

ESTIMATE FOR CONSTRUCTION OF PROPOSED HOSTEL BUILDING (G+3) IN THE PREMISES OF NMA SILVASSA

HOSTEL BUILDING BLOCK 2 (G+3)

SUMMARY OF COST (CIVIL,SANITARY, ELECTRICAL WORK)

S. No.	Description	SOR (2023) Amount (Rs.)	NSOR Amount (Rs.)
1	CIVIL & SANITARY WORK	33085110.26	
2	ELECTRICAL WORK	1236410.00	2890870
	Total (A)	34321520.26	2890870.00
3	Add GST @ 18 % Extra on Sor-2023	6177873.65	
	Total (B)	40499393.90	2890870.00
	Grand Total	43390263.90	

ESTIMATE FOR CONSTRUCTION OF PROPOSED G+3 HOSTEL BUILDING IN THE PREMISES OF NMA SILVASSA						
SOR Valsad 2023/Maharashtra SSR 2023						
S. No.	SOR VALSAD / MHSOR. 2023-24	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
A		SITE CLEANING & DISMANTALING				
1	26117B	Clearing and grubbing road land including uprooting rank vegetation grass bushes, shrubs, sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials (B) By manual in area of thorny jungle	Hectare	0.06	108824.63	5989.71
B		EARTH WORK				
2	27007A	Excavation for foundation in sand, gravel, clay soft soils and murrum etc. including shoring, strutting dewatering as necessary and disposing of the excavated stuff as directed.(A) Depth upto 3.0 M. and lead upto 100m for 10 Cum	cu.m	826.90	496.13	410252.18
3	4006.00	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering	cu.m	639.72	129.10	82587.68
4	04008A	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete	cu.m	180.20	286.20	51573.07
5	04009A	Filling in foundation and plinth with brick Bats Chhara in layers of 20cm. thickness including watering, remming and consolidating etc. complete.	cu.m	60.07	594.61	35716.12

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S. No.	SOR VALSAD / MHSOR. 2023-24	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
6	22007.00	Anti-Termite System:Providing and laying of permanent piping technology anti-termite treatment before flooring work by installing LLDP (Low linear density polyethylene) tube of 8 mm O.D. & 6.4 mm 1.D. with inbuilt pressure compensation chip every 30 cm interval in the tube, having working pressure of 2 Kg/cm ² and release rate of 1.9 ltr/hour fixed by P-clips and nails. The LLDP pipe shall be installed at the entire periphery of the building and at internal network of building at a depth of 20 to 200 mm under floor at every 2 to 3 mtr. c/c distance (adjusted as per building layout) & Ends of loop pass through a PVC elbow of minimum 32 mm ID at junction box of wall and floor level, entering into a steel reinforced grooved flexible pipe of minimum 22 mm ID leading into junction box and the loops shall terminate in junction boxes & test every junction during injecting chemicals for termite control treatment. The anti termite chemical Imidacloprid 30.5% SC mix as per IS-6313 (part III) shall be injected by the pressure pump diluted with water @ 10.5 ml/5 ltr of water at the rate of 2 Kg/sq.cm @ 5 Ltr/SMT. The contractor shall submit approved line plan for piping system and junction boxes dully approved by Engineer-in-Charge with bond of 5 year warranty.(i)Anti Termite chemical injected area (Chemical injecting incl. labour cost)	sqm	300.33	133.00	39944.20
C		REINFORCED CEMENT CONCRETE WORK				
7	05004A	Providing and laying cement concrete 1:4:8 (1- Cement : 4- coarse sand : 8- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	cu.m	52.23	2653.67	138601.90
8	05021A	Providing and laying damp proof course 25mm thick cement concrete 1:2:4 (1-Cement : 2 coarse sand : 4 stone aggregate 10 mm nominal size) and curing complete	Sqm	64.65	308.55	19947.26
9	05025AA	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	cu.m	91.05	4224.29	384603.02

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10	05025CA	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (C) Slabs,landing,shelves,Balconies, Lintels, Beams, Girders and Cantilever upto Five Floor Level.	cu.m	249.18	4482.32	1116919.56
11	05034A2	Providing and laying controlled cement concrete M.250 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (A) BEAMS :(ii) Having cross-sectional area more than 0.08Sq.M and upto 0.12 Sq.M	cu.m	217.59	9453.03	2056840.18
12	05034B2	Providing and laying controlled cement concrete M.250 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (B) COLUMNS:(ii) Having cross-sectional area more than 0.08 Sq.M and upto 0.18 Sq.M	cu.m	63.60	12386.55	787766.00
13	05015A	Extra for additional lift of concrete for all R.C.C. work above floor two level excluding cost of reinforcement	cu.m	265.18	39.70	10527.79
14	5018.00	Providing throating or plaster drip and moulding to R.C.C. Chhajja.	Rmt	684.20	41.75	28565.35
15	05010AA	Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4-graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	cu.m	0.90	3646.87	3282.18
		FORM WORK				
16	09001AA	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (A) Foundations Footings Bases of Columns etc. and Mass concrete.	Sqm	132.25	170.10	22495.73
17	09001B1 A	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (B) Flat surfaces such as soffits of supspened floors slabs Landings and the like. (1) Floors etc. upto 200 mm in thickness	Sqm	1402.02	248.85	348893.27

