Government of Jammu and Kashmir (UT)

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

Allotment Order No: 462 of 03/2023

M/S Gousia Road Construction Company
Prop: Farooq Ahmad Rather
R/O. Kangan Ganderbal
Head Office: Kangan Ganderbal
GST No:01AD/FPR9843Q1ZV
e-mail:gousiaconstruction@gmail.com
Cell No:9419003365

AA Accorded vide Order No.	CE/PHE/DB/JJM/238 of 01/08/2022
Tech. Sanction Accorded vide Order No.	15-PHE/MCS of 2022 dtd.18/08/2022
Adv. Cost:	Rs. 55,85,000/-
Allotted Cost:	Rs. 50,76,759/-

Subject:- Supply/Installation/Testing & Commissioning of electro-mechanical equipments and construction of pump house cum operator quarter for WS Scheme Bulbul Nowgam under JJM.

Reference:- 1. This office e-NIT No.: 48 of 2022-23 of 03/09/2022 issued under endorsement No.: JSD/PHE/MDSA/2225-43 Dated: 03/09/2022 read with Corrigendum No.: JSD/PHE/MDSE/ 2767 Dated: 28/09/2022.
2. Superintending Engineer PHE Mechanical Circle (South) Srinagar's Office Letter No.: PHE/MCS/TS/3139-41 Dated: 16/03/2023.
4. 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. 11 leaves

No.: MDSA/ 6091-97

Dated: 31 /03/2023

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) Anantnag for information.
3. Superintending Engineer Jal Shakti (PHE) Mechanical Circle (South) Srinagar for information. This is with reference to his No. under reference at Sl. (02) above.
4. Superintending Engineer Jal Shakti (PHE) Hydraulic Circle Anantnag/Kulgam for information.
5. Executive Engineer Jal Shakti (PHE) Division Bijbehara for information.
6. Assistant Executive Engineer Jal Shakti (PHE) Mech. Sub Division **Bijbehara** 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.
7. File concerned.

ANNEXURE "A" to this office Allotment Order No: of 03/2023

Name of work: Supply/Installation/Testing & Commissioning of electro-mechanical equipments and construction of pump house cum operator quarter for WS Scheme Bulbul Nowgam under JJM.

General Terms and Conditions: -

1. **TIME OF COMPLETION**: The scheme shall have to be completed/tested/commissioned within a period of **90 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…2nd…)

Executive Engineer

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

14. TRANSIT INSURANCE:- Prior to dispatch, the ordered equipment shall be insured through a Nationalized Insurance Company up to its final destination, against all transit risks. The firm should, therefore, take appropriate insurance policy in advance for covering the transit of the goods, charges for which shall be borne by the tenderer and shall be included in his quoted rates. The department shall pay no extra charges on this account.

15. SUBLETTING OF WORK:- **The bidder shall not sublet the whole or part of the work.** The bidder shall not assign the work or any part thereof or any benefit or any interest thereon or any claim arising of the contract, without prior written consent of the allotting authority.

16. LIQUIDATED DAMAGES (LD):- In the event of firm's/joint venture failing, declining, neglecting or delaying the supplies / works or in the event of any damage occurring or being caused by the firm/ joint venture or in the event of any default or failure by the firm in complying with any of the terms and conditions of the contract, the Department shall with or without prejudice to any other remedies available to it under any law for the time being enforce in the UT:

a) Terminate the contract after 15 days' notice

and/or

b) Recover the amount of loss caused by damage, failure or default, as may be determined by the department.

and/or

c) Recover the extra cost, if any, involved in allotting contract to other party.

and/or

d) Impose Liquidated damages on account of delay beyond the schedule completion period to the tune of 0.5% of the delayed portion of contract every week but not exceeding 10% value of the contract.

and/or

e) Forfeit the performance security and blacklist the firm.

17. THIRD PARTY MONITORING: The allotted works shall be subject to check by the third party monitoring agency appointed by the Department in Kashmir. The agency shall check the quality of works executed by the agencies, quality of materials used for construction and quality of machinery installed in each scheme. The TPIQM's role shall be that of an assistant to the Employer's Representative for the purpose of monitoring and evaluation of the performance of the Contract during the Contract Period.

18. STORAGE AT SITE: The bidder shall at his own cost make arrangements for proper storage especially towards Rain and Snow damages of the equipment/ materials at sites till its erection/completion. For the purpose the bidder shall, with the approval of Engineer in charge construct temporary storage accommodation for equipment/ material at site for which land shall be provided by the department near the site of work.

19. OPERATION AND MAINTENANCE MANUALS: The bidder shall supply, free of cost to the Department, six complete sets of operation and maintenance manuals for the Pumping Equipment. The delivery of these manuals shall be made by the bidder to the Engineer along with the supply of equipment. The manuals shall be appropriately bound in book form and shall contain all necessary instructions regarding operation, preventive maintenance, repairs, trouble shooting, overhauling etc.

20. OEM Certificate: The contractor shall produce all relevant test certificates of the manufacturer to the Engineer in-charge before start of the work. The test certificates of the equipment's on whole or all accessories/ attachments and mountings thereof shall be appended with the invoice at the time of submission of the claim to Divisional office. Failure to do so shall result in non-acceptance of invoice/bills by the Divisional office.

21. CLARIFICATION: If any clarification is required by the Firm/contractor in relation of technical specifications, the same shall be had from the office of the Assistant Executive Engineer concerned/ Executive Engineer PHE Mechanical Division South Awantipora before the date of start of work.

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Executive Engineer

ANNEXURE "A" to this office Allotment Order No: of 03/2023

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.

31. INSPECTION & TESTING:- Before dispatch from the works of the OEM, the electro-mechanical equipment shall be inspected by a third party inspection agency i.e. M/S CEIL/Rites etc. New Delhi. However, the Firm (Bidder) shall make payment to the Inspection Agency (in case of 3rd Party Inspection) which shall subsequently be reimbursed by the Department. The successful tenderer shall intimate the Department and the Inspecting Agency/Authority in advance regarding the readiness of the equipment for dispatch and shall furnish test certificates. It shall be responsibility of the suppliers to tie up with the third party nominated for inspection and get necessary inspection of the material done within the delivery period. Any delay on the part of the third party shall not be entertained as an excuse for timely supply of material. The product/ material at site shall be inspected by Assistant Executive Engineer concerned or any other official(s) of the department designated by the concerned Executive Engineer. Any modifications to the works as specified in the specifications considered to be necessary for smooth and trouble-free operation of the equipment by the Department or the third-party inspection agency, the firm shall have to execute the same without any extra cost, to the best satisfaction of the department. The firm shall as such keep the department informed about arrival of material at site. It shall be obligatory on the part of the firm to rectify the defects pointed out by the AEE, if any, and also to incorporate any modification within the scope of work which may be deemed necessary for better performance/finish and workmanship. The supplier upon demand by the department or its representative shall rectify or replace defective unsuitable equipment. The Department reserves the right to nominate his representative for inspection of the goods at the works of the supplier/ manufacturers. As such the department at all reasonable times shall have access to the works and to the site and to all workshops and places where work is being executed and where material / manufactured articles and machinery 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. 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 JUM)

