

PRICE BID FOR CIVIL CONSTRUCTION, SITE DEVELOPMENT, PLUMBING & SANITARY WORKS OF SBI, BHANPURI DISTRICT BASTAR (C.G.) RBO-JAGDALPUR					
No	Description	Unit	Quantity	Estimated Cost	
				Rate (Rs)	Amount (Rs)
<b>A</b>	<b>CIVIL &amp; SITE DEVELOPMENT WORK</b>				
1	<b>Excavation</b> in all type of soil for all depth excluding hard rock using mechanically or manually and keeping excavated earth aside (except black cotton) for refilling and dewatering the pit if necessary after the foundation is done, including ramming, watering the pit and using the excess earth for levelling the ground, filling in plinth etc. spreading surplus material within the plot and carting away extra material out of site as directed at site. (Please note that black cotton soil will not be used for filling but shall be carried away by lift and lead as directed by local authority/ Architect).				
	(i) In all types of soil including hard murrum with boulders (Excluding Hard Rock) upto all depth.	Cum	235.00		
2	<b>Filling in plinth</b> and site with approved quality <b>murrum</b> brought from outside (at Contractor's cost) in layers not exceeding 20 cm thick including watering and compaction complete as directed.	Cum	900.00		
3	Providing and laying, Levelling Course <b>P.C.C. 1:2:4</b> (1 cement:2 coarse sand:4 graded aggregate) in plinth, coping, plinth protection etc including necessary shuttering, curing, vibrating, compacting etc, at all heights and locations. The P.C.C. may be casted in panels as desired by the Architect/ Consultant etc complete.				
	(i) In Plinth under Floor	Cum	55.00		
	(ii) In Coping, Plinth protection etc.				
4	Providing and laying, Levelling Course <b>P.C.C 1:3:6</b> in foundation etc including necessary shuttering, curing, vibrating, compacting etc, at all heights and locations. The P.C.C. may be casted in panels as desired by the Architect/ Consultant etc complete.				

	Base of Footings & Septic Tank	Cum	16.00		
5	Providing and laying cast <b>in-situ concrete</b> of <b>M20 grade</b> (1 Cement:1.5 sand:3 graded aggregate) in Columns, Beams, Slab, lintles, staircase waist slab, canopies, encasing steel structure, chajjas, bands, purdies (staircase & chajjas drop purdies), fins, coping etc, at all heights including necessary shuttering, centring, decking, support etc. at all heights and locations casting arrangement, vibrating, compacting and curing complete in all respect.				
	(A) RCC in Footing	Cum	38.00		
	(B) RCC in Column at all height and level.	Cum	25.00		
	(C) RCC in Beam at all height	Cum	45.00		
	(D) RCC in slabs at all Height	Cum	32.00		
	(E) RCC in Lintel and Chajja at all height	Cum	7.00		
	(F) RCC Septic Tank	Cum	2.00		
6	Providing and laying cast <b>in-situ concrete</b> of <b>M40 grade</b> (Design mix-5800psi) in Cash/Locker room walls, Columns, Beams, Slab etc. at all height including necessary centering, shuttering, support, decking etc, at all heights and locations casting arrangement, viberating and compacting, curing etc complete.				
	<b>RCC - Locker Room &amp; Cash Room</b>	Cum	38.00		
7	Providing and laying best quality <b>TMT Bar</b> reinforcement (Fe-500 grade) of TATA, Jindal, Goel or equivalent make including transportation, cutting, bending, fixing at all heights and in all positions, providing concrete covers as required etc complete.				
	(A) Upto Plinth	MT	7.00		
	(B) In Superstructure (at all level &Height)	MT	15.50		

