

Schedule of Quantities

N/W	Conversion of Reading room at 1st. Floor of Guest house Building to VVIP guest room at IIG Panvel campus.				
SLNo	Description	Qty	Unit	Rate	Amount
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering -				
1.1	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	0.4	cum	6518.60	2607
2	Reinforced cement concrete work in beams, suspended foors, roofs having slope up to 15* landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to foor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources).	0.27	cum	11505.50	3106
3	Centering and shuttering including strutting, propping etc. and removal of form for				
3.1	Lintels, beams, plinth beams, girders, bressumers and cantilevers	2.5	sqm	736.40	1841
4	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
4.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	70	kg	107.85	7550
5	Providing and laying Autoclaved Aerated concrete (AAC) blocks masonry with 150mm/230mm/300 mm thick with Grade-I AAC blocks of density 551 to 650 kg/ cum conforming to IS: 2185 (Part 3) in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for separately).	7	cum	8333.65	58336
6	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.				
6.1	Granite stone slab of colour black, Cherry/Ruby red				
6.1.1	Area of slab upto 0.50 sqm	0.7	sqm	5413.50	3789
6.1.2	Area of slab over 0.50 sqm	2.5	sqm	5136.30	12841
7	Extra for fixing marblle /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	4.5	metre	568.55	2558

8	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
8.1	Local hard wood	0.1	cum	83378.05	8338
9	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
9.1	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	6.5	sqm	2172.10	14119
10	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	2	each	983.15	1966
11	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	4	each	854.65	3419
12	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :				
12.1	250x16 mm	2	each	260.60	521
13	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
13.1	250x10 mm	5	each	115.15	576
14	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.				
14.1	Twin rubber stopper	3	each	72.35	217
15	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm ²), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.				
15.1	10 x 140 mm	24	each	156.35	3752

16	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, levelling system and rubber mallet for placing the tiles gently and easily.				
16.1	Glazed Vitrified tiles Matt/Antiskid finish of size 600x600 mm	5.5	sqm	1464.85	8057
17	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.				
17.1	GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.	10	sqm	1902.95	19030
18	Applying priming coat with primer of approved brand and manufacture having low VOC (Volatile Organic Compound) content				
18.1	With ready mixed pink or Grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/lit.	15	sqm	70.35	1055
19	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
19.1	Two or more coats on new work	20	sqm	155.90	3118

20	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	72	sqm	156.05	11236
21	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.				
21.1	Two coats	150	sqm	137.45	20618
22	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	155	sqm	19.75	3061
23	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including making good the same by cement plaster etc. complete as per direction of Engineer-in-charge.	1	each	288.10	288
24	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
24.1	Of area 3 sq. metres and below	1	each	367.20	367
25	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
25.1	Flexible pipe, 40 mm dia	1	each	119.55	120
26	Providing and fixing soil, waste and vent pipes :				
26.1	100 mm dia				
26.1.1	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	15	metre	1180.75	17711
26.2	75 mm diameter :				
26.2.1	Centrifugally cast (spun) iron socketed pipe as per IS: 3989	15	metre	1186.00	17790
27	Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in S.C.I./ C.I. Pipes :				
27.1	75 mm dia pipe	5	each	168.20	841
27.2	100 mm dia pipe	5	each	198.15	991
28	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. :				
28.1	For 100 mm dia pipe	2	each	362.85	726
28.2	For 75 mm dia pipe	2	each	360.00	720
29	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
29.1	100 mm dia				
29.1.1	Sand cast iron S&S as per IS - 3989	1	each	705.20	705
29.2	75 mm dia				
29.2.1	Sand cast iron S&S as per IS- 3989	1	each	522.80	523
30	Providing and fixing plain bend of required degree.				
30.1	75 mm dia, Sand cast iron S&S as per IS - 3989,	2	each	390.50	781
30.2	100 mm dia, Sand cast iron S&S as per IS - 3989,	2	each	570.05	1140

31	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
31.1	100 mm inlet and 75 mm outlet				
31.1.1	Sand cast iron S&S as per IS - 3989	2	each	1975.15	3950
32	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				
32.1	Internal work - Exposed on wall				
32.1.1	15 mm nominal dia Pipes	5	metre	286.80	1434
32.1.2	20 mm nominal dia Pipes	15	metre	335.00	5025
33	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.				
33.1	15 mm nominal dia Pipes	10	metre	497.80	4978
33.2	20 mm nominal dia Pipes	1	metre	537.60	538
34	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.				
34.1	15 mm nominal bore with 45 cm length	4	each	121.90	488
35	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately) :				
35.1	For fixed portion				
35.1.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	5	kg	495.05	2475

