

Tender Inviting Authority: Staff Officer (Civil) Argada Area

Name of the Work / Contract No: WORKS AND SERVICES:- Construction of four number of solar based deep bore well with Jalminar at different locations under GM Unit, Argada Area." (e-tender 12 of 24-25)

| Category of Services (To Be Selected by Department) | | Category of Bidder (To Be Selected by Bidder) | To Be Entered by Department | | | |
|---|----------------|---|-----------------------------|-------------------|-----------------------------------|---|
| ITC Not Available | Works Contract | Bidder's Status (Mandatory) | Rate of GST (in %) | Total GST(in Rs.) | GST to be Paid By Bidder (in Rs.) | GST to be Paid By CIL/Subsidiary (in Rs.) |
| Name of the Bidder/ Bidding Firm / Company : | | Select | 18 | 0.00 | 0.00 | 0.00 |

PRICE SCHEDULE
 (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

| NUMBER # | TEXT # | NUMBER # | TEXT # | NUMBER | NUMBER # | NUMBER # | TEXT # |
|----------|--|----------|--------|-------------------------|--|-------------------------------------|-----------------------|
| Sl. No. | Item Description | Quantity | Units | Estimated Rate in Rs. P | BASIC RATE In Figures To be entered by the Bidder in Rs. P | TOTAL AMOUNT Without Taxes in Rs. P | TOTAL AMOUNT In Words |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | PART-A (SOLAR PUMPING SYSTEM) Proiding and fixingt solar power operated 3 HP Submersible pump AC 3 Phase input (ISI)including 3 solar controller , PV array mono/crystalline cells 3000 watts peak minimum ak Vmodule)mounting structure and tracking system, electronics and ,MCB,Array junction box ,on off switch , interconnection cable ,complete asper MNRE approved technical specifications and direction of Engineer-in-Charge . | 4.00 | No | 0.00 | | 0.00 | INR Zero Only |
| 2 | Supplying, Flat flexible submersible cable with, copper conductor, PVC insulated, and PVC sheathed . 3 core 4 sq mm. | 600.00 | M | 0.00 | | 0.00 | INR Zero Only |
| 3 | Part- B (Boring) Hydrological Survey for identification of aquifer layer | 4.00 | No | 0.00 | | 0.00 | INR Zero Only |
| 4 | HYDT:Cost of drilling 225mmX165mmX125meter deep bore well in all kinds of soil and rock in rural area for installation of pump set with Hydraulic DTH Rig area for installation of pump set with Hydraulic DTH rig machine, all complete including supplying all materials tools, drilling rig, Air compressor and equipments, as well as fuel, lubricants and cost of transportation of rig machine and other vehicle up to the site. (a) from 0-50 meter | 200.00 | Mtr | 0.00 | | 0.00 | INR Zero Only |

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| 5 | HYDT: Cost of drilling 225mmX165mmX125meter deep bore well in all kinds of soil and rock in rural area for installation of pump set with Hydraulic DTH Rig area for installation of pump set with Hydraulic DTH rig machine, all complete including supplying all materials tools, drilling rig, Air compressor and equipments, as well as fuel, lubricants and cost of transportation of rig machine and other vehicle up to the site.(b) 51.00M to 125.00M. | 300.00 | Mtr | 0.00 | | 0.00 | INR Zero Only |
| 6 | HYDT: Cost of drilling 225mmX165mmX125meter deep bore well in all kinds of soil and rock in rural area for installation of pump set with Hydraulic DTH Rig area for installation of pump set with Hydraulic DTH rig machine, all complete including supplying all materials tools, drilling rig, Air compressor and equipments, as well as fuel, lubricants and cost of transportation of rig machine and other vehicle up to the site.(c) 126.00M to250.00M | 400.00 | Mtr | 0.00 | | 0.00 | INR Zero Only |
| 7 | Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/ plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make, including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge. 200 mm nominal size dia aving minimum wall thickness 5.40 mm DSR 24.10.3 | 120.00 | Mtr | 0.00 | | 0.00 | INR Zero Only |
| 8 | Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of: 23.13.3 200 mm dia | 4.00 | No | 0.00 | | 0.00 | INR Zero Only |
| 9 | Supplying of Chlorinated polyuvynyl Choride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threated fittings. 50 mm nominal outer dia. Pipes | 440.00 | Mtr | 0.00 | | 0.00 | INR Zero Only |
| 10 | Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.23.14.3 200 mm clamp | 4.00 | No | 0.00 | | 0.00 | INR Zero Only |
| 11 | Labour charged for lowering of 100m PVC pipe, submersible motor, pump, cable adopter etc. with testing of electric, helper etc all complete job. | 4.00 | Job | 0.00 | | 0.00 | INR Zero Only |
| 12 | Supply of Plastic rope of dia. 20mm. | 500.00 | M | 0.00 | | 0.00 | INR Zero Only |
| 13 | PART-C (ROOM) Earth work in Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains not exceeding 1.5 m in width or 10 sqm on plan including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed within a lead of 50m. (DSR14-2.8.1) | 29.08 | Cum | 0.00 | | 0.00 | INR Zero Only |
| 14 | Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.(DSR14-2.27) | 4.48 | Cum | 0.00 | | 0.00 | INR Zero Only |