...to this Office Allotment Order No. _____ of _____ for WSS Bulbul Nowgam

	Description of Work / Items) with technical specifications	No. of Qty	Units	Allotted/ Accepted Rate	Amount
	(Part A Electro Mech) WSS Bulbul Nowgam				
2.00	Supply, Installation, Testing & Commissioning of Open Submersible Pumping Unit (vertical) as per IS 8034 for with following specification are as under PUMP Discharge Range = 10000-16000 GPH Head Range = 45-60 mtrs Efficiency = Not less than 60% Speed = 2900 Rpm Type of pump = Openwell Submersible Pump (Vertical) Type of fluid to be handled = Clear Water MATERIAL OF CONSTRUCTION Impeller = Stainless Steel Pump Shaft = Stainless Steel SS 410 Pump Casing Cast Iron/Stainless steel IMPELLER Impeller is of the enclosed or semi - enclosed type and properly balanced. Enclosed impellers equipped with wear rings on their hubs. COUPLING A suitable coupling arrangement provided with pump set. Non Return Valve - Non Return Valve of the suitable size provided above the pump discharge case. MOTOR Method of starting = Star - Delta Speed = 3000 (Sync) Frequency Motor Rating = 20.00 HP Method of starting = Star - Delta Speed = 3000 (Sync) Frequency = 50 ± 3 % Hz Working Voltage = 380-415 ± 15% V, 03 phase Efficiency = Not less than 80% Class of insulation = F Make KSB Kirloskar Lubbi Submersible motor should be water filled water lubricated squirrel cage type having capacity for above pumping parameters and working on 3 phase AC supply ranging from 380 to 415 volts, 50Hz. The motor should be sealed by radial rings to avoid mixing of well water with motor filled water a) The job includes providing and fitting of interlocking arrangement against any failure of coupling. It must be fabricated out of MS strips of suitable size and length b) The job includes providing and fitting of appropriate size MS nipple 2 feet long threaded on one end and welded to same size MS flange of thickness (as per Table-17) at other end for column pipe as per site requirement. The threaded portion should be as per size of pumping out let for proper fixing The job includes providing and fitting of R I cloth joints/rubber washers with nuts, bolts and washers for all joints of column pipe. The job also includes lowering of pumping unit in the well then proper testing and commissioning of pumping unit on full load at site Note Providing of test certificate & Characteristic Curve of pumping equipment is compulsory and pumping unit is to be approved from the concerned Sub Divisional office before procuring	2.00	Job	114212.00	228424.00
3.00	Fabrication providing fitting and lowering of column pipe conforming to IS 1239 of length 10 Rft into the 200/ 250/300 mm casing dia production well up to the desired depth. The job includes Providing and welding of flanges conforming to IS 6392 Table-17 and PN 16 to these pipes and welding of flanges in two layers to make the flanged joint strong and leak proof. The pipe of 10 ft length is to be weld on both sides with flanges using welding rod of reputed make. The job includes all types of skilled labours, arrangement of power supply/ diesel Generator set etc required for the job including P/F of suitable size nuts bolts and R I Gasket in the flanged joints of column pipes. The job further includes cutting of 2 no rectangular cable slots in each flange. Size DN 100 Class B (Medium) Make Jindal/Bhushan/Swastik/Hissar	3.00	Job	6633.00	19899.00
4.00	Providing/supplying and fitting of G I flanged Rising Main at site. The Pipe shall be hot dip Galvanized, class-B confirming to IS 1239. The job includes providing and fitting of M.S Flanges conforming to BIS 6392/1997 Table 17 (Rating PN16). The flanges shall be double welded both from inside and outside of the pipe using standard electrode of reputed make Flanges (as per IS 6392/1997 Table 17) Thickness shall conform to IS 6392 Part 1st Table-17. The flange welding shall be carried out in double layers using reputed make electrodes to form strong welding joint. Welding Electrode DC Arc Welding using welding electrode having diameter not less than 4mm. Nuts and Bolts Nuts and Bolts (conforming to IS:1363 Part 1st) Rubber Insertion Gaskets Rubber Insertion Gaskets (conforming to IS: 638/79) to be used between flanged joints. Size DN 100 Class B (Medium) Make Jindal/Bhushan/Swastik/Hissar	180.00	Mtr	1575.000	283500.00
5.00	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 01 meter from cutting edge)	74.39	cum	300.000	22317.00
6.00	Filling available excavated earth in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by reaming and watering, lead upto 50 m and lift upto 1.5m.	59.51	cum	198.70	11824.64
7.00	Providing and laying hand packed stone soling	3.00	cum	616.40	1849.20
8.00	Centering and shuttering including strutting , propping etc. and removal of form work for Foundation, footings, bases for columns	5.00	Sqm	262.30	1311.50
9.00	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)	13.30	cum	6434.00	85572.20
10.00	Fabrication, providing and fitting of washout Tee with arm length 1.2 feet each. The Tee shall be fabricated out of G.I pipe with M.S Flanges conforming to BIS 6392/1997 Table 17 (Rating PN16) fastened with weld joints on three ends. Size : DN 100 Class: C (Heavy)	1.00	Job	4800.00	4800.00

