

BOQ (CIVIL WORK) FOR KITCHEN WORK AT LHO, BHOPAL.					
Notes :- Instructions to the Tenderer					
ALL RATES MENTIONED WITHOUT MPGST + CGST					
MPGST + CGST MENTIONED AFTER TOTAL AMOUNT					
S.NO.	Description	QTY.	RATE	UNIT	VOLUME - 1 AMOUNT
1	Dismantling Steel structures frame, Roof sheeting etc. including electrical point/line disconnect as per directed by Engg. In-charge, disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in- charge.	252.00		SQM.	
2	Excavation for foundation of walls, column footings, pile caps, raft, foundations, plinth beams, steps, water tanks, cess pits, etc., in all types of soil including soft or hard moorum, boulders (upto 0.10 cum) shoring the sides wherever necessary, bailing out of water and keeping the foundation trenches and pits dry including filling back the trenches by selected earth in layers not exceeding 25 cm., watered and consolidated, spreading the surplus material within plot and carting away the surplus materials out of site, all complete as directed upto 2.00 m.				
	Soft Rock excavation upto 2.0m depth	10.93		CUM	
3	FILLING- STONE DUST				
	Providing and Laying, Filling in plinth and plinth protection with selected earth including Stone crusher Dust as per sample approved brought from outside (at contractor's cost) in layers not exceeding 20 cm. thick, including watering and consolidating complete as directed.	37.13		CUM	

S.NO.	Description	QTY.	RATE	UNIT	AMOUNT
4	P.C.C.				
	Providing and laying P.C.C. 1:4:8 level ling course with 25/30 mm down gauge aggregate, in foundations, pits, raft etc. below plinth including consolidation, curing etc., complete.				
		14.85		CUM	
5	Chemical ReBaring in Existing R.C.C. Structure				
	Providing and fixing at site chemical ReBaring make Hilti-HIT-RE-500 including proper drilling, Cleaning, chemical, equipments as required, manpower and pull test. Excluding reinforcement only, complete in all respect. Works as per directed by In-Charge. NOTE:- ALL SAFTY EQUIPMENTS, SCAFFOLDING & WORKING PLATFORM UP TO REQUIRED HEIGHT IN VENDOR SCOPE etc.				
	Dia. 12mm	18.00		EACH	
6	R.C.C. Work in Plinth & UPTO 4.0M HT.				
	Providing & casting in in situ CC 1:1½:3 in Columns footings, raft slabs etc. as per design and drawings, including necessary formwork, centering shuttering, mechanical compaction, etc. complete with curing (Rate exclusive of reinforcement)				
		9.85		CUM	
7	BRICK WORK -200MM THK.				
	#REF!				
	With Modular bricks.				
	AT LVL UP TO 4.2M HT. FROM PLINTH LEVEL.	46.22		CUM	
8	BRICK WORK -100MM THK.				
	Providing and constructing half brick masonry at all height & levels, places wherever required, including under kitchen platform, shelves, etc., with best quality locally available bricks (preferably flyash Bricks having minimum crushing strength 35 Kg/CM²) in CM1:4 including providing R.C.C. 1:2:4 patti at mid height with 2 Nos. 6 mm. bars (height between two patties not exceeding 1.20m) including striking joints, scaffolding, curing etc. complete as directed.				
	AT LVL UP TO 4.2M HT. FROM PLINTH LEVEL.	6.30		SQM.	

S.NO.	Description	QTY.	RATE	UNIT	AMOUNT
9	STEEL REINFORCEMENT				
	Supplying and placing in position Tested Quality TMT reinforcement bars of all diameter as per structural drawing including cutting, bending & fabricating including tying using good quality binding wire and/or welding at all heights and locations for R.C.C. work, including dowels of required diameters and lengths as per design & as directed, providing required cover with concrete briequests, spacer pieces, chairs, etc. as required complete.				
	a) High Tensile TMT bars	1900.00		KG	
10	PLASTER				
	INTERNAL PLASTERING Providing and applying 12/15mm avg. thick smooth finish cement Plaster in cement mortar 1:5 to all internal walls, ceiling using fine sand and adding polypropylene fiber of approved quality in desired quantity per bag of cement as per manufacturers specifications complete. Rate includes providing chicken mesh/glass fiber mesh to all joints of RCC members with Brick walls in all positions in 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.				
		357.48		SQM.	
11	EXTERNAL PLASTER Providing and Applying 15-18mm thick cement Plaster in cement mortar 1:4 with fine sand, apply chicken mesh all joints RCC to Bricks, all positions in line, level & plumb on all external wall surfaces and at all levels and heights with necessary scaffolding, cleaning of surfaces, raking out joints, roughening of surfaces ,curing etc,including complete material and labour including curing for 48 hours, roughening the surface of base coat to make proper bonding to final coat				
		191.52		SQM.	

