

OFFICE OF EXECUTIVE ENGINEER JSD DIVISION HANDWARA

M/S : Bilal Ahmad Peerzada
 S/o : Kh Manzoor Ahmad Peerzada
 R/o : Drugmulla Kupwara
 Regd No : CE/I&FC/Sgr/03(Three)AAY/(Civil & Sanitary)/2022-23
 GST No. : 01BHAPP1643N1ZH



No. - PHE/Hand/ 937-40 Date:- 19.6.2023

Adv. Cost : - Rs 134.00 Lacs
 Allotted Cost:-Rs.13826557.95/-
 Time of Completion 180 days

Sub : Const. of 0.75 Lac Gallons Capacity RSS GSR, 4 No Sluice Value Chambers, Intake Sump cum Pump House, Chowkidar Quarter, R/ Wall, B/ Wall approach Road and Providing Chain Link Fencing for WSS Watayan under JJM

Ref:- Your tender in response to this office E-NIT No.04 /PHE /Hand of S.No. 4 issued under this Office No.281-91 of 24-04-2023.

- District Development Commissioner Kupwara's authorization No. DDCK/Plg/MoM/1125-35 dated. 30-05-2023
- Accord No.CE/PHE/DB/JJM/246 of 08/2022 Dtd. 31-08-2022.
- Technical Sanction Order No.CE/PHE/DB/251 of 08/2022 Dtd. 31-08-2022.

For and on behalf of Governor of Jammu & Kashmir UT State, contract for the above subjected work, is here by fixed with you on the negotiated / following rates, terms and conditions which are reproduced as under.

| Sl.No | Description of Work / Item(s) | No.of Qty | Units | Alloted Rate | Amount |
|-------|---|-----------|-------|--------------|-----------|
| 1 | Earth work in excavation by manual means in trenches for foundations, drains, pipes, cables etc. (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 ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed in All kinds of Soil | | | | |
| 2 | All kinds of Soil | 189.12 | Cum | 436.00 | 82456.32 |
| 3 | Ordinary Rock | 0.01 | Cum | 841.60 | 8.42 |
| 4 | Earth work in bulk excavation by manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 m ² on plan) including disposal of excavated earth lead upto 50 meters and lift upto 1.5 m, as directed by Engineer-in-Charge. All kinds of Soil | 147.00 | Cum | 539.35 | 79284.45 |
| 5 | Earth work in excavation by mechanical means (hydraulic excavator) in trenches for foundations, drains, pipes, cables etc. (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 ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed, within a lead of 50 metres: All kinds of Soil | 345.58 | Cum | 252.05 | 87103.44 |
| 6 | Ordinary Rock | 344.86 | Cum | 470.00 | 162084.20 |

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| 7 | Earth work in bulk excavation by mechanical means (hydraulic excavator) over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 m ² on plan) including disposal of excavated earth lead upto 50 meters and lift upto 1.5 m, as directed by Engineer-in-Charge. in all kinds of Soil In all kinds of Soil | 1233.83 | Cum | 188.75 | 2326 |
| 8 | Ordinary Rock | 0.01 | Cum | 378.35 | 3.78 |
| 9 | Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :Addl 1 lift All kinds of Soil | 706.46 | Cum | 81.65 | 57682.46 |
| 10 | Ordinary Rock | 0.01 | Cum | 146.45 | 1.46 |
| 11 | Providing and laying dry stone soling hand packed tightly including Filling, Spreading, ramming cost of Stone boulders and all leads and lifts complete. | 120.18 | Cum | 1320.00 | 158637.60 |
| 12 | 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 mix (1 Cement: 4 Course Sand : 8 graded crushed stone agg 40mm nominal size) | 57.37 | Cum | 4861.84 | 278923.76 |
| 13 | 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: 1:3:6 mix (1 Cement: 3 Course Sand : 6 graded crushed stone agg 20mm nominal size) | 0.01 | Cum | 5399.02 | 53.99 |
| 14 | 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 Course Sand : 4 graded crushed stone agg 20mm nominal size) | 192.00 | Cum | 6465.20 | 1241318.40 |
| 15 | Providing and laying in position Reinforced 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 Course Sand : 4 graded crushed stone agg 20mm nominal size) | 26.28 | Cum | 6978.68 | 183399.71 |
| 16 | Providing and laying in position Reinforced cement concrete of specified grade including curing but excluding the cost of centring and shuttering. All work upto plinth level with: 1:1.5:3 mix (1 Cement: 3 Course Sand : 3 graded crushed stone agg 20mm nominal size) | 70.19 | Cum | 7801.00 | 547552.19 |

