

FINANCIAL BID: BILL OF QUANTITIES

**PROJECT: CONSTRUCTION OF HOLIDAY HOME AT SY.NO 29/1A, ARAKU RAILWAY STATION, ARAKU COLONY POST, S.O
YENDAPALLIVALASA, ARAKU VALLEY, VISAKHAPATNAM**

ABSTRACT

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
A	CIVIL WORKS						
	Earth work						
1	Earth work in All kinds of soil excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge.	617.00	Cum				
2	Earth work in excavtion depth 1.5m to 3m depth: Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :	223.00	Cum				
3	Earth work in Ordinary rock: excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge.	6.00	Cum				
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	185.10	Cum				
5	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	59.00	Cum				
6	Excavating, supplying and filling of local earth (including royalty) Earth brought from outside. by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	71.00	Cum				
7	Supplying, filling, spreading & leveling stone boulders of size range 15 cm to 20 cm, in Exavated footing pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	136.20	Cum				

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8	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.: With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	752.00	m				
9	Supplying chemical emulsion in sealed containers including delivery as specified. (Chlorpyriphos/ Lindane emulsifiable concentrate of 20%)	338.40	Litre				
	Concrete						
10	Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work ; using coarse aggregate and fine aggregate derived from natural sources and using recycled concrete aggregate (RCA) as coarse aggregate and fine aggregate within the permissible utilization, Portland Pozzolana / Ordinary Portland/Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. Concrete of M10 grade with minimum cement content of 220 kg /cum.	99.00	Cum				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
11	Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work ; using coarse aggregate and fine aggregate derived from natural sources and using recycled concrete aggregate (RCA) as coarse aggregate and fine aggregate within the permissible utilization, Portland Pozzolana / Ordinary Portland/Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. Concrete of M20 grade with minimum cement content of 270 kg /cum.	11.40	Cum				
12	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	108.00	Sqm				
	Centering Work						
13	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	111.00	Sqm				
14	Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers	647.20	Sqm				
15	Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts	327.00	Sqm				
16	Centering and shuttering with 12mm thick shuttering plywood confirming to IS 4990:2011 and removal of form at all heights. Plywood will be supported on lock bars.	333.00	Sqm				
17	Centering and shuttering including strutting, propping etc. and removal of form for Stairs, (excluding landings) except spiral-staircases	18.00	Sqm				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
	DESIGN MIX CONCRETE						
18	Providing and laying in position ready mixed Upto Plinth Level or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works upto plinth level, Concrete of M25 grade with minimum cement content of 330 kg /cum	141.00	Cum				
19	Providing and laying in position ready mixed Above Plinth Level or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works above plinth level upto floor V level, Concrete of M25 grade with minimum cement content of 330 kg /cum	88.00	Cum				
	Steel - Fe 500						
20	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. (Thermo-Mechanically Treated bars of grade Fe-500D or more)	20623	Kg				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
21	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand)- Foundation basement	41.00	Cum				
22	Providing and laying Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm -IS:12894-1990 - CLASS - 7.5 in super structure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand) all complete as per direction of Engineer-in-Charge. (Size- 290 x 225 x 140 mm)	121.30	Cum				
23	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level. Cement Mortar 1:4 (1 cement : 4 coarse sand)-Ground Floor	86.00	sqm				
24	Plastering to External walls: 20 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	567.00	Sqm				
25	Plastering to Internal walls: 18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand).	902.00	Sqm				
26	Plastering to RCC surfaces: 6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	374.00	Sqm				
27	Providing lath plaster with cement mortar 1:3, 5cms thick with 6mm dia mild steel bars at 20 cms. c to c both horizontally and vertically fixed with chicken mesh for drop chajja, fascia, backing to cup boards including cost of all materials, labour, providing and removing form work usage charges, curing, complete as per specifications.	18.20	Sqm				
	Painting						
28	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.- Internal walls and Ceiling	1146.00	Sqm				
29	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. (With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre) -Internal walls and Ceiling	1146.00	Sqm				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
30	Wall painting with premium acrylic emulsion paint of interior grade, 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.-Internal Walls and Ceiling	1146.00	Sqm				
31	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.)- External Walls	471.00	Sqm				
32	Finishing walls with textured exterior paint of required shade : New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	96.00	Sqm				
33	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Steel works	253.00	Sqm				
34	Providing and applying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease, efflorescence and applying paint @ of 1 litre for 2 m2.- Kerb stone	60.00	Sqm				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
35	Polishing in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below: 1.The surface to be polished is rubbed with sand paper 80/120 no.and then with sand paper of 160/180 nos. 2. Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4.On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with compressor pressure spray gun using melamine clear polish and melamine thinner mixed in required proportion complete as per direction of Engineer-in-Charge. (Final coat to be done in 1 or 2 layers without gap of time.)	13.33	Sqm				
	Flooring Work						
36	Providing and fixing 18 mm thick gang saw cut, Granite stone slab colour black, Cherry/Ruby red 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 to edges to give high gloss finish etc. complete at all levels.	17.30	Sqm				
37	Providing and laying Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge	123.30	Sqm				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
38	Providing and laying flamed finish Granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge	163.00	Sqm				
39	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge Granite work	53.00	m				
40	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	2.00	Each				
41	Providing and laying Double charge vitrified tile polished finish of Size of Tile 600 x 600 mm 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, leveling system and rubber mallet for placing the tiles gently and easily.	219.00	Sqm				
42	Providing and laying Glazed Vitrified tiles Matt/Antiskid finish of size 600 x 600 mm 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, leveling system and rubber mallet for placing the tiles gently and easily.	33.00	Sqm				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
43	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size 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.	130.00	Sqm				
	Doors and Windows						
44	Providing Sal wood work in frames of Main door , windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length, including 6 nos of 40x5 mm flat iron 400 mm long hold fast .	0.12	Cum				
