

GOVT. OF UT JAMMU & KASHMIR

OFFICE OF EXECUTIVE ENGINEER JSD DIVISION HANDWARA

M/S : New Wani Brothers  
 Prop : Nazir Ahmad Wani  
 S/o : Ab Wahid Wani  
 R/o : Shumnag Kupwara  
 Regd No : 929/AA(CIVIL/SANITARY)CE//KCC/PDC/2009-10  
 GST No. : 01ACBPW3482F2ZR  
 No: - PHE/Hand/ 1465-69 Date:- 01/01/2023



Adv. Cost : - Rs 139.81 Lacs  
 Allotted Cost:-Rs. 14442063.58/-  
 Time of Completion \_\_\_ days

Sub : Construction including Successful Testing and Commissioning of, 0.90 Lac Gallons capacity RCC GSR (01 No), , 03 No Sluice Chambers, Pump House Cum Chowkidar's Quarter, Laboratory Blocks (3 No) R/ Wall, B/ Wall and Approach Road, Providing Chain Link Fencing around Structures for WSS Khanpora under JJM.

Ref:- Your tender in response to this office E-NIT No.08 /PHE /Hand 05/2023 of S.No.13 issued under this Office No.281-91 of 24-04-2023.

2. District Development Commissioner Kupwara's authorization No. DDCK/Plg/MoM/2744-67 dated. 17-07-2023
3. Accord No.CE/PHE/DB/JJM/246 of 08/2022 dtd 31-08-2022
4. Technical Sanction Order No.CE/PHE/DB/232 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:-

SLNo	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	449.23	Cum	436.00	195864.28
2	Earth work in bulk excavation by manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 m2 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 :	110.25	Cum	539.35	59463.34
3	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 m2 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	895.97	Cum	188.75	169114.34
4	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 :	204.32	Cum	252.05	51498.86
5	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :Addll 1 lift All kinds of Soil	328.35	Cum	81.65	26809.78
6	Providing and laying dry stone soling hand packed tightly including Filling, Spreading, ramming cost of Stone boulders and all leads and lifts complete.	200.24	Cum	1320.00	264316.80
7	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)	90.12	Cum	4861.84	438149.02
8	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)	404.81	Cum	6465.20	2617177.61

Khanpora M

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9	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)	14.85	Cum	6978.68	103633.40
10	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)	57.34	Cum	7801.00	447309.34
11	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.	50.69	Cum	9408.14	476898.62
12	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)	32.47	Cum	9849.35	319808.39
13	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)	15.86	Cum	10404.50	165015.37
14	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)	51.21	Cum	6802.13	348337.08
15	Extra for brick work with common burnt clay bricks /cement concrete bricks in superstructure above plinth level upto floor five level	38.79	Cum	1456.02	56479.02
16	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: Raj Nagar plain	10.49	Sqm	2171.10	22774.84
17	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level	20480.00	Kg	87.18	1785446.40
18	Providing and incorporatoing P.G.I sheet strips during lying of concrete walls 0.80mm Thick	19.09	Sqm	800.00	15272.00
19	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)	795.00	Kg	57.90	46030.50
20	Dry random rubble masonry with hard stone in foundation and plinth:With bond stone.	66.37	Sqm	2497.50	165759.08
21	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	24.72	Sqm	372.85	9216.85
22	Pointing on stone work with cement mortar 1 : 3 (1 cement : 3 fine sand) Flush/Ruled Pointing	55.59	Sqm	270.80	15053.77
23	Centering and shuttering including strutting, propping etc. and removal of form for:Foundations	441.65	Sqm	262.30	115844.80
24	Walls	1488.62	Sqm	573.85	854244.59
25	Beams	90.94	Sqm	502.85	45729.18
26	Suspended Floors	117.48	Sqm	635.60	74670.29
27	Columns	10.80	Sqm	680.15	7345.62
28	Domes exceeding 6 Mtr Span	159.75	Sqm	3095.25	494466.19
29	Edges of slabs and breaks in floors upto 200mm thick.	135.45	Sqm	242.30	32819.54