Executive Engineer

to this Office Allotment Order No. _____ of _____ for WSS Bulbul Nowgam

	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Alloted/ Accepted Rate	Amount
11.00	ging and fitting of Ductile Iron double flanged, non-rising spindle soft seated, glandless gate/ sluice valves as per 14846 for regulating the water supply outside the pumping units The body and bonnent 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 DN100 PN 1.6/16 (Make VAG/Kirloskar)	2.00	No	18000.000	36000.00
12.00	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 100 mm PN 1.6/16 (Make VAG/Kirloskar)	4.00	Job	19500.00	78000.00
13.00	Providing, fitting, testing and commissioning of ARV (Air Release valve) as per IS 14845 to be fitted to G.I rising Main. The ARV Shall have the following specifications: - i. Valve type - single chamber, single/double orifice. ii. End connection - flanged ends to IS 1538 iii. Working temperature - 45oc to -150 c iv. Test pressure - body / seat 2.5 x PN v. Sealing ring - EPDM vi. Construction -ductile iron with stainless steel floats vii. Coating - epoxy with corrosion resistance. The job also cost on account of P/F R.I gasket, GI Pipe, nuts and bolts required for installation of ARV and arrangement of gas cutter/ welding set at site. Size 50mm PN 1.6/16 (Make VAG/Kirloskar)	2.00	Job	19394.00	38788.00
14.00	Fabrication, Providing and fitting of 90-120 degree bend/elbow to be fabricated out of G.I pipe, 1 m length and flanged on both ends a to make it leak proof. The flanges shall be M.S Flanges conforming to BIS 6392/1997 Table 17 and welded on both sides. The job includes cost of providing/fixing of nuts, bolts, gaskets etc as per site requirement. Size DN 100 (Rating PN16)	10.00	No.	3509.00	35090.00
15.00	Fabrication, providing and fitting of split type MS clamps10 mm thick, 2 ft long and 3 inch wide for lowering and holding of pumping unit fitted. The job includes the cost of providing/fixing of required size of nuts and bolts. Size 100 mm	2.00	Job	2100.00	4200.00
16.00	Fabrication of gantry mechanism/CGI Shed by way of providing/fabrication of Structural steel in built up sections , trusses and framed work, including cutting , hoisting , fixing in position and applying a priming coat of steel primer and 02 coats of paint of approved shade all complete welded. The drawings and Dimensions for Gantry/CGI Shed will be provided by Site In Charge at the time of execution of job	1550.00	Kg	110.00	170500.00
17.00	Providing, installation and testing of manual type triple spur gear chain pulley block along with monorail geared travelling trolley having following features Gears:- The hoist shall have precision machine case Hardened alloy steel gear mounted on bearings and housed in a dust proof gear box. The lubrication of gears should be of high viscosity and temperature for longer life of gears. Load Chain :- The load chain be made of high tensile alloy steel having wear resistance and greatest mobility. The chain should be accurately collaborated, tested and have adequate in built factor of safety for safer operation. Load chain wheel:- the load chain well should be double ball bearing supported and Specially designed, perfectly machined wheel providing correct grip of load chain to makes the hoist most safe and reliable against any failure. The main specifications of C.P Block are given below : No. Of load chain falls = 2 or above Min. Height of lift = 6 M Capacity = 2 ton (Make: Pul lift/Indef/Hercules)	1.00	Job	42000.000	42000.00

Executive Engineer

r to this Office Allotment Order No. _____ of _____ for WSS Bulbul Nowgam

	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Alloted/ Accepted Rate	Amount
18.00	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 aluminium 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 Type of cooling: ONAN (Make: Alba/Northern/Equivalent) Rating: 63 KVA HT Transformer, 3 phase (Level 2) Manufacturers certificate be apended	1.00	Job	144000.000	144000.00
19.00	Providing and fitting G I Channel /Angle/ Flat of sizes including clamps	357.00	Kg	123.00	43911.00
20.00	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	11730.00	23460.00
21.00	Supply, Installation, Testing and commissioning of 11KV polymer fuses Set Horn Gap 3-phase 200 A suitable for vertical installation	1.00	Job	4838.00	4838.00
22.00	Supply, Installation, Testing and commissioning of Gapless Surge arrestor station class, 10KA, 9KV, LA With polymer housing. Station Type	1.00	Set	7500.000	7500.00
23.00	Supply and fitting of 11 KV polymeric composite pin insulator 12 KV, 5KN, Lighting impulse 75KV Positive, and 80 KV Negative, creepage distance 320mm	36.00	Job	337.000	12132.00
24.00	Supply, installation, erection of 9 mtrs long H.T pope 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	12.00	No.	20686.00	248232.00
25.00	P/F of Galvanized nuts, bolts of various sizes as per site requirement.	48.00	Kg	142.00	6816.00
26.00	P/F Danger Plate with clamps	12.00	No.	150.00	1800.00
27.00	Providing and fixing G I Barbed wire for anti climbing/ anti climbing devices with clamps.	48.00	Kg	136.00	6528.00
28.00	Providing and Fitting of PG clamps	8.00	No.	150.000	1200.00
29.00	Providing and fitting of Galvanized stay set with 50 X 8 mm Stay Clamp , Guy insulator (2no.), Anchor plate (200X200X6mm) , nuts and bolts , 2 N0- turn buckle , 1.8 m long , 16 mm diameter solid G.I stay rod & 7/3.15 mm dia. G I stranded wire complete	10.00	Set	4779.00	47790.00
30.00	Painting of poles Red oxide	12.00	Lit	306.00	3672.00
31.00	Painting of poles Aluminum paint	12.00	Lit	510.00	6120.00
32.00	Providing and fitting of ACSR as per IS 398 (part-2) 1996 for 50 sq.mm ACSR (Galvanized steel reinforced) for fitment of various accessorie	100.00	Mtr	56.00	5600.00
33.00	Supply, Installation and Testing of 35 Sq mm XLPE Aluminum H.T cable (ABC type) of 11 KV grade with following specs (Make: Havels/Finolex/L&T) Size (cross sectional area in sq mm) = 3×35 with reinforced wire Phases: Red, Yellow, Blue	330.00	Mtr	675.000	222750.00
34.00	Providing and fitting of Anchoring clamps comprising clamp body , plastic wedge, steel bill bracket , straps and buckles or nuts and bolts required for holding of 3 – Core , 35 Sq. mm H.T AB Cable.	12.00	Job	457.00	5484.00
35.00	Providing/fitting 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	Job	8732.00	34928.00
36.00	Providing and fitting of LT Distribution box for H.T transformer with MCCB for incomer and SFU for outgoing circuits. Capacity of transformer: 63 KVA	1.00	Job	28118.00	28118.00
37.00	Providing and fitting of PRODIGY LT Metre of following specification complete with all fixtures required for fitment at site Type: E3L100, 3 Phase, 4 wire Measurements offered: KWh,KVARh,KVAh,KVA Voltage : 3x240V(415v),50HZ Ib : 40A Imax: 200A Battery: Lithium	1.00	Job	21000.000	21000.00