45	Providing and fixing Second class teak wood -35 mm thick door shutters, with stiles of 200mm (W), top and bottom rails of 110mm (W) for Main Door (size- 1.8X2.4M) along with glazing using 4 mm thick frosted glass panes fixed with teak beading , including ISI marked 8 nos of 125x70x4mm Chromium plated Brass butt hinges, 2 nos. of 300 x 10 mm long chromium plated brass Tower Bolt (IS:204), 1 no of 350 mm long chromium plated brass Aldrop (IS:2681) , 4 nos of 450 mm chromium plated brass fancy handles, 1 no of chromium plated brass night latch. Complete as per design and instructions of the Engineer - in charge.	4.32	Sqm				
46	Providing and fixing factory made single extruded WPC Frame size 65 x 100 mm (Wood Polymer Composite) solid door/window/Ceostory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58- 60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/ cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2, modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. including 72 nos of 40x5 mm flat iron hold fast 400 mm long,	47.00	m				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
47	Providing and fixing factory made single extruded WPC Frame size 50 x 100 mm (Wood Polymer Composite) solid door/window/Ceoseatory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58- 60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/ cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2, modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge, including 48 nos of 40x5 mm flat iron 400 mm long hold fast ,	60.00	m				
48	Providing and fixing ISI marked flush door shutters 35 mm thick (10 nos) including ISI marked Stainless Steel butt hinges with necessary screws conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched colour laminate on both faces of shutters, including 10 nos of 250x10 mm bright finished brass tower bolts (barrel type), 10 nos of chromium plated brass 100 mm mortice latch and dead bolt with 6 levers and a pair of lever handles and Chromium plated 100mm Door stopper complete. The colour and shade of the Laminate will be as per the selection of the Architect.	18.30	Sqm				
49	Extra for providing frosted glass panes 4 mm thick, in doors, windows and ventilators. (Area of opening for glass panes excluding portion inside rebate shall be measured). MD, GD, MD Ventilator.	5.00	Sqm				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
50	<p>Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter of size 30 mm thick comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/ cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm², modulus of elasticity 850 N/mm² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge, including 36 nos of 100X58X1.90 mm IS : 12817 marked stainless steel butt hinges, 09 nos of bright finished brass 100 mm mortice latch with one dead bolt and a pair of lever handles, 02 nos. of 200mm Steel Aldrop, 4 nos. of 100mm Steel Handles, 11 nos of aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868)</p>	20.20	Sqm				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
51	Providing and fixing factory made uPVC glazed/wire mesh windows/ doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with/ without high performance coatings as per design requirements						
	Note:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for (i) Sites with basic wind speed > 45 m/sec as per IS 875 - Part 3 (ii) Sites with structure height more than 20m for all wind speeds. Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body. Using R3 series with frame (98mm & above) x (40mm & above) & both glazed and fly screen sash (30mm & above) x (55mm & above) with zinc alloy (zamak) powder coated handle on every glazed panel along with multi-point locking system.	26.30	Sqm				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
52	Providing and fixing factory made uPVC glazed/wire mesh windows/ doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with/ without high performance coatings as per design requirements						
	Note:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for (i) Sites with basic wind speed > 45 m/sec as per IS 875 - Part 3 (ii) Sites with structure height more than 20m for all wind speeds. Ventilator Casement window single panel with or without fixed panel with SS 304 friction hinges as per size and weight of sash, single point locking zinc alloy (zamak) powder coated handles. Using R1 series with frame (33 mm & above) x (35 mm & above) & sash / mullion (33mm & above) x(50mm & above). Height upto 0.9 metre.	4.00	Sqm				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
53	<p>Providing and fixing factory made uPVC white colour fixed glazed windows/ ventilators comprising of uPVC multi-chambered frame and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), , uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.</p>						
	<p>Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Fixed window / ventilator made of (small series) frame 47 x 50 mm & mullion 47 x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension.</p>	8.00	Sqm				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
54	<p>Providing and fixing factory made uPVC white colour sliding glazed door comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension uPVC extruded glazing beads, uPVC extruded interlock and uPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle with key on one side of extreme panels</p> <p>along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) crescent lock (if required), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.</p>						
	<p>Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Two track two panels sliding door made of (big series) frame 67 x 50 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing of 6mm thick. Fixed glass section of Framr size 67 x 50 mm having wall thickness of 2.3 ± 0.2 mm single glazing of 6mm thick .</p>	65.00	Sqm				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
	Water Proofing work						
55	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry. (Toilets & Utility area)	34.20	Sqm				
56	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of oncrete 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. (RCC Slab)	319.00	Sqm				
57	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, oof slabs, podiums, reservior, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% xompared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-incharge. The product performance shall carry guarantee for 10 years against any leakage.(UG Sump tank and septic tank)	61.00	Sqm				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
	Steel Work						
58	Steel work in built up tubular and solid sections (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. 8 nos of 300 mm long MS-Powder Coated Aldrop (IS:2681)						
a	Windows	531.82	Kg				
b	For Sky light	424.00	Kg				
c	Ms Pergola	410.00	Kg				
d	Frame work for Shingles	1081.00	Kg				
e	Stand for Water tank	330.24	Kg				
f	Gate	466.00	Kg				
g	Frame work for MD and SD With FG	1586.00	Kg				
h	Fence	293.79	Kg				
59	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	234.00	Kg				
60	Supply, laying and fixing of clear Multiwall Polycarbonate sheet with self tapping stainless steel screws and EPDM washer over the existing steel framework. The thickness of the sheet will be 10mm, with fine light transmitting rate >=85%. The sheet will be weather resistant with anti-UV weather treatment on the surface and should prevent the resin from fatigue and yellowing caused by UV. The edges of the sheet should be covered using polycarbonate U profile suitably fixed using transperant adhesive.	86.00	Sqm				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
61	Roofing Shingles Providing and laying of 2 layer self adhesive fibre glass composed laminated shingles as per the following procedure. 16mm fibre cement board is screwed to the existing steel structure. One coat of Oil based primer is applied to the cement board. The Cement board is covered with 3mm Polymer base Tar sheet and is torched to hold it in place. Self adhesive shingles are laid over the Tar sheet in the required pattern . The whole work should carry a warranty of 20 years or more. The pattern and colour of the shingles -will be as per the choice of the Architect / Engineer-incharge.	61.00	Sqm				