8	Providing and laying <b>230 mm brick wall</b> with well burnt uniform colour/size locally available approved quality bricks, crushing strength 20 kg/sqcm and water absorption not more than 20%, joining them together with sand cement joints 1cement:5 coarse sand of thickness not less than 12 mm thk, including curing, scaffolding, raking the joints at all levels complete. The rate includes cost of scaffolding, platform etc required to carry out the work.				
	(A) In Plinth	Cum	33.00		
	(B) In Superstructure	Cum	130.00		
9	Providing and laying <b>115 mm th brick wall</b> with well burnt uniform size and colour, bricks in cement mortar 1cement: 4 coarse sand min 12mm th including scaffolding, decking, raking the joints and providing 4' thick RCC stiffeners (runner beam) using 2 Nos 6 mm dia bars incased in CC 1cement:2sand:4agg at approx every 1.0 m ht interval, curing, cleaning complete.	Sqm	70.00		
10	Providing and laying <b>external sand cement plaster</b> 20 mm th in two coats at all heights with first coat to be of approx 12mm th in CM 1:5 sand (fine) cement mix, and the second coat to of approx 6 mm th in CM 1:4 sand (fine) cement mix, including necessary shuttering, scaffolding, curing and roughening the first coat to receive second coat of plaster etc providing approved water proofing compound approx 1 kg to one bag of cement and fixing chicken mesh concrete brick joints to prevent shrinkage etc complete.	Sqm	850.00		
11	Providing and laying <b>internal sand cement plaster</b> av 12/15 mm thk in CM 1:5 sand (fine) cement mix on walls including necessary shuttering, scaffolding, curing etc. polypropylene fibre of approved quality in desired quantity per bag of cement as per manufacturers specifications complete.	Sqm	650.00		

12	Providing and laying av. <b>6mm thk CM 1:5</b> sand (fine) cement plaster on <b>ceiling</b> including necessary scaffolding, curing etc. complete.	Sqm	270.00		
13	Providing and laying <b>sand cement plaster</b> av 12/15 mm thk in CM 1:5 sand (fine) cement mix on walls including necessary shuttering, scaffolding, curing etc. and finishing with a punning of neat cement desired quantity per bag of cement as per manufacturers specifications complete.	sqm	200.00		
14	Providing and laying <b>Double charged Vitrified tiles</b> of approximate size <b>600 x 600 mm</b> of approved make and colour, fixing the same in 1:6 cement sand mix, uniformly in line and level in approved design and filling the joints with white cement (with coloured pigment) curing the joints etc complete. Rate to include use of approved spacers in tile flooring wherever directed at site. <b>Basic Rate - Rs. 65/- Sft.</b> (Johnson, Nitco, Simpolo make)	Sqm	200.00		
15	Providing and laying <b>Double charged vitrified tile skirting 100 mm</b> high in vitrified tile of approved colour and make in 1:4 sand (fine) cement mix in level with the wall plaster complete. <b>Basic Rate - Rs. 65/- Sft.</b> (Johnson, Nitco, Simpolo make)	Rmt	80.00		
16	Providing and laying <b>GRANITE</b> of approved colour and of average thickness 18 mm thk in flooring in line or level or to slope as directed over 1:4 cement sand (fine) mix including mirror polishing, curing etc. as directed and filling the joints with grey cement complete.	Sqm	40.00		
17	Providing and laying one piece Green Marble of required length in <b>staircase tread</b> (approximate 300 mm wide) & <b>risers</b> (approximate 150 mm high) of thickness not less than 18 mm thk and fixing in 1:4 cement sand (fine) mix, providing 3mm deep 3 grooves in treads, including mirror polishing and rounding of edges complete.	Sqm	16.00		

