handle and should be fixed with IS 15222 of 2002 with certificate. The extinguisher shall be provided with manufacturers test certificate and hydraulic test certificate by BIS mark (F.S.O)	2.00	nos	6447.000	12894.00
30.00	<b>Installation of Poles</b> Providing and erection of 4 Mtr long Hot Dip Galvanized octagonal pole (single section) with bottom 150mm top 75mm wide thickness 3mm with 70 Microns Zinc coating having inside arrangement for providing of power connection along with following items: 1) 2 Way Terminal Connector 20 Amp 2) 1 No. MCB 8 Amp The job includes fabrication, providing and fitting of free arm GI structure at the top having 120° angle between arms and each arm having 15° inclination with respect to horizontal plane. Each arm should be of 2 length and size and shape appropriate as per requirement of the luminary. The job also includes providing and fitting of required length of flexible multi strand 2 mm copper wire from each terminal connector to each holding arm. The pole is mounted on 1:2:4 Cement concreting of size not less than 2'x2'x6" (cost of concreting not included in the job) using 04 No. anchor bolts of required size not less than 7" in length. The complete job includes earthing in GI Electrode as per relevant IS Code	2.00	Job	21168.000	42336.00
31.00	Providing installation, testing and commissioning of area lighting 120 Watt LED (Street Light Type) on top of octagonal pole. (Make: Havells/Philips/Bajaj) Having following specs: Input: 90-240 V 50 Hz Power Factor >0.9 Colour Temperature: 4K - 6.5K Beam Angle: 120° - 170° Lumens >12000 Operating Temperature: -20 C to 60 C The LED is pressure die cast aluminum housing with power coated finish and having Ingress Protection up to IP-68 The LED is properly fitted on the arm of the pole and connected to the copper wire as provided in the high mast pole	6.00	Job	8866.000	53196.00
32.00	Providing Laying and connection of 2Cx10 mm <sup>2</sup> XLPE Aluminum Armored Cable from the connector of high mast pole to the stabilizer. The job includes underground laying or overhanging and thimbling as per requirement and directions of the site in-charge. (Make: Havells/KEI/Finolex)	100.00	Mtr	154.000	15400.00
33.00	Providing and installation of Junction Box with DP 32 A MCB to serve as Main switch for LED Lighting. The job includes making of electric connection to the circuit.	1.00	Job	2162.000	2162.00
34.00	Providing installation and testing of 2KVA fully automatic voltage stabilizer with input voltage 70-240 V and output 220 V. The stabilizer shall be installed and connected to the electric circuit as per location provided by site incharge.	1.00	Job	7766.000	7766.00
35.00	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	34053.000	34053.00
36.00	Miscellaneous Items				
37.00	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. (Make: Jyoti/)	10.00	Mtr	1205.000	12050.00

Executive Engineer  


Annexure 'B' to this Office Allotment Order No. 17 of 05/2023 for WSS Kumar Mohalla Wachi