62	Construction of curtain wall with Terracota Jali Clay Brick of size 200x200x60mm. The weight of each brick should be not less than 2.5 kg. Colour and patter of bricks as per selection of Architect / Engineer-incharge	98.10	Sqm				
63	Supply and laying of 12 mm thickness Tempered Laminated glass above MS pergola with all necessary fixtures	25.20	sqm				
	SITE DEVELOPMENT WORKS						
64	Supplying and fixing M15 grade precast cement concrete Kerb stone of size 300 x 300 x 150 mm for Roadway, Sidewalls and gutters fixed with CM 1:3 fixed and finished in line as per direction of Engineer in charge. (The cost of PCC shall be paid extra)	80.00	m				
65	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.	288.00	Sqm				
66	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.	58.00	Sqm				
	RAIN WATER RECHARGE PIT						
67	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm , in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	1.50	m3				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
68	Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm , in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	1.00	m3				
69	Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer -incharge.	1.00	m3				
70	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality	3.00	each				
	EXTERNAL DRAINAGE WORKS						
71	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :	7.00	each				
72	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design:	7.00	each				
73	Extra for depth beyond 45 cm of brick masonry chamber :	2.00	m				
74	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.	1.00	Each				
75	Providing and laying Non Pressure NP-4 class (Heavy duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete (Pipe Culvert)	5.60	m				
	SUB TOTAL OF CIVIL WORKS (A)						

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
B	PLUMBING & SANITARY WORKS						
76	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :	2.00	Each				
77	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	6.00	Each				
78	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : 510x1040 mm bowl depth 225 mm	2.00	Each				
79	Supply of Table top wash basin Jaquar Continental series -Code - (JDS -WHT-25937) Size-500x380x120mm, Shape -Oval	6.00	Each				
80	Supply of wall hung basin with full pedestal fixing accessories, Jaquar Continental series -Code - (CNS -WHT-801) Size-560x415x200mm, (CNC-WHT-303)	1.00	Each				
81	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	1.00	Each				
82	Supply & Fixing Sink cock with regular swinging spout with flange chrome plated Jaquar make Continental series with 7 years warranty	2.00	Each				
83	Supply of pillar cock for wash basin vignette prime -Code - (VGP-CHR-81001)	6.00	Each				
84	Supply of 450mm Long braided hoses -Code - (ALD-CHR-805B)	8.00	Each				
85	Supply fixing of Waste coupling Jaquar make, Chrome finish with 7 years warranty	8.00	Each				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
86	Supply & Fixing soap dish Jaquar make Continental series, Chrome Finish with 7 years warranty	6.00	Each				
87	Supply & Fixing of Towel Ring Jaquar make Continental series, Chrome finish with 7 years warranty	7.00	Each				
88	Supply & Fixing Double coat hook Jaquar make Continental series, Chrome finish with 7 years warranty	8.00	Each				
89	Supply & Fixing of towel rail 24" Jaquar make Continental series, Chrome finish with 7 years warranty	6.00	Each				
90	Supply & Fixing of Bibcock cum Health Faucet with 1m long tube and wall hook of Jaquar Florentine(Quarter turn) series, Chrome Finish with 7 years warranty	6.00	Each				
91	Supply & Fixing of Angular stopcock with wall flange Jaquar Florentine(Quarter turn)series, Chrome finish with 7 years warranty	6.00	Each				
92	Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty	6.00	Each				
93	Supply & Fixing of Wall Mixer with provision for overhead shower and 115mm long bend pipe with wall flange Jaquar make Florentine(Quarter turn) series, Chrome finish with 7 years warranty	6.00	Each				
94	Supply & Fixing of Rose shower with revolving ball joint & 115mm long shower arm with 7 years warranty	6.00	Each				
95	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.(15 mm nominal bore)	2.00	Each				
96	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	6.00	Each				
97	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.15 mm nominal bore	4.00	Each				
98	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931	1.00	Each				
99	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe-32mm dia	3.00	Each				
100	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	7.00	Each				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
101	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work , including cutting chases and making good the walls etc.						
a	15 mm nominal dia Pipes	48.00	m				
b	25 mm nominal dia Pipes	6.00	m				
102	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.-Internal work - Exposed on wall						
a	25 mm nominal dia Pipes	151.20	m				
b	32 mm nominal dia Pipes	75.60	m				
103	Providing and placing on terrace (at all floor levels) polyethylene water storage tank , IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	4000.00	Li				
104	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 32 mm nominal bore	8.00	Each				
105	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete. PVC pipes of 10Kg/cm2						
a	63mm	30.00	m				
b	75mm	122.40	m				
c	110mm	48.00	m				
d	140mm	72.00	m				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
106	Providing and Fixing PVC Nahani trap of approved make conforming to ISI specifications (Rate is inclusive of cost of materilas and fixtures and conveyance of materials to work spot)	9.00	Each				
107	Providing and Fixing of SS floor drain trap of 150mm dia. And having min. thickness of 1.25 mm	9.00	Each				
108	SS Towel rail 600mm length - Economy	1.00	Each				
109	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 110 mm diameter	70.00	m				
	SUB TOTAL OF PLUMBING WORKS (B)						

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
C	ELECTRICAL WORKS						
110	METERING BOARD 3 PHASE: Supply,installation,testing and commissioning of cubicle floor mounting type, Main meter Board with suitable copper busbars, bottom and top entry cable chambers for incoming & outgoing cables, dust and vermin proof, fabricated with 16SWG CRCA sheet, powder coating / PU painted, hinged door with lock and rubber gasket and gland plate. 32 x 6mm Bus-bars of electrolytic quality copper with pvc heat shrinkable colour coded sleeves and supported with SMC/DMC insulator at adequate interval. The panel shall be provided with the following:- 3 NO OF 63A I/C Fuse carries With Netural link including of Hylam Sheet, 1 No of Multi-function 3 Ph Energy meter with LCD/LED display, CT input for LV/HV network and communication port, 1 no 63 A TPN FSU, 1 No of Netural Link and Dobule Side Panel Earthing, 10sq.mm Wire for all Services 1 set of phase indicating lamp with protection fuses, Nos 50/5A 10VA CL:1.0 CT for ammeter.	1.00	Set				
111	Supplying and fixing following way, horizontal type TPN DB , sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 6 way (4 + 18), Double door	1.00	Each				
112	Supplying and fixing following way, single pole and neutral (SPN) , sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 16 way , Double door	1.00	Each				
113	Supply of 63A, 4 Pole,100mA RCBO for overload, short-circuit and earth leakage protection.	1.00	Each				
114	Supplying and fixing following rating 6-32 A DP MCBs10KA C/D Curve ISI Mark. Makes: As per list of recommended brands as category I	1.00	Each				
115	Supplying and fixing following rating 40-63A DP MCBs10KA C/D Curve ISI Mark. Makes: As per list of recommended brands as category I -	2.00	Each				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
116	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA , "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	44.00	Each				
117	Supply and transportation of following XLPE insulated, 1100V grade armoured aluminum cable as per specification confirming to IS:7098 (Part - I)/1554-I Makes: As per list of recommended brands as category I.						