<b>18</b>	Providing and fixing in position <b>kotah stone</b> base and vertical support with <b>Green Marble</b> fixed on the top and sides for Kitchen Platform, Wash Basin counter, Urinal Partitions etc of approximate width 600 mm and thickness not less than 18 mm. The vertical supports to be provided with two sandwiched stone slabs joined together with Araldite or any other approved adhesive and fixed with cement sand mix 1:2 including necessary jhiri cutting etc. complete.	Sqm	2.50		
<b>19</b>	Providing and fixing <b>Green Marble</b> (Baroda Green) of approximate width 270 mm on sides of Windows & Doors in stepped form for windows of thickness not less than 18mm, fixing the same with cement sand (fine) mix 1:4, and rounding of edges, pre mirror polished etc complete.	Sqm	30.00		
<b>20</b>	Providing and laying <b>glazed Ceramic Tiles</b> of approximate size 300 x 600 or 300x 450 mm in <b>dado/walls</b> , and fixing the same on plastered surface, with neat cement float in proper line or level, including filling the joints with matching pigmented white cement and cleaning it with dilute acid complete. <b>Basic Rate - Rs. 60/- Sft.</b>				
	Kajaria, Johnson, Simpolo	Sqm	35.00		
<b>21</b>	Providing and laying <b>anti skid ceramic tiles</b> in flooring of approximate size 300 x 300 mm with 1:4 cement sand mix, in slope or as directed including filling the joints with white cement (colour pigment to be added in case of coloured tiles) and cleaning the same with dilute acid complete.				
	<b>Basic Rate - Rs. 45/- Sft.</b> Kajaria, Johnson, Simpolo make	Sqm	5.00		
<b>22</b>	<b>Paver Block Works :</b>	Sqmt	150.00		
	Providing and laying factory made coloured chamfered edge interlocking Cement Concrete paver blocks (min. 60 mm thk) 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 fine sand, compacting and proper embedding/laying of interlocking 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 in common areas such as lawn etc. complete as per manufacturer's specifications & direction of Engineer-in-Charge. 60mm thick C.C. paver block of M-35 grade with approved colour, design & pattern.				
<b>23</b>	Providing and fixing precast grey cement RCC 600x400x100 kerb stone conforming to IS:5758-1984 for outdoor pavement as approved by the project Engineer as directed.	nos	100.00		
<b>24</b>	Providing and filling of pervious granular material consisting of layer of graded gravel, coarse sand and fine sand to provide a medium of filter as per drawing as directed by the Engineer incharge.	cum	10.00		
<b>25</b>	<b>Providing and placing in position aluminum sliding windows</b> of heavy duty aluminum sections anodised of approved colour thickness not than 12 microns including screws, transparent glass of approx thickness 6-8 mm fixed in position with PVC gasket water tight, window bottom section will have rollers for smooth movement, including locks etc complete.				
	25 mm Series - 3 track				
	a) Frame with gutter bottom weighing not less than 1.619 kg/m				
	b) Frame top and sides weighing not less than 1.005 kg/m				
	c) Shutter to & side weighing not less than 0.53 kg/m				
	d) Interlock shutter weighing not less than 0.683 kg/m				
	e) Shutter bottom weighing not less than 0.678 kg/m (Jindal, Hindalco make)	Sqm	20.00		

26	Providing and fixing approved quality of adjustable, lockable <b>louvered ventilators in aluminum sections</b> fixed on aluminum sub frame of approx weight 0.43 kg/m, including fixing aluminum angle 20 x 20mm fixed on bottom rail, providing approx 8mm thk opaque 'bajri glass' with edges rounded of width not less than 100mm all aluminum sections are to be anodised of approved colour not less than 13 microns complete. (Lindal, Hindalco make)	Sqm	1.60		
27	Providing, fabricating and fixing in position <b>MS grill</b> Windows, Ventilators, Hand Railing, drain grating etc. of approved design made out of MS flats, squares bars, round bars, angles, tees etc. and anchoring it in walls with bolts, making manhole covers for u/g tank etc. including two coats of enamel paint over a coat of Zinc Oxide steel primer complete	Kg	1500		
28	Providing and fixing in position <b>Flush Door Shutters on wooden door frame</b> using approved quality seasoned Sal or equivalent approved wood made in design, shape size as per drawing. The over all sectional size of frame shall be 125 x 75mm with horns 75 mm beyond frame including fixing in position with 6 nos. aluminium holdfasts anchored in 1:2:4 cement concrete of approximate size 200 x 200 x 150mm, making arrangement for fixing aldrop, tower bolts, slip way (tadi) in the frame. The frame is finished with two or more coat of french polish after preparing surface complete. The door shutter shall be 35mm th approved quality and make MR Grade Flush Door provided 6/8mm thick TW lipping on all edges. The door shall be finished internally & externally with 1.00 mm thk laminate in desired shades in design as approved. Each door shutter will be provided with 125X30 mm 4 Nos MS oxidised butt hinges, tower bolts, SS handle with 300 mm long SS Aldrop, door stopper etc complete. (Godrej, Royal Touch, Merino, Archidply)	Sqm	19.00		