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| 17 | Reinforced cement concrete work in walls (any thickness) including attached pillasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts upto floor five level including curing but excluding cost of centering shuttering, finishing and reinforcement.1:1.5:3 mix. | 112.05 | Cum | 9408.14 | 1054182.09 |
| 18 | Reinforced cement concrete work in Suspended floors , roofs having slope upto 15°, beams etc upto floor five level level including curing but excluding the cost of centering, shuttering finishing and reinforcement with: 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size) | 14.94 | Cum | 9849.35 | 147149.29 |
| 19 | Reinforced cement concrete work in arches, archribs, domes , vaults shells, folded plate and roofs having slope more than 15° upto floor five level level including curing but excluding the cost of centering, shuttering finishing and reinforcement with: 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size) | 10.47 | Cum | 10404.50 | 108935.12 |
| 20 | Extra for R.C.C./B.M.C./R.M.C. work above floor V level for each four floors or part thereof. | 85.15 | Cum | 309.05 | 26315.61 |
| 21 | 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) | 32.44 | Cum | 6802.13 | 220661.10 |
| 22 | Extra for brick work with common burnt clay bricks /cement concrete bricks in superstructure above plinth level upto floor five level | 17.66 | Cum | 1456.02 | 25713.31 |
| 23 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level | 29054.00 | Kg | 87.18 | 2532927.72 |
| 24 | Dry random rubble masonry with hard stone in foundation and plinth:With bond stone. | 18.67 | Sqm | 2497.50 | 46628.33 |
| 25 | Centering and shuttering including strutting, propping etc. and removal of form for:Foundations | 360.40 | Sqm | 262.30 | 94532.92 |
| 26 | Walls | 1271.00 | Sqm | 573.85 | 729363.35 |
| 27 | Beams | 47.50 | Sqm | 502.85 | 23885.38 |
| 28 | Suspended Floors | 126.48 | Sqm | 635.60 | 80390.69 |
| 29 | Columns | 0.01 | Sqm | 680.15 | 6.80 |
| 30 | Domes exceeding 6 Mtr Span | 217.04 | Sqm | 3095.25 | 671793.06 |
| 31 | Edges of slabs and breaks in floors upto 200mm thick. | 37.60 | Sqm | 242.30 | 9110.48 |

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| 32 | Extra for Centering and shuttering in Circular Foundations | 18.90 | Sqm | 52.46 | |
| 33 | Walls | 292.04 | Sqm | 114.77 | 335 |
| 34 | Beams (Ring Beam of SR) | 38.70 | Sqm | 100.57 | 389 |
| 35 | 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 | 0.83 | Cum | 106894.15 | 88722.14 |
| 36 | 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): KD Wood | 0.96 | Cum | 45000.00 | 43200.00 |
| 37 | 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. Second kail wood 35mm thick | 16.56 | Sqm | 2745.95 | 45472.93 |
| 38 | Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick. First class kail wood. 35mm thick | 1.12 | Cum | 3093.80 | 3465.06 |
| 39 | Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, Windows and Clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick MDF board 12 mm thick Pre-laminated particle board with decorative lamination on both sides. | 0.67 | Sqm | 2501.75 | 1676.17 |
| 40 | Providing and fixing glazed shutters for doors, windows and clerestory windows using 4mm thick float glass panes including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws. Second kail wood 35mm thick. | 5.65 | Sqm | 3338.05 | 18859.98 |