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S. No.	SOR VALSAD / MHSOR. 2023-24	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
18	09001LA	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (L) Chullah Hoods, weather shades Chhajjas Corbels etc. including edges	Sqm	178.24	167.29	29817.77
19	09001MA	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (M) Staircase with sloping or stepped soffits including risers and stringers excluding landing	Sqm	65.28	240.98	15731.17
D		REINFORCED STEEL WORKS				
20	05014C	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor Five level	kg	98332.87	75.46	7420198.42
21	05016A	Extra for additional lift of reinforcing steel for all R.C.C. work above floor two level.	kg	49166.44	0.99	48674.77
E		BRICK WORK				
22	06001AA	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:5. (1- Cement : 5 -fine sand)(A) Modular	cu.m	43.91	4345.02	190790.26
23	6014.00	Masonry work using Aerated light weight concrete block having crushing strength not less than 35 kg/sqcm for super structure above plinth level upto floor Five level in cement mortar 1:5 (1 cement : 5 fine sand) complete as per Technical Specification	cu.m	675.37	4483.73	3028159.38
24	06007C1 A	Extra for brick work/ concrete Blockin superstructure above floor two level Item No. 3 (A) Modular	per floor per cu.m	337.68	41.32	13953.06
F		DOOR, WINDOW AND VENTILATION WORK				

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S. No.	SOR VALSAD / MHSOR. 2023-24	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
25	10001A	Providing wood work in frames of Doors, windows cleare story windows and othersimilar works wrought, framede and fixed in position. (A) Indian Teak Wood	10 Cu.Dm.	319.59	602.04	192408.22
26	39.09	Providing and fixing solid core flush door shutter in single leaf 32mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3 mm thick on both faces or as directed, all necessary beads, mouldings and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides, and finishing with french polish etc. complete.	sqm	133.77	3079	411877.83
27	11032	Providing and fixing extruded aluminum window having extruded aluminum Colour Powder Coated section frame main outer size 127mm x 38.10mm x 1.35mm ,@ Wt.1.384 Kg/mt,horizontal Four track member size 122.20mm x 31.75mm x 1.10mm @ Wt. 1.205 Kg/mt,vertical member of size 122.20mm x 31.75mm x 1.50mm ,@ Wt. 1.398 Kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt,vertical member of size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt,@ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window	Sqm	162.75	2119.14	344890.04
28	11037	Providing and fixing standared extruded of alluminium section of size 63.50 x 38.10 x 1.95 mm,@ Wt 1.094Kg / Rmt with colour Powder Coated alluminium frame with 5 mm thick transparent bronze colour tinted float glass as details etc complete for Fix window.	Sqm	2.16	1815.14	3920.70
G		STEEL WORK				
29	10025AA	Providing and fixing M.S. grills of required pattern to wooden/Aluminum frames of windows etc. with M.S. flats at required spacings and frame around, square or round bars with round headed bolts and nuts or by screws (A) Plain Grill	kg	2473.65	103.01	254810.69

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S. No.	SOR VALSAD / MHSOR. 2023-24	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
30	10026A	Providing and fixing hard drawn steel wire fabric 75mm x 25mm mesh or weight not less than 7.75 kg. per Sq.M. to window frames etc. including 60 x 20mm beading of teak wood.	sqm	164.91	754.65	124449.33
31	40.08	Providing and Fixing mat finish stain less steel (of 302 grade) railing with top pipe of 50mm dia.and vertical pipe of 38mm dia at 0.60m c/ cora srequired and horizontal pipe s of 25mm dia in three rows, all pipes of 2mm thick including buffing, fabricating fixtures and fastening including pipe base of appropriate diameter and ball base of 75mm dia above newel post of 75mm diameter etc.complete (Prior approval of sample and brand by Ex.Engineer is necessary before use	Rmt	39	3545	138893.10
32	11004A	Providing and fixing 1mm thick M.S. sheet sliding shutters with frame and diagonal braces of 40 x 40 x 6 mm angle iron, 3.15 mm M.S. gusset plates at Junctions and corners 25 mm dia. pulley, 40 x 40 x 6mm angle and T-iron guide rail at top and bottom respectively with handles, stoppers and locking agangement etc, including applying a priming coat of red lead paint. vertical channels 20 x 10 x 2 mm braced with flat iron diagonals 20 x 5 mm size with top and bottom rails of T_rin 40x 40 x 6 mm with 38mm dia, steel pulleys complete with bolts, nuts, locking arrangements, stoppers handles including applying a priming coat of red lead paint.	sqm	2.52	3652.12	9203.34
I		TILES, KOTA STONE AND GRANITE WORK				
33	14018AA	Providing and laying chequered precast cement concrete tiles 22mm thick with aggregate of sizes upto 6mm in floors, treads of steps and landings on 20mm thick bed of C.M. 1:6 (1-cement : 6-sand) or L.M. 1:1.5(1-Lime putty : 1.5 coarse sand) joint with neat cement slurry with pigments to match the shade of the tiles.	Sqm	9.00	522.78	4705.02
34	14011A	Providing and laying marble stone slab flooring over 20mm (average)base of cement mortar 1:6 (1-cement : 6 coarse sand) or L.M. 1:1.5(1- lime putty : 1.5 - coarse sand) laid and jointed with gray cement slurry including rubbing and polishing complete. (A) Marble slab 25mm thick	Sqm	25.76	2069.55	53311.61