Khanpora M

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30	Extra for Centering and shuttering in Circular Foundations	22.15	Sqm	52.46	1161.99
31	Walls	279.92	Sqm	114.77	32126.42
32	Beams (Ring Beam of SR)	51.46	Sqm	100.57	5175.33
33	Providing and fixing of doors window CSW frames made of KD timber well seasoned free from defects knots wrottn and fixing in position with hold fast lugs etc the frames shall be delivered at site the rates quoted shall be inclusive of all carriage lead lift and taxes	0.96	Cum	49000.00	47040.00
34	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): 2nd class Kail Wood	0.57	Cum	92065.35	52477.25
35	Providing of wood work in frames of tresses incl. ties rafters purlins and fixing with nails and joints using First class Popular wood	3.46	Cum	30000.00	103800.00
36	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	16.24	Sqm	2745.95	44594.23
37	Providing and fixing panelling or panelled and glazed in panelled or panelled nd glazed shutters for doors, Windows and Clerestory windows (Area of pening 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 Decorative ply wood both side decorative veneer (type 1) conforming to IS 1328 BWR type	7.87	Sqm	2360.95	18580.68
38	Float glass panes 4 mm thick glass pane (weighing not less than 10 kg/sqm)	1.20	Sqm	1768.05	2121.66
39	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.	14.27	Sqm	3338.05	47633.97
40	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	11.43	Sqm	3307.80	37808.15
41	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).	68.00	No	163.05	11087.40
42	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete	10.00	Cum	787.40	7874.00
43	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	63.72	Sqm	505.00	32178.60
44	12 mm thick Cement plaster 1 : 3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement	375.88	Sqm	343.75	129208.75
45	12 mm thick Cement plaster 1 : 4 (1 cement : 4 coarse sand)	1012.34	Sqm	260.05	263259.02
46	15mm Cement plaster on the rough side of single or half brick wall of mix: 1 : 6 ( 1 cement : 6 coarse sand)	164.45	Sqm	278.60	45815.77



47	Providing and fixing 150mm dia Sluice Valve with ISI Mark with Wheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete.	2.00	No	20243.00	40486.00
48	Providing and fixing 100mm dia Sluice Valve with with ISI Mar Wheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete.	1.00	No	13164.00	13164.00
49	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	196.34	Cum	198.70	39012.76
50	Providing and fixing PVC pipe bends 80mm dia for air vents.	10.00	No	150.00	1500.00
51	Providing and fixing of ISI marked Standard CI/DI specials, Tees, Bends, Collars etc upto 300mm dia	1.00	qtl	7408.95	7408.95
52	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.	280.00	Kg	146.63	41056.40
53	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. pipes	150.00	Kg	146.63	21994.50
54	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. (Riveted and bolted)	8543.00	Kg	105.76	903507.68
55	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.	546.00	Sqm	806.85	440540.10
56	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angles 40x40x6mm for diagonal braces	8.40	Sqm	4788.25	40221.30
57	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/m2	89.59	Sqm	1046.98	93798.94
58	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
59	Providing and fixing of 0.5mm color GS sheets soffit boarding incl supports etc complete job	20.00	Sqm	900.00	18000.00
60	Providing and fixing plained eaves boarding, 2nd class kail wood 250x32 mm (nominal size )	70.00	RM	693.90	48573.00
61	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
62	Distempering 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	158.85	Sqm	149.05	23676.59



63	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	546.00	Sqm	188.80	103084.80
64	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 in Charge complete job.	10.00	Sqm	3000.00	30000.00
65	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface.	66.63	Sqm	59.35	3954.49
66	Applying priming coat: With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	36.75	Sqm	59.50	2186.63
67	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new work.	71.30	Sqm	121.95	8695.04
68	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	163.02	Sqm	91.80	14965.24
69	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	4.00	No	292.80	1171.20
70	Providing and fixing aluminum haging floor single rubber door stopper (Anodic coating not less than grade AC 10 as per IS 1868	4.00	No	54.60	218.40
71	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 : 200 x 10mm	8.00	No	89.20	713.60
72	100 x 10mm	72.00	No	57.35	4129.20
73	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.	142.50	Kg	179.90	25635.75
74	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.	2.00	No	1839.60	3679.20
75	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	8.00	No	66.35	530.80
76	100mm	36.00	No	52.30	1882.80
77	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 @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete	90.92	Sqm	1161.05	105562.67
78	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturers) of 1st quality conforming to IS: 15622 of approved make, laid on 20 mm thick bed of cement mortar 1: 4 ( 1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete. In colour such as White, Ivory, Grey, Fume Red Brown	19.11	Sqm	1052.75	20118.05