WSS Watayan under JJM

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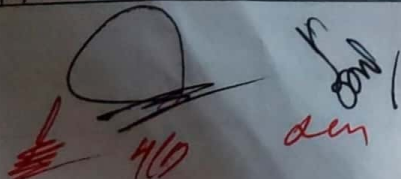
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| 41 | Providing and fixing wire gauze shutters using galvanized M.S. wire gauze of average width for aperture 1.4 mm in both directions with wire of dia. 0.63 mm for doors, windows and clerestory windows with ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws as per direction of Engineer-in-charge Second kail wood 35mm thick | 17.08 | Sqm | 3307.80 | 56497.22 |
| 42 | Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc including priming coat with approved steel primer all complete Fixed to openings / wooden frames with rawl plugs screws etc. | 103.50 | kg | 179.90 | 18619.65 |
| 43 | Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size). | 90.00 | No | 163.05 | 14674.50 |
| 44 | Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete | 10.00 | Cum | 787.40 | 7874.00 |
| 45 | Flooring with marble stone of specified thickness as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement:4 coarse sand) laid and jointed with grey cement slurry including rubbing, polishing and curing complete with: | 10.49 | Cum | 2171.10 | 22774.84 |
| 46 | Cement concrete flooring 1:2:4 (1cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete.50 mm thick with 20mm nominal size stone aggregate | 33.54 | Sqm | 505.00 | 16937.70 |
| 47 | 12mm Cement plaster of mix: 1 : 4 (1 cement : 4 fine sand) | 839.13 | Sqm | 260.05 | 218215.76 |
| 48 | 12 mm thick Cement plaster 1 : 3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement | 0.01 | Sqm | 343.75 | 3.44 |
| 49 | 15mm Cement plaster on the rough side of single or half brick wall of mix 1 : 6 (1 cement : 6 fine sand) | 77.79 | Sqm | 278.60 | 21672.29 |

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

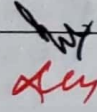
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| 50 | 20mm cement plaster finished with a floating coat of neat cement of mix 1 : 3 (1 cement : 3 fine sand) | 338.94 | Sqm | 451.60 | 15300 |
| 51 | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall 15 mm dia nominal bore. | 18.00 | mtr | 431.10 | 7759.80 |
| 52 | Providing and fixing G.I. pipes complete with G.I. fittings excluding trenching and refilling etc. (external work) | 18.00 | mtr | 163.55 | 2943.90 |
| 53 | Fabricating, Providing and fixing MS Fittings viz Bends , Tees, etc of required degree and size to be fabricated from 6mm nominal size MS Plate including cost of welding. The work should be leak proof and includes to be painted with antioiccorrusive red oxide primer and all carriages upto site of work complete. | 0.01 | Kg | 147.82 | 1.48 |
| 54 | Providing and fixing 200mm dia Sluice Value with Wheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete. | 1.00 | No | 31698.00 | 31698.00 |
| 55 | Providing and fixing 150mm dia Sluice Value with Wheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete. | 1.00 | No | 20243.00 | 20243.00 |
| 56 | Providing and fixing 100mm dia Sluice Value with Wheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete. | 2.00 | No | 13164.00 | 26328.00 |
| 57 | Providing and fixing 80mm dia Sluice Value with Wheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete. | 1.00 | No | 10815.00 | 10815.00 |
| 58 | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc, in layers no exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m | 694.08 | Cum | 198.70 | 137913.70 |
| 59 | Providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (1 kg of water proofing material in 50 kg of cement) | 1705.82 | Kg | 57.90 | 98766.98 |
| 60 | Providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers | 3144.00 | kg | 61.50 | 193356.00 |



