

Name of work:-

Construction of Shopping Complex at MNIT campus, Jaipur.

G-Schedule

S.No	Qty	Items	Unit	Rate	Amount
1	260	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 taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils	cum	155.00	40300.00
2	100	Filling available excavated earth (excluding rock) in trenches, plinth side of foundation etc. in layers not exceeding 20 cm. in depth, consolidating each deposited layer by ramming and watering including lead up to 50 meter and with all lift.	Cum	56.00	5600.00
3	600	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15cm deep and disposal of rubbish lead up to 50 Mtr. and lift up to 1.5 Mtr.: All kinds of soil	Sqm	7.50	4500.00
4	50	Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyrifos/Lindane emulsifiable concentrate of 20%	litre	211.00	10550.00
5	600	Diluting and injection Chloropyrifos Emulsifiable concentrate 20% with 1% concentration for PRE-CONSTRUCTIONAL Anti termite treatment as per IS 6313 part III as amended from time to time and creating a continuous chemical barrier under and around the column pits, wall trenches, basement excavation, top surface of plinth filling, junction of wall and floor along the external perimeter of building expansion joints, over the top surface of consolidated earth of which aproch is to be laid surrounding of pipes and conduits etc. complete as per specification (Plinth floor area only shall be measured for payment and excluding the cost of chemical emulsion)	sqm	41.00	24600.00
6	150.00	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	Cum	2859.00	428850.00
7	70	Providing and laying in position Ready mix concrete manufactured in fully automatic Batching Plant and transported to site in transit mixer for having continous agitated mixer, manufactured as per approved mix design of specified grade of RCC work including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering and reinforcement with all lead and lift including cost of admixtures in recommended portion as per IS 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer in charge . All works upto floor V floor M20 grade Design Mix by using min 400 Kg of cement per cum of concrete	Cum	5362.00	375340.00
8	200	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with steel props and removal of formwork for upto floor five level for : Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, sills, chhajjas, lintel, beam, plinth beam etc.	Sqm	295.00	59000.00
9	7000	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor five level. <b>('Original producers' who manufacture billet directly from iron ores and roll the billets to produce steel conforming to IS:1786)</b> Thermo-mechanically Treated bars (Conforming of relevent IS code)	Kg	61.00	427000.00
10	160	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in : Cement mortar 1 : 4 (1 cement : 4 coarse sand)	Cum	4724.00	755840.00
11	190	Random Rubble stone masonry for with hard stone in foundation and plinth in Cement Sand mortar above 30 CM thick wall in: Cement Mortar 1:6 ( 1-Cement : 6-Sand).	Cum.	2458.00	467020
12	1700	Plaster on new surface on walls in cement sand mortar 1:6 including racking of joint etc. complete fine finish : 20mm thick.	Sqm	151.00	256700.00
13	350	Extra for providing edge moulding to 15-18mm thick marble/ Granite/Kota stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite/Kota Stone Work <b>Full Edge moulding</b>	Mtr.	212.00	74200.00
14	20	Providing and fixing 1st quality standard white, grey, ivory, fume red brown, light green, light blue and other light shades glazed tiles confirming to IS : 13753 & IS :15622 of size 200mm x 300mm in walls, floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in the white cement mixed with pigment to match the shade of the tile complete (excluding the cost of cement plaster on walls and pillar).	Sqm.	613.00	12260.00
15	5	Providing and fixing 1st quality MAT finished ceramic tile size 300x300mm confirming to IS : 13755 and IS : 15622 colour such as white, grey, ivory, fume red brown, light green, light blue and other light shades in floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in the white cement mixed with pigment to match the shade of the tile complete (including the cost of cement mortar bed 1:4).	Sqm.	680.00	3400.00