a	35Sq mm X 3.5 core	30.00	mtr				
b	6 Sq mm X 4 core	30.00	mtr				
118	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. Upto 35 sq. mm	60.00	mtr				
119	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3 x 4 sq. mm	5.00	mtr				
120	Supply of ISI marked, PVC insulated and sheathed FRLS/FRLS-H round copper cable for voltage up to 1100V as per IS 694/1990.Makes: As per list of recommended brands as category I						
a	3 Core, 2.5 Sq.mm	200.00	mtr				
b	4 core, 16 Sq mm	30.00	mtr				
121	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.						
a	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	332.00	mtr				
b	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	162.00	mtr				
122	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.						
a	Group A (Primary Point)	127.00	Point				
b	Group B (Secondary Point)	46.00	Point				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
123	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.						
a	1 or 2 Module (75mmX75mm)	20.00	Each				
b	3 Module (100mmX75mm)	10.00	Each				
c	4 Module (125mmX75mm)	6.00	Each				
d	6 Module (200mmX75mm)	5.00	Each				
e	8 Module (125mmX125mm)	20.00	Each				
124	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required. 2 Pair	10.00	mtr				
125	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.	60.00	mtr				
126	Supply of 3 Core 1.5 Sq mm ISI marked Flat Copper cable of ISI for Submersible Motors confirming to IS: 694:1990. Makes: As per list of recommended brands as category I.	10.00	mtr				
127	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.						
a	5/6 A switch	126.00	Each				
b	2 way 5/6 A switch	25.00	Each				
c	15/16 A switch	5.00	Each				
d	3 pin 5/6 A socket outlet	44.00	Each				
e	6 pin 15/16 A socket outlet	5.00	Each				
f	Telephone socket outlet	1.00	Each				
g	TV antenna socket outlet	6.00	Each				
h	Bell push	1.00	Each				
128	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	11.00	Each				
129	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	10.00	Each				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
130	Supply & Fixing of 48" (1200mm) Sweep 5 star rated BLDC (Brush less Direct Current) Ceiling Fan with double ball bearings, input voltage 230V AC converted to 24 V DC, power input not more than 30W, air delivery not less than 220 cubic meter/min and a minimum service value of 7.0, with remote and without Regulator. Makes: As per list of recommended brands.	11.00	No				
131	Supply of 9W/10W LED Mirror Light fitting with decorative grey end caps, polycarbonate body and opal acrylic diffuser etc. Makes: As per list of recommended brands.	12.00	No				
132	Supply and fixing of. 9W heavy duty LED Down lighter , suitable for Recessed mounting made of pressure diecast aluminum body with powder coating, acrylic diffuser with driver as per IS: 15885 (Part 2/ Sec 13) : 2012 , operating voltage of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<10% with high power LEDs, having System Efficacy of > 120 lumens / watt, CCT: 3000K - 5700K, minimum CRI > 70, Luminaire performance complies to IS 10322 (Part 5 / Sec-3) etc., complete with earth connection and not less than two years warranty. Makes: As per list of recommended brands as category I	30.00	No				
133	Supply of .7W. LED Bulb Lamp with input voltage 90 to 300V, Color temperature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base. Makes: As per list of recommended brands.	12.00	No				
134	Supply and fixing of. 6W LED Slim Panel Round /Square suitable for Recessed / Surface mounting made of diecast aluminum body with powder coating, acrylic diffuser with driver as per IS: 15885 (Part 2/ Sec 13) : 2012, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<10%, with high power LEDs, having System Efficacy of > 120 lumens /watt, CCT: 3000K - 5700K, minimum CRI>70, .etc., complete with earth connection and not less than two years warranty. Makes: As per list of recommended brands as category I.	24.00	No				
135	Providing and Installation of pendent light/ hanging light , with diecast/ extruded Aluminium Luminaire with Epoxy powder coated paint, highly polished and anodized aluminium reflector, die cast Aluminium ceiling mounted cup with Stainless steel suspension kit adjustable upto 1m, suitable for operating at 240v, 50Hz single phase supply, prewired with E27 holder and inclusive of LED bulb.	13.00	No				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
136	Supply and Transportation of 3W LED COB Spotlight suitable for Recessed mounting made of diecast aluminum body with powder coating, high efficiency reflector, with driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, surge protection: 2KV, THD<10% with high power LEDs, having System Efficacy of > 120 lumens/watt, CCT: 3000K - 5700K, minimum CRI>70, etc., complete with earth connection and not less than two years warranty. Makes: As per list of recommended brands as category I.	6.00	No				
137	Supplying & fixing-flexible LED Strip Light in 5ms length CCT 2800 degree K,CRI>70%. efficacy>80 lumen per W, life>25000 burning hours and Compliance to IS 10322/IEC60598, LM79 & LM80. The LED are driven by HF electronic driver non integrated, with PF>0.95, power loss should<5% of lamp Wage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM79. The operating input voltage should be between 130 to 275 V. BIS Approved with 2 years Warranty against any manufacturing defect working under standard electrical condition.	75.00	mtr				
138	Supply and fixing of 18-20W, not less than 1100mm length LED batten light with extruded aluminum housing and polycarbonate cover, input voltage AC 220 - 260 Volts, with high power LEDs, having System Efficacy of > 120 lumens/watt , PF>0.9, Surge protection: 2KV, THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, etc., complete with earth connection and not less than two years warranty. Makes: As per list of recommended brands as category I.(Tubelights)	11.00	No				
139	Supply of 10W LED Bulkhead fitting with Pressure die cast aluminum with opal diffuser with IP 65 protection etc., complete. Makes: As per list of recommended brands as category I.	10.00	No				
140	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1KV grade as required. -4 x 35 sqmm (32mm)	8.00	Each				