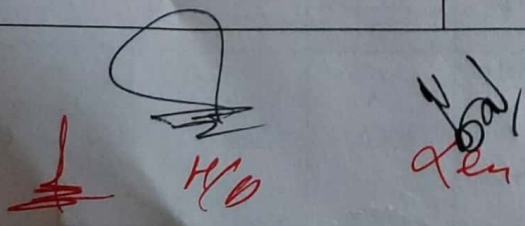
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| 61 | Providing and fixing of PVC soil, waste and vent pipes of reputed make of 100 mm dia include earthwork, refilling etc. As per Engineer-in-charge | 9.00 | mtr | 300.00 | 2700.00 |
| 62 | Providing and fixing of PVC soil, waste and vent pipes of reputed make of 75 mm dia include earthwork, refilling etc. As per Engineer-in-charge | 6.00 | mtr | 275.00 | 1650.00 |
| 63 | Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength confirming to IS:4454 part-1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover | 3.90 | Sqm | 3238.20 | 12628.98 |
| 64 | Providing and fixing ball bearing for rolling shutters. | 10.00 | No | 483.10 | 4831.00 |
| 65 | 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. | 7242.46 | Kg | 91.03 | 659281.13 |
| 66 | Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete. | 0.01 | kg | 114.68 | 1.15 |
| 67 | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel as required in gratings, frames, guard bars, ladder, railings, brackets, gates and similar works. | 500.00 | Kg | 146.63 | 73315.00 |
| 68 | Structural Steel Work in built up sections in trusses, and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. (Riveted and bolted) | 0.01 | Kg | 105.76 | 1.06 |

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| 69 | Structural Steel Work in built up sections in trusses, and framed work, including cutting, hoisting, fixing in position and applying a priming coat coat of approved steel primer all complete. (Welded) | 0.01 | Kg | 102.13 | |
| 70 | Providing and fixing G.I. Chain Link fabric fencing of required width in mesh size 50 x 50mm including strengthening with 2mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer - In- Charge made of G.I. Wire of dia 4mm. | 364.00 | Sqm | 806.85 | 293693.40 |
| 71 | Providing hoisting and fixing trusses/purlins /rafters/posts/ post-plates or like components including cost of screws etc. complete First class Budloo wood. | 4.01 | Cum | 138685.40 | 556128.45 |
| 72 | Providing hoisting and fixing trusses/purlins /rafters/posts/ post-plates or like components including cost of screws etc. complete First class Budloo wood. | 3.46 | Cum | 30000.00 | 103800.00 |
| 73 | Providing corrugated G. S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (upto any pitch in horizontal/vertical or curved surface) excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required 0.63 mm thick with zinc coating not less than 275 gram/m ² | 196.08 | Sqm | 1046.98 | 205291.84 |
| 74 | Providing ridges or hips of width 60cm overall width plain G.S. sheets fixed with polymer coated J, or L hooks, bolts and nuts 8mm dia G.I. limpet and bitumen washers complete. | 48.17 | RM | 760.49 | 36632.80 |
| 75 | Providing and fixing 15cm wide 45 cm overall semi circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc. including making necessary connections with rain water pipes complete. 0.80 mm thick with zinc coating not less than 275 gram/m ² | 0.01 | RM | 688.77 | 6.89 |
| 76 | Providing and fixing plained eaves boarding. 2nd class kail wood 250x32 mm (nominal size) | 0.01 | RM | 693.90 | 6.94 |
| 77 | Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position : Budloo / Fir wood | 0.01 | Cum | 60102.80 | 601.03 |

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| 78 | Providing and fixing 20mm thick wooden planks ceiling (frame work for base to be paid for separately) with M.S. screws. 2nd class kail wood | 0.01 | Sqm | 1712.85 | 17.13 |
| 79 | Providing and applying white cement based putty of specified thickness, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. 2 mm thick | 112.11 | Sqm | 172.40 | 19327.76 |
| 80 | Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade on New work (two or more coats) over and including priming coat with water thinnable cement primer | 225.31 | Sqm | 149.05 | 33582.46 |
| 81 | Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface. | 66.63 | Sqm | 59.35 | 3954.49 |
| 82 | Applying priming coat: With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood) | 56.38 | Sqm | 59.50 | 3354.61 |
| 83 | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new work. | 66.00 | Sqm | 121.95 | 8048.70 |
| 84 | Applying priming coat With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works | 364.00 | Sqm | 52.75 | 19201.00 |
| 85 | Painting steel work with deluxe multi surface paint of required shade to give an even shade. Two or more coats applied @ 0.90litre/10sqm over an under coat of primer applied @ 0.80litre/10sqm of approved brand and manufacture | 0.01 | Sqm | 125.60 | 1.26 |
| 86 | Providing fabricating and fixing sign board on PGI sheet with angle iron frame/ legs incl. painting/writing etc including fixing over entrance gates, cost of fixing at SR site / Filt. Plant site as per direction of Engineer incharge complete job. | 10.00 | Sqm | 3000.00 | 30000.00 |
| 87 | Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc complete On steel work | 364.00 | Sqm | 188.80 | 68723.20 |
| 88 | Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm) | 226.17 | Sqm | 91.80 | 20762.41 |