16	35	Supplying and fixing rolling shutters of approved make, made of 80 x 1.25mm. 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 cost of spring hooks, providing and fixing necessary 25.3cm. long wire springs grade No. 2 and M.S. top cover 1.25mm thick for rolling shutters as per design & IS 6248- 1979. (Clear openable area to be measured for payment).	Sqm.	1796.00	62860.00
17	14	Providing & fixing ball bearing for rolling shutters	Each	447.00	6258.00
18		Grading roof for water proofing treatment with water proffing compound			
	32.00	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	4075.00	130400.00
19	150	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :	Mtr.	101.00	15150.00
20		Kota stone slab flooring 25 mm thick over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand)			
	225	For area of each slab from 2001 to 5000 Sq.Cm	Sqm	886.00	199350.00
21		Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete			
	30	For area of each slab from 2001 to 5000 Sqcm	Sqm	868.00	26040.00
22	293	Providing and fixing designer cement concrete polished tiles over 20mm average thick base of CM 1 :4 (1 Cement : 4 sand) jointing with cement mortar 1 :2 ( 1cement : 2 sand) with pigment to match the shade of the tiles complete with all respect. ( as per IS 1237:2012)	Sqm	1122.00	328746.00
23	225	6 mm thick cement plaster to ceiling of mix 1:3 (1cement : 3-fine sand)	Sqm.	111.00	24975.00
24	53.00	Making of drip course (Tapka) in cement sand mortar 1:6 width upto 40 mm and 10 mm thick as per approved design	Rm	10.00	530.00
25	225	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 Itr/sq.mt. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D-5147. The laying of membrane shall be got done through the authorized applicator of the manufacturer of membrane. 3 mm thick	Sqm.	443.00	99675.00
26	50.00	<b>Providing and Fixing Chiken wire mesh at the joint of masonry members/ R.C.C. Members with Nails complete in all respect.</b>	Sqm	70.00	3500.00
27	400.00	CARRIAGE OF Earth, Sand, Lime, Morrum manure or sludge MATERIALS including Loading and unloading ,stacking if required for all leads.	Cum	92.00	36800.00
28	10	Providing and fixing up to floor five level pre cast cement concrete string or lacing courses, copings, bed plates, anchor blocks, windows sills, shelves, louvers steps, staircases, etc. including carriage, hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centering, shuttering and finishing smooth with 6 mm thick cement plaster 1:3 (1 cement : 3 fine sand) on exposed surface, including all T & P, curing etc. complete: M15 grade Nominal Mix 1: 2: 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	Cum	6050.00	60500.00
29	50.00	Rough Chisel dressed Sand stone 35 mm thick flooring of approved shade set over 20mm thick base of cement mortar 1:6 (1 cement : 6 coarse sand) and pointing with cement sand mortar 1:3 with pigment to match the shade of stone with joint thickness up to 15 mm complete in all respects : Red sand stone (Karauli stone)	Sqm	537.00	26850.00
30	20	Providing and fixing external grade board solid core single leaf flush door shutters ISI 2202-67 marked using Phenol formal dehyderesin in glue both sides with approved steel fittings complete as per annexure 'A' : 30 mm thick . Commercial Veneer both side	Sqm	1595.00	31900.00
31	20	Providing and fixing pressed steel door frames confirming to IS 4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface including filling with CC 1:2:4(M15 grade) complete as directed by Engineer-in-charge : Profile B	Mtr.	372.00	7440.00
32	1900	Providing and applying white cement based putty over plastered surface to prepare the surface even and smooth complete New Plastered Surface (three or more coats)	Sqm	73.00	138700.00
33		Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade including all scaffolding:			