Executive Engineer

To this Office Allotment Order No. _____ of _____ for WSS Bulbul Nowgam

	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Alloted/ Accepted Rate	Amount
36.00	Supply, Providing and fitting of MU-G30 Modular motor control panel of appropriate size fabricated out of 14 SWG CRCA sheet having required openings/vents and protection Class IP 55 & fitted with accessories as under a) Bus bar Chamber The bus bar chamber shall be fitted at the top of the panel horizontally throughout the length. There shall be 3 Nos. of phase bus bar and 1 No. neutral bus bar and 1 No. earthing bus bar. The bus bars shall be air insulated and made up of high conductivity COPPER with current density of suitable rating for 100/200 Ampere. All panel compartments shall be provided with suitable cable alley and vertical bus bar alley. Suitable segregation shall be provided in between bus bar chamber and adjoining compartments. The bus bar shall be PVC sleeved with color strips of red, yellow, blue and black neutral and body as per standards b) Main Circuit Breaker (Incomer MCCB) Qty = 02 No. of poles = 4 Pole Current Rating = As per requirement Rated operational voltage = 415 V + 15 % Rated frequency = 50+/-3%Hz Ambient temperature = 40C° Ultimate S.C Breaking Cap at (415V AC, 50 Hz) = As per requirement Type of release = Thermal-Magnetic Overload protection = 0.8 – 1×In adjustable Short-circuit protection = 6-10×In adjustable Current rating = As per requirement c) Change over Switch Qty = 01 No Rating = As per requirement Type = Front operated, on load, 4 pole, 400 +15%V, 50 + 3%Hz d) Motor Back-up Protection MCCB: Qnty = 2 No No. of poles = 3P Current Rating = As per requirement Rated operational voltage = 415 V +15 % Rated frequency = 50 + 3% Hz Ambient temperature = 40C° Ultimate S.C Breaking Cap at (415V AC, 50 Hz) = As per requirement current rating = 200 A a. Submersible starters -= Fully automatic star delta b. Capacity = As per requirement Power Specs = 3 Φ 415 + 15% V, 50 + 3 % Hz Relay range = As per requirement. Coil Voltage = 380 v Protection = single phasing , phase Reversal, phase unbalance (55 ± 5 V), Rated insulation voltage = 690V Terminal capacity = 120 Sq. mm with lug Or above Conformity to standard = IS/IES 60947-4-1 Qty = 2 No's e) Auxiliary MCCB for Heating/Lighting: Circuit Breaker = MCCB (Outgoing) Qty = 1 No No. of poles = 4P Current Rating = As per requirement. Rated operational voltage = 415 V + 15 % Ultimate S.C Breaking Cap. at (415V AC, 50 Hz) = As per requirement g) Motor Protection Relay: Digital Motor Protection Relay with LCD Display for 3-phase supply with following protections suitable for the Modular Control Panel.- Protections = Thermal Overload with pre-alarm, Short Circuit, Phase Loss, Unbalance, Phase reversal, Under Current over current, Prolong starting, Locked Rotor, Under voltage, over voltage & Earth fault. h. M-power module for mobile starter for submersible motor 1P/3P 3 wire IVRS Languages – English , Hindi, Suitable Region- North India f) The panel shall be provided with phase indicators (03 N0) and digital ammeter of range 0-60 A, digital voltmeter of range 0-500 V, and digital frequency meter (01 No for each starter). The enclosure of the panel shall be of excellent fit and finish, corrosion resistant and powder coated gliding hinges for smooth and noiseless movement of windows and advanced locking arrangements. I) MUG 30 Pannel i) Bus bar size(10 mtrx .02 mtrx 0.003 mtr x)8960 kg/m3 =5.38 kgs 100A ii) D-sine MCCB 4 pole (DN2 250N, 160-200, 50KA) iii) Change over switch Front Operated 100A iv) D sine MCCB 3 pole (DN0 125D, 100-125, 36KA) v) Mug (details as per estimate) x 2 (Mug 30, 30-50Amp relay) vi) Auxiliary MCCB 63Amp vii) MM 10 of L@T (Motor Protection) Motor Protection viii) Module for mobile starter ix) Meters ,(Ammeter & voltmeter) and Freq Meter x) Indicators LS xi) Over load and Under Voltage Minlec MCCB/Change over (Make: L&T/Schenider/ABB)	1.00	Job	217200.00	217200.00

Executive Engineer

to this Office Allotment Order No. _____ of _____ for WSS Bulbul Nowgam

	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Alloted/ Accepted Rate	Amount
39.00	Supply, 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: 240-400 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): 35°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 CQR 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 duly stamped test certificate and shall have name plate with specifications.	2.00	Job	107401.00	214802.00
40.00	Providing and Fitting of 2/3.5-Core, XLPE, 1.1KV and 11KV grade Armoured Aluminum Cable of various sizes conforming to IS: 7098 part 1st as service line from the HT transformer to control panel including necessary thimbling, crimping, taping etc. (Make: Havells/Finolex/L&T) i) 50 sqmm, 3.5core, LT cable	90.00	Mtr	473.00	42570.00
40.01	ii) 10 sqmm, 2 core, LT cable	50.00	Mtr	154.00	7700.00
41.00	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 Equipment. The cable connections terminal shall be fitted with copper thimbles of required size. The main specification of the cable is given below. (Make: Havells/Finolex/L&T) Size: 16 sq mm	270.00	Mtr	600.000	162000.00
42.00	Providing and fitting of 50 mm square single core copper cable for interconnecting various electrical gadets as per IS 694: 2010 along with thimbling as per requirement. (Make: Havells/Finolex/L&T)	180.00	Mtr	722.00	129960.00
43.00	Providing and Fitting of cable tray of suitable size for carrying the cable inside the machinery room.	50.00	Mtr	1030.00	51500.00
44.00	P/I of earthing station for 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 : 65:60 mm dia (As specified), Length : 2000 mm Back fill compound : 30 kg	6.00	No.	10462.00	62772.00
45.00	Supply, installation of 6 kg CO2 type fire extinguisher manufactured as per IS: 15683 of 2006 with IS mark and comply with DGMS (Approval). The co2 extinguisher should be suitable for class B & C fire and also for fire involving electrical equipment. The cylinder used for fire extinguisher shall be approved by petroleum and explosive safety organization (PESO) as per gas cylinder rules 2004 and as per IS: 7285 of 2004. The body should be made of seamless steel (manganese) confirming to IS: 7285 with IS mark and should be provided with squeeze grip nozzle and should be filled with co2 confirming to IS: 15222 of 2002 with certificate. The extinguisher shall be provided with manufactures test certificate and hydraulic test certificate by BIS from PESO.	4.00	Job	6000.000	24000.00
46.00	Illumination of Premises: Providing and erection of 9 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) 3 Way Terminal Connector 20 Amp. 2) 3 No MCB 8 Amp. The job includes fabrication, providing and fitting of three 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 multistrand 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.	1.00	Job	21168.00	21168.00
47.00	Providing, installation, testing and commissioning of area lighting 120 Watt LED (Street Light Type) on top of octagonal pole vide item No.36 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. (Make: Bajaj/Havells)	3.00	Job	8866.00	26598.00