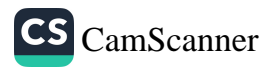
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| 89 | Providing and fixing aluminum sliding door bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :300x16 mm | 2.00 | No | 292.80 | 585.60 |
| 90 | Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodized (anodic coating not less than grade AC 10 as per IS : 1868) aluminum lever handles of approved quality with necessary screws etc. complete | 4.00 | No | 1839.60 | 7358.40 |
| 91 | Providing and fixing aluminum hanging floor door stopper, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete Single rubber stopper | 4.00 | No | 54.60 | 218.40 |
| 92 | Providing and fixing aluminum tower bolts ISI marked anodized (anodiccoating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete : 150 x 10mm | 16.00 | No | 80.35 | 1285.60 |
| 93 | 100 x 10mm | 84.00 | No | 57.35 | 4817.40 |
| 94 | Providing and fixing aluminum handles ISI marked anodized (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade with necessary screws etc. complete. 125mm | 12.00 | No | 66.35 | 796.20 |
| 95 | 100mm | 40.00 | No | 52.30 | 2092.00 |
| 96 | Providing and fixing Ist 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 @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete | 19.61 | Sqm | 1161.05 | 22768.19 |



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| 97 | Providing and fixing Polyethylene- Aluminum- Polyethylene (PE-AL-PE) Composite Pressure Pipes conforming to IS: 15450, U.V. stabilized with carbon black having thermal stability for hot and cold water supply, capable to withstand temperature upto 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. Elbows, tees, reducers, couplers and connectors etc. This includes testing of joints complete as per direction of the Engineer-in-charge: Internal work-exposed on wall with clamps at 1.00 meter spacing 1620 (20mm OD) pipe | 18.00 | RM | 321.15 | 5780.70 |
| 98 | 2025 (25mm OD) pipe | 18.00 | RM | 385.85 | 6945.30 |
| 99 | Providing and fixing PPR Unions PPR Union 20mm | 5.00 | No | 259.70 | 1298.50 |
| 100 | PPR Union 25mm | 5.00 | No | 309.20 | 1546.00 |
| 101 | Providing and fixing water closet Squatting Pan (Indian Type WC Pan) with 100mm sand cast iron P or S Trap, 10 ltr capacity Low Level White PVC Flushing Cistern including flush pipe of approved make with manually controlled device (Handle lever) confirming to IS: 7231 with all fittings and fixtures complete including cutting and making good the walls and floors wherever required. White vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests. | 1.00 | No | 5534.85 | 5534.85 |
| 102 | Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per I.S. 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board 610x510mm bowl depth 200mm | 1.00 | No | 4575.20 | 4575.20 |
| 103 | Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C waste fittings complete: Semi rigid pipe 32 mm dia | 1.00 | No | 131.15 | 131.15 |
| 104 | Providing and fixing 15 mm nominal bore C.P. brass bib cock of approved quality conforming to IS : 8931 | 3.00 | No | 436.50 | 1309.50 |
| 105 | Providing and fixing 15 mm nominal bore C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. | 4.00 | No | 624.65 | 2498.60 |
| 106 | Providing and fixing 15 mm nominal bore C.P. stop cock (concealed) of standard design and of approved make conforming to IS : 8931 | 3.00 | No | 657.30 | 1971.90 |