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S. No.	SOR VALSAD / MHSOR. 2023-24	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
35	14012AA	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1.1.5 (1-Lime putty :1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick	Sqm	236.65	956.03	226244.50
36	14013A	Providing and laying polished kota stone slab 25mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slury mixed with pigment to match the shade of slab including rubbing and polishing etc. complete	Sqm	129.27	1078.88	139461.42
37	14008BA	Providing and laying Ceramic tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1- cement : 3-coarse sand) finishing with flush pointing in white cement. Size 600 mmx600mm	Sqm	217.84	960.47	209226.48
38	14008CA	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	Sqm.	1024.08	1062.5	1088090.10
39	14009BA	Providing and laying Ceramic tiles 6mm thick in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3- coarse sand) and jointed with white cement slurry size 600mm x300mm	Sqm.	693.38	1028.11	712868.86
40	14009CA	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1- cement : 3-coarse sand) and jointed with white cement slurry	Sqm.	237.78	1130.15	268722.55
41	14032	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M250 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine sand) etc complete.	Rmt	110.00	358.06	39386.60

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S. No.	SOR VALSAD / MHSOR. 2023-24	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
42	14033	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidelines of IRC : SP 63-2018 etc. Complete	Sqm	132.00	680.1	89773.20
J		FINISHING WORK				
43	17001A	Providing 10mm thick cement plaster in single coat on bick/concrete walls for interior plastering upto floor two level and finished even and smooth in (i)Cement mortar 1:3 (1-cement:3- sand) brick/concrete walls for interior plastering upto floor Five level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4- sand)	Sqm	1402.02	114.98	161204.54
44	17002B	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor Five level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4-sand)	Sqm	3775.51	151.68	572669.72
45	17003B	Providing 20mm thick cement plaster in single coat on single or half brick walls for interior plastering upto floor Five level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4-sand)	Sqm	2849.66	192.15	547562.17
46	17007A	Extra for interior plastering above floor two level for every additional storey height. (1) Single coat plaster	Sqm	3312.59	23.16	76719.50
47	17008.00	Extra for plastering on ceiling and soffits of stairs above floor two level for every additional storey height.	Sqm	701.01	21.11	14798.35
48	19032.00	Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth	Sqm	8027.19	40.19	322612.96
49	19002.00	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including cleanicn the surface of all dirt, dust and other foreign matter. metal surface with synthetic enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter	Sqm	5.04	86.94	438.18

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S. No.	SOR VALSAD / MHSOR. 2023-24	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
50	19001.00	Applying priming coat over new steel and other metal surface after and including preparing the surface by thoroughly cleaning, oil, grease, dirt and other foreign matter and scoured with brushes fine steel wood, scrapers and sand paper with ready mixed priming paint brushing red lead.	Sqm	5.04	34.34	173.07
51	19017.00	Polishing with french polish on new wood and wood based surface to give an even surface including cleaning, the surface of all dirt, dust and sand papering smooth and including a coat of wood filler.	Sqm	352.77	123.48	43559.42
52	18031.00	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	Sqm	5177.53	79.55	411872.89
53	18032.00	Extra for every subsequent coat of wall painting with plastic emulsion paint of approved brand.	Sqm	5177.53	40.12	207722.70
54	18033.00	Extra for painting with plastic emulsion paint of approved brand on ceilings and sloping roofs	Sqm	5177.53	5.36	27751.59
55	18034.00	Extra for every subsequent coat of painting with plastic emulsion paint on ceiling and sloping roofs	Sqm	5177.53	2.21	11442.35
56	19031.00	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete (Two coats) to give an approved brand and manufacture and of required shape even shade after thoroughly brushing the surface to Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete	sqm	2396.46	113.40	271758.56
		EXTERNAL FAÇADE WORK				