Executive Engineer

... this Office Allotment Order No. ______ of ______ for WSS Bulbul Nowgam

S. No	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Allotted Accepted Rate	Amount
	[illegible] and installation of Junction Box with [illegible] to serve as main switch to LED Lighting. The job includes [illegible] of electric connection to the circuit.	1.00	Job	[illegible]	[illegible]
	Providing installation and testing of [illegible] fully automatic voltage stabilizer with input voltage [illegible] and output [illegible]. The stabilizer shall be installed and connected to the electric circuit as per location provided by site in charge.	1.00	Job	[illegible]	[illegible]
50.00	Providing, installation, Testing & commissioning of [illegible] 3 phase air cooled Diesel Generator set as per [illegible] pollution free acoustic enclosure [illegible] as per Ministry of Environment protection rule [illegible] with latest amendments. The DG Set is required to be fitted and tested at site [illegible]. D G Set shall have the following technical specification. Besides the above works the D G set shall be provided with 12 V [illegible] Lead acid battery of reputed make fitted inside the D G set Canopy along with necessary accessories like fuel tank (inbuilt) etc and battery charger of required capacity. Standard Control Panel The control panel shall be fabricated out of suitable sheet steel duly pretreated and aesthetically finished. The control panel shall be totally enclosed, dust and vermin proof, floor/ wall mounted type. The control panel shall consist of following instruments i) A C Voltmeters of class 1.5 accuracy and 0-500 V with 4 position Selector switch ii) A C Ammeter of class 1.5 accuracy and of suitable range iii) HRC Fuses of suitable rating iv) One MCB of suitable rating for D G Sets v) Frequency meter vi) Power Factor meter digital type above 15 KVA vii) Push buttons switch for ON and OFF operation viii) Pilot lamps ix) Battery charger/ inverter with voltage regulator, Voltmeter and Ammeter for charging the battery from Mains. This will be in addition to battery charging alternator fitted on the engine x) Energy meter (class-2) of suitable rating confronting to relevant IS for DG Sets above 15 KVA rating xi) Instrument and control fuses All the components in the control panel shall be properly mounted, duly wired and labeled. Suitable terminals shall be provided for incoming and outgoing connections. The instruments / components shall be of reputed make. Item No II, v, vi and x can be alternately supplied in one combined digital meter The job also includes the cost on account of HSD and skilled operator required for operation of D G set for a period of 10 hours continuously during its testing and commissioning of D G set at site. the capacity of the D.G set is given below Rating 40 KVA , Air Cooled (Make: Kirloskar/Cummins/Mahindra/Eicher)	1.00	Job	575000.00	575000.00
51.00	Providing and fitting of L.T. 35 sq mm. 1 core. Suitable to 1.1 KV , XLPE insulated, galvanized steel strip armored copper cable conforming to IS : 7098(part -1) 1988 with latest amendments. The job includes providing and fitting of suitable rating copper thimbles duly crimped and taped at conductor ends by hydraulic crimping tool. The job includes earth work in excavation wherever required for laying of cable underground. (Make: Haveils/Finolex/L&T)	150.00	Mtr	375.000	56250.00
52.00	Providing, Installation, Testing & Commissioning of complete switchgear unit for protection of D.G Set consisting of 200A MCCB 3- pole , 415 V, 50 KV breaking capacity housed properly in cubical enclosure made up of M.S SWG – 16 sheet steel (outdoor type) duly powder painted with anti-corrosive paint comprising of three compartments for incoming / outgoing circuits and MCCB. The panel should have adequate double locking Arrangement with Cu-. Bus Bar 12x40 mm with Bakelite insulation and LT Arrangement selector switches, phase indicators. The equipment should be installed at appropriate height in a stand consisting of 50 x 50 x 6 mm angle grouted in ground with appropriate cement bottoming as per the IS standard. (Make: L&T/ABB/Schenider)	1.00	Job	39422.00	39422.00
53.00	Carriage of sand , stone aggregate by mechanical transport including loading , unloading and stacking (average distance-5km)	70.00	cum	197.00	13790.00
54.00	(Part B) Pump House of WSS Bulbul Nowgam				
55.00	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 : 01 meter from cutting edge)	147.19	Cum	150.000	22078.50
56.00	Extra for every additional lift of 1.5m or part thereoff.	12.79	Cum	30.000	383.70
57.00	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming etc.	19.95	Cum	700.000	13965.00
58.00	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: 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	7.13	Cum	4200.000	29946.00
59.00	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto five level including curing but excluding the cost of centring, shuttering, finishing and reinforcement with 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	12.88	Cum	8100.000	104328.00
60.00	Centering and shuttering including struting proping and removal of form work. a) Beams, Lintels etc	18.72	Sqm	420.000	7862.40
60.01	b) Suspended Floors, Roofs, Landings etc	52.30	Sqm	420.000	21966.00
60.02	c) Edges of Slabs & breaks in floor walls	51.97	R.M	242.30	12592.33
60.03	Cement Plaster in 1:3 mix with floating coat of neat Cement.	19.61	Sqm	300.00	5883.00
61.00	15mm Cement plaster in 1:6 nominal mix.	92.05	Sqm	278.60	25645.13