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| 107 | Providing and fixing 15 mm nominal bore C.P. brass angle valve for basin mixer and geyser points of approved make conforming to IS : 8931 | 4.00 | No | 536.10 | 214 |
| 108 | Providing and fixing C.P. Brass extension nipple (size 15mm x 50mm) of approved make and quality as per direction of Engineer-in-charge | 5.00 | No | 62.30 | 311.50 |
| 109 | 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 | 500.00 | Ltr | 11.25 | 5625.00 |
| 110 | Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete 15mm nominal bore. | 1.00 | No | 438.85 | 438.85 |
| 111 | Providing and fixing PTMT soap dish holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106gms. | 2.00 | No | 227.90 | 455.80 |
| 112 | Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1cement :4 coarse sand) , with C.I. surface box 100x100x75 mm (inside) with hinged cover fixed in cement concrete slab 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) including necessary excavation, foundation concrete 1:5:10 (1 cement :5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design. With common burnt clay (non modular) bricks of class designation 7.5 | 0.01 | No | 1908.50 | 19.09 |
| 113 | Providing and fixing C.I manhole Cover 0.45 x 0.45m size | 2.00 | No | 1750.00 | 3500.00 |
| 114 | Providing and fixing PVC Door Fittings complete. | | | | 0.00 |
| 115 | 100mm floor trap | 2.00 | No | 500.00 | 1000.00 |
| 116 | 100mm door junction | 2.00 | No | 350.00 | 700.00 |
| 117 | 100mm Collar | 3.00 | No | 175.00 | 525.00 |
| 118 | 10mm Gasket | 3.00 | No | 200.00 | 600.00 |
| 119 | 100mm bends | 2.00 | No | 250.00 | 500.00 |
| 120 | 80mm Door Junction | 3.00 | No | 300.00 | 900.00 |
| 121 | 80mm floor trap | 2.00 | No | 250.00 | 500.00 |
| 122 | 80mm bend | 2.00 | No | 200.00 | 400.00 |
| 123 | 80mm Collar | 3.00 | No | 150.00 | 450.00 |
| 124 | Floor Grating | 2.00 | No | 250.00 | 500.00 |


| | | | | | |
|-----|--|--------|--------|----------|----------|
| 125 | Providing / laying of PVC conduit with all allied accessories / Specials like bends, collers, joints, saddles JBS, clips of all sizes, tape Rolls including cutting / chasing for all types of surface and as per the requirement at site / Site Engineer. a, 25mm & 2.0/ 1.6mm thick unbreakable | 100.00 | Mtrs | 150.00 | 15000.00 |
| 126 | Providing Lighting points . Using wire of 1-5 sqmm, copper conductor, Multi stranded , 1100 volts, FR, for phase , neutral & earth of 1mm green colour for each point including Testing / Commissioning for all points upto 6 Amp) including Switches, indicators MCB etc etc and including Supply and fixing of LED Bulbs of Superior/ approved quality 12W (220-240V) with frequency 50 Hz .complete | 8.00 | points | 1400.00 | 11200.00 |
| 127 | Providing Heating Points: Upto 16 Amp using 4mm multistranded copper wire, 1100 volt FR to be laid for phase and neutral but 2.5 sqmm cable for earth in green colour to be connected for all the required points/ sources including Switches, indicators, MCB's etc complete | 3.00 | points | 1800.00 | 5400.00 |
| 128 | P/Fitting / Commissioning of Main Switch board for accommodating the MCBs of sizes -HPL/ Standard / SSK make (18"x24") | 1.00 | No | 2000.00 | 2000.00 |
| 129 | Supply and fixing of Hot Water Gyser 50 Ltr Capacity including all accessories incld installation, testing and commissioning complete of Superior/ approved make as per direction of Engineer-In-Charge. | 1.00 | No | 16000.00 | 16000.00 |
| 130 | Preparation of subgrade by excavating earth to an average of 22.5 cm depth, dressing to camber and consolidation with road roller of 8-12 tonne capacity including making good the undulation etc. and disposal of surplus earth upto 50 meters. | 0.01 | Cum | 139.40 | 1.39 |
| 131 | Supplying and stacking at site Graded crushed stone aggregate of size 90 mm to 45 mm | 55.13 | Cum | 492.75 | 27165.31 |
| 132 | 63 mm to 45 mm | 55.13 | Cum | 564.60 | 31126.40 |
| 133 | Supplying and stacking at site Stone screening / Chippings of size 13.2/11.2 mm nominal size (Type A/B) | 21.50 | Cum | 504.40 | 10844.60 |
| 134 | Supplying and stacking at site Maroom | 8.83 | Cum | 528.50 | 4666.66 |


