

PROPOSED CIVIL WORK FOR MADED BRANCH UNDER JAGDALPUR RBO

Civil Renovation Works :				
1	Mechanically Mixed Reinforced Cement Concrete (RCC)			
	Providing and laying in position mechanically mixed Reinforced Cement Concrete (RCC) of 1:1 1/2:3 using 20 mm and downgrade metal at all levels upto plinth level for various RCC structural elements in any shape and design as per structural drawings and as directed including transporting (manually / mechanically), laying, compacting and finishing the surface in line, level and plumb as required and cost of curing etc. complete. The Rate to include necessary formwork, centring, shuttering, complete in all respects and execution of work at all heights and location with required lead and lifts complete as directed by Engineer in charge.	6	Cum	
2	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth			
	Thermo-Mechanically Treated bars of grade Fe-500/415 or more. 105 kg per cumec	630	Kg	
3	Brick Masonry			
	Providing and constructing Brick masonry walls in Superstructure using locally available approved quality Bricks, well (Kiln/Chimney) burnt, uniform size and colour having average crushing strength not less than 50 kg/cm ² for walls, shaft walls, parapets, drains, manholes, trenches etc. in proper line, level and plumb including striking out / raking out joints, curing, necessary scaffolding, etc. complete at all heights and levels as per the approved drawing and as per instructions of the Architect / Engineer-in-charge. Rate should be quoted considering execution of work above plinth level upto and inclusive Floor Five level).	2	Cum	
	In Cement Mortor 1:6			
4	Half-brick Masonry			
	Providing and constructing Half-brick masonry partition walls in Superstructure using locally available approved quality Class designation 50 Bricks , well (Kiln/Chimney) burnt, uniform size and colour having average crushing strength not less than 50 kg/cm ² . Rate includes providing RCC patli beam 100mm thick including providing with 4 nos. 8 mm dia TMT bars and 8 mm dia TMT links at 300 c/c in cement concrete of mix M 20 at mid height (height between two patli not exceeding 1.20m), required formwork etc. in proper line, levels and plumb including raking out joints, curing, necessary scaffolding, etc. complete at any floor height and levels as per the approved drawing and as per instructions of Architect / Engineer. Rate should be quoted considering execution of work above plinth level upto and inclusive Floor Three level). Note:- Use Narmada sand	13	Sqm	
	In Cement Mortor 1:4			
5	Internal Wall Plaster			
	Providing and applying in position average 12/15mm thick smooth finish cement Plaster in cement mortar 1:5 to all inetrnal walls, using fine or Coarse sand and adding polypropylene fibre of approved quality in desired quantity per bag of cement as per manufacturers specifications complete. Rate includes providing chicken mesh to all joints of RCC members with Brick walls in all positions in proper line, level & plumb at all levels and heights with necessary scaffolding, cleaning of surfaces, raking out joints, roughening of surfaces ,curing etc complete as directed at site. Rate includes making Flush/raised/sunk or moulded bands of any width, recesses, making grooves etc. complete as per Architectural drawings and no extra payment shall be considered for the same.	30.00	S.q.m.	
6	Birla Putty on Internal wall			
	Providing and applying 2 or more coats of Birla putty on internal walls of average thickness up to 3 mm in line & level including its rubbing with sand paper to ensure smooth & even surface including necessary scaffolding etc. complete.	60	S.q.m.	
	Make :- Birla or approved equivalent make			
7	Demolishing brick			