29	<p>Providing and fixing in position <b>Flush Door Shutters</b> on wooden door frames using approved quality seasoned Sal or equivalent approved wood made in design, shape and profile size as per drawing. The over all sectional size of frame shall be about 125 x 75 mm fixed in position with 6 nos. Aluminium holdfasts anchored in 1:2:4 cement concrete of approximate size 200 x 200 x 150mm, providing and fixing M.S. tie rod/ flat at the base of the frame, making arrangements for fixing aldrop, tower bolts, slip way (tadi) in the frame. The frame is finished with two or more coat of french polish before preparing surface. (Godrej, Royal Touch, Merino, Archidply)</p>				
	<p>The door shutter shall be 35 mm thk approved quality and make MR Grade Flush Door provided 6/8mm thick TW lipping on all edges and <b>8mm thick glass viewing pane</b> of approx 0.30 sqm fixed with TW beading as per approved design given by Architect. The edges will have wooden moulding polished in desired coat of french polish or enamel painted. The door shall be finished internally &amp; externally with 1.00 mm thk laminate in approved patten and design.</p>				
	<p>Each door shutter will be provided with 125X30 mm 4 Nos SS oxidised butt hinges, tower bolts, SS handle with 300 mm long SS Aldrop, door stopper etc complete. (Sainte Gobain, Modi Guard, Asahi make)</p>	Sqm	3.00		
30	<p><b>Main door</b> - double shutter panelled door with <b>Aluminium</b> frame having fixed glazing as mentioned below, 12mm thk toughened glass panels fixed in aluminium sections 1.72 kg/mt with 3 nos. Aluminium hinges, handles, aldrop, door stopper and tower bolts etc..</p>				
	<p>a) Aluminum section weighing approx 2.20kg/m, for frame verticals</p>				
	<p>b) Aluminum section weighing approx 2.06 kg/m for frame head</p>				



	c) Aluminum section weighing approx 1.76 kg/m for shutter vertical				
	d) Aluminum section weighing approx 1.72 kg/m for shutter top & bottom				
	e) Aluminim section weighing approx 0.612 kg/m for vertical interlink (Jindal, Hindalco)	Sqm	5.00		
<b>31</b>	Providing and fixing in position water proof, solid <b>FRP Doors</b> of approved quality and design of approx size 750 x 2010 mm x not less than 35mm thk, including providing S.S. baby latch two nos and SS 100 mm long handles complete.	Sqm	2.00		
	Godrej, Metafab, Royal Touch, M.R. Door				
<b>32</b>	Providing and applying weather coat <b>External grade Acrylic Emulsion paint</b> of approved make and shade in desired pattern, including preparation of surface applying cement based primer and filling the gaps with water proof material and applying two or more coats of paint to the satisfaction of Architects/Clients complete. Nerolac, Asian, Berger paint.	Sqm	420.00		
<b>33</b>	Providing and applying <b>Acrylic Emulsion Plastic Paint</b> for Internal area of approved shade and make in approved pattern including preparation of surface by applying <b>Birla putty</b> to have the surface in line and level, applying two or more coats paint over a coat of primer to the satisfaction of Architect / Client complete.	Sqm	890.00		
	Nerolac, Asian Paint, Berger				
<b>34</b>	Providing and applying approved quality and shade <b>Enamel Paint</b> to wooden door frames, MS railing, grill, collapsible channel gate or as advised by Client/ Architect including cleaning the surface to free loose scales etc. and then applying a coat of steel primer and two or more coats of enamel paint complete.	Sqm	100.00		
	Nerolac, Asian Paint, Berger				
<b>35</b>	<b>ACP Panelling Works :</b>	Sqm	345		