No	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Allotted/ Accepted Rate	Amount
38.00	<p>TOOL KIT For Maintenance - The Tool Kit for maintenance shall comprise of the following and all the items as mentioned below shall be of (Make: Taparia/Jeevan/Inder)</p> <p>Providing of tool kit consists of following items</p> <p>i. Double ended Spanner (Chrome plated) 02 sets complete ii. Double ended Ring spanners chrome plated. 02 sets complete iii. Allen key set black finish 02 sets complete iv. S-16 MXL S-16 HXL Socket Set (16 sockets + 6 Accessories) - 01 No Combination Pliers insulated with thick C.A sleeve, size in mm 165, 210, 255 each - 02 No v. Long nose plier insulated with thick C.A sleeve, size in mm 165, 205 each - 02 No vi. Side cutting plier insulated with thick C.A sleeve, size in mm 165, 205 make - 02 No vii. Insulated screw Drivers Blade / Blade Tip Quantity length in dia in dimensions mm mm in mm 50 3 16 x 0.4 02 75 3 16 x 0.4 02 100 3 3 x 0.4 02 125 3 5 3 5 x 0.5 02 150 3 5 3 5 x 0.5 02 200 4 4 x 0.6 02 300 5 5 x 0.8 02 viii. Hammer with handle weight - 110 gm, 340 gm, 600 gm - each - 1 No. ix. Heavy duty pipe Wrench length in mm - 200, 300, 600 each - 01 No x. Electric Multimeter = 1 No xi. Digital multimeter - 1 No xii. Digital Clamp tester capable to measure up to 400A - 1 No xiii. Hack saw frame with hack saw blade - 01 No xiv. S-16 MXL S-16 HXL Socket Set (19 sockets + 6 Accessories) - 01 No</p>	1.00	Nos	26640.000	26640.00
39.00	Fabrication of 6' x 6' angle iron bed by way of providing and fitting of 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	94.75	Kg	93.000	8811.75
40.00	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 ply sheet by one coat of primer and two coats of enamel paint	36.00	sft	140.000	5040.00
41.00	<p>a) 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 patila( utensil) 5ltrs 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. All the utensils shall be of Prestige, Pigeon, Wonder chef, United, Futura make. 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. of Samruddhi/ Neel kamal/Supreme /Anmol Make. The job also includes providing of good quality safety Door locks (03 No's) of Godrej, Link locks, Thapar make.</p>	1.00	Nos	39619.000	39619.00
42.00	Providing of solar/ electrical lantern chargeable on both solar & electrical 220v supply.	1.00	Nos	1911.000	1911.00
43.00	Providing of bamboo ladders 18 feet long along with 15 feet long Link rods and HT Glove pair (01 No each)	1.00	Nos	7350.000	7350.00
44.00	Providing of 1 KW heat convector for operators for winter season.	1.00	Nos	1205.000	1205.00
45.00	Providing and fitting of 01 No. LED (scroll type) sign board fabricated out of stainless steel and metal showing the names of water supply scheme and the Department. Size: 6'x1'6"	9.00	sft	3998.000	35982.00
46.00	Providing and fitting of 01 No. angle iron/sheet metal board duly painted showing various specifications of the mechanical and electrical equipments installed at site. Size: 4'x6' out MS ANGLE OF 40X 40X 5 of 36 rft and MS sheet of 1 mm thick total weight of 50.16 kgs	24.00	sft	250.000	6000.00
47.00	Electric Substation Works				

Executive Engineer

Annexure 'B' to this Office Allotment Order No. 17 of 05/2023 for WSS Kumar Mohalla Wachi