	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge mode of measurement sqm	30	S.q.m.		
	In cement mortar				
8	Providing and fixing 1st class premium quality, double charged vitrified tiles in floor, skirting of approved size (800mm x 800mm or 600mm x 600mm as directed) of make Kajaria, Nitco, Johnson, Somany, in first quality conforming to IS:15622 of approved make in all colours shades of any size in floors and skirting over 20 mm thick bed of cement mortar 1:4 and jointing with grey cement slurry @3.3 kg per Sqmt, or fixing the same on existing floor fixed on a screed of approved adhesive viz Carebond or Nitobond or Balendura including pointing in white cement mixed with pigment of matching shade complete.	135	S.q.m.		
	Providing & laying glazed ceramic wall tiles for dado in pantry area and on walls in toilets as per specifications of size 300mm X 600mm or 300mm x 450mm of make Simpolo, Kajaria, Nitco, Bell, Johnson, Somany in first quality of design, colour and make as per approval laid and border in special/dark colours as per approval laid over fresh or existing cement plaster including surface preparation if required to the architects satisfaction, joints to be filled and finished neat with cement grout as per specifications including cutting at traps, mitring of joints if required cleaning applying acid wash curing etc. complete at all levels.	30	S.q.m.		
9	Providing & laying matt finish Non-skid ceramic floor tiles in toilet areas as per specifications of size 300X300 of make Simpolo, Kajaria, Nitco, Bell, Johnson, Somany in first quality and of design, colour and make as per approval laid over cement plaster. The joints shall be filled and finished neat with cement grout as per specifications cleaning shall be done by applying acid wash curing etc. complete at all levels.	6	S.q.m.		
10	Providing and fixing manually operated rolling shutter of approved make and type fabricated with 18 gauge section M.S Flats with galvanized pressed steel side guides of one piece construction including providing the grill in the middle of rolling shutter of 0.60m high of approved design and shape pressed steel bottom rail with interlocking arrangement for steel laths, brackets extra strong door suspension pipe shaft with high tension coil type spring made out of spring steel wire, locking arrangement, holdfast, handles, MS cover hood on top necessary accessories and fixing with 1:1:5:3 Cement concrete including painting with synthetic enamel paint three coats over a coat of primer with putty etc. complete in all respect.	10	S.q.m.		
11	Providing and fixing security grills etc. using 16 mm dia bars, welded vertically & horizontally 75 mm centre to centre or of approved pattern and design, consisting of MS angles/flats and bars securely fixed with angle cleats and embedded to the wall, slabs as per site condition and as directed at site including painting the grill with two coats of synthetic enamel paint over a coat of primer all complete.	150	kg		
12	Providing and fixing in position collapsible steel shutter with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size with top and bottom rails of T-iron 40x40x6mm with 38mm dia, steel pulleys, complete with bolts, nuts, locking arrangements, stoppers handles including painting with two coats of synthetic enamel paint of approved shade over a coat of primer all complete.	10	sqm		
13	Providing & fixing iron door MS iron sheet heavy duty 16SGW, iron angle frame 35X35mm and internal cross support to sheet, interlocking together their entire length & joint together at ends lock, handle, hinges with two l drop etc complete with suitable coat of red oxide paint.	75	kg		

14	Providing & fixing Zade Black Granite Staircase Treads, sill, flooring, etc. complete as per specifications with 15-18 mm thick mirror polished, machine cut zade black granite with double thick full round moulded edges and of required size. The granite treads shall be fitted with full round moulding shall be fixed with cement grout on treads and the double thick moulded edge shall be joined with araldite adhesive to the tread. The cost shall be inclusive of cutting, moulding, transportation, edge polishing, etc. complete and also providing two parallel grooves in the treads as specified.	1	Sqm		
15	Providing & constructing Zade Black Granite platform for pantry and wash basin counters complete as per specifications with 18-24 mm kota stone stand and kota stone or MS angle/T section supports as required and as instructed, including base stone in kota stone and fixing of 15-18 mm thick mirror polished, machine cut jet black granite with simple full round edge moulding and fascia for pantry counter and double thick edges with full round moulded edges and of required size. The granite full round moulding shall be fixed with araldite adhesive to the counter top. The cost shall be inclusive of cutting for sink, basin, taps etc. as and when required.	1	Sqm		
16	Providing and fixing stainless steel sink 1 number Nirali Make or equivalent as per approval of size approx. 18inch X 24 inch or as available per approval in platform complete including all required cutting, filling, preparation for installation, connecting waste coupling, waste pipe, adhesives/ sealers/ fillers etc.	1	Nos.		
17	Providing and fixing in position first quality white Hindware make Floor Mounted European WCt 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. Make Parryware or similar.	2	no.		
18	Flush Cisterns : Providing & fixing flushing cisterns of Parryware, Hindware or equivalent make, preferably sleek model dual flush, min. 7 lts. Capacity along with connector pipe, patch work tiling, cementing , plumbing works, including all required connections and settings for proper functioning to the Engineer's satisfaction.etc. complete.	2	nos		
19	Providing and fixing in position first quality white Hindware make Gents Urinal Flow or equivalent as per approval and making all connections of urinal with other accessories such as flush pipe ,outlet, etc. filling 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	nos		
20	Providing and fixing white glazed vitreous Counter Top Wash Basin of size 40 x 40 cm (minimum) with all accessories including wash basin tap, C.P. brass pop-up waste coupling, C.P. Brass Bottle Trap and PVC connection pipe and necessary fittings and hardware etc. as per the = drawings, as specified, as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge.	1	nos		
21	Providing & Fixing CP finish Pillar cock long body bib cock of Jaquar make, Plumber or equivalent make upon approval and design as per approval complete including fixing and connecting and including all materials, teflon tape, cp nipples, cover plates with testing etc.complete	2	Nos		
22	Providing and fixing CPVC Pipes complete with fittings and clamps, cutting and making good the wall etc, The rate is inclusive of removal of old pipes and its disposal. Internal and exposed wall 25mm/15mm	40	Rm		
23	Supplying, fitting and fixing CP Bathroom Fittings 12 mm dia of approved brand (Sona/ Hindware or equivalent) complete as directed.				
	Pillar Cock	2	no		
	Bib Cock	1	no		
	Angular Stop cock	1	no		