	<p>ACP Panelling in ATM room &amp; exteriors and Shutter boxing with trap door : Providing and fixing in position Aluminium Composite Panel (ACP) on wall, boxing, shutter panelling with framing of M.S. Tube sections of min. 50 mm x 25 mm and 16 gauge, ( or Aluminium tubular section of same sectional dimensions if required) of good quality, fixed/fabricated @ 600 mm c/c or less as per site requirement or members recommended by the manufacturer and in accordance with the specifications and recommendations of the manufacturer. The structure shall be fitted in place on walls/ beams/columns/ceilings/ MS fabricated structures etc. as instructed using recommended fixing method, with 3M or equivalent adhesive and with mirror screws, joints to be finished with silicon based sealant, etc. complete contd..</p>				
	<p>..contd ACP to be in 600 mm width panels or distributed equally. It shall be of thickness of 3 mm minimum. (Make: Alubond / Eurobond / Fuji bond) to be used. Bright silver / shade to be as per Bank's approval. Additional sections to be provided to fix the indoor AC units. The AC units to be installed near the machine area at the highest position. Shutter trap door will be of 12 mm thick exterior grade MR commercial plywood finished with ACP. The cost shall include all scaffoldings, chase making, lifting, cutting, on site adjustments, plaster repairing, etc.</p>				
36	<p>Providing and laying integral cement based <b>water proofing treatment</b> including preparation of surface as required for treatment of roofs, balconies, terraces etc. consisting of the following operations:</p>				
	<p>a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with approved water proofing compound conforming to Is 2645 and approved by Architect/ Client over RCC slab including adjoining walls upto 300 mm height including cleaning of surface before treatment.</p>				

b) Laying brick bats with mortar using broken bricks/ brick bats 25 to 115 mm size with 50% of cement mortar 1:5 ( 1 cement: 5 coarse sand) admixed with approved quality water proofing compound confirming to IS: 2645 and approved by Architect / Client over 20 mm thick layer of cement mortar of mix (1 cement: 5 coarse sand) admixed with approved water proofing compound confirming to IS 2645 and approved by Architect/ Client to required slope and treating similarly the adjoining walls up to 300mm height including rounding of junction of wall and slab.				
c) after two days of proper curing apply second coat of cement slurry using 2.75 kg/sqm of cement admixed approved water proofing compound confirming to IS 2645 and approved by Architect/ Client.				
d) Finishing the surface with 20mm thick jointless cement mortar of 1:4 (1 cement: 4 coarse sand) admixed with approved waterproofing compound confirming to IS 2645 and approved by Architect/ Client.				
Rate including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel neat cement slurry not less than 10mm and placing broken china mosaic pieces in level complete				
e) The whole terrace/ balcony etc so finished shall be filled with water for a minimum period of two weeks for curing and final testing.				
Average thickness of 150 mm and minimum thickness at rain water out let not less than 65 mm	Sqm	240		
Measurement will include watta.				
Note :- 5 year warranty to be obtained for water proofing treatment				

37	Providing and installing mechanical device chain and crank operated <b>Rolling Shutters</b> (conforming to IS:6248-1979) of approved make, made of of 80 x 1.25 mm M.S. laths with 1.25 mm thick top cover interlocked together through their entire length and jointed together at end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and out side locking with push and pull operation complete including the cost of providing and fixing necessary approx 28 cm long wire springs grade No2 and MS Top cover of 1.5 mm th for rolling shutter including applying two or more coats of approved quality and shade enamel paint from inside and out side, over a coat of steel primer complete	Sqm	13		
38	Providing and fixing in position collapsible steel gate with vertical channel 20x45x3mm and braced with flat iron diagonals 20x5mm size with top and bottom rail of T iron 40x40x6 mm with 40 mm dia steel pulley complete with nuts bolts, rivets, locking arrangement, stopers, handle including a priming coat of red oxide lead paint with enamel paint in 2 coats above it.	sqm	7.00		
39	Providing and fixing <b>stainless steel</b> (Grade 304) railing for staircase made of Hollow tubes, plates, vertical member, tie member as per requirement 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 the length of railing shall be considered including all accessories)	Rmt	15.00		