Executive Engineer

16	Reyaz Ah
17	Mukhtar

ure 'B' to this Office Allotment Order No. _____ of _____ for WSS Bulbul Nowgam

	Description of Work / Item(s) with technical specifications	No. of Qty	Units	Alloted/ Accepted Rate	Amount
	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo-Mechanically Treated bars of grade Fe 500D or more.	1159.82	Kg	87.18	101113.11
64.00	Dry random rubble masonry with hard stone in foundation and plinth. With bond stone	15.91	Cum	2497.50	39735.23
65.00	Structural steel works welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved metal primer complete	3160.00	Kg	87.000	274920.00
66.00	Random Rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 Cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) upto plinth level and curing complete with Cement mortar 1:6 (1 Cement : 6 coarse sand)	37.76	Cum	3000.000	113280.00
67.00	Providing and laying damp proof Course 50 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and curing complete	24.17	Sqm	410.14	9913.08
68.00	Pointing on stone work with cement mortar in 1:3 mix. (Flush type)	22.95	Sqm	60.000	1377.00
69.00	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in Cement mortar 1:6 (1 cement : 6 coarse sand)	28.58	Cum	7111.31	203241.24
70.00	Extra over Brickwork in super structure upto floor V level	24.44	Cum	600.000	14664.00
71.00	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia and length (hold fast lugs or with dash fasteners shall be paid for separately) First class kail wood	87	Cum	85000.000	73950.00
72.00	Providing and fixing of 35mm thick glazed shutters for doors and windows of Kail wood.	12.55	Sqm	3000.000	37650.00
73.00	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge (Note :-Butt hinges and necessary screws shall be paid separately). 35 mm First class kail wood	4.93	Sqm	3000.000	14790.00
74.00	Providing and fixing of panelling or penelling and glazing in panelled or panelledand glazed shutters for doors and windows , penelling 25mm to 40mm thick of Kail wood.	2.55	Sqm	2360.95	6020.42
75.00	Providing and fixing of 35mm thick wire guage shutters for doors and windows of Kail wood.	8.55	Sqm	3600.000	30780.00
76.00	Providing 50mm thick cement concrete floonng with floating coat of neat cement.	44.63	Sqm	450.000	20083.50
77.00	Providing and fixing 1st quality ceramic glazed tiles with minimum thickness 5mm of approved make like Kajaria, Somany etc. over 12mm thick cement mortar in 1:3 mix.	14.93	Sqm	1200.000	17916.00
78.00	Providing & fixing White vitreous china water closet squatting pan (Indian type)along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge.	1.00	No.	2962.80	2962.80
79.00	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231 with all fittings and fixtures complete.	1.00	No.	1023.05	1023.05
80.00	Providing and fixing salem stainless steel kitched sink. Size 610x510x200mm	1.00	No.	4274.20	4274.20
81.00	Providing and fixing of PVC Waste pipe for sink including PVC waste fitting complete (Felexible 40mm dia = 01 No.	1.00	No.	127.95	127.95
82.00	Providing and fixing of corrogated G.S. Sheets including vertical/curved surfaces with polymer coated J or L hooks (0.50mm thick)	85.77	Sqm	830.50	71231.99
83.00	Providing ridge or hip of width 60cm over all with plain G.S. Sheets fixed with polymer coated J or L hooks (0.50mm thick)	25.38	R.M	500.000	12690.00
84.00	Providing and fixing plained eaves boarding. 2nd class kail wood(250 x 32)	32.20	R.M	693.00	22314.60
85.00	Supply and fixing rolling shutter of approved make made of required size MS lathes interlocked together through their entire length etc. complete with 80x 1.25 mm M/S Laths with 1.25 mm thick top cover.	5.56	Sqm	3238.00	18003.28
86.00	Providing and applying white cement based putty of approved thickness 1mm of approved brand and manufacture over the plastered surfaces to prepare the surface smooth and even complate.	78.87	Sqm	129.50	10213.67
87.00	Distempering with 1st quality acrylic distemper of approved brand and manufacture including applying additional coats where ever required to achive even shade. (Two Coats)	78.87	Sqm	149.05	11755.57
88.00	Finishing walls with water proofing cement paint of required shade (external) (Snowsum)	62.64	Sqm	90.000	5637.60
89.00	Painting with synthetic enamal paint of approved brand and manufacture of required colour to give even shade two or more coats on new work lincluding priming coat lof approved brand and manufacture.	105.81	Sqm	179.80	19024.64
90.00	Add provision for plumbing, Sanitary, Grills and electricfication to the Quarter (Lumpsum to be paid actual).	1.00	Job	30000.000	30000.00
	Carriage of material from source to dumping site at road by mechnical transport.	17.05	M.T	401.80	6850.69
90.00	a) Cement/ Steel (25 Km)	31.99	Cum	510.000	16314.90
90.01	b) Sand (40 Km)	14.35	Cum	451.97	6485.77
90.02	c) 20 mm Aggregate (25 Km)	6.41	Cum	491.29	3149.17
90.03	d) 40 mm Aggregate (25 Km)	19.95	Cum	242.67	4841.27
90.04	e) Stone Solling (10 Km average)	53.65	Cum	310.000	16631.50
90.05	f) Quarry Stone(20 Km average)	13578.00	No	1.07	14528.46
90.06	g) Bricks (Average 20 Km)				
Total in Figures:				**5076759.273**	
Total in Words: Rupees Fifty Lac, Seventy-Six Thousand, Seven Hundred & Fifty-Nine only.					

Executive Engineer
Jal Shakti (PHE) Mechanical Division
South Awantipora

Executive Engineer

ANNEXURE "A" to this office Allotment Order No: of 03/2023

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:** Subject to the availability of the funds, 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:-
    a) **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.
    b) **15%** of the contract value shall be released on installation of ordered equipment/material in full at site.
    c) **10%** of the Contract Value shall be released after successful testing and commissioning of the entire equipment on full load, commissioning and trial run.
    d) **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.

CIVIL COMPONENT:

Payment shall be released as per work done, as per actual measured work done not less than 30% of the allotted cost on monthly basis (for a completion period of three months)

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 arise, 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 have to maintain at his own cost a suitable site office at the site of work to which the Department send 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:-
    a) Sectional drawing of pumps.
    b) General Arrangement Drawings (GAD)/ layout of the equipment fully dimensioned for pumps, motors, starters, shunt capacitors, panels, delivery manifold, cables etc.
    c) 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…4th …)

Executive Engineer

FORM I

SCHEME WISE LIST OF WORKS OF A ~~PARTICULAR~~ DISTRICT

S No.	Name of Water Supply Scheme	Description of Work	District	Esstt. Cost (In Rs.)	Time of Completion	Accord No. & Date	Technical Sanction No. & Date
1.	Bulbul Nowgam	Electro-Mechanical & Civil Works	Anantnag	55,85,000/-	90 days	CE/PHE/DB/JJM/ 238 of 08/2022 Dated: 01/08/2022	15-PHE/MCS of 2022 Dated: 18/08/2022
2.	Chatripora Gasrena	Electro-Mechanical & Civil Works	Kulgam	62,35,000/-	90 days	CE/PHE/DB/JJM/ 236 of 08/2022 Dated: 01/08/2022	16-PHE/MCS of 2022 Dated: 18/08/2022
3.	Grendwan	Electro-Mechanical & Civil Works	Anantnag	72,22,000/-	90 days	61-DB of 2022 Dated: 20/07/2022	13-PHE/MCS of 2022 Dated: 18/08/2022
4.	Nowgam Nard Saskhudan	Electro-Mechanical & Civil Works	Anantnag	67,29,000/-	90 days	59-DB of 2022 Dated: 20/07/2022	14-PHE/MCS of 2022 Dated: 18/08/2022
5.	Safnagri	Electro-Mechanical Works	Shopian	16,56,000/-	45 days	SE/Hyd/Spn/122 Dated: 27/01/2021	20-PHE/MCS of 2022 Dated: 29/08/2022
6.	Sangam Sethar	Electro-Mechanical & Civil Works	Anantnag	96,00,000/-	110 days	CE/PHE/DB/JJM/ 238 of 08/2022 Dated: 01/08/2022	11-PHE/MCS of 2022 Dated: 18/08/2022
7.	Thalnag Mahind	Electro-Mechanical & Civil Works	Anantnag	71,61,000/-	90 days	62-DB of 2022 Dated: 20/07/2022	12-PHE/MCS of 2022 Dated: 18/08/2022