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S. No.	SOR VALSAD / MHSOR. 2023-24	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
57	50.25	Dry wall cladding with clay tile;Designing ,supplying and fixing of Clay tile of Unistone ,Archeton (Red Series or Grey Series) or Equivalent with suitable size and thickness not less than 20 mm as per manufacturer with approved colour and pattern with composition of finest powdered clay and colour mixtures. The clay tile shall be fixed on the suitable farming system by using continuous aluminium profile dsection as per manufacturer with suitable size and spacing to with stand the structural design criteria specified in the technical specification by using necessary HD G brackets ,SS316 grade anchor bolt set cas per manufacturer specification.Cladding joint sshould be with open groove system. with prior approval of concerned Superitending Engineer	sqm	606.80	10590.00	6426012.00
58	50.29	Providing and fixing of imported clay tiles pn M.S.frame Work using Maditerranean plus roof tiles of Unistone,Archeton tile of colour Red Engobe or equivalent with necessary accessories required to fix tile including clips and screw (Prior permission of S.E.is to be obtained before inclusion)	sqm	606.80	3062.00	1858021.60
K		WATERPROOFING WORK				
59	15011A	Providing and fixing five courses water profing treatment with bitumen felt consisting of second and fourth course of blown / bitumen or/ and residual bitumen applied hot at 1.2 kg.per Sq.M.of area for each course and first course with fibre base bitunen saturated under lay type land third course with fibre base self finished felt type 2 grade 1 and fifth and final course of stone grit 6mm and down size or pea sizes gravel spread at 0.008 Cu. Metre / Sq. metre including preparation of surface excluding grading complete.	sqm	427.00	466.84	199340.68
60	31.05	Providing water proof bedding for flooring of Bath and WC 25mm thick in C.M.1:3 including using approved water proofing compound in specified proportion as per manufacturer sspecification s for per bag of cement including leveling ,curing and covering 10 years guarantee on court fee stamp paper of Rs.500/-including ponding test etc. complete.	sqm	156.48	430.00	67285.63
L		PLUMBING WORK				

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S. No.	SOR VALSAD / MHSOR. 2023-24	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
61	22014.00	Providing erecting and fixing double coated ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace	litre	8000.00	3.91	31280.00
62	23005BA	Providing and fixing cast iron spigot and socket soil, waste and ventilating pipes of the following nominal size.(B) 75mm dia.	Rmt	165.00	732.09	120794.85
63	23005CA	Providing and fixing cast iron spigot and socket soil, waste and ventilating pipes of the following nominal size.(C) 100mm dia	Rmt	155.00	881.64	136654.20
64	23006B	Providing and fixing in position cowel went to pipes.(B) 75mm dia.	Each	36.00	385.88	13891.68
65	23006C	Providing and fixing in position cowel went to pipes.(C) 100mm dia	Each	28.00	496.90	13913.20
66	23010.00	Providing and fixing wsh down water closet (European type, W.C. Pan) with integral P or S trap including jointing the trap with soil pipe in Cement Mortar 1:1 (1-Cement : 1-fine sand) (Seal and cover to be measured and paid for separately) (A) vitreous China Pattern :(i) in white colour	Each	26.00	1290.80	33560.80
67	23016.00	Providing and fixing G.I. inlet connection for flush pipe with W.C. Pan	Each	26.00	38.60	1003.60
68	23017.00	Providing and fixing plastic seat and cover for wash down water closer with C.P. brass hinges and rubber buffers. (B) Black plastic seal and cover	Each	26.00	288.45	7499.70
69	23018.00	Providing and fixing washbasin with single hole for pillar tap with C.I. or M.S. brackets painted white including sutting holes and making good the same but excluding fittings.(A) Vitreous China:(ii) Flat Back washbasin 510 mm x v 430mm cat no. 10038(i) In white colour	Each	26.00	1491.53	38779.78
70	23023.00	Providing and fixing C.P. brass shower rose with 15mm or 20mm inlet.(A) 100mm dia. Each	Each	26.00	279.37	7263.62
71	23024.00	Providing and fixing 600mm x 450mm bevelled edge mirrror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixing to wooden pluge with C.P. brass screws and washers	each	26.00	825.48	21462.48
72	23025.00	Providing and fixing C.P. brass towel rail comlete with C.P. brass brackets fixed to wooden plugs with C.P. brass scews.(B) 600mm x 20mm size	Each	26.00	597.22	15527.72
73	23027.00	Providing and fixing toilet paper holder.(A) C.P. Brass	Each	26.00	414.53	10777.78
74	23028A1	Providing and fixing screw down bib taps of following size.(A) Brass screw down bib tap polished bright. (i) 15mm dia.	Each	52.00	184.98	9618.96