<b>40</b>	Providing and fixing as per relevant IS code of practice MS pipe B class truss/purlin along with J bolts, cleats, washers, fabricating and erecting in position complete including oil paint ( <b>Parking Shed</b> )				
<b>a</b>	Fabricating, erecting & fixing complete				
	Pipe truss & purlin, base plate etc.	kg	810.00		
<b>b</b>	Fixing of colour coated roofing profile sheet 0.45mm TCT Standard thickness leak proof, 550 mpa yeild strenght of trapezoidal, sinusoidal type of JSW, TATA, Hindalco make with Profile crown with necessary fixtures as required. The rate includes all machine, equipments, tools, scaffolding required to do the job.	sqm	53.00		
<b>41</b>	Providing an <b>Anti-termite treatment</b> to Foundation and Plinth				
	Carrying out pre-construction anti-termite treatment as stipulated in the relevant Indian Standard Specification latest edition at appropriate stages and as specified and directed. The rate quoted shall be for complete item,inclusive of cost of all material & labour required for the work				
	For RCC Frame structure:				
	(a) Soil which is immediate contact with vertical surface of RCC foundation,columns below GL, plinth beams shall be treated at the rate of 5l/sqm of contact area.				
	(b)Treatment of top surface of plinth filling: The top surface of consolidated earth within plinth wall shall be treated with chemical emulsion at the rate of 5 l/sqm of the surface before the rubble soling is laid.				
	(c) Treatment of soil along external perimeter of Building: After the building is completed,earth along the external perimeter of the building should be eroded and soil to be treated with chemical emulsion at the rate of 7.5 l/sqm.	Sqm	540.00		
	Note :- Warranty to be obtained for Anti termite proofing treatment				
	<b>Total of Civil &amp; Site Development work (A)</b>			<b>Rs.</b>	

<b>B SANITARY &amp; PLUMBING WORKS</b>					
<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	<b>Sanitary &amp; Plumbing Works :</b>				
1.1	<b>Providing and fixing in position first quality white make Orissa Pan WC</b> of make: Hindware/Parryware/Jaguar strictly upon approval with P/S trap, and making connections of W.C. with other accessories such as flush valve inlet, outlet, anti syphonic pipe etc. (if required) complete including making chases and holes in floors and walls and repairing the same with cement mortar (1:3) plastering, tiling etc. to the Engineer's/Architect satisfaction.	Nos.	1.00		
1.2	<b>Providing and fixing in position first quality white make Wall Mounted European WC</b> Hindware/ Parryware/ Jaquar strictly upon approval with P trap, High Quality brackets as required and as integral part removing the existing pan (broken) and/or making connections of W.C. with other accessories such as flush valve inlet, outlet, anti syphonic pipe etc. (if required) complete including making chases and holes in floors and walls and repairing the same with cement mortar (1:3) plastering, tiling etc. complete.	Nos.	1.00		
1.3	Providing and fixing in position <b>Flush Valve Dual Flush Concealed Body Type</b> Hindware / Parryware / Jaguar make upon approval with all WCs complete including all required connections and settings for proper functioning to the Engineer's satisfaction.	Nos.	2.00		
1.4	<b>Flush Cisterns:</b> Providing & fixing flushing cisterns of Parryware/Hindware/Jaguar make preferably sleek model dual flush, min. 7 litre Capacity along with connector. pipe, patch work tiling, cementing, plumbing works, including all required connections for proper functioning to the Engineer's satisfaction complete.	Nos.	2.00		