141	Supply and making end termination with heavy copper lugs (pin/ ring type) as per IS specification, duly crimped with crimping tool, PVC tape etc., of following size Makes: As per list of recommended brands. up to 16 Sq mm	16.00	Each				
142	Supply of 9" (225mm), Light duty exhaust fan with double ball bearing and wire guard etc complete. Makes: As per list of recommended brands.	8.00	No				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
143	Supply and Fixing of LED Bollard light fitting of.8W with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded poly carbonate/ clear glass material, delivering superior light out put Rated life Burning Hrs 50000hr @Lumen Maintenance of 70%, CCT>5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire>IK08. Power Factor>0.9 with mains, Surge Protection-Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Universal Voltage driver to operate wide voltage range from 100V to 270V50/60Hz application. Compliance to IS1 0322/ IEC60598, LM79 & LM80 Adherence with RoHS. UL approved MCPCB, with 2years Warranty against any manufacturing defect working under standard electrical condition. - 8W 1 m Height	15.00	No				
144	Supply, Transportation, erection and Commissioning of MNRE approved and confirming to IS 12933 P-1,2,3&5.., 250 LitreTube Collector type Solar Water heating System with temperature application of 60 degrees with Stain less steel - 304L grade inner tank with PUF Insulation and Aluminum Cladding for Outer Cover, suitable EPDM rubber pipe connection from Collector to Solar Tank with electrical Heating back up etc., with 3 years Guarantee for Solar system and additional 2 years warranty. Makes: As per list of recommended brands. 250 LPD	1.00	No				
145	Supply and Transportation of 1HP Single phase open well submersible motor pump set confirms to IS 14220 : 1994. Makes: As per list of recommended brands as category I.	1.00	No				
146	Supply of INVERTER Model Cool type split AC unit with high wall mounted Single Split indoor unit and outdoor condensing unit Hermetically sealed compressor suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing Heat cool dehumidifying air circulating and filtering with cooling and condensing units with 3 mts of copper piping, insulation kit and 4 mts of 4 core copper flexible chord with cordless remote control etc., dual barrier coating in order to protect coil form oxidation. 1.0 TR, 5 Star capable of delivering 12000 BTU/hr and above with operating on refrigerant R-32/ R-410A. Makes: As per list of recommended brands as category I.						
a	1.0 TR	4.00	No				
b	1.5 TR	2.00	No				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
147	Supply of 3.0 KVA 1-phase, automatic Electronic Voltage Stabilizer . Makes: As per list of recommended brands as category I.	6.00	No				
148	Providing 2 runs of Copper tubes for suction and liquid between indoor and outdoor unit for Split/Cassette Air- Conditioner including foaming etc., complete. Makes: As per list of recommended brands. 1/2" x 1/4"	30.00	mtr				
149	Supply, installation, and testing of UPVC Drain Piping with 6mm Nitrile Rubber class "O" Insulation covered with interwoven glass cloth protection. Necessary pipe fittings (including enlarger, bends, Tjoints etc) has to be considered to connect the UPVC drain pipe to cast iron floor trap. 25 mm dia	24.00	mtr				
150	Supply and Transportation of XLPE/PVC insulated & PVC sheathed unarmoured control cables of 1.1 KV grade with copper conductor as per IS 7098 Part-I - 1988 etc., complete. Makes: As per list of recommended brands. 2C x 2.5 sq.mm (electric control cable for AC)	18.00	mtr				
151	Supply, Fabrication of 1set MS bracket suitable for fixing outdoor unit of split AC unit.	6.00	Set				
152	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	1.00	Set				
153	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	10.00	mtr				
154	Supply & Installation of mono Crystalline half cut Solar PV Modules of 540Wp each, with 144 Mono PERC cells per module set in anodized Aluminium Alloy frame with 3.2mm low iron glass and tempered glass with ARC coating inclusive of 4sqmm cable and IP68 rated MC4 compatible connector and weather proof PPO junction box. The Panel manufacturer should be MNRE (Ministry of New & Renewable energy) approved and must be warranted for their output peak watt capacity, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years.Quoted price to be inclusive of transport, loading, unloading and labour, complete as per the instruction of the Engineer in charge.	10.00	Kwp				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
	The Modules shall be mounted on non-corrosive support structures towards due south and at a suitable inclination to maximize annual energy output. Support structure design and foundation or fixation mounting arrangements should withstand horizontal wind speed up to 150 km/ hr. Support structures shall be manufactured with steel angles & channels; spray galvanized to IS 1477 Part -1 with thickness of 80 microns as per IS 5905. All fasteners shall be of Stainless steel - SS 304.						
	A DCDB connected with Low smoke, flame retardent, Single Core multi strand tinned copper conductor Solar cable with halogen free insulation of size 4sq.mm. with max. operating voltage of 1500v Dc confirming to IEC 60228, Class 5. shall be provided in between PCU and Solar Array. The DCDB will have a combination of DC fuses, surge protection device (SPD), DC MCB / Isolator with MCR connectors satisfying IEC-61439-1 standards as mandated by MNRE and capable of operations upto 1000Vdc. The DCDB should be dust, vermin and weather proof polycarbonate enclosure to provide IP65 protection with PG plastic glands and suitable for entry and exit of suitable sized cable.						
	supply & Installation of 15KWp Grid Tie Inverter, 415V, 3-Phase, 50Hz output with max DC input of 19.5KW, 1000V and 13+26 A current. Maximum rated AC output of 15KW, 380-440V, 23.9A current. The maximum efficiency of the inverter should be 98.5% and MPPT efficiency of >99%. The Inverter should provide protection against - DC reverse polarity, AC short circuit, AC output over current, output over voltage and DC Type II / AC Type II surge protection. The inverter should have a LCD display with RS485/RS232/Wifi/LAN interface. It should conform to IEC-62109 - 1 and IEC 62109 -2 and MNRE approved. The quoted price should include transport and labour, complete as per the instruction of the Engineer in charge.						
