

## MALAVIYA NATINOAL INSTITUTE OF TECHNOLOGY JAIPUR

Name of work:- Construction of stage for student activity ground near old school in MNIT Campus jaipur

## G-Schedule

Name of the Firm:-

S.No	Qty	Items	Unit	Rate	Amount
1	280	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	43400.00
2	721	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	40376.00
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	106.92	M10 grade Nominal Mix 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	Cum	3331.00	356150.52
B	30.73	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	Cum	2859.00	87857.07
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). R.C.C	Cum	3740.00	7480.00
5	28.91	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	129805.90
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	2601.9	Thermo-mechanically Treated bars (Conforming of relevent IS code)	Kg.	61.00	158715.90
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	201.82	Cement mortar 1 : 6 (1 cement : 6 coarse sand)	Cum.	4536.00	915455.52
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	577	For area of each slab from 2001 to 5000 Sq.Cm	Sqm	886.00	511222.00
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.			
A	271	Full Edge moulding	Mtr.	212.00	57452.00
16		Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete on 20 mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand)			

A	48	Light shade using shade cement.	Sqm	495.00	23760.00
17	420	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	Kg.	457.00	191940.00
18		Providing and laying of paver block as per IS 15658 : 2006 (Indian standard for precast concrete block for paving- specification) and IRC : SP:63-2004 (guidelines for the use of interlocking concrete block pavement)			
A	190	M-30, 60 mm thick to be used in non traffic areas like building premises, monument premises, land scapes, public gardens/ park, domestic drives, paths and patios, Embankment slopes, sand stabilization Area etc.( As per table 1 of IS 15658:2006			
A	190	Category 'B' Denated only two side like I,Z,T shape etc. as per IRC SP 63:2004	Sqm	716.00	136040.00
19		FINISHING Plaster on new surface on walls in cement sand mortar 1:6 including racking of joint etc. complete fine finish :			
A	2251	20mm thick.	Sqm	151.00	339901.00
20		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
21		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
22		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
23	1001	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	75075.00
24		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
25	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
26		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	73	Light shade using white cement.	Sqm	470.00	34310.00
27		P&F rigid PVC Pipe (IS:4985 mark) class II/ (4 Kg./Cm <sup>2</sup> ) approved quality /make including joining the pipe with solvent cement rubber ring and lubricant.			
A	55	110 mm dia	Mtr	197.00	10835.00
28		P&F rigid PVC pipe fittings (IS: 4985 mark) of approved quality /make including joining the pipe with solvent cement rubber ring and lubricant: Bend 87.5			
A	5	110mm dia	Each	112.00	560.00
B	2	Plain floor trap 110mm dia	Each	161.00	322.00
29		Supplying and fixing machine cut fine dressed Red/Pink sand stone dasa or coping, with full moulding if required laid on cement mortar 1:4 including pointing with admixture of pigment matching with the stone shade.			
A	123	50 mm thick	Sqm.	1262.00	155226.00
30		Providing and fixing in CM 1 : 4 double paitam (rebated) stone door window and ventilator frames of approved quarry :			
A	25	Size 125 x 100mm	Mtr.	190.00	4750.00
31		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

33		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
34	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
35		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
36		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
37	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
38		Providing and fixing expanded grill made of aluminium as per design and drawing having members section of size 7.5mm x 6.0mm and opening of size 102mm x 99mm to aluminium 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
39	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
40		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
41		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 Cm <sup>2</sup> Slabs	Sqm.	3500.00	21000.00
42	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
43	74	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 ( 1 cement : 2 sand) with pigment to match the shade of the tiles complete with all respect. ( as per IS 1237:2012)	Sqm	1122.00	83028.00
44	2	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	3202.00
45		P & F water closet Seat Covers with brass hinges complete :			
A	2	-do- White.	Each	353.00	706.00
46		P & F Low level Flushing Cistern 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:			
A	2	PVC with PVC bend and superior internal fittings	Each	1246.00	2492.00
47		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, P.V.C Waste pipe with PVC nut 32 mm complete including cutting & making good the wall :			
A	8	Size 510 mm x 400 mm	Each	1824.00	14592.00
48		P & F Bevelled edge Mirror/mirror with teak wood lipping around 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.			
A	3.17	Other sizes	Sqm.	1075.00	3407.75
49		P & F Grating of approved quality/make:			