1.5	Providing and fixing in position first quality white <b>make Gents Urinal Flow</b> Hindware/ Parryware/ Jaguar make as approved and	Nos.	2.00		
	making all connections of urinal with other accessories such as flush pipe, outlet etc. including making chases and holes in floors and walls and repairing the same with cement mortar (1:3) plastering etc. to original condition and painting of fittings etc. complete.				
1.6	<b>Providing and fixing premium quality white vitreous china below counter Wash Hand Basin</b> of Hindware / Jaguar / Parryware fixed over jet black granite counter including edge moulding, CP Brass bottle Trap (Parko or equivalent approve), 32mm dia Waste Coupling (Parko/Plumber/Jaguar), Auto closing Pillar Cock (Jaguar Cat No. PRS-031), including PVC connection etc. complete.	Nos.	1.00		
1.7	<b>WASH BASIN</b> : Providing and fixing white vitreous wash basin with pedestal of Hindware / Parryware make with CI brackets, 15 mm heavy pillar cock, 32mm cp brass coupling, waste pipe etc. The rate should include all fittings jointing material, labour and making connection with the existing line complete.	No.	1.00		
2	<b>Plumbing Works :</b>				
2.1	Providing and fixing in position <b>Angular Stop Cock with Wall Flange Jaguar/ Parryware/Hindware</b> as per approval complete including all required connections and settings for proper functioning to the Engineer's satisfaction.	Nos.	7.00		
2.2	<b>Providing &amp; fixing CP finish two way Bib cock with wall flange of Jaquar/ Parryware Hindware with Hand Shower (Hand Faucet)</b> (ABS Chrome plated) with 8mm dia 1M long flexible tube and wall hook (Cat. No. ALD 573) or equivalent upon approval make and design as per approval including fixing, connecting and including all materials, teflon tape, cp nipple, cover plate with testing etc. complete	Set	2.00		

2.3	<b>Providing &amp; Fixing CP finish Pillar cock long body bib cock</b> of Jaquar / Parryware / Hindware make of design as approved including fixing and connecting with all materials, teflon tape, cp nipples, cover	Nos.	4.00		
	plates with testing etc. complete.				
2.4	<b>Providing and fixing sets of Bathroom Accessories of reputed brand and matching designs with concealed/ hidden screws strictly upon approval by engineer-in-charge.</b> The cost shall include proper and careful fixing of all sets with Galvanised countersunk screws and nylon gattis as required without damaging existing pipelines, conduits, cables, wires, switchboards or any such item concealed inside wall below the tiles. The fixing must be in proper level and at places as directed by the engineer-in-charge.				
(a)	S.S. Soap Dish Wall Mounted single dish	Nos.	2.00		
(b)	S.S. Clothes Hook with 5 hooks on one plate	Nos.	2.00		
3	<b>Providing and fixing in position 15mm Class 'B' CPVC pipe</b> of approved ISI branded complete with fittings Tees, Bends etc, except controls such as cocks and valves fitted and fixed to the walls with G.I. Approved clamps or buried underground including making necessary chases and holes in walls and floors or trenching etc. complete with making good or refilling including painting of pipes if required. Make: Prince, Supreme & Astral	Rmt	20.00		
4	<b>Providing and fixing in position 20mm Class 'B' CPVC pipe</b> of approved ISI make complete with fittings, Tee, Bend etc. except control such as cock, valves fitted and fixed to the walls with GI approved clamps or buried under ground including making necessary chases and holes in walls and floors or trenching etc. complete with making good or refilling including painting of pipes if required Make: Prince, Supreme & Astral	Rmt	15.00		