Executive Engineer
Jal Shakti (PHE) Mechanical Division
South Awantipora

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have to be essentially met by them collectively, some by the lead partner, and some by the other partner/s, as briefly described below:

1. **Qualifying factors to be met collectively:**
   (i) Annual turnover;
   (ii) Particular experience for SITC of electromechanical equipment;
   (iii) Construction cash flow for the subject contract;

2. **Qualifying factors for lead partner:**
(i) Annual Turnover;
(ii) Particular experience for SITC of electromechanical equipment;
(iii) Financial capability to meet cash flow requirement of subject contract-not less than of **51 (fifty-one) per cent** of the respective limits prescribed in case of individual bidders shall be accepted; (iv) Adequate sources to meet financial commitments on other contracts; (v) Financial soundness;

3. **Qualifying factors for second partner:**
   Same as for lead partner except that for the factors specified in (2) (iii) above, a lower limit of **26 (twenty-six) per cent** shall be accepted instead of 51 (fifty-one) per cent.

4. **Qualifying factors for another partner:**
   Shall have a minimum experience of his work of expertise.
   However, the overall sum of all shall aggregate to 100% of the prescribed experience/turn over clause of NIT.

Executive Engineer,
PHE Mechanical Division South
Awantipora

financier to meet the qualification criteria as detailed in cover 1st of this document. However, the joint venture cannot have more than three members.

As the works advertised in the instant NIT is of SITC of electro-mechanical equipments and construction of pump house/panel room/operator, thus definition of similar work has been fixed as

"SITC of pumping units (horizontal, vertical, submersible, open well) with allied electro-mechanical equipment's like Electric Switch gears, starters, control valves etc., equal to or greater than 80% of advertised equipment (pumping equipment), execution of hydro electric projects, transmission lines, Creation of an electric sub-station and erection of 11KV/33KV feeder line, providing, laying, welding, testing and commissioning of an MS/GMS Rising main with control valves etc"

For contracts under which the applicant participated as joint venture member, only the applicants share by value shall be considered to meet the above requirement.

For arriving at the cost of similar work, the value of work executed shall be brought to current costing level by enhancing the actual value of work at simple rate of 07% per annum, calculated from the date of completion to the date of bid opening. For a period less than a year but more than six months weightage/escalation for a full year shall be loaded. Similarly, for a period less than six month, no weightage shall be given.

7. Average Annual financial turnover during any three financial years out of the last 05 years, ending 31st March of previous financial year, issued by a registered Chartered Accountant under his seal and signature shall be minimum 30% of the advertised cost.
8. Scanned copy of list of works completed for the last 05 financial years along with the details of Allotment/work order with date of start of work and completion duly self-attested by the authorised signatory of firm. The performance and completion certificate of these works shall be issued by an officer of rank of Executive Engineer or above.
9. Scanned copy of list of on-going works (works in hand) to be completed along with the details of Allotment/work order with date of start of work and current physical status duly self-attested by the authorised signatory of firm.
10. Scanned copy of Joint Venture Agreement shall have to be necessarily got notarised. However, at the time of award of contract the same shall be attested by 1st class judicial magistrate.

Pre-qualification of JV: -

JV members will be "jointly and severally responsible and liable" in a contract. For pre-qualification, the JV should fulfill the criteria specified in the pre-qualification document. The attributes to be evaluated will be the same as for individual bidders; however, certain parameters up to the specified limits

APPENDIX 'A'

PRE-QUALIFICATION AND TECHNICAL BID (Cover 1st)

The cover 1st of the tender document shall consist of pre-qualification criteria, general terms and conditions and technical specifications of the tendered work. The PQC shall consist of SITC of Electro-mechanical equipments.

1. Registration Certificate

- Scanned copy of Registration Certificate of Workshop/SSI Unit/MSME or Electro-Mechanical works issued by Competent Authority or Valid Electrical/Mechanical License. (For Electro-mechanical works)

2. Scanned copy of processing fee of Rs 500/= in the shape of Treasury Receipt/e-transfer (Screen shot of transaction) in favor of Executive Engineer, Jal Shakti (PHE) Mechanical Division South Awantipora (Major Head: 0215-PHE)
3. Scanned copy of Earnest Money Deposit (EMD) @ 02% of the Advertised Cost of each work in the shape of CDR/FDR/BG pledged to Executive Engineer, Jal Shakti (PHE) Mechanical Division South Awantipora.
4. Scanned copy of the latest Income tax return certificate.
5. Scanned copy GST Registration & GST return in FORM GST-3B of the last quarter.
6. Scanned copy of experience certificate of having successfully completed or substantially completed similar works during last **seven** years ending last day of the month, previous to the one in which tenders are invited.

- Three similar completed or substantially completed works each of value not less than 40% of the estimated cost, with capacity equal to 80% or higher of the Advertised equipment (Pumping Equipment).

(Or)

- Two similar completed or substantially completed works each of value not less than 50% of the estimated cost, with capacity equal to 80% or higher of the Advertised equipment (Pumping Equipment).

(Or)

- One similar completed or substantially completed work of value not less than 80% of the estimated cost, with capacity equal to 80% or higher of the Advertised equipment (Pumping Equipment).

The substantial completion shall be based on **80%** (value wise) or more works completed under the contract. The experience certificate (satisfactory performance certificate of works executed) shall have been issued by an officer of the rank not below an Executive Engineer of any Government Department/Semi Government/PSU's. In case the experience criteria are not met by the bidder/s on their own, they are free to enter into a Joint Venture between themselves or a consortium agreement between the firm and a

General Instructions to Bidders Regarding e-tendering Process

a. The interested bidder can download the NIT/bidding document from the website ***www.jktenders.gov.in.***

b. To participate in bidding process, bidders have to get (DSC) "Digital Signature Certificate" as per Information Technology Act-2000, to participate in online bidding. This certificate will be required for digitally signing the bid. Bidders can get above mentioned digital certificate from any approved vendor.

c. The bidders have to submit their bids online in electronic format with Digital Signature. The bids cannot be uploaded without Digital Signature. No Proposal will be accepted in physical form.

d. Before submission of online bids, bidders must ensure that scanned copies of all the necessary documents have been attached with the bid.

e. The department will not be responsible for delay in online submission of bids. All the required information for bid must be filled and submitted online, well before the last date and time of submission.

