

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

**MAIN ENTERANCE GATE
SUMMARY OF COST (CIVIL WORK)**

S. No.	Description	SOR (2023) Amount (Rs.)	NSOR Amount (Rs.)
1	CIVIL & SANITARY WORK	11951119.85	
2	ELECTRICAL WORK	118887.00	692596
	Total (A)	12070006.85	692596.00
3	Add GST @ 18 % Extra on Sor-2023	2172601.23	
	Total (B)	14242608.08	692596.00
	Grand Total	14935204.08	

ESTIMATE FOR CONSTRUCTION OF PROPOSED ENTERANCE GATE AND GUARD ROOM. IN THE PREMISES OF NMA SILVASSA

SOR Valsad 2023/Maharashtra SSR 2023

S. No.	SOR VALSAD / MHSOR.	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	0.05	108824.63	5441.23
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	252.86	496.13	125452.23
3	04009A	Filling in foundation and plinth with brick Bats Chhara in layers of 20cm. thickness including watering, remming and consolidating etc. complete.	cu.m	2.86	594.61	1700.58
4	22007	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 I.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	18.10	133.00	2406.77
C		REINFORCED CEMENT CONCRETE WORK				

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S. No.	SOR VALSAD / MHSOR.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
9	05003A	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	cu.m	10.55	2976.00	31391.22
10	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	14.13	308.55	4360.18
11	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	39.15	4224.29	165380.95
12	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 floor Five level.	cu.m	26.28	4482.32	117795.37
13	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	21.67	9453.03	204845.27
14	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	25.92	12386.55	321059.38
15	5022.00	Extra for providing and mixing water proofing material in Cement concrete in mix proportion recommended by the manufacturers	Litres or Kg per Quintal of	267.68	48.67	13027.97
		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	92.40	170.10	15717.24

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S. No.	SOR VALSAD / MHSOR.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
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 suspended floors slabs Landings and the like. (1) Floors etc. upto 200 mm in thickness	Sqm	174.08	248.85	43319.81
D		REINFORCED STEEL WORKS				
18	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	16838.13	75.46	1270605.14
E		BRICK WORK				
19	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	11.24	4345.02	48832.46
20	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	62.52	4483.73	280314.73
F		DOOR, WINDOW AND VENTILATION WORK				
21	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	9.95	602.04	5987.29
22	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	3.78	3079.00	11638.62

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S. No.	SOR VALSAD / MHSOR.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
23	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	9.60	2119.14	20343.74
G		STEEL WORK				
24	11002DA	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (D) In trusses and trussed purlins, upto 25 M. span and 15 M. overall height	q	159.0	8838.9	1405610.32
25	11002AA	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like	q	8.94	8958.28	80073.05
I		TILES, KOTA STONE AND GRANITE WORK				
26	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	3.43	956.03	3281.09
27	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	1.72	1078.88	1851.36
28	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.	18.10	1062.50	19227.00

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S. No.	SOR VALSAD / MHSOR.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
29	14009DA	Providing and laying Vitrified tiles 8 to 10 mm 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	Sqm.	3.70	1523.61	5640.40
J		FINISHING WORK				
30	17001A	Providing 10mm thick cement plaster in single coat on bick/concrete walls for interior plastering upto floor Five level and finished even and smooth in (i)Cement mortar 1:3 (1-cement:3- sand) brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4- sand)	Sqm	159.20	114.98	18304.82
31	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	222.00	151.68	33672.96
32	19032	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	381.20	40.19	15320.43
33	19002	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	75.60	86.94	6572.66
34	19017	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	25.23	123.48	3115.40
35	18031	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	Sqm	381.20	79.55	30324.46
36	18032.00	Extra for every subsequent coat of wall painting with plastic emulsion pain of approved brand.	Sqm	381.20	40.12	15293.74
37	18033.00	Extra for painting with plastic emulsion paint of approved brand on ceilings and sloping roofs	Sqm	190.60	5.36	1021.62