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S. No.	SOR VALSAD / MHSOR. 2023-24	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
75	23029A	Providing and fixing pillar tap, capstan head, screw down high pressure with screws, shanks and back nuts. (i) 15mm dia.	Each	26.00	305.67	7947.42
76	23030A	Providing and fixing brass screw down stop tap.(A) 15mm dia.	Each	26.00	203.79	5298.54
77	23031C	Providing and fixing Gun metal check or non-return fullway wheel valve.(C) 25mm dia.	Each	22.00	416.47	9162.34
78	23034.00	Providing and fixing Urinal of approved quality including connection with trap and with integral longitudinal flush pipe.(A) Squating plate pattern white earthenware 550mm x 300mm.	Each	24.00	1535.63	36855.12
79	23032C	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete.(iii) 32mm dia	Each	24.00	273.03	6552.72
80	23036.00	Providing and fixing chromium plated, bottle trap with necessary couplings of approved quality for wash basin.	Each	26.00	292.87	7614.62
81	23037A1	Providing and fixing ball cock of approved. quality as directed.(A) Copper Metal (i) 25mm dia.	Each	102.00	131.57	13420.14
82	23026.00	Providing and fixing 600mm x 120mm glass shelf with C.P. brass bracket and guard rail complete mixed to wooden plug with C.P. brass screws.	Each	26.00	513.45	13349.70
83	23013.00	Providing and fixing 12.5 Litres low level flushing cistern with a pair, of C.I. or Mild brackets, complete with fittings such as lead valve less syphon, 15mm nom.nal size brass ball valve with polythene float, C.P brass handle unions and couplings for connections, with inlet, outlet and overflow pipes, 40mm dia. porcelain enamelled flush bend including cutting holes in walls and making good the same connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately)(A) Vitreous China (I) In white colour	Each	26.00	2321.21	60351.46
84	23037B2	Providing and fixing ball cock of approved. quality as directed.(B) Abonite (ii) 50mm dia	Each	6.00	136.52	819.12
85	23055.00	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete.[A] 15 mm	Rmt	262.00	165.21	43285.02

ESTIMATE FOR CONSTRUCTION OF PROPOSED G+3 HOSTEL BUILDING IN THE PREMISES OF NMA SILVASSA						
SOR Valsad 2023/Maharashtra SSR 2023						
S. No.	SOR VALSAD / MHSOR. 2023-24	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
86	23056.00	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [B] 20 mm.	Rmt	193.00	202.97	39173.21
87	23057.00	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [C] 25 mm.	Rmt	67.00	247.25	16565.75
88	23058.00	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [D] 32mm.	Rmt	132.00	330.36	43607.52
89	23059.00	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [E] 40mm.	Rmt	76.00	437.66	33262.16
90	23060.00	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [F] 50mm	Rmt	150.00	647.30	97095.00

ESTIMATE FOR CONSTRUCTION OF PROPOSED G+3 HOSTEL BUILDING IN THE PREMISES OF NMA SILVASSA						
SOR Valsad 2023/Maharashtra SSR 2023						
S. No.	SOR VALSAD / MHSOR. 2023-24	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
91	23067.00	Providing, laying and jointing in true line and level 110 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diametre x 149 mm length x 145 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials	Rmt	108.90	828.45	90218.21
92	23068.00	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls	each	26.00	565.43	14701.18
93	24006AA	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps. (A) 100mm x 100mm size P type	Each	16.00	1279.40	20470.40
94	24007BA	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(B) 150mm	Rmt	100.00	246.21	24621.00
95	24007DA	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(D) 300mm	Rmt	150.00	658.89	98833.50
96	24018BA	Providing sock pit of 5.00 Cu.M. Volume including excavating and filling brickbats with dry masonry work at top for 45cm height including covering the top with stone including providing vatas in C.M. 1:3 with finishing curing etc. complete as directed.	Each	2.00	3338.80	6677.60

ESTIMATE FOR CONSTRUCTION OF PROPOSED G+3 HOSTEL BUILDING IN THE PREMISES OF NMA SILVASSA						
SOR Valsad 2023/Maharashtra SSR 2023						
S. No.	SOR VALSAD / MHSOR. 2023-24	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
97	24008A	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:3 (1-Cement : 3-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (1) A type depth 0.90 Metre for 150mm diameter sewer.	Each	6.00	10920.76	65524.56
98	24016CA	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/ Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(iii) Inside dimensions 600mm x 850 mm and 450mm deep for pipe lines with three or more inlets.	Each	6.00	7109.35	42656.10
TOTAL (CIVIL & SANITARY WORK)						33085110.26