S.NO.	Description	QTY.	RATE	UNIT	AMOUNT
12	PAINTING				
	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm).	191.52		SQM.	
13	INTERIOR PAINT Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer.	357.48		SQM.	
14	GRANITE STONE				
	Providing and fixing 18 to 20mm thk. Jet Black or any other approved shade machine cut, mirror polished, premoulded Granite stone to the kitchen platform and similar locations in required shape and size laid over 25mm thick cement mortar 1:5 base and fixed with neat cement slurry, filling joints with matching pigment epoxy base joint filler compound, including curing, moulding and mirror polishing to edges complete as directed at site. Note: The Granite to kitchen platform to be provided in one piece and minimum 7'0" in length. The rate to include cutting for sink, grooves, full moulding etc.				
		15.08		SQM.	
15	KOTA STONE FLOORING				
	Providing and laying 25mm to 35mm average thick minimum 550x550mm size Kota Stone flooring and skirting over 20mm (Average) thick cement mortar 1:5 base fixed with neat cement slurry, filling joints with grey cement mixed with pigment and epoxy based joint filling compound to including finish Mirror polishing complete in all respect.	169.05		SQM.	

S.NO.	Description	QTY.	RATE	UNIT	AMOUNT
16	Ceramic wall tiles				
	Providing and fixing 1st 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.	32.55		SQM.	
17	FLUSH DOOR DOUBLE SHUTTERS & SINGLE SHUTTER				
	Providing and fixing 35mm thick factory made Solid Core Flush Door Shutters of approved make (ISI mark confirming to IS:2202) as per sample approved including providing 6mm thick TW lipping all around on edges. Both faces of the shutter duly laminated with 1mm thick approved quality and shade laminate. The rate includes necessary screw/fasteners, hardware and the cost of polishing/painting of edges of shutter complete with following hardware fittings per shutter:				
	(i) 3 Nos. 125mm x 3mm SS Butt Hinges.				
	(ii) 2 Nos. Anodized Alum. Tower Bolt-200mm long.				
	(iii) 2 Nos. Anodized Alum. Aldrop 300mm long with minimum 20mm shoot.				
	(iv) Aluminum Door Stopper				
	(v) 8 mm thk. Clear glass Vision panel at required height and size as per Architectural drawing, fixed with approved quality molded T.W. beading including polishing, enamel painting of beading complete as per sample approved.				
	(vi) Door Closer both shutters approved make	17.64		SQM.	
18	DOOR FRAME				
	#REF!	470.80		KG	

S.NO.	Description	QTY.	RATE	UNIT	AMOUNT
19	Providing and constructing Inspection Chambers of approx size 450 x 900mm in one brick thick walls, including providing plaster 1:4 cement sand mix in single coat about 12mm and with heavy duty CI cover with frame (Weighing 75 Kg) as per sample approved. The rate should include necessary earthwork in excavation, disposal of surplus material as directed, laying P.C.C. 1:3:6, 100mm thick leveling course, making neat cement finish smooth benching, hunches, channels etc. in CC 1:2:4 complete for smooth flow as required. Rate to include for making connections to stone ware/PVC pipes of minimum 150 mm dia in the brick wall complete.	2.00		EACH	
20	Providing, Fixing & jointing below ground Unplasticized non-pressure polyvinyl chloride (PVC-U) pipes SN4 (SDR 41, stiffness class 4 KN/m2) for use in underground drainage & sewer systems confirming to IS:15328/2003 including fittings (Sockets, tees, bends, collars, crosses reducers, Bends, Y-shapes and required accessories etc.) of approved make including required excavation up to depth 750mm, 10mm thick P.C.C (1:3:6) bedding, including encasing the Pipe with 50mm thk. PCC around the pipe, cutting and making good masonry or concrete walls wherever necessary, making connection with sanitary fittings and inspection chambers/gully traps etc. complete including providing slope as per given drawing, testing of pipelines as per specifications up to the satisfaction of Engineer In-charge.				
a)	160mm DIA. PIPE	25.00		RM	
b)	110mm DIA. PIPE	25.00		RM	
c)	75mm DIA. PIPE	25.00		RM	
21	Providing and Fixing 150mm square-mouth S.W.Gully Trap grade 'A" complete with C.I. Grating, Bed P.C.C.(1:4:8) 100mm thk., 100mm thk. Bricks masonry(using well burnt approved quality bricks) chamber depth as per gully trap with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design fixed in minimum 50mm thk. C.C. 1:2:4 complete as directed. Note:- All Chambers 100mm offset from floor level or Directed by Engg. In-Charge.	4.00		EACH	