	1500	Two or more coats on new work including preparation of base with primer, putty, lippy etc complete in all respect.	Sqm	70.00	105000.00
34		Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :			
	200.00	Two or more coats on new work	Sqm	60.00	12000.00
35		Finishing walls with textured exterior paint of required shade as per approved colour complete as per manufacturers specifications including primer coat and protecting coat <b>including scaffolding and safety provision</b>	Sqm		
	800.00	Roller Finish av. thickness 400 to 500 microns.	Sqm	148.00	118400
36		Applying priming coat :			
	70.00	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	Sqm	20.00	1400.00
37		P & F <i>Indian type</i> white glazed vitreous china 1 <sup>st</sup> quality W.C. orissa pan (IS :2556 Mark) with 100 mm vitreous china P or S trap including cutting and making good the wall and floor:			
	1	Size 530x410mm.	Each	1945.00	1945.00
38	1	P & F European type white glazed vitreous china 1 <sup>st</sup> quality W.C pan (IS : 2556 Mark) with P or S trap including cutting and making good the wall and floor	Each	1601.00	1601.00
39		P & F <i>Low level Flushing Cistern</i> of 10 litres capacity (IS : 2556mark). Of approved make with complete fittings C.I. brackets duly painted, brass ball cock with ball, (IS: 1703 mark) complete including cutting and making good the wall:			
	2	PVC with PVC bend and superior internal fittings	Each	1246.00	2492.00
40		P & F WVC Wash basin (1st quality IS:2556 Mark) of approved make with C.I. brackets duly painted 1 No. 15 mm C.P. Pillar cock (IS:8934 Mark) & 32 mm C.P. brass waste coupling of approved make, <b>P.V.C Waste pipe with PVC nut 32 mm</b> complete including cutting & making good the wall :			
	2	Size 450 mm x 300 mm	Each	1718.00	3436.00
41		P & F Grating of approved quality/make:			
	15	Stainless Steel Sheet size 125mm dia.	Each	45.00	675.00
42		P & F <i>G.I. pipes (Internal Work)</i> with G.I. Fittings excluding union (IS:1239 Mark) & MS clamps including cutting and making good the walls and floors:			
		Concealed pipe in wall including painting with anticorrosive bitumen paint			
		25mm dia nominal bore			
	26	'B' Class	Mtr	390.00	10140.00
43		P & F <i>G.I. Pipes (External Work)</i> with G.I. fittings excluding union (IS : 1239 Mark) including trenching & refilling earth etc.			
		25mm dia nominal bore			
	75	'B' Class	Mtr.	220.00	16500.00
44		Making connection of G.I. distribution branch with G.I. main including all fitting.			
	20	Upto 25mm dia	Each	241.00	4820.00
45		P & F Bib Cock (IS : 8931 Mark), Superior quality of approved make:			
	2	P.V.C.heavy duty, 15mm nominal bore.	Each	96.00	192.00
46		P & F <i>Ball Cock</i> (IS :1703 Mark) with Rod & P.V.C. Ball complete :			
	2	Brass wt. <b>Not less than 300 gm</b> ,15mm.	Each	285.00	570.00
47		P & F <i>Inlet Connection</i> (Angle Valves) Superior quality, of approved make, for Wash basin, Gysar etc.			
	5	C.P. Inlet connection 15mm.Brass (IS : 8931 marked)	Each	455.00	2275.00
48		P & F 15 mm. Dia <i>Connection Pipe</i> of approved quality/make :			
	4	(-do-) 450mm.	Each	124.00	496.00
49		P & F <i>Full-way Valve</i> (IS:778 Mark) or wheel valve of approved make :			
49.1	2	Gun-metal 15mm nominal bore.	Each	206.00	412.00
49.2	3	(-do-) 25mm nominal bore.	Each	481.00	1443.00
50		P & F <i>PVC Storage Tank</i> ISI Marked (IS : 12701) indicating the BIS license No), of approved make with cover, 25mm dia 1M long G.I. over-flow pipe & 25 Cm. long wash out pipe with plug & socket, including making connection etc., complete of approved design:			
	2	300 (-do-)	Each	1944.00	3888.00
51		Providing and fixing Bitumen Paint Coating over G.I. Pipes Complete as per Specifications. –			
a	23	15 mm dia	Rmt.	1.05	24.15
b	100	25 mm dia	Rmt.	1.68	168.00
52		Construction of <i>chamber</i> in all type of soil with 300 mm thick masonry in CM 1:6 m,10 cm thick C.C. 1:5:10 in foundation, 20mm thick insider plaster in Cm 1:6, finished with floating neat cement, 50mm thick M-15 grade C.C. flooring , earthwork etc. complete as per design including disposal of surplus earth within a lead of 50 mtr.			
a	2	Inside size 300 X 300 mm depth upto 0.5 M Cement cover with frame.	Each	795.00	1590.00
b	2	-do- size 450 x 450mm depth upto 0.5 M Cement cover with frame	Each	1767.00	3534.00
53		Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes Type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make			
	51	110 mm dia	Mtr.	254.00	12954.00
54		Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes fittings type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make			
		Coupler			
	2	110mm dia	Each	78.00	156.00
55		Bend 45 Dg.			
	4	110mm dia	Each	96.00	384.00
56		Pipe Clip			
	20	110mm dia	Each	22.00	440.00
57		W.C. Connector			
	2	110mm dia	Each	157.00	314.00
58		Nahni Trap with Jali 4"			
	6	110mm dia	Each	124.00	744.00
59		Vent Cowel			
	2	110mm dia	Each	43.00	86.00
60		P & F <i>Push Cock</i> superior quality, of approved make			