No	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Alloted/ Accepted Rate	Amount
48.00	Supply, installation, commissioning and Creation of pole mounted, outdoor type 63 KVA (Level-2) 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 jel 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. (Make: KIN India/Aditya Power & Controls/Alba/JK)	1.00	Job	156330.000	156330.00
49.00	Providing and fitting G.I Channel /Angle/ Flat of sizes including clamps	352.00	Kg	123.000	43296.00
50.00	Supply, Installation, Testing and commissioning of Polymeric Gang operated Air break switch, outdoor type, triple pole, suitable for vertical installation, single break provided with locking arrangement at both ON and OFF position consisting of HT post double insulator, copper or copper alloy high pressure heavy contact assembly, rod with bearings , operating handle and 2 length of 32mm dia. GI pipe conforming to IS 1818 1961, 06 No. of insulators, rated voltage 11KV 200A complete as per IS specs.	2.00	Job	11388.000	22776.00
51.00	Supply, Installation, Testing and commissioning of 11KV polymer fuses Set Horn Gap 3-phase 200 A suitable for vertical installation .	1.00	Job	4838.000	4838.00
52.00	Supply, Installation, Testing and commissioning of Gapless Surge arrestor station class, 10KA, 9KV, LA With polymer housing , Station Type .	1.00	Job	7528.000	7528.00
53.00	Supply and fitting of 11 KV polymeric composite pin insulator 12 KV, 5KN, Lighting impulse 75KV Positive, and 80 KV Negative , creepage distance 320 mm	20.00	Job	337.000	6740.00
54.00	Supply, installation, erection of 9 mtrslong H.T pole of specifications ST- 410 (sp-33) . the job further includes drilling of holes for installation of various accessories ,wherever required the job further includes G.I wire earthing of pole as per REC standard .	20.00	Job	20083.000	401660.00
55.00	P/F of Galvanized nuts, bolts of various sizes as per site requirement.	60.00	Kg	138.000	8280.00
56.00	P/F Danger Plate with clamps	20.00	Job	148.000	2960.00
57.00	Providing and fixing G.I Barbed wire for anti climbing/ anti-climbing devices	51.00	Kg	132.000	6732.00
58.00	Providing and fitting of Galvanized stay set with 50 X 8 mm Stay Clamp, Guy insulator (2 No.), Anchor plate (200X200X6mm), nuts and bolts, 2 NO- turn buckle, 1.8 m long, 16 mm diameter solid G.I stay rod & 7/3 15 mm dia. G.I stranded wire complete.	9.00	Job	4779.000	43011.00
59.00	Painting of poles Red oxide	20.00	Litre	297.000	5940.00
60.00	Painting of poles Aluminum paint	20.00	Litre	495.000	9900.00
61.00	Providing and fitting of ACSR as per IS 398 (part-2) 1996 for 50 sq.mm ACSR (Galvanised steel reinforced) for fitment of various accessories	60.00	Mtr	55.000	3300.00
62.00	Supply, Installation and Testing of 35 Sq mm XLPE Aluminum H.T cable (ABC type) of 11 KV grade with following specs. Size (cross sectional area in sq mm) = 3x35 Phases: Red, Yellow, Blue (Make: Havells/KEI/Finox)	600.00	Mtr	794.000	476400.00
63.00	Providing and fitting of suspension/ tension clamp with Eye Hooks required for holding of 3 – Core, 35 Sq mm H.T AB Cable.	20.00	Nos	892.000	17840.00
64.00	P/F of 11 KV cable termination kit for connecting 35 Sq mm XLPE cable (ABC type) with the existing HT line near tapping point and HT transformer.	4.00	Nos	8732.000	34928.00
65.00	P/I/T/C of LT 3 phase, 4 wire, Prodigy meter of capacity 40-200 Amp, 415 V, 50 Hz preferably of Secure make with all accessories & fittings, cabling required as pe site requirement.NOTE:- The job includes complete charging of subsation which includes getting clearmace from PDD and sealing of meter etc.	1.00	Job	28000.000	28000.00
66.00	P/I of earthing station for 63 KVA electric substation, LT panel and stabilizer comprising of company fabricated earthing electrode as per IS: 3043. The job includes Auguring of bore of required dia/depth for installation of electrode along with backfill compound mixed with soil and all other items required thereof for achieving the best result. The job includes connecting of electric gadgets through GI strip as per relevant standards. Safe earthing electrode size : 80 mm dia , Length : 2000 mm Back fill compound : 30 kg	2.00	Job	10462.000	20924.00

Executive Engineer

Annexure 'B' to this Office Allotment Order No. 17 of 05/2023 for WSS Kumar Mohalla Wachi

L.No	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Alloted/ Accepted Rate	Amount
67.00	Earthing complete by GI pipe 40mm or GI rod 3 m long through GI strip 25x3mm	19.00	Nos	2410.000	45790.00
68.00	Providing and fitting of LT Distribution box for H.T transformer with MCCB For incomer and SFU for outgoing circuits, the capacity of H.T Transformer is 63 KVA	1.00	Job	28118.000	28118.00
69.00	Earth work in excavation by manual means in trenches for foundation, drains, pipes, cables (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and reaming of bottom lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed, all kinds of soil	10.00	cum	470.000	4700.00
70.00	Providing and laying of soling stone including manual compaction	3.40	cum	665.000	2261.00
71.00	Providing and laying in position cement concrete of specified grade including curing but excluding the cost of centring and shuttering, all work upto plinth level with 1:2:4 mix (1 cement, 2 coarse sand, 4 graded stone aggregate 20 mm nominal size)	10.00	cum	6317.000	63170.00
<b>Total in Figures:</b>				<b>5466763.070</b>	
<b>Total in Words: Rupees Fifty-Four Lac, Sixty-Six Thousand, Seven Hundred &amp; Sixty-Three only.</b>					

Executive Engineer  
Jal Shakti (PHE) Mechanical Division  
South Awantipora

Executive Engineer