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S. No.	SOR VALSAD / MHSOR.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
38	18034.00	Extra for every subsequent coat of painting with plastic emulsion paint on ceiling and slopping roofs	Sqm	381.20	2.21	842.45
		EXTERNAL FAÇADE WORK				
39	51.1	Providing, applying, fabricating and fixing panel of aluminium composite panel cladding in approved shape made out of 4mm thick ACP Reynoarch sheet material consisting of 3mm thick FR grade mineral core following NBC part IV Fire and life safety (having 2hours fire resistance in accordance to ASTM E119-12 and BS476 part 6 and 7 class O) sandwiched between two aluminium sheets (each 0.5mm thick of AA5005 /AA3105 grade) The aluminium composite panel cladding sheet shall be coil coated with kynar 500 based PVDF/ Lumi flon based fluoro polymer resin (having 70:30 ratio of PVDF and acrylic) coating of approved colour and shade on top face and polymer (service) coating of bottom face as specified using stainless steel screws, nuts bolts, washers, cleats, weather silicon sealant, backer rod etc. overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre)	sqm	529.00	3870	2047230.00
40	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 framing system by using continuous aluminium profile section as per manufacturer with suitable size and spacing to withstand the structural design criteria specified in the technical specification by using necessary HD G brackets, SS316 grade anchor bolt set as per manufacturer specification. Cladding joint should be with open groove system. with prior approval of concerned Superintending Engineer	sqm	375.60	10590.00	3977604.00
41	50.29	Providing and fixing of imported clay tiles on M.S. frame Work using Mediterranean 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	375.60	3062.00	1150087.20

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S. No.	SOR VALSAD / MHSOR.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
42	15019	Providing and Fixing 6 mm thick Lexan Polycarbonate multi wallroofing sheet fixed with hilti screw and rubber silicon sealer and alluminium strip of size 50 x 3 mm etc complete as directed byEngineer in charge. glavanished iron J or L Hooks, Bolts and nuts 8mm diameter with bitumen and G.I. limpet washer or G.I. limpet washer. filled with white lead complete excluding the cost of purlins, Rafters and Trusses.(1) 0.80 mm thick sheet.	sqm	270.00	1427.62	385457.40
K		WATERPROOFING WORK				
43	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	130.60	466.84	60969.30
TOTAL CIVIL WORK						11951119.85

PROJECT : ELECTRICAL BOQ FOR MAIN ENTRANCE GATE HOSTEL BUILDING (G+3), SILVASA								
S. No.	SOR/NON-SOR	Description	Unit	Total Qty	SOR Rate	NSOR Rate	SOR Amount (Rs.)	NSOR Amount Rs
SUB-HEAD-I: CIRCUIT POINT WIRING								
1)	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)	(a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete	Pt	5.00	384.00		1,920.00	
2)	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	13.00	536.00		6968	
3)	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	[A] For 6 Amp.	Pt.	2.00	71.00		142	
	b	[B] For 16 Amp.	Pt.	2.00	176.00		352	
4.0)	M . R	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	1562	115.00	115.00		13225	
	f)	(D) 2 core 10 Sq. mm	Metre	100.00	350.00		35000	
SUB-HEAD-II:- CABLE TRAYS AND ACESSERIES :								
6.0)	MR-1	Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, 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	Metre	35.00		543.00		19005

S. No.	SOR/NON-SOR	Description	Unit	Total Qty	SOR Rate	NSOR Rate	SOR Amount (Rs.)	NSOR Amount Rs
	b)	150 mm width X 50 mm depth X 1.6 mm thickness	Metre	25.00		604.00		15100
7.0)	MR-2	Supplying and installing following size of perforated pre-painted M.S. cable trays bends 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	5.00		868.00		4340
	b)	150 mm width X 50 mm depth X 1.6 mm thickness	Each	4.00		1,018.00		4072
8.0)	MR-3	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	6.00		1,003.00		6018
	b)	150 mm width X 50 mm depth X 1.6 mm thickness	Each	4.00		1,186.00		4744
9.0)	MR-4	Supplying and installing following size of perforated pre-painted M.S. cable trays Tee's 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	5.00		1,139.00		5695
	b)	150 mm width X 50 mm depth X 1.6 mm thickness	Each	4.00		1,356.00		5424
10.0)	MR-5	Supplying and installing following size of perforated pre-painted M.S. cable trays cross members 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	3.00		1,003.00		3009
	b)	150 mm width X 50 mm depth X 1.6 mm thickness	Each	2.00		1,186.00		2372
SUB-HEAD-III:- DISTRIBUTION BOARDS								
11.0)	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	1.00	821.00		821	
12.0)	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.	6.00	340.00		2040	
13.0)	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						