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|-----|---|--------|-----|--------|-----------|
| 135 | Laying water bound macadam sub-base with Stone aggregate and binding material, earth etc. including screening, sorting, spreading to template and consolidation with light power road roller etc. complete (payment for stone aggregate and moorum etc, to be made separately) : | 110.26 | Cum | 574.60 | 63355.00 |
| 136 | Providing and applying tack coat using hot straight run bitumen of grade - VG-10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications. On W.B.M. @ 0.75 Kg/sqm.including all carriage tools, plants etc | 367.50 | sqm | 50.45 | 18540.38 |
| 137 | Providing and laying Bitumen Penetration Macadam with hard stone aggregate of quality, size and grading as specified, with bitumen of suitable penetration grade including required key aggregate as specified, spreading coarse aggregate with the help of self propelled/ tipper tail mounted aggregate spreader and applying bitumen by a pressure distributor and then spreading key aggregate with the help of aggregate spreader complete, including consolidation with road roller of minimum 8 to 10 tonne capacity to achieve specified values of compaction and surface accuracy.For 50 mm compacted thickness using coarse aggregate of size 50-20mm graded @ 0.60 cum per 10 sqm key aggregate of size 12.5 mm graded @ 0.15 cum per 10 sqm. With paving asphalt grade VG-10 @ 50 kg/10sqm including cost and all carriage material involved from source to site complete job as per direction of Engineer-incharge | 350.00 | sqm | 381.80 | 133630.00 |


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|-----|--|---------|-----|--------|--------------------|
| 138 | Providing & laying bitumen mastic wearing course (as per specifications) with industrial bitumen of grade 85/25 conforming to IS : 702, prepared by using mastic cooker & laid to required level and slope, including providing antiskid surface with bitumen pre-coated fine grained hard stone chipping of approved size at the rate of 0.005 cum per 10 sqm & at approximate spacing of 10 cm centre to centre in both directions, pressed into surface protruding 1 mm to 4 mm over mastic surface, including cleaning the surface, removal of debris etc. all complete. (considering bitumen using 10.2% as per MORTH specification) 25mm thick including cost and all carriage material involved from source to site complete job as per direction of Engineer-in-charge | 367.55 | sqm | 618.80 | 227439.94 |
| 139 | Providing and laying seal coat of premixed fine aggregate (passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen of grade VG-10 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface including rolling and finishing with road all complete. | 367.55 | sqm | 78.15 | 28724.03 |
| 140 | Carriage of materials from source to road site of work by Mechanical Transport including loading unloading and stacking complete. | | | | 0.00 |
| 141 | Cement and Steel 7 Km's | 242.40 | MT | 209.88 | 50874.91 |
| 142 | Sand and 20mm crushed aggregate / Screening / Moorum 12 km's | 569.66 | Cum | 305.14 | 173826.05 |
| 143 | Crushed Aggregate 40mm nominal Size 12 Kms | 180.30 | Cum | 331.62 | 59791.09 |
| 144 | Bricks 110 Km's | 7022.00 | No | 3.45 | 24225.90 |
| 145 | Stones From Quarry 8 Km's | 18.67 | Cum | 295.32 | 5513.62 |
| 146 | Carriage of materials from road site upto actual site of work avg 250 Mtrs by Head Load by Manual means including loading unloading and stacking complete. | | | | 0.00 |
| 147 | Cement | 47.37 | MT | 192.91 | 9138.15 |
| 148 | Steel | 13.57 | MT | 414.37 | 5623.00 |
| 149 | Sand and 20mm crushed aggregate | 155.28 | Cum | 392.70 | 60978.46 |
| 150 | Crushed Aggregate 40mm nominal Size | 19.32 | Cum | 424.53 | 8201.92 |
| | Total | | | | 13423842.67 |
| | Add Contractors Tender Appreciation @ 3% on All items | | | | 402715.28 |
| | G. Total | | | | 13826557.95 |

Checked by
Head Draftsman

Executive Engineer
PHE Jal Shakti Division Handwara