36	Providing and applying fibre reinforced elastomeric liquid waterproofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	5.5	sqm	563.10	3097
37	Providing and fixing PTMT grating of approved quality and colour.				
37.1	Rectangular type with openable circular lid				
37.2	150 mm nominal size square 100 mm diameter of the inner hinged round grating	2	each	196.95	394
38	Making hole up to 20x20 cm and embedding pipes up to 150 mm diameter in masonry/RCC and filling with cement concrete 1:3:6 (1 cement : 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) including disposal of malba.	3	each	209.20	628
39	Providing and fixing factory made solid Foam uPVC profile for kitchen cabinet frame (45 x 20 mm) of approved shade, quality and make. The profile shall be laminated on both sides, made from rigid foam sheets (Single extruded) having density 600 Kg/cum and the exposed edges sealed with PVC edge beading of same shade and colour. The frame shall be fire retardent with necessary screw holding capacity. Frame shall be fixed to wall using Expendable Fastner with necessary stainless steel screws, all complete as per direction of Engineer-in-charge.	15	metre	450.95	6764
40	Providing and fixing factory made Kitchen Cabinet Shutter/Partition 20 mm nominal thickness of approved shade, quality and make, made from rigid foam sheets (Single extruded) having density 600 Kg/cum and laminated on both side by laminate Sheet/PVC foil lamination. The exposed edges shall be sealed with PVC edge beading of same shade and colour. The shutter shall be fire retardent having necessary screw holding capacity. Shutter shall be fixed to frame using approved hinges with necessary stainless steel screws, all complete as per direction of Engineer-in-charge.	4	sqm	5350.55	21402
41	Providing and fixing concealed hinge of approved quality for 19-20mm thick door with stainless steel screws complete :	16	each	144.05	2305

42	Providing and plastering with premixed readymade cement mortar such as 'READYPLAST' of Ultratech or 'EASYPLAST' of WalPlast Products Pvt. Ltd or or equivalent, manufactured in automated dry mix batching plant where Cement, sand and polymer additive are mixed in pre-determined ratio (as per manufacturer specification). In one coat 6 to 7 litre potable water (as per manufacturer specification) shall be added to 40 kg of readymix dry mortar on mortar mixing G.I tray and shall be mixed well for 4-5 minutes. The mortar shall be left undisturbed for 3-5 minutes to dissolve additive and shall be mixed once again to form cohesive and consistent mix. - 12 mm average thickness.	50	Sqm	502.1	25105
43	Providing and fixing fully polished vitrified wall tiles of size 1200 x 600 mm (thickness to be specified by the manufacturer), of SOMANY or equivalent, in all colours shades as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	30	sqm	1996.8	59904
44	Providing and fixing Health faucet of (ABS Body) with 1.0 meter long PVC tube and wall hook of jaquar model No ALD-573 or equivalent.	1	each	1558.1	1558
45	Providing and fixing white vitreous china rimless wall Hung with PP soft close slim seat cover mounting water closet of approved shape including providing & fixing concealed cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre with wall plate including soft close seat cover , nuts, bolts and gasket etc complete. jaquar WC WH 360x 545X380mm of jaquar florentine Series model no: FLS-WHT-5953PPSM or equivalent. Control Plate Alive All chrome of jaquar Flush Plate model no: JCP-CHR-852415 or equivalent. Single piece slim concealed cistern with wall mounted frame installation Kit and S-Type Drain pipe connection set for wall Hung WC model no: JCS-WHT-2400WS or equivalent.	1	each	23173.6	23174
46	Providing and fixing white vitreous china counter top wash basin of with fixing Accessories shape of size 480 x205x 200mm rectangular shape (Model No: ALS -WHT-85601) of jaquar Alive series or Equivalent with tap hole of required size as per Architectural drg. & as directed by the Engineer in charge.	1	each	14081.55	14082
47	Providing and fixing C.P brass Pillar tap with Auto Closing System of jaquar Prismatic series (model No:PRS-031 Pillar Cock) or equivalent	1	Each	2248	2248
48	Providing and fixing of Toilet Roll Holder with Flap of jaquar Bath Accessories Continental series (model No:AKP-35753PS) or equivalent	1	each	2074.1	2074
49	Providing and fixing of Swivel Towel Rail Twin Type of jaquar Bath Accessories Continental series(model No:ACN-1101S) or equivalent	1	each	1539.5	1540
50	Providing and fixing C.P brass two way bib cock of jaquar Aria Quarter Turn series (model No:ARI-39041) or equivalent	1	each	2005.43	2005