PROJECT : INTERNAL ELECTRICAL BOQ FOR HOSTEL BUILDING (G+3), SILVASA								
S. No.	SOR-2023 /NON-SOR	Description	Unit	Total Qty	SOR Rate	NSOR Rate	TOTAL SOR Amount	TOTAL NSOR Amount
SUB-HEAD-I: CIRCUIT POINT WIRING								
1.0)	SOR 1-1-1.	Point wiring for Light / Fan/ Bell/ Primary Point with 2-1.5 sq. mm & earth wire of 1.5 sq. mm (green) both are of ISI marked 1.1 kv grade FRLS PVC insulated multi strand copper wires upto max length of 10 mt, in below type of pipe erected with 6A Tissino Type ISI marked flush type switch / bell push and accessories erected on Metal / PVC/Wooden Box covered with 3 mm thick PC(Polycarbonate) /Acrylic/Laminated sheet. with necessary Lamp holder/ceiling rose / H.D.Connector as directed.						
		(a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete	Pt	163.00	384.00		62,592.00	
		(b) with 16 swg(1.6 mm thick) HGS metal conduit pipe and accessories painted black erected flushed on wall/ceiling complete	Pt.	162.00	513.00		83,106.00	
		(c) with oval conduit /PVC casing capping double lock type erected flushed on wall/ceiling complete	Pt.	162.00	326.00		52,812.00	
		(d) partial PVC pipe and drops in oval conduit / PVC casing capping erected flushed on wall/ceiling complete	Pt.	162.00	356.00		57,672.00	
		(e) in existing pipe erected flushed on wall/ceiling complete	Pt	162.00	279.00		45,198.00	
		(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete	Pt	162.00	420.00		68,040.00	
		(g) with 16 swg(1.6 mm thick) HGS metal conduit pipe and accessories painted black erected concealed in wall/ceiling complete	Pt.	162.00	548.00		88,776.00	
		(h) with oval conduit /PVC casing capping double lock type erected concealed in wall/ceiling complete	Pt.	162.00	361.00		58,482.00	
		(i) partial PVC pipe and drops in oval conduit / PVC casing capping erected concealed in wall/ceiling complete	Pt.	162.00	390.00		63,180.00	
		(j) in existing pipe erected concealed in wall/ceiling complete	Pt	162.00	314.00		50,868.00	
2.0)	SOR 1-2-5.	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of .ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires erected in below type of pipe with 6A Modular type switches and following type of accessories erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D.Connector as directed.						
	a)	(a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete	Point	378.00	536.00		202608	
3.0)	1-1-3.	Point wiring for on board looped PLUG with tissino type single pole ISI marked Switch and Socket erected with necessary connections erected on wooden /Metal/ PVC Box covered with 3 mm thick PC(Polycarbonate) /Acrylic sheet for open / concealed wiring for following size.						
		[A] For 6 Amp.	Pt.	141.00	71.00		10011	
		[B] For 16 Amp.	Pt.	116.00	176.00		20416	

PROJECT : INTERNAL ELECTRICAL BOQ FOR HOSTEL BUILDING (G+3), SILVASA								
S. No.	SOR-2023 /NON-SOR	Description	Unit	Total Qty	SOR Rate	NSOR Rate	TOTAL SOR Amount	TOTAL NSOR Amount
4.0)	MR-1	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.	Point	1.00		1562		1,562.00
5.0)	4-2-1.	Supplying & erecting XLPE(IS:7098)(I)-88 ISI unarmoured copper cable 1.1 KV grade to be erected as directed of following size.						
	a)	(A) 2 core 2.5 Sq. mm	Metre	1,134.00	115.00		130410	
	f)	(D) 2 core 10 Sq. mm	Metre	30.00	350.00		10500	
SUB-HEAD-II:- CABLE TRAYS AND ACESSERIES :								
6.0)	MR-2	Supplying and installing Providing & erecting hot dipped galvanised ladder type cable tray manufactured from 16 swg (1.6 mm thick) gi sheet of 150 mmm width & 100 mm height comprising all required standard accessories	Metre	6.00		767		4602
7.0)	MR-3	Supplying and installing Providing & erecting hot dipped galvanised ladder type cable tray manufactured from 16 swg (1.6 mm thick) gi sheet of 150 mmm width & 75 mm height comprising all required standard accessories	Each	6.00		614.00		3684
8.0)	MR-4	Supplying and installing following size of perforated pre-painted M.S. cable trays reducers with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.						
	a)	100 mm width X 50 mm depth X 1.6 mm thickness	Each	2.00		1,003.00		2006
	b)	150 mm width X 50 mm depth X 1.6 mm thickness	Each	1.00		1,186.00		1186
SUB-HEAD-III:- DISTRIBUTION BOARDS								
9.0)	3-11-5.	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for						
	a)	(iii)8 way	Each	8.00	821.00		6568	
10.0)	3-11-6.	Supplying & erecting Sheet Steel powder coated Cable end termination Box to be mounted on Top or Bottom of the MCB Distribution Box for housing/covering Extra wires & Cables, suitable for following size of MCB DB Box.						
	a)	(B) Single Phase 6 Way	Nos.	192.00	340.00		65280	