A	10	Stainless Steel Sheet size 125mm dia.	Each	45.00	450.00
50	7	Providing and fixing 1st quality standard white, grey, ivory, fume red brown, light green, light blue and other light shades glazed tiles conforming 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	4291.00
51	7	Extra for using Marble printed / Granite shade or dark shade tiles instead of white, grey, ivory, fume red brown, light green, light blue and other light shades in glazed tiles and MAT finished tiles.	Sqm	61.30	429.10
52	7	Extra for using size above 200x300mm in glazed tiles and for using 400mm x 400mm MAT finished tiles in place of 300mm x 300mm size.	Sqm	61.30	429.10
53	24	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	16320.00
54	24	Extra for using Marble printed / Granite shade or dark shade tiles instead of white, grey, ivory, fume red brown, light green, light blue and other light shades in glazed tiles and MAT finished tiles.	Sqm	68.00	1632.00
55	24	Extra for using size above 200x300mm in glazed tiles and for using 400mm x 400mm MAT finished tiles in place of 300mm x 300mm size.	Sqm	68.00	1632.00
56	2	P & F C.P. Health Faucet with 1Mtr. Long Tube & Hook of approved make and heavy as per direction of Engineer-in-Charge	Each	550.00	1100.00
57		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. (Concealed work including cutting chases and making good the walls etc.)			
A	79	15 mm nominal outer dia pipes	Rm	195.00	15405.00
58		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings, this included jointing of pipes & fittings with one step CPVC solvent cement, trenching refilling & testing of joints complete as per direction of Engineer in Charge. (External work).			
A	53	15 mm nominal outer dia pipes	Rm	117.00	6201.00

59		Providing and fixing Superior quality CP Brass fittings of approved make as per direction of Engineer-in-charge			
A	2	Two way Bib Cock 15 mm nominal size	Each	1067.00	2134.00
60		P & F 15 mm. Dia Connection Pipe of approved quality/make :			
A	8	(-do-) 450mm.	Each	92.00	736.00
61		P & F PVC Storage Tank 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.			
A	2	500 (-do-)	Each	3240.00	6480.00
62		P & F Inlet Connection (Angle Valves) Superior quality, of approved make, for Wash basin, Gyser etc,			
A	10	C.P. Inlet connection 15mm.Brass (IS : 8931 marked)	Each	455.00	4550.00
20		Providing & fixing Spun –Centrifugally cast Iron Pipes (IS : 3989 Mark ) of Approved make in wall or in floor with M.S. Holder bat clamps in 10 X 10 X10 Cm. M-15 Grade concrete blocks, joints filled with CM 1:4 with spun yarn including cutting holes and making good the wall-			
A	55	100 mm dia	Mtr	1181.00	64955.00
63		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.			
A	110	150mm dia	Mtr.	369.00	40590.00
64		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)			
A	110	150mm dia S.W. pipe	Mtr.	500.00	55000.00
65		Construction of chamber 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	-do- size 450 x 450mm depth upto 0.5 M Cement cover with frame	Each	1767.00	3534.00
66		Construction of manhole in all type of soil inner size 90 X 60 Cm. 300 mm thick masonry in CM 1:6, 10 Cm. thick cement concrete 1:5:10 in foundation, 20 mm thick inside plaster in CM 1:6, finished with floating neat cement, 50mm thick M-15 grade C.C. flooring, making channels, 80mm thick stone slab covering with 40mm thick M-15 grade C.C. flooring, Cement cover with frame of 450mm dia, earthwork etc. complete as per design including disposal of surplus earth within 50 mtr. lead.			
A	4	Depth up to 0.5 M	Each	4536.00	18144.00
B	15	Add extra over item 3.19.1 for every additional 0.10m depth above 0.5 m depth.	Each	170.00	2550.00
67	1	Labour charges for making connection of sewer line through main hole.	Each	590.00	590.00
68		P & F Square-mouth gully trap 'A' grade (IS 651-1992 :marked) of approved make complete with C.I. grating, frame & Cover masonry chamber in C.M. 1:6, 100mm thick C.C. 1:5:10 base concrete, 40mm thick C.C.M-15 grade coping, 12mm thick cement plaster in CM 1:3 complete as per approved design & type.			
A	2	Trap size 225 X 150 mm, ferrow cement cover with frame Internal Chamber size 450 X 450mm.	Each	1390.00	2780.00
69		P & F Sand –cast Floor Trap (Nahni) of (IS:1729 mark) of approved quality/make with socket down or hinged grating including cutting and making good the floor.			
A	8	Size 100 x 100mm	Each	630.00	5040.00
70		P & F S.C.I. Fittings (IS : 1729 mark) in CM 1:4 with spun yarn.			
A	2	100mm-do-			
A	2	Cowel	Each	425.00	850.00
B	4	Tee	Each	693.00	2772.00
C	5	Bend	Each	502.00	2510.00
		Grand total			4345772.51
		SAY			4345773.00
<b>Percentage "Above" or "Below" or "At par" the Estimated cost of work/schedule</b>					
Sr.No.	Estimated cost of work (in Rupees)	Rate Quoted by Contractor As		Price	
		"Above" or "Below" or "At Par"	% in Figures	In Words	Total Cost (in Rupees)
1	3	4	5	6	7
1	4345773.00				-
<b>TOTAL COST OF SCHEDULES:-</b>	<b>43,45,773.00</b>			<b>TOTAL QUOTED PRICE=</b>	<b>0.00</b>
<b>Grand Total (in words)</b>					
<b>H-Schedule</b>					
S.No	Qty	Items	Unit	Rate	Amount
1	27.34	Providing and laying tactile tile (for vision impaired persons as per standards) of size 300x300x9.8mm having water absorption less than 0.5% and conforming to IS: 15622, of approved make in all colours and shades in outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	Sqm		0.00
				TOTAL	0.00
	<b>Total G Schedule + H-Schedule</b>				<b>0.00</b>