

Name of work:- Creating the additional space for student activities in MNIT Campus jaipur

G-Schedule

S.No	Qty	Items	Unit	Rate	Amount
		CIVIL WORKS			
1	179	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	27745.00
2	546	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	30576.00
3		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.			
A	61.66	M10 grade Nominal Mix 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	Cum	3331.00	205389.46
B	20	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	Cum	2859.00	57180.00
4		Providing and laying cement concrete including curing, compaction etc. complete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, levelling course etc up to floor five level excluding the cost of centering and shuttering.			
A	2	M10 grade Nominal Mix 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	Cum	3740.00	7480.00
		R.C.C			
5	29.92	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers(if required) excluding the cost of centering, shuttering and reinforcement for Beams, suspended floors, roofs, girders having slopes up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases and spiral staircases etc. M20 grade Nominal Mix / Design Mix	Cum	4490.00	134340.80
6		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 :			
A	180.39	Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, sills, chhajjas, lintel, beam, plinth beam etc.	Sqm	295.00	53215.05
7		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. (*Original producers' who manufacture billet directly from iron ores and roll the billets to produce steel conforming to IS:1786)			
A	2692.8	Thermo-mechanically Treated bars (Conforming of relevent IS code)	Kg.	61.00	164260.80
8	12	Providing and Fixing Chiken wire mesh at the joint of masonry members/ R.C.C. Members with Nails complete in all respect.	Sqm	70.00	840.00
9		Random Rubble stone masonry for with hard stone in foundation and plinth in Cement Sand mortar above 30 CM thick wall in:			
A	117	Cement Mortar 1:6 (1-Cement : 6-Sand).	Cum.	2458.00	287586.00
10		Add extra for Random Rubble stone masonry with hard stone in			
A	117	Wall curved in plan to mean radius not exceeding 6 Mtr.	Cum	277.00	32409.00
11		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 :			
A	175.13	Cement mortar 1 : 6 (1 cement : 6 coarse sand)	Cum.	4536.00	794389.68
12		Supplying and fixing stone lintels/bed plates of approved quarry rough dressed in cement mortar 1:4 :			
A	0.42	Upto 15 cm. thick.	Cum	8330.00	3498.60
13		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)			
A	393	For area of each slab from 2001 to 5000 Sq.Cm	Sqm	886.00	348198.00
14		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			
A	14	For area of each slab from 2001 to 5000 Sqcm	Sqm	868.00	12152.00

15		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			
A	271	Full Edge moulding	Mtr.	212.00	57452.00
		FINISHING			
16		Plaster on new surface on walls in cement sand mortar 1:6 including racking of joint etc. complete fine finish :			
A	1558	20mm thick.	Sqm	151.00	235258.00
17		Providing and applying white cement based putty over plastered surface to prepare the surface even and smooth complete			
A	211	New Plastered Surface (three or more coats)	Sqm	73.00	15403.00
18		Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade including all scaffolding:			
A	211	Two or more coats on new work including preparation of base with primer, putty, lippy etc complete in all respect.	Sqm	70.00	14770.00
19		Finishing walls with textured exterior paint of required shade as per approved colour complete as per manufacturers specifications including primer coat and protecting coat including scaffolding and safety provision	Sqm		
A	211	Trowel Finish av. thickness 1500 to 2000 microns.	Sqm	350.00	73850.00
20	776	Finishing walls with Acrylic Smooth exterior paint of required shade including all scaffolding. New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sqm).	Sqm	75.00	58200.00
21		Grading roof for water proofing treatment with water proffing compound			
A	7	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	4075.00	28525.00
22	63	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	6363.00
23		Precast terrazo tiles of approved make, 20mm thick with marble chips of size upto 6mm laid in floors, and landing, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete on 20mm thick bed of cement sand mortar 1 : 4.			
A	80	Light shade using white cement.	Sqm	470.00	37600.00
24		P&F rigid PVC Pipe (IS:4985 mark) class II/ (4 Kg./Cm ²) approved quality /make including joining the pipe with solvent cement rubber ring and lubricant.			
A	55	110 mm dia	Mtr	197.00	10835.00
25		P&F rigid PVC pipe fittings (IS: 4985 mark) of approved quality /make including joining the pipe with solvent cement rubber ring and lubricant:			
A	5	Bend 87 .5 110mm dia	Each	112.00	560.00
B	2	Plain floor trap 110mm dia	Each	161.00	322.00
26		Providing and fixing in CM 1 : 4 double paltam (rebated) stone door window and ventilator frames of approved quarry :			
A	25	Size 125 x 100mm	Mtr.	190.00	4750.00
27		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' :			
A	10	30 mm thick . Commercial Veneer both side	Sqm	1595.00	15950.00
32	10	Extra for providing external lipping with 2nd class teak wood battens 6 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) Over item no. 8.13.	Sqm	122.00	1220.00
28		Providing & Fixing decorative veneer of approved make for inner/outer side of shutters with fevicol & nails complete as per approved by engineer in charge.			
A	19	4.0mm thick veneer	Sqm	1304.00	24776.00

29	88	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 ltr/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	38984.00
30		For shutters builtup standard tubular sections of openable doors ,windows & ventilators including providing & fixing hinges / rollers etc. and making provision for fixing of fittings wherever required (lockes shall be paid for separately).			
A	126	Powder coating aluminium (minimum thickness of powder coating 50 micron)	Kg.	346.00	43596.00
31		Providing and fixing glazing in aluminium door, window ,ventilator shutters and partitions etc. with PVS / 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.)			
A	6	With float glass panes of 5.0 mm thickness (weight not less than 13.50 kg/sqm)	Sqm	820.00	4920.00
32	21	Filling the gap upto 5 mm depth and 5 mm width in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.	Rm	71.00	1491.00
33		Providing and fixing expanded grill made of aluminum as per design and drawing having members section of size 7.5mm x 6.0mm and opening of size 102mm x 99mm to aluminum window/vent with required screws, Y and H aluminium sec (as per drawing) at the ends and middle joints respectively complete in all respect as per direction of engineer in charge.			
A	6	Powder coating aluminium (minimum thickness of powder coating 50 micron)	Sqm.	1675.00	10050.00
34	6	S&f fixed wire gauge of stainless steel of 14 mesh x 24 gauge to the aluminium window by Aluminium beading 20x3mm with suitable screws at not exceeding 150mm distance at all heights with all lead and lift with scaffolding.	Sqm	724.00	4344.00
35		Providing and fixing aluminium U shape handle of size 100mm with SS screws etc. Complete as per direction of Engineer-in-charge			
A	4	Powder coated minimum thickness 50 micron aluminium	Each	66.00	264.00
36		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			
A	6	Good quality South Black Above 3601 Cm² Slabs	Sqm.	3500.00	21000.00
37	6.00	Extra for providing opening of required size & shape for wash basins/ kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite/stone work including necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete	Each Opening	233.00	1398.00

Grand total
SAY

2871141.39
2871141.00
Rs.

EXECUTIVE ENGINEER
ESTATE SECTION MNIT
JAIPUR

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

SIGNATURE OF THE CONTRACTOR WITH FULL POSTAL ADDRESS