	The other referred Technical specifications have been prescribed by MNRE shall have to be maintained accordingly. Any supplies which have not been specifically mentioned in this contract but which are necessary for the design, engineering, manufacture, supply & performance or completeness of the project shall be provided by the contractor without any extra cost and within the time schedule for efficient and smooth operation and maintenance of the SPV Plant.						

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
155	Supply installation Testing and commissioning of 10KVA, on line UPS system as per IEC 62040-I (Safety), IEC 62040-3 (Performance) for critical IT solutions, fully digital IGBT Converter and Inverter, SCR rectifier with Internal /External isolation transformer from DC to AC, PWM, pure sine wave output, double conversion, output pf 0.8, with paralleling facility, standard communication features/options auto and manual static by pass switch three phase input / Single phase output. acoustic level shall be less than 58dB at 1 mtr distance. Makes: As per list of recommended brands.	1.00	Each				
156	Supply and fixing of 12V, 200 AH SMF battery with 3 years warranty including wire leads, connections etc complete. Makes: As per list of recommended brands	6.00	Each				
157	Supply and providing of battery rack for 5 to 10 batteries (42 AH)	1.00	No				
	SUB TOTAL OF ELECTRICAL WORKS (C)						

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
D	INTERIOR WORKS						
158	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with						
	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	1045.56	Sft				
159	Providing and Fixing of premium quality MDF board to true ceiling as per the design. The MDF board thickness will be 12mm. MDF board finishing with primer and durable acrylic paint, for a flawless finish..etc complete as per design and the directions of engineer-in-charge	325.04	Sft				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
160	Providing and Fixing of premium quality MDF board to the gypsum ceiling as per the design. The MDF board thickness will be 12mm. MDF board finishing with primer and durable acrylic paint, for a flawless finish. Decorative design is cut from the board using a CNC router machine as per design.etc complete as the directions of engineer-in-charge	47.00	Sft				
161	Cot without Storage - Providing, Making and Fixing of Cot made of 19 mm plywood confirming to IS:303 grade of approved make, covered with 1 mm laminate of approved colour and shade for the exposed surfaces and 0.8mm laminate for the hidden surface along with back rest covered with cushion and leatherette. The edges will be covered with first quality teak wood beading finished with melamine polish, complete with all necessary hardware, fittings, etc. as per the design (quote excluding bed mattress)						
a	Size: 7'(L) x 5'(W) x 1'6" (H)	210.00	Sft				
b	Size: 6.5'(L) x 3'(W) x 1'6" (H)	97.50	Sft				
162	Side Table - Providing, Making and Fixing of free standing side table made with 19 mm plywood confirming to IS:303 grade of approved make, covered with 1 mm laminate for the exposed surfaces of approved colour and shade and 0.8mm laminate for the hidden surface. The edges will be covered with PVC edge banding of 0.8 mm for the top and side supports. One drawer supported on sliding steel channels and 3" chrome finish handle complete with all necessary hardware, fittings, etc. as per the design. Size of side table 1' 6" (L) x 1'6" (W) x 1'6" (H)	18.00	Sft				
163	Study Table - Providing, Making and placing of free standing study table made with 19 mm plywood confirming to IS:303 grade of approved make for sides, top and back covered with 1 mm laminate of approved colour and shade for all surfaces. The edges of the Plywood will be finished with PVC edge banding of matching colour, 1.2mm thk for the top and 0.8mm thk. for the sides and back support, complete with necessary hardware, fittings, etc. complete as per the design Size of study table 3' (L) x 1'6" (W) x 2'6" (H)	27.00	Sft				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
164	Wardrobe - Providing, Making & Fixing of double door wardrobe with required partitions made from 19 mm plywood for the frame, 12mm plywood for the back and 25mm blockboard for the shutters all confirming to IS:303 grade, finished with 1mm colour laminate for exposed surface and 0.8mm white laminate for hidden surface. The edges of 19mm plywood will be covered with PVC edge banding tape of approved colour and the edges fo blockboard will be covered with first quality teakwood beading finished with melamine polish. All complete with SS finsih box hinges, 12" chrome finish handles and necessary hardware and accessories etc. as per the design. Two of the wardrobes will be fitted with 6 lever brass lock with two set of keys. Size of Wardrobe 3' (L) x 1'9" (W) x 7' (H)	210.00	Sft				
165	T V Unit - Providing, Making & Fixing of T V Unit made of 19 mm plywood confirming to IS:303 grade covered with 1.0mm colour laminate of approved colour and shade. The edges will be covered with PVC edge banding of approved colour. 12mm glass ledge of size 24" x 6" supported with chrome finish F brackets complete with all necessary hardware and fixtures. Necessary cutouts for electrical and other cables should be provided as required. All complete with necessary hardware and fixtures as per the design. Size of T V unit 5' (L) x 3' (H)	90.00	Sft				
166	Dressing Unit - Providing, Making & Fixing of Dressing unit made of 19 mm plywood confirming to IS:303 grade, covered with 1.0mm colour laminate of approved colour and shade. The edges will be covered with PVC edge banding of approved colour. The ledge of size 2' x 6" made of 25mm blockboard covered with 1.0mm colour lainate and edges finished with first quality teakwood beading finished with melamine polish should be provided at the bottom. Good quality mirror, 5mm thick, of Saint Gobain or Modi Guard glass of size 5' x 2' to be fixed onto the plywood using clear adhesive. Cutouts for electrical wires to be provided as required. All complete with necessary hardware and fixtures as per the design.	80.00	Each				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
167	Reception Table - Providing, making and placing of free standing Reception table made with top made with a combination of 12mm clear glass and 25mm blockboard confirming to IS:710. The front and side supports along with decorative design on the facia will be made of 19 mm plywood confirming to IS:303 grade all covered with 1.00 mm colour laminate of approved colour and shade for exposed surfaces and 0.8mm laminate for hidden surfaces, along with two 4" drawers supported on sliding channels and 4" chrome finish handles complete with all necessary hardware, fittings, etc. as per the design. Size of Reception table 6' (L) x 2'6" (W) x 2'6" (H)	15.00	Sft				