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| 15 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 4.1.5 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) | 6.28 | M3 | 0.00 | | 0.00 | INR Zero Only |
| 16 | Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level 5.1.2 1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) | 10.40 | Cum | 0.00 | | 0.00 | INR Zero Only |
| 17 | Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. up to floor five level excluding cost of centering, shuttering 5.2.2 1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) | 3.00 | Cum | 0.00 | | 0.00 | INR Zero Only |
| 18 | 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 up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)(DSR14-5.3 DR) | 10.56 | Cum | 0.00 | | 0.00 | INR Zero Only |
| 19 | Brick work with F.P.S bricks of class designation 50 in foundation and plinth in :6.1.2Cement mortar 1:6 (1 cement : 6 coarse sand) | 13.68 | Cum | 0.00 | | 0.00 | INR Zero Only |
| 20 | Brick work with F.P.S bricks of class designation 50 in superstructure above plinth level upto floor level in all shapes and sizes in : 6.4.2 Cement mortar 1:6 (1 cement : 6 coarse sand) | 32.44 | Cum | 0.00 | | 0.00 | INR Zero Only |
| 21 | Centering and shuttering including strutting, propping etc. and removal of form for removal of form for: 5.9.1 Foundations,; footings, bases of columns etc. for mass concrete. | 82.72 | Sqm | 0.00 | | 0.00 | INR Zero Only |
| 22 | Centering and shuttering including strutting, propping etc. and removal of form for removal of form for: 5.9.3 Suspended floors, roofs, landings, balconies and access platform. | 51.40 | Sqm | 0.00 | | 0.00 | INR Zero Only |
| 23 | Centering and shuttering including strutting, propping etc. and removal of form for removal of form for 5.9.5 Lintels, beams, plinth beams, girders, bressumers and cantilevers. | 52.00 | Sqm | 0.00 | | 0.00 | INR Zero Only |
| 24 | Centering and shuttering including strutting, propping etc. and removal of form f: or removal of form for 5.9.19 Weather shade, Chajjas, corbels etc., including edges | 8.64 | Sqm | 0.00 | | 0.00 | INR Zero Only |
| 25 | Centering and shuttering including strutting, propping etc. and removal of form for removal of form for :5.9.6 Columns, Pillars, Piers, Abutments, Posts and Struts | 36.00 | Sqm | 0.00 | | 0.00 | INR Zero Only |

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| 26 | 12 mm cement plaster of mix :13.1.2 1:6 (1 cement : 6 fine sand) | 312.96 | Sqm | 0.00 | | 0.00 | INR Zero Only |
| 27 | 6 mm cement plaster of mix : 13.16.1 1:3 (1 cement : 3 fine sand) | 80.20 | Sqm | 0.00 | | 0.00 | INR Zero Only |
| 28 | Providing and fixing of M.S fan clamp type 1 or II of 16 mm dia. M.S bar bent to shape with hooked ends in R.C.C slab ,beams during laying including painting the exposed portion of loop ,all as per standard design complete.(DSR14-10.17) | 4.00 | Each | 0.00 | | 0.00 | INR Zero Only |
| 29 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.5.22.6 Thermo-Mechanically Treated bars | 1040.00 | KG | 0.00 | | 0.00 | INR Zero Only |
| 30 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.5.22A.6 Thermo-Mechanically Treated bars | 1356.00 | KG | 0.00 | | 0.00 | INR Zero Only |
| 31 | Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. | 241.64 | Kg | 0.00 | | 0.00 | INR Zero Only |
| 32 | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorptions less than 0.08% and conforming to IS: 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete :11.41.2 Size of Tile 60x60 cm | 36.00 | Sqm | 0.00 | | 0.00 | INR Zero Only |
| 33 | Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.11.46.2 Size of Tile 600x600 mm | 7.20 | Sqm | 0.00 | | 0.00 | INR Zero Only |
| 34 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. | 164.88 | Sqm | 0.00 | | 0.00 | INR Zero Only |
| 35 | Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:13.60.1 Two or more coats on new work. | 164.88 | Sqm | 0.00 | | 0.00 | INR Zero Only |
| 36 | Finishing walls with Acrylic Smooth exterior paint of required shade :13.46.1 New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including base coat of water proofing cement paint applied @2.20KG/10 sqm) | 192.28 | Sqm | 0.00 | | 0.00 | INR Zero Only |