f. Bidders should get ready with the scanned copies of cost of documents & EMD as specified in the tender documents the original instruments in respect of cost of documents, EMD and relevant documents be submitted to the Tender Inviting Authority by Speed/Registered post/courier as per time schedule specified.

g. The details of cost of documents, EMD specified in the tender documents should be the same, as submitted online (scanned copies) otherwise bid will not be accepted.

h. Bidders can contact the undersigned for any guidance for getting DSC or any other relevant details in respect of e-tendering process.

i. Bidders are advised to use **"My Documents"** area in their user on jktenders.gov.in, e-tendering portal to store important documents like Experience certificate, Balance sheet, Certificate regarding taxes and TIN, and other related documents etc., and attach these certificates as Non-Statutory documents while submitting their bids.

j. Bidders are advised not to make any change in BOQ (Bill of Quantities) contents or its name. In no case they should attempt to create similar BOQ manually. The BOQ downloaded should be used for filling the net item rate inclusive of all taxes and it should be saved with the same as it contains.

k. The guidelines for submission of bid online can be downloaded from the website ***www.jktenders.gov.in.***

8. Director Planning Jal Shakti (PHE) Department, Civil Secretariat, Jammu for information please.
9. Technical Advisor Kashmir Jal Jeevan Mission for information.
10. Superintending Engineer, Jal Shakti, Hydraulic Circle _____ for information.
11. Superintending Engineer, Jal Shakti, PHE Mech. Circle (South), Srinagar for information.
12. Joint Director Information Department, Srinagar for information. He is requested to get the e-NIT published in two leading local dailies preferably Greater Kashmir & Urdu daily for Kashmir province and one National Daily before its due date.
13. Executive Engineer (JSD) PHE Division, _____ for information.

1. Bid documents can be accessed and downloaded from the website ***www.jktenders.gov.in***
2. The pre-bid meeting will be held in the office chamber of the Executive Engineer, Jal Shakti (PHE) Mechanical Division South Awantipora.
3. The whole bidding process shall be completed online on tender portal ***www.jktenders.gov.in***. The intending bidders can download the bid document from the tender portal and can submit their bids by uploading them on the tender portal.
4. The bids received shall be opened online in the office of the Executive Engineer, Jal Shakti (PHE) Mechanical Division South Awantipora.

a. Bids must be accompanied by bid security and cost of Tender Document as specified against each item of work.

b. **Bid Security** to be pledged in favour of Executive Engineer, Jal Shakti (PHE) Mechanical Division South Awantipora. **Bid Security** will have to be in form of CDR/FDR/BG of any scheduled Bank and shall be valid for a period of 90 days from the last date of submission of bid.

c. The cost of tender documents should be in form of TR/e challan in favour of Executive Engineer, Jal Shakti (PHE) Mechanical Division South Awantipora.

5. The hard copies of cost of tender document in shape of DD/TR/e-challan, Earnest money in shape of CDR/FDR/BG and other relevant documents shall be obtained from the bidder who is declared as L1 after opening of financial cover.
6. The bid shall remain valid for a period of **90 days** from the last date of submission of bids. If any bidder/tenderer withdraws his bid/tender before the said period or makes any modifications in the terms and conditions of the bid, the said earnest money shall stand forfeited and the bid shall be declared non-responsive.
7. Other details can be seen in the bidding documents from the website ***www.jktenders.gov.in.***
8. Queries by email if any should be made at ***phemechsouth@gmail.com.***

No: JSD/MDSA/2225-43
Dated: 03/09/2022

Executive Engineer,
PHE Mechanical Division,
South Awantipora.

Copy to the: -

1. Commissioner Secretary, Jal Shakti (PHE/I&FC) Department, Civil Secretariat, J&K for information please.
2. Development Commissioner works, Civil Secretariat, J&K for information please.
3. Mission Director, Jal Jeevan Mission Jammu & Kashmir Civil Secretariat for information please.
4. Chief Engineer Jal Shakti (PHE) Department Kashmir, Srinagar for information please.
5. Chief Engineer, Designs Inspections & Quality Control Department, J&K for information please.
6. District Development Commissioner _____ for information please.
7. Director Finance Jal Shakti (PHE) Department, Civil Secretariat, J&K for information please.

UNION TERRITORY OF JAMMU AND KASHMIR,
OFFICE OF THE EXECUTIVE ENGINEER JAL SHAKTI (PHE) MECHANICAL DIVISION SOUTH AWANTIPORA

NOTICE INVITING TENDER
e-NIT No. 48 OF 2022-23 Dated: 03-09-2022

For and on behalf of Lt. Governor of UT of J&K, Executive Engineer Jal Shakti (PHE) Mechanical Division South (Awantipora), invites e-tenders from reputed and resourceful Bidders/ Firms/Companies/Joint Ventures/ Consortiums between bidder/firm and Financier **of all classes** registered in JKPWD/CPWD/Railways or any other state Government for "***Supply, Installation, Testing & Commissioning of electro-mechanical equipments and construction of pump house/panel room/ operator room at various water supply schemes of Jal Shakti (PHE) Mechanical Division South Awantipora".*** The bidding process shall be completed online on www.jktenders.gov.in in two covers viz. **Cover 1st** consisting of Pre-Qualification Criteria, General Terms and Conditions and Technical Specifications and **Cover 2nd** shall consist of Financial Bid on item rate basis, in the prescribed BOQ.

Sr No	***Particulars of the work***	***Esttd. Cost (Lacs)***	***Tender fee (in Rs)***	***Earnest money Deposit***	***Bid Validity***	***Time of Completion of work***
1	2	3	4	5	6	7
1.	*Supply, installation, testing and commissioning of electro-mechanical equipments at various water supply schemes of Jal Shakti (PHE) Mechanical Division South Awantipora.*	*Work/Scheme wise details given in Form-I of Tender Document*	*Rs. 500/- for each work*	*02% of the estimated cost of each work*	*90 days*	*As indicate against each item in Form-I of Tender Document*

Position of funds: Approved Under Jal Jeevan Mission (JJM)

The tender inviting authority is Executive Engineer, Jal Shakti (PHE) Mechanical Division South Awantipora.

The awarding authority is District Jal Jeevan Mission (DJJM).

Critical Dates:

I	Publish Date	**03-09-2022 (04:00 pm)**
II	Document Download/sale start Date	**03-09-2022 (04:00 pm)**
III	Date of Pre-bid meeting	**15-09-2022 (11:00 am)**
IV	Bid submission start date	**03-09-2022 (04:00 pm)**
V	Document Download/sale end Date	**24-09-2022 (04:00 pm)**
VI	Bid submission end date	**24-09-2022 (04:00 pm)**
VII	Date and time of Bid opening	**26-09-2022 (01:00 pm)**