168	Supply of 12 seater Dining table of size 10' x 4' . The supports will be fabricated from 19mm Plywood confirming to IS:303 and covered on both sides with colour laminate 1.0mm thick, joined together with a total thickness of 40mm as per design. The top will be 25mm BWP blockboard and edges upto 40mm, the top to be covered with colour laminate of 1mm. Supply of 12 dinning chairs made of wood finished with melamine polish, with seat and back with foam covered with good quality leatherette.	1.00	Set				
169	Supply of straight back chairs with armrest made of rubber wood with foam and Polyester fabric for seat and back.	9.00	Each				
170	Supply of fully upholstered 3 seater sofa crafted with moisture resistant and termite proof Pinewood base, covered with stain resistant cotton fabric, with Polyurethane foam of minimum 26 density for the back and minimum of 36 density foam for the seat with web suspension and @100mm ground clearance for through ground cleaning. Overall dimensions 180 x 76 x 63 cms with seat height of @ 42cms. The Sofa should carry a manufacturing warranty of 3years. The model, colour and shade of the sofa will be as per the architects approval.	2.00	Each				
171	Supply of fully upholstered single seater sofa crafted with moisture resistant and termite proof Pinewood base, covered with stain resistant cotton fabric over Polyurethane foam of a minimum of 26 density for the back and a minimum of 100mm thick and 36 density foam for the seat with web suspension. @100mm ground clearance for through ground cleaning. Overall dimensions 80 x 76 x 63 cms with seat height of @ 42cms. The Sofa should carry a manufacturing warranty of 3years. The model, colour and shade of the sofa will be as per the architects approval.	4.00	Each				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
172	Supply of upholstered Chaise Loungue crafted with seasoned Salwood / Meranti frame and legs of first quality teakwood, covered with stain resistant Velvet fabric over Polyurethane foam a minimum density of 40 KG/m3 and seat height of 42-44 cms. The overall dimensions of should be 150(L) x 72(D) x 77(H) cms capable of taking a load of 150kgs. The Chaise should carry a manufacturing warranty of 3years. The model, colour and shade of the chaise will be as per the architects approval.	6.00	Each				
173	Modular Kitchen cabinets - Providing and making of below counter Kitchen cabinets with partitions and frame made of 18 mm thick BWR Plywood confirming to IS:710 grade covered with 0.8mm white laminate as per design along with Tandem box (Kaff, Hettich, Godrej) pullout units operating of smooth and silent runners to store and organize utensils, cutlery, pots, pans, and other kitchen essentials. Corner unit with swing and pullout organizer. Pullout and Cabinet shutters made of 18mm thick BWR Plywood onfirming to IS:710 covered with 1mm colour laminate of approved colour and shade along with necessary autoclose hinges , handles and hardware complete as per design. (L-Shape Counter of 14' and Oven counter of 5').	38.00	Sft				
174	Modular Kitchen cabinets - Providing and making of above counter Kitchen Cabinets with 18mm thick BWR Plywood confirming to IS:710 grade covered with 1.00mm colour laminate for the exposed surfaces and 0.8mm laminate for the hidden surfaces. The cabinets will have 12mm glass shelves along with Aluminium powder coated Profile frame with 5/6mm frosted glass shutters complete with auto hinges etc with all necessary hardware.	24.00	Sft				
175	Chimney and Hob - Supply, installation and testing of and Fixing of Chimney as per the following specs.: width 90cm,glass and stainless steel (bright or black enamel coated body), high suction with baffle filter and auto clean technology, noise level less tha 60 db, soft touch controls and LED lights, complete with ducting, core cutting and exhaust pipeline. Hob top with toughened Glass body hob with four brass burners, cast iron supports, battery operated self ignition, with front control knobs. Pipeline of solid drawn copper tubes of outside diameter 10 /12 mm with wall thickness of 1mm, confirmong to IS:2501 upto a length of 15ft. leading to the outdoor of the kitchen, complete as per the selection of the archoitect.	1.00	Each				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
176	Supply stitching and Fixing of Curtains , of linen blend washable material with minimum of 220 GSM, stitched to size with eyelets and 4" folds along with 18 gauge chrome finish curtain rods/track, decorative curtain ends etc. The fabric, design, patter and colour will be as per the selection of the architect. The measurement and payment will be as per the size of the opening only.	816.00	Sft				
177	Supply Installation and Testing of 55inches LED television , 4K resolution standard, HDMI and Ethernet ports, with minimum of 20W speakers and remote for control.	6.00	Each				
178	Supply of Sleepyhead Flip - Dual Sided High Density Foam Mattress with Firm & Soft Sides, (Queen Size)	6.00	Each				
179	Supply of Lite Dual Comfort 5 Inch Mattress , Soft and Firm Sides to Provide Plush Feel on one Side and Support on Other, Single Size Superior PU Foam Mattress (Single Size)	5.00	Each				
180	Supply of Smart Adjustable Plush Pillow Super Soft & Fluffy with soft Micro fiber fill with Cotton shell.	20.00	Each				
181	Supply of 100% Cotton fabric bedsheet with minimum of 140 GSM, with premium Elastic fitted, Queen Size Bedsheet for Double Bed with 2 Pillow Covers,	12.00	Set				
182	Supply of Cotton Feel (Twill satin fabric) Bedsheets with minimum of 140 GSM Fabric, for Single Bed Elastic Fitted with 1 Pillow Cover,	10.00	Set				
183	Supply of Quilt / Comforter / Dohar with 100% Cotton shell and Recoron fibre filling of suitable size						
a	For Double Beds	10.00	Each				
b	For Single Beds	6.00	Each				
184	Supply and fixing of CRCA (metal) slotted angle storage rack with 16 gauge frame (MS Angles) and 6 shelves of 22 gauge, painted, including rubber shoes, tools, bolts nuts and accessories. Capacity: 100 kg / shelf with overall dimensions being 60 (L)x 45 (D) x 210 (H) cms.	1.00	Each				
185	Supply of Cylinder type SS dustbin of 9" dia x 18" ht	10.00	Each				
186	Outdoor Seating Set of 2 Chairs and 1 Table Set - Supply of non- breakable, Seating Chairs with frame made powder coated Steel frame and UV resistant, waterproof, synthetic fiber ratten woven base and backrest, size -46(W)X 49(D)X 79(H) cms and Table of powder coated Steel frame with safety glass top size- 61 (top size) X 56 (H) cms, as per the selection of architect.Capacity: 125kg each	6.00	Set				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
187	Supply of art work photographs printed on 300 GSM thick paper with high quality printer and vibrant colors along with plexi glass cover and fiber wood frame of size 12"X24" /13"X17" as per the selection of architect.	18.00	Each				
188	Supply of door mats from high absorant High-Quality Microfiber (2500 GSM) with anti-slip rubber bottom, as per the selection of architect.						