PROJECT : INTERNAL ELECTRICAL BOQ FOR HOSTEL BUILDING (G+3), SILVASA								
S. No.	SOR-2023 /NON-SOR	Description	Unit	Total Qty	SOR Rate	NSOR Rate	TOTAL SOR Amount	TOTAL NSOR Amount
11.0)	3-12-1.	providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240						
	a)	(ii) 40Amps. DP	Each	24.00	1,920.00		46080	
	b)	(iii) 63 Amps. DP	Nos.	8.00	2,170.00		17360	
12.0)	MR-5	Supplying and fixing Single Pole Blanking Plate in the existing MCB DB complete Etc. as required.	Nos.	8.00		1,034.00		8272
SUB-HEAD -IV :- CONDUITING WIRING AND CABLING FOR TELEPHONE / TV NETWORK SYSTEM								
13.0)	1-3-2.	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed						
	a)	(a)20 mm	RM	340.00	26.00		8840	
	b)	(b) 25 mm	RM	170.00	36.00		6120	
	c)	(c) 32 mm	RM	85.00	60.00		5100	
14.0)	1-4-6	Providing & Erecting approved make following size of TV Co-axial flexible cable comprising inner conductor of solid bare copper insulated with Foam PE & Secondary conductor made of poly - Aluminium film bonded Al. Braids @ suitable coverage overall sheathed with black PVC insulation.						
	a)	(e) RG-11	Each	20.00	68.00		1360	
	b)	(c) RG - 6 CCS	Each	20.00	22.00		440	
	c)	(a) RG 59	Each	20.00	26.00		520	
15.0)	1-4-7	Supplying & erecting approved make Telephone Cable electrolytic copper conductor PE insulation twisted in two pairs, & wrapped with FRLS PVC tape & sheathed with FRLS PVC or HFFR outer Jacket suitable for telephone wiring & conforming to C-DOT erected in existing pipe. of following size of conductors & nos.of pairs. With necessary connections.						
	a)	(5) Ten Pairs	Each	1.00	71.00		71.00	
16.0)	MR-6	Providing, fixing connecting and testing of solder less Television Junction Box of following capacity ties as required in suitable size of m.s. hinged lockable cover box duly painted etc. as required of Krone type.						
	a)	2 pair T.V Junction Box.	Each	40.00		2800		1,12,000.00

PROJECT : INTERNAL ELECTRICAL BOQ FOR HOSTEL BUILDING (G+3), SILVASA								
S. No.	SOR-2023 /NON-SOR	Description	Unit	Total Qty	SOR Rate	NSOR Rate	TOTAL SOR Amount	TOTAL NSOR Amount
17.0)	33.34	Supplying Providing and laying in position flooring of telephone black / Amba White / Cat bary brown / Ruby red / Ocean Brown granite stone of approved shade and size 18 mm to 20 mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete as required.						
	a)	2 pair Telephone cable. (0.61sq mm)	RM	120.00	38		4,560.00	
18.0)	MR-7	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	RM	120.00		47		5,640.00
19.0)	MR-8	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed steel/ PVC conduit as required.	RM	140.00		57		7,980.00
20.0)	MR-9	Supplying and fixing metal box of following sizes (nominal size) on surface or in reces with suitable size of phenolic laminated sheet cover in front including painting etc as required.						
	a)	75 mm x 75 mm x 60 mm deep	Each	60.00		178.00		10,680.00
SUB-HEAD-V:- EARTHING INSTALLATION								
21.0)	3-14-16	providing and erecting Cast iron earth plate size 45 X 45 X 0.35 cms. buried in specially prepared 2.5 Mtr. Deep earth Pit complete with necessary G.I. strip in G.I. pipe 2 Mtr. long with coupling and G.I. plug for earthing of switch gear, conduit run or power plug etc.	Nos.	8.00	1,000.00		8,000.00	
22.0)	3-14-6-B	Providing and erecting Pipe type earthing with 40 mm dia 2.5 mtr long 'B' grade G.I. pipe with necessary coupling buch buried in specially prepared earth pit & G.I. earth wire of 8 SWG erected & connected as directed (For panel)	RM	64.00	960.00		61440	
23.0)	MR-10	Providing and fixing earth bus of 50 mm X 5 mm copper strip on surface for connections etc. as required.	RM	64.00		2,113.00		135232
24.0)	MR-11	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	RM	64.00		244.00		15616
25.0)	MR-12	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/submain wiring/ cable as required.	RM	64.00		42.00		2688
SUB-HEAD-VI LIGHTS ITEMS								