	5	Synthetic Material (PTMT) push cock of approved quality/make 15mm.	Each	186.00	930.00
61		P& F waste Pipe with all fitting			
	5	P.V.C. with C.P. nut 40 mm dia	Each	143.00	715.00
62		P & F <i>Bevelled edge Mirror/mirror with teak wood lipping around</i> of special glass of approved make as per direction of Engineer-in-charge complete with 6mm thick commercial ply base fixed to wooden screws & washers.			
	2	Size 600 x 450mm x 4 mm thick	Each	436.00	872.00
63		P & F <i>Liquid Soap Container</i> with brackets complete of approved make:			
	2	Synthetic Material of approved quality/make:	Each	110.00	220.00
64	1	P & F <i>Jet spray</i> for water closet with C.P. Copper Tube flange of approved make.	Each	266.00	266.00
65		Construction of Cement Concrete Chamber 125mm dia.			
	10	C.P. Brass grating	Each	127.00	1270.00
66		Providing Laying & jointing glazed S.W. pipes grade 'A' (IS:651 marked) of approved make with spun yarn & stiff mixture of cement mortar 1:1, excavation & refilling of earth in all types of soil upto 1.2m depth, S.W. fittings, including testing of joints etc, complete.			
	50	150mm dia	Mtr.	369.00	18450.00
67		Providing & Laying C.C. 1:5:10 (Stone aggregate 40mm nominal size) all around S.W. pipe including 15 Cm. thick bed concrete (Width W= Diameter of pipe in Cm+30 Cm.)( Excluding cost of pipe)			
	50	150mm dia S.W. pipe	Mtr.	500.00	25000.00
68		Construction of Man hole, in all types of soil, inner size 1.5 x 1.2 M, with 450mm thick masonry in CM 1:6, 10 Cm. thick cement concrete 1:5:10 in foundation, 20mm thick inside plaster in CM 1:6, finished with floating neat cement, 50 mm thick M-15 grade C.C. flooring making channels, 80 mm thick stone slab covering with 40 mm thick M-15 grade C.C. flooring, Ferro Cement cover with frame of 450mm dia, earthwork etc. complete including disposal of surplus earth within 50 mtr. lead as per design :			
	3	Depth up to 1.5 M	Each	16542.00	49626.00
	10	Add extra over item 3.20.1 for every additional 0.10m depth above 1.5 m depth .	Each	581.00	5810.00
69		Providing and fixing Granite stone slab mirror polished and machine edge cut in walls, pillars, steps, Shelves, Sills Counters, Floors etc. laid on 12mm (Av.) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) jointing with white cement mortar 1:2 (1white cement : 2 marble dust) with pigment to match the shade of the marble slab including grinding, rubbing and polishing complete.			
		South (Red)			
	10	Above 3601 Cm <sup>2</sup> Slabs	Sqm.	3122.00	31220
70		Providing and fixing Superior quality CP Brass fittings of approved make as per direction of Engineer-in-charge			
	1	Bib Cock with long thread 15 mm nominal size	Each	748.00	748

**Total in Rs.**

**Say Rs.**

**4588040.15**

**4588040.00**

**EXECUTIVE ENGINEER  
SECTION MNIT**

**ESTATE  
JAIPUR**

I/We hereby agree to execute the work @.....% Above/Below of Schedule 'G'

**SIGNATURE OF THE CONTRACTOR WITH FULL POSTAL ADDRESS**