	size: 16"x24" 6mm thick	8.00	Each				
	size: 20"x32" 8mm thick	8.00	Each				
189	Supply of Entrance door mat from Natural Coco Coir with Anti-Slip PVC rubber bottom, as per the selection of architect.						
	size: 47"x 16" 6mm thick	1.00	Each				
190	Providing and fixing Aluminium Sheet of thickness: 1mm, 6063 grade, pasted to furniture like wardrobe, Kitchen Cabinets and wall cabinets only on the portions which touch the wall.	97.01	Kg				
	SUB TOTAL OF INTERIOR WORKS(D)						
E	HORTICULTURE WORK						
	Earth work						
191	Trenching in ordinary soil up to a depth of 60 cm including removal and stacking of serviceable materials and then disposing of surplus soil, by spreading and neatly levelling within a lead of 50 m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or / and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure). for hedge / creeper planting	49.50	Cum				
192	Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any, with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) .Holes 60 cm dia, and 60 cm deep	60.00	Each				
193	Supplying and stacking of good earth at site including royalty and carriage upto 5 km lead complete (earth measured in stacks will be reduced by 20% for payment).	117.37	Cum				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
194	Supplying and stacking at site dump manure from approved source, including carriage upto 5 km lead complete (manure measured in stacks will be reduced by 8% for payment) :	117.37	Cum				
195	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge	117.37	Cum				
196	Spreading of sludge, dump manure and/or good earth in required thickness as per direction of officer-in-charge (cost of sludge, dump manure and/ or good earth to be paid separately).	117.37	Cum				
197	Preparation of beds for hedging and shrubbery by excavating 60 cm deep and trenching the excavated base to a further depth of 30 cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20%: one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50 m, lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately)	49.50	Cum				
198	Providing and stacking of Phoenix sylvestris Roxb. (Wild date palm/khajur) of height 150-165 cm. in Big HDPE Bag as per direction of the officer-in-charge.	10.00	Each				
199	Providing and stacking of Tamarindus indica (Imli) of height 120-150 cm. in big polybags of size 25 cm as per direction of the officer-in-charge.	10.00	Each				
200	Providing and stacking of Terminalia arjuna of height 150-165 cm. in big polybags of size 25 cm as per direction of the officer-in-charge	10.00	Each				
201	Providing and stacking of Pithecellobium dulce (Jungle Jalebi) of height 120-150 cm. in Big HDPE Bag as per direction of the officer-in-charge.	10.00	Each				
202	Providing and stacking of Ficus religiosa (Peepal) of height 150-165 cm. in big poly bags of size 30 cm as per direction of the officer-in-charge.	10.00	Each				
203	Providing and stacking of Ficus panda of height 90-105 cm. with 10-12 branches and healthy foliage, well formed in cement pots of size 30 cm as per direction of the officer-in-charge.	10.00	Each				

Sl.No	Description of item of work	Qty	Unit	Rate in figures	Rate In Words	Amount in Figures	Amount in Words
204	Providing and stacking of Bougainvillea (Variety Butiana, Lady Mary Baring, Mahara, Mohan, Scarlet Queen, Variegated, Glabra Formosa, Peruviana Odissi, Paratha, Subhra, Thimma, Spectabilis L.N Birla, Refulgens) of height 30 cm. to 45 cm. with 2-3 branches in 20 cm size of Earthen pots / Plastic pots & as per direction of the officer-in-charge.	50.00	Each				
205	Providing and stacking of Duranta Golden , having ht.15 to 20 cm bushy shape with fresh and healthy leaves in 15 cm size of Earthen Pot/ Plastic Pot & as per direction of the officer-in-charge..	50.00	Each				
206	Providing and stacking of Spider Lilly , having ht.15 to 20 cm bushy shape with fresh and healthy leaves in 15 cm size of Earthen Pot/Plastic Pot & as per direction of the officer-in-charge..	25.00	Each				
207	Providing and stacking of Vernonia elaeagnifolia (curtain creeper) plant of height 30 cm to 45 cm. in 20 cm size of Earthen pots / Plastic pots & as per direction of the officer-in-charge.	50.00	Each				
208	Providing and Displaying Creeper Rose variety 3 to 4 healthy branch 60 cm and above ht. well developed with one and above flowers in 25 cm Earthen Pot, as per direction of the officer-in-charge.	10.00	Each				
209	Providing and laying Neelgiri/Mexican grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with tools wooden (Dhurmos) and than rolling the surface with light roller make the surface smoothen and light watering with sprinkler and maintenance for 30 days or more till the grass establish properly, as per direction of officer-in-charge.	140.00	Sqm				
	SUB TOTAL OF HORTICULTURE WORKS(E)						
	<u>SUMMARY</u>						
A	CIVIL WORKS						
B	PLUMBING AND SANITARY WORKS						
C	ELECTRICAL WORKS						
D	INTERIOR WORKS						
E	HORTICULTURE WORKS						
	TOTAL OF ALL SUB HEADS BEFORE GST						
	ADD GST 18 %						
	GRAND TOTAL INCLUDING GST						