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	a)	(ii) 40Amps. DP	Each	3.00	1,920.00		5760	
	b)	(iii) 63 Amps. DP	Nos.	1.00	2,170.00		2170	
14.0)	MR-6	Supplying and fixing Single Pole Blanking Plate in the existing MCB DB complete Etc. as required.	Nos.	1.00		1,034.00		1034
SUB-HEAD -IV :- CONDUITING WIRING AND CABLING FOR TELEPHONE / TV NETWORK SYSTEM								
15.0)	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	50.00	26.00		1300	
	b)	(b) 25 mm	RM	25.00	36.00		900	
	c)	(c) 32 mm	RM	12.50	60.00		750	
16.0)	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	1.00	68.00		68	
17.0)	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 & confirming 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	
18.0)	MR-7	Supplying drawing, connecting and testing of 0.61mm dia annealed copper conductor PVC insulated PVC sheathed telephone Wire/cables in Existing PVC conduit or a racks as required.						
	a)	2 pair Telephone cable. (0.61sq mm)	RM	6.00		38		228.00
19.0)	MR-8	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	1.00		178.00		178.00

S. No.	SOR/NON-SOR	Description	Unit	Total Qty	SOR Rate	NSOR Rate	SOR Amount (Rs.)	NSOR Amount Rs
		SUB-HEAD-V:- EARTHING INSTALLATION						
20.0)	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.	1.00	1,000.00		1,000.00	
21.0)	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	2.00	960.00		1920	
22.0)	MR-9	Providing and fixing earth bus of 50 mm X 5 mm copper strip on surface for connections etc. as required.	RM	2.00		2,113.00		4226
23.0)	MR-10	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	RM	2.00		244.00		488
24.0)	MR-11	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	2.00		42.00		84
		SUB-HEAD-VI LIGHTS ITEMS						
25.0)	MR-12	Supply ,fixing , testing and commissioning of 25W havells clioup &down Landscape Lighte accessories as required.	Each	12.00		1060		12,720.00
26.0)	MR-13	Supply ,fixing , testing and commissioning of 1X20Wsurface lighte makes havell. all accessories as required.	Each	15.00		2100		31,500.00
27.0)	MR-14	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
28.0)	MR-15	Supply, installation, Testing & commissioning of Lynx IP 65 - LRS 2514 - 14W 4000K With Aluminium Profile Flexible LED striplights made of bright LED chips, high quality thermal PCB board and an unmatched quality control process. It is an IP 20 product. (Make- Legero / Havells / Philips)	RM	30.00		2500		75,000.00
29.0)	MR-16	Supply ,fixing , testing and commissioning of CEILING FAN (1200MM) all accessories as required.	Each	2.00		2200		4,400.00
30.0)	MR-17	Supply, installation, Testing & commissioning of Astra-LW - LAS 0050 - 50W 240Vac, CCT - 3000K 100lm/W , CRI>80 Beam Angle - 60°,L - 181, B - 141, H - 112, Body material - Extruded Aluminium, White & Black Finish IP65(Make- Legero / Havells / Philips)	Each	8.00	5560		44,480.00	
		SUB-HEAD-VII:- CCTV SYSTEM						

S. No.	SOR /NON-SOR	Description	Unit	Total Qty	SOR Rate	NSOR Rate	SOR Amount (Rs.)	NSOR Amount Rs
31.0)	MR-17	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
32.0)	MR-18	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
33.0)	MR-19	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	2		7500		15,000.00
34.0)	MR-20	Supply, drawing, installation, testing and commissioning of Video co-axial cable RG 11 in the existing surface / recessed steel/PVC conduit as required.	RM	30		40		1,200.00
35.0)	MR-21	Supply, drawing, installation, testing and commissioning of armoured video co-axial cable RG 11 including trenching, excavation and backfilling as required.	RM	20		70		1,400.00
36.0)	MR-22	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	15		32		480.00
37.0)	MR-23	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	45		40		1,800.00
38.0)	MR-24	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	40		75		3,000.00
39.0)	MR-25	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	45		35		1,575.00
TOTAL COST							1,18,887.00	6,92,596.00