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| 37 | Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3 mm M.S. gusset plates at the junctions and corners,all necessary fittings complete, including applying a priming coat of approved steel primer.10.5.2 Using flats 30x6mm for diagonal braces and central cross piece | 14.96 | Sqm. | 0.00 | | 0.00 | INR Zero Only |
| 38 | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth: consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. (DSR14-2.25) | 24.60 | Cum | 0.00 | | 0.00 | INR Zero Only |
| 39 | Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and panelling to be paid for separately.);Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868. minimum anodic coating of grade AC 15). (DSR14-21.1.1.1) | 29.24 | KG | 0.00 | | 0.00 | INR Zero Only |
| 40 | Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item.) :21.3.1With float glass panes of 4.0 mm thickness | 7.84 | Sqm | 0.00 | | 0.00 | INR Zero Only |
| 41 | For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately.) : Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868. minimum anodic coating of grade AC 15) | 29.40 | Kg | 0.00 | | 0.00 | INR Zero Only |
| 42 | Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing top smooth.(DSR14-4.17) | 28.00 | Sqm | 0.00 | | 0.00 | INR Zero Only |
| 43 | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : 13.61.1Two or more coats on new work | 38.00 | Sqm | 0.00 | | 0.00 | INR Zero Only |

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| | PART- D (SANITARY WORKS) | | | | | 0.00 | INR Zero Only |
| 44 | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil. | 14.36 | Cum. | 0.00 | | | |
| 45 | Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete. | 2.52 | Cum. | 0.00 | | | |
| 46 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 fine sand : 6 graded stone aggregate 40 mm nominal size) | 4.80 | Cum. | 0.00 | | | |
| 47 | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5.0 in foundation and plinth in: 6.1.2 Cement mortar 1:6 (1 cement : 6 coarse sand) | 8.12 | Cum | 0.00 | | | |
| 48 | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5.0 in superstructure above plinth level up to floor V level in all shapes and sizes in :6.4.2 Cement mortar 1:6 (1 cement : 6 coarse sand) | 4.52 | Cum | 0.00 | | | |
| 49 | Cement Plaster (In Fine Sand) 12 mm cement plaster of mix :13.1.2 1:6 (1 cement: 6 fine sand) | 79.00 | Sqm | 0.00 | | | |
| 50 | Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.(DSR-14-11.36) | 36.00 | Sqm | 0.00 | | | |
| 51 | Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc, complete.(DSR-14-11.37) | 24.00 | Sqm | 0.00 | | | |
| 52 | Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.(DSR-14-10.1) | 529.08 | Kg. | 0.00 | | | |

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| 53 | Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : 13.62.1 Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture | 38.40 | Sqm. | 0.00 | | 0.00 | INR Zero Only |
| 54 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.25 mm nominal outer dia Pipes | 120.00 | Mtr. | 0.00 | | 0.00 | INR Zero Only |
| 55 | Providing and fixing brass bib cock of approved quality : 18.15.1 15 mm nominal bore | 16.00 | Nos. | 0.00 | | 0.00 | INR Zero Only |
| 56 | Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 18.17.1 25 mm nominal bore | 8.00 | Nos. | 0.00 | | 0.00 | INR Zero Only |
| 57 | Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. | 12000.00 | Lit. | 0.00 | | 0.00 | INR Zero Only |
| 58 | Lettering with black Japan paint of approved brand and manufacture | 8000.00 | Per letter per cm height | 0.00 | | 0.00 | INR Zero Only |
| 59 | Construction of half brick masonry open surface drain in cement mortar 1 :6 (1 cement : 6 coarse sand) 150mm wide and 200 mm average depth laid over 100 mm thick and 550 mm wide PCC 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) with 40 mm thick cement concrete flooring and 12mm thick cement plaster 1:4 (1 cement : 4 fine sand) with neat cement punning on exposed surface of drain including earth work , all complete as per specification and direction of EIC. | 60.00 | M | 0.00 | | 0.00 | INR Zero Only |
| 60 | Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. 19.32.1 With common burnt clay F.P.S. (non modular) bricks of class designation | 4.00 | Nos. | 0.00 | | 0.00 | INR Zero Only |
| 61 | Total impact of GST for the purpose of CTC | 1.000 | Nos | | 0.00 | 0.00 | INR Zero Only |
| Total in Figures | | | | | | 0.00 | INR Zero Only |
| Quoted Rate in Words | | INR Zero Only | | | | | |