5	<b>Providing and fixing in position 25mm Class 'B' CPVC pipe</b> of approved ISI branded complete with fittings, Tees, Bends etc. except controls such as cocks and valves fitted and fixed to the walls with G.I. Approved clamps or buried under ground including making necessary chases and holes in walls and floors or trenching etc. complete	Rmt	15.00		
	complete with making good or refilling including painting of pipes if required Make: Prince, Supreme & Astral				
6	Providing and fixing brass/ gun metal <b>high pressure full way or gate valves</b> with MS handle head complete with fitting, teflon tape, testing etc.	No.	2.00		
7	<b>Providing and fixing 75 mm PVC pipes</b> for soil waste/rain water / drainage disposal of best quality Kisan, Premium, Supreme, Prince make jointing with rubber ring, adhesive solvent cement with PVC clips, bends, joints, bends, joints, bends	Rmt	10.00		
	with doors etc. fittings as per site requirement with testing etc. complete.				
8	<b>Providing and fixing 100 mm PVC pipes for soil waste/rain water/drainage disposal</b> of superior Indian make such as Kisan, Premium, Supreme, Prince or Kasta i/c jointing with rubber ring, adhesive lubricant solvent cement with PVC clips bends, joints, bends with doors, etc. fittings as per site requirement with testing etc. complete.	Rmt	10.00		
9	Providing and fixing <b>150 mm PVC pipes for soil waste/rain water/drainage disposal</b> of superior Indian make such as Kisan, Premium, Supreme, Prince or Kasta i/c jointing with rubber ring, adhesive lubricant solvent cement with PVC clips bends, joints, bends with doors, etc. fittings as per site requirement with testing etc. complete	Rmt	90.00		
10	Providing and fixing UPVC moulded fittings /accessories for rigid PVC pipes conforming to IS:13592 jointing and sealing with seal ring leaving tolerance for expansion.				
i	Tee	nos	10		
ii	Bend 45 degree	nos	10		
iii	Bend 90 degree	nos	12		

iv	Plus bend with door cap	nos	5		
v	MS clamp with screw and nut/bolt	nos	60		
11	Providing and fixing <b>stainless steel jali (grating)</b> with or without hole for waste pipe for floor/Nahani trap inner lining in SS.	Nos.	6.00		
12	Providing and fixing <b>PVC waste pipe</b> for wash basin and kitchen sink including PVC waste fittings complete.	Nos.	3.00		
13	Providing and fixing 15mm dia <b>Swan type CP Bib cock</b> of Jaguar make for pantry / Kitchen sink	Nos.	1.00		
14	<b>Providing and fixing Mirror of make modiguard/saint gobain</b> etc or equivalent of height 1220 mm complete with flat polished edges, fitted on site on 12 mm ply base, base having wooden lipping border and finished with laminate if instructed. The mirror shall be either pasted on the ply with silicon adhesive or fitted with stud-head screws with air gap in between (minimum 6 nos average per location) or both as per approval complete to the Engineer's satisfaction.	Sqmt	1.00		
15	Providing and placing on terrace polyethylene double walled water storage tank ISI:12701 marked with cover, suitable locking arrangement, making necessary holes for inlet/outlet and over flow pipes but without base support for tank.	litre	1000.00		
16	Constructing brick masonry manhole in CM 1:4 RCC top slab with 1:2:4 mix foundation concrete 1:4:8, 40 mm nominal size aggregate, inside plastering 12 mm thick with floating coat of neat cement and making channels in cement concrete 1:2:4, 20mm nominal size aggregate finished with a floating coat of neat cement complete as per the standard design 1) Inside size 90x80 cm and 60 cm deep including CI cover with frame (light duty) 455x610 mm internal dim total weight of the cover and frame to be not less than 38 kg (Wt of cover-23 kg, wt of frame - 15 kg) 1) With bricks of crushing strength not less than 40 kg/sqcm and water absorption not more than 15%.	Nos	1.00		

17	Man holes as above but of size 450mmx450mm	Nos	2.00		
18	<b>Total of Plumbing &amp; Sanitary works (B)</b>			<b>Rs.</b>	
19	<b>TOTAL Estimated cost of the project (Civil Construction, Site Development, Plumbing &amp; Sanitary works) i.e. (A+B)</b>			<b>Rs.</b>	
	Note:- GST will be paid additionally as applicable on work contract				