79	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	108.00	RM	321.15	34684.20
80	2025 (25mm OD) pipe	54.00	RM	385.85	20835.90
81	Providing and fixing PPR Unions PPR Union 20mm	15.00	No	259.70	3895.50
82	PPR Union 25mm	15.00	No	309.20	4638.00
83	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) conforming 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.	7.00	No	5534.85	38743.95
84	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
85	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	4.00	No	131.15	524.60
86	Providing and fixing 15 mm nominal bore C.P. brass bib cock of approved quality conforming to IS : 8931	15.00	No	436.50	6547.50
87	Providing and fixing 15mm nominal bore CP Brass close hole Basin Mixer of approved quality and make weighing not less than 1.97 Kg	6.00	No	2702.00	16212.00
88	Providing and fixing 15 mm nominal bore C.P. stop cock (concealed) of standard design and of approved make conforming to IS : 8931	8.00	No	657.30	5258.40
89	Providing and Fixing C.P. Brass long nose bibcock 15 mm nominal bore	10.00	No	430.00	4300.00
90	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	9.00	No	536.10	4824.90
91	Providing and fixing C.P. Brass extension nipple (size 15mm x 50mm) of approved make and quality as per direction of Engineer-incharge	20.00	No	62.30	1246.00
92	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	2000.00	Ltr	11.25	22500.00
93	Providing and fixing of GI pipes complete with GI fitting and clamps incl. cutting and making good the walls etc nominal bore 15mm	18.00	Mtr	431.10	7759.80
94	Providing and fixing G.I. pipes complete with G.I. fittings excluding trenching and refilling etc. (external work) mm dia. nominal bore	18.00	Mtr	163.55	2943.90
95	Providing and fixing C.I manhole Cover 0.45 x 0.45m size	2.00	No	1750.00	3500.00
96	Providing and fixing PVC Soil waste and vent pipe of reputed make incld earth work and refilling. 100mm dia	9.00	RM	1750.00	15750.00
97	75mm dia	6.00	RM	1750.00	10500.00
98	Providing and fixing PVC Door Fittings complete.				0.00
99	100mm floor trap	2.00	No	500.00	1000.00



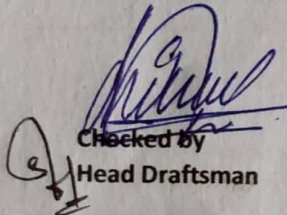
100	100mm door junction	3.00	No	350.00	1050.00
101	100mm Collar	3.00	No	175.00	525.00
102	10mm Gasket	2.00	No	200.00	400.00
103	100mm bends	2.00	No	250.00	500.00
104	80mm Door Junction	3.00	No	300.00	900.00
105	80mm floor trap	2.00	No	250.00	500.00
106	80mm bend	2.00	No	200.00	400.00
107	80mm Collar	3.00	No	150.00	450.00
108	Floor Grating	2.00	No	250.00	500.00
109	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 PVC Conduit pipe of reputed make including chasing of walls and making good the same Testing / Commissioning for all points upto 6 Amp) including Switches, indicators, MCB's and all connected items etc complete	26.00	points	1200.00	31200.00
110	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 ncluding Switches, indicators MCB's including PVC Conduit pipe of reputed make including chasing of walls and making good the same and all connected items etc complete	9.00	points	2000.00	18000.00
111	P/Fitting / Commissioning of Main Switch board for accommodating the MCBs of sizes -HPL/ Standard / SSK make (18"x24")	4.00	No	2500.00	10000.00
112	Supply and fixing of LED Bulbs of Superior/ approved quality 12W (220-240V) with frequency 50 Hz .	26.00	No	300.00	7800.00
113	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.	4.00	No	16000.00	64000.00
114	Supplying and stacking at site Graded crushed stone aggregate of size 90 mm to 45 mm	69.10	Cum	492.75	34049.03
115	63 mm to 45 mm	69.10	Cum	575.30	39753.23
116	Supplying and stacking at site Stone screening / Chippings of size 13.2/11.2 mm nominal size (Type A/B)	26.95	Cum	504.40	13593.58
117	Supplying and stacking mooram at site exclud carriages	11.07	Cum	528.50	5850.50
118	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 mooram etc, to be made separately) :	138.19	Cum	710.85	98232.36
119	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.	460.66	Sqm	55.45	25543.60

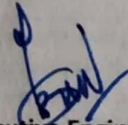
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120	Providing and laying Bitumen Penetration Macadam with hard stone aggregate of quality, size and grading as specified, with bitumen of suitable penetration grade including required key aggregate as specified, spreading coarse aggregate with the 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	460.66	Sqm	381.80	175879.99
121	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	460.66	Sqm	618.80	285056.41
122	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.	460.66	Sqm	78.15	36000.58
123	Carriage of materials from source to road site of work by Mechanical Transport including loading unloading and stacking complete.				0.00
124	Cement and Steel 10 Km's	249.10	MT	249.65	62187.82
125	Sand / Screening / mooram avg lead to 12 km's	339.27	Cum	305.14	103524.85
126	Crushed Aggregate 20mm nominal Size 15 Kms	434.55	Cum	341.57	148429.24
127	Crushed Aggregate 40mm nominal Size and above 15 Kms	209.69	Cum	371.29	77855.80
128	Stone soling upto 18 kms	38.38	Cum	444.68	17066.82
129	Bricks from Bugam 118 kms	24330.00	No	3.67	89291.10
	<b>Total</b>				<b>13980700.46</b>
<b>Add Contractors Tender Appreciation @ 3.30% on All items</b>					<b>461363.12</b>
	<b>G. Total</b>				<b>14442063.58</b>

  
 Checked by  
 Head Draftsman

  
 Executive Engineer  
 PHE Jal Shakti Division Handwara