S.NO.	Description	QTY.	RATE	UNIT	AMOUNT
22	Providing and fixing in position Chlorinated Polyvinyl Chloride(CPVC) pipes and fittings having thermal stability for hot and cold water supply including all CPVC plain and Brass threaded fittings i/c fixing the pipes with clamps at 1.00 M spacing . This rate includes jointing of pipes with one step CPVC solvent cement, cost of cutting chases in wall/floor etc. and making good the surface for Concealed piping work etc.complete.				
a)	15 mm dia. nominal bore	40.00		METRE	
b)	20 mm dia. nominal bore	30.00		METRE	
c)	25 mm dia. nominal bore	30.00		METRE	
d)	32 mm dia. nominal bore	3.00		METRE	
e)	40 mm dia. nominal bore	3.00		METRE	
23	Providing and fixing CPVC Schedule80 BALL VALVE approved quality, including necessary fitting and required for connections.				
a)	For 20mm NB	2.00		EACH	
b)	For 25mm NB	2.00		EACH	
c)	For 32mm NB	1.00		EACH	
d)	For 40mm NB	1.00		EACH	
24	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap.	2		EACH	
25	providing and Fixing SS Cockroach Trap(SS 304 Grade), size:- 250mmx180mm approx. with proper junction attached with drain line.	5		EACH	
26	Providing and Fixing 2-way Bib Cock - (Make:- Jaquar- Clarion series half/quarter trun- 2-Way Bib Cock with wall flange-CON-041 KN) including extension nipple, plug as required, Teflon tap, warranty period replacement etc. Note:- All Items make:- Jaquar-Clarion or Equivalent as per sample approved.	4		EACH	
27	M S FABRICATION WORK FOR COLUMN & TRUSS ETC.				

S.NO.	Description	QTY.	RATE	UNIT	AMOUNT
	Providing and fabricating at Site M.S.Fabricated Steel structure made out of M.S.Sections as specified by the Architect in the drawings /details for supporting Roof Structure . Trusses made out of Circular and square M.S.Pipes, ISA, ISMC etc. supported on Concrete Bed Blocks casted over Brick Walls / Roof Slab as specified in the Drawings/Details . The structure shall be Welded by Arc Welding of superior quality using best quality Electrodes and Standard Welding Equipment, Chisel cutting, bending, grinding, drilling etc. hammering excess deposits and then finishing with surface grinders. The Rates includes Cost of Anchor Bolts, Washers, Nuts, Cost of Scaffolding , 2 or more coat Painting with Superior Quality Steel Primer (Asian ,Narolac, Dulux)or Equivalent approved by the Architect and the Cost of All Material , Wastages, Labour , Cost of T&P etc Complete. NOTE:- USING EXISTING STEEL STRUCTURAL MEMBERS AS PER SITE CONDITION.	7000		KG	
	Galvanised Panels for Roofing				
28	Providing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.				
b)	0.55 mm thick with zinc coating	160.00		Sqm.	

S.NO.	Description	QTY.	RATE	UNIT	AMOUNT
29	G.I. Gutter				
	Providing and fixing G.I. Sheet Gutter in C-shape as per drawing, thickness of sheet 1.5mm including proper fixing as per given slope required water tight fasteners, proper over lapping with water tight, zinc coating primer on both side (specification given as per above item) and providing down take pipe slot and fixing as per drawing or Engg. In-Charge. complete in all respect.(C-Shape Gutter over all Girth up to 900mm)	0		RM	
30	Providing & fixing Precoated galvanised steel sheet roofing accerories 0.50mm + 0.05% total coated thickness, zinc coating 120 gsm as per IS:277 in 240 mpa steel grade, 5-7 micron epoxoy primer on both side of the sheet and polyester top coat 15-18 micron using self drilling / self tapping screws etc. complete. Note:- Top coat colour match to roofing sheet colour				
a)	Ridge Plain - 600mm wide	0		RMT.	
b)	Flashing L-Shape (up to 600mm wide)	30		RMT.	
d)	C-shape Flashing for Galvanised Panel both end fixing.(Profile match to Galvanised Panels)	23		RMT.	
31	Providing and fixing :- 2-Track Aluminium sliding windows comprising sliding panels(2- Track of Glass panels), with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including 5mm thk. clear Plain Glass approved make, necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing / paneling,C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. Powder coated aluminum (minimum thickness of powder coating 50 micron. of approved shade)	10.80		Sqm	
32	Providing and fixing M.S. jali (SIZES ARE 300X300MM)with ISA-25x25x5mm frame including double panel gate with L-drop, Hings, 2 coat primer, 2 enamel paint etc. All work as per directed by Engg. Incharge or as per Drawings.	2		Sqm.	
33	Providing and Fixing CP brass Angle Stop Cock including extension nipple as required, teflon tap, mlte-female Nut-bolt with rubber washer complete of Jaguar Clarion Series.	12		Each	

S.NO.	Description	QTY.	RATE	UNIT	AMOUNT
34	Providing and fixing Swan Neck Kitchen Sink Bib Cock of Jaguar/Parryware or equivalent approved make with swinging casted spout (wall mounted model) with connecting legs & wall flanges etc. complete.	4		Each	
35	Providing and fixing in position Satin Finish Stainless Steel KITCHEN SINK of overall size 510 X 510 mm with CP waste coupling, waste pipe including making connections and fixing the same on Granite /marble stone platform after making cutout of required size with all fitting & accessories, joints filling complete as directed by the Bank. Make:- Nirali OR equivalent as per sample approved.	4		Each	
36	Providing and fixing :- Aluminium openable Door panels (SS wire mesh mosquito Net), with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. Powder coated aluminum (minimum thickness of powder coating 50 micron. of approved shade).	5.1		Sqm	