PROJECT : INTERNAL ELECTRICAL BOQ FOR HOSTEL BUILDING (G+3), SILVASA								
S. No.	SOR-2023 /NON-SOR	Description	Unit	Total Qty	SOR Rate	NSOR Rate	TOTAL SOR Amount	TOTAL NSOR Amount
26.0)	MR-13	Supply, fitting, wiring, testing and commissioning of 40 W 2X2 RECESS MOUNTED LED LIGHT all accessories as required . (Wipro Item Model Number DG24065)	Each	16.00		9000		1,44,000.00
27.0)	MR-14	Supply ,fixing , testing and commissioning of 10 W LED CEILING ROUND LIGHT all accessories as required.	Each	96.00		850		81,600.00
28.0)	MR-15	Supply ,fixing , testing and commissioning of 20 W LED CEILING TUBE LIGHT all accessories as required.	Each	24.00		1800		43,200.00
29.0)	5-3-2.	Providing & erecting fresh air fan 250 mm dia with square frame make of ABS body with louvers	Each	16.00	1,820.00			29,120.00
30.0)	MR-16	Supply ,fixing , testing and commissioning of 15W CEILING LIGHT. all accessories as required.	Each	297.00		2500		7,42,500.00
31.0)	MR-17	Supply ,fixing , testing and commissioning of 1X25W CFL CEILING LIGHT. all accessories as required.	Each	38.00		1200		45,600.00
32.0)	MR-18	Supply ,fixing , testing and commissioning of 25W havells clioup & down Landscape Lighte accessories as required.	Each	320.00		1060		3,39,200.00
33.0)	MR-19	Supply ,fixing , testing and commissioning of 1X20W surface lighte makes havell. all accessories as required.	Each	28.00		2500		70,000.00
34.0)	MR-20	Supplying & fixing Acrylic Letters With led modular back lighte and singboard (english)Language as per direction of engineer incharge	Set	1.00		257442		2,57,442.00
35.0)	MR-21	Supplying & fixing Letters With led modular back lighte and singboard as per direction of engineer incharge	JOB	1.00		195600		1,95,600.00
36.0)	MR-22	Supply ,fixing , testing and commissioning of MIRROR LIGHT. all accessories as required.	Each	24.00		850		20,400.00
37.0)	MR-23	Supply ,fixing , testing and commissioning of CEILING FAN (1200MM) all accessories as required.	Each	92.00		2200		2,02,400.00
SUB-HEAD-VII:- CCTV SYSTEM								
38.0)	MR-24	Supply, installation, testing and commissioning of DVR-20-CH, 400/480fps display, 400f/480ps recording, H.264, Recording @704x480 (100/120ips)/ 704x240 (200/240ips)/ 352x240 (400/480ips), 8Audio In/ 1 Out, 16 Alarm In, 4 Relay Out, Network Port available for Remote View S/W with transmission up to 120 IPS @ 352x288 PAL, along with 3 TB HDD, complete all as specified with 230VAC power supply complete in all respects as per specifications as per engineer in charge.	Set	1		165000		1,65,000.00

PROJECT : INTERNAL ELECTRICAL BOQ FOR HOSTEL BUILDING (G+3), SILVASA									
S. No.	SOR-2023 /NON-SOR	Description	Unit	Total Qty	SOR Rate	NSOR Rate	TOTAL SOR Amount	TOTAL NSOR Amount	
39.0)	MR-25	Supply, installation, testing and commissioning of High Resolution 32 inch LCD colour TV monitor with on screen adjustment menu, durable metal cabinet etc. complete in all respects as per specifications as per engineer in charge.	Each	1		44500		44,500.00	
40.0)	MR-26	Supply, installation, testing and commissioning of IR & IP Based dome type indoor coloured fixed camera with of 1/3" CCD,540 TVL, Sensitivity @ 30 IRE: Color 0.5Lx/Night Sense 0.18 Lx, AWB / BLC / AGC /Auto Black, 2.6 to 6 mm vari-focal lens Auto Iris, 12VDC/24VAC for indoor application, complete in all respects as per specifications as per engineer in charge.	Each	18		7500		1,35,000.00	
41.0)	MR-27	Supply, drawing, installation, testing and commissioning of Video co-axial cable RG 11 in the existing surface / recessed steel/PVC conduit as required.	RM	189		40		7,560.00	
42.0)	MR-28	Supply, drawing, installation, testing and commissioning of armoured video co-axial cable RG 11 including trenching, excavation and backfilling as required.	RM	180		70		12,600.00	
43.0)	MR-29	PVC, HDPE PIPES & PVC FLEXIBLE PIPES:: Supply & erection of PVC pipes & HDPE pipes (fire retardant) for wiring purposes including bends, inspection boxes etc., where necessary including other petty material as per PWD General Specifications 2010:-							
		Heavy gauge PVC conduit pipe 20mm dia. (ISI marked 2mm thick) Flushed	RM	250		32		8,000.00	
44.0)	MR-30	Supply and drawing of following sizes of PVC insulated copper conductor single core FRLS cable in the existing surface / recessed steel/PVC conduit as required.							
		3 x 2.5 sq.mm.	RM	240		40		9,600.00	
45.0)	MR-31	Supply, drawing, installation, testing and commissioning of PVC insulated and PVC sheathed Instrumentation cable with electrolytic grade annealed bare flexible copper conductor shielded cable 2 core 16/0.2mm. cable in the existing surface / recessed PVC/steel conduit as required.	RM	240		75		18,000.00	
46.0)	MR-32	Supply and laying of RG 59/RG 6 tinned copper co-axial cable with polythene insulation. RG 6 only in case of distance between camera and DVR	RM	240		35		8,400.00	
TOTAL COST								12,36,410.00	28,90,870.00