51	Providing and fixing C.P brass angular stop cock with wall flange of jaquar Aria Quarter Turn series (model No ARI -CHR 39053) or equivalent	3	each	1571.6	4715
52	Providing and fixing Shower Panel of 1200mm high and 200 mm wide of jaquar model no JPL-SSF-ST8858B3 or equivalent with anti finger print Stainless Steel body, inbuilt ABS top shower with 50 nozzles, ABS body massage jets, chrome plated ABS hand shower, Brass spout, multi function water diverter, Brass faucet body with hot and cold mixer, 1.5 metre stainless steel double locked flexible hose, 40 cm stainless steel braded hose with operating pressure of minimum 2 bar, including fixing in position with all connection complete.	1	each	30000	30000
53	Providing and fixing aluminium adjustable louvers with 4.00 thick frosted glass with necessary screws, fittings etc. complete .(cost of aluminium frame shall be paid separately)	1	Sqm	1764.72	1765
54	Providing and fixing mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden/ transparent Acrylic frame(compatible to profile light fitting) with C.P brass mirror screws and washers complete.	3	Sqm	4632.3	13897
55	Providing, manufacturing and placing in position wooden drawers and open wardrobe made using commercial grade plywood conforming to IS:1328 BWR type. Top, bottom and sides made of 19mm thick plywood, back will be 12mm thick. All internal sides to be covered with 1mm thick balancing shade white laminate. All external sides to be covered with 1mm thick SF laminate of approved shade. All exposed edges to be covered with matching shade PVC edge banding. Storage to have 75mm high skirting. Lock and S.S handles to be provided. Shelves of 12 mm thickness plywood to be fixed on S.S shelf buttons. Drawers to glide on telescopic drawer channels Hafele or equivalent make. Drawings should be prepared by executing agency for approval. All as per approved drawing and as per direction of IIG authority. Overall elevation area (width x height) will be measured for payment purpose for depth 40 to 60 cm. No additional payment will be made for preparation of drawings.	5	Sqm	22500	112500
	Total =				582459
	Modified estimated cost after using correction factor on DSR 2023 on account of GST @ 0.973 on DSR items	287892			574686
	Add Cost Index @16% on DSR items i.e except MR item .	280119			44819
	Total of civil works ="A"				619505
	"B" ELECTRICAL WORKS				
56	Supplying, installation, testing and commissioning of 400 mm sweep, swing type wall mounted fan with thermal overload protection , air delivery not less than 105 cum/min with minimum 2100 rpm rated speed, pull cord control for speed and oscillation. On, Off with complete connections etc. as required.	1	Nos.	3000	3000
57	Wiring for circuit /submain wiring along with Earth wire with the following size of FRLS PVC insulated copper conductor, single core cable in surface/ recessed including cost of medium class PVC conduit as required.				

57.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	10	Metre	150	1500
57.2	2 X 4.0 sq. mm + 1 X 4.0 sq. mm earth wire	15	Metre	350	5250
58	Providing, fixing, making connection and testing of 3 Litre, 3KW Vertical Instant Water Heater (Geyser), Faster Heating, 3 Levels of Safety against high temperature and pressure with stem-type thermostat and cutout feature provide automatic temperature control and added safety Warranty: 2 years on product, 2 years on heating element and 5 years on tank with necessary electrical connection such as power socket, 15 amp. switch with modular plate and box etc(Gm,Anchore or equivalent make)).Geyser make of Recold, V-Guard, Havells or equivalent make complete as per direction of competent authority. (Fittings and wiring will be paid seperately)	1	each	4250	4250
59	Supplying and fixing suitable size GI / PVC box with modular plate and cover in front on surface or in recess,including providing and fixing 2 nos 6 pin 5/6 A modular socket outlet (compatible to Indian & international appliances) and 2 nos. 5/6 A modular switch or 1no socket and 4 nos switch including connections etc. as required complete as per direction of competent authority.	2	each	900	1800
60	Providing, fixing, making connection and testing of LED Rope light with connectors IP65 water-proof strip light with 400Lumens/meter warm white with 72LEDs/meter to offers 400 lumens/meter consumption of 6 Watt power. warm white of silicon materials with finished polish as per the requirement of Philips, Wipro Garnet, Havells or equivalent make complete as per direction of IIG authority.	10	metre	150	1500
61	Providing, fixing, making connection and testing of 36 Watt LED false ceiling light of 600x600 mm size (2 feet x2 feet Backlit Panel) cool white light (6500K) of Philips, Wipro Garnet, Havells or equivalent make complete as per direction of competent authority, with OEM warranty of minimum 2 years.	2	each	2450	4900
	Electrical Total i/c 18% GST				22200
	Total Electrical works = "B"				22200
	Grand Total of Civil + Electrical Works = "A" + "B" =				641705

(Rupees Six Lakh Forty One Thousand Seven Hundred Five Only.)

Add or deduct _____ % Above / _____ % Bellow the Estimated cost

Name, Sign and Seal of the Agency