

KACHCHH PANCHAYAT R. & B. DIVISION - BHUJ**Name of Work : Construction Of Animal Husbandry At Rapar,Ta-Rapar****SPECIFICATION INDEX**

Sr.No.of the Item in BOQ	Brief Description of Item	Page No.
1	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead. (C) Hard Murrum	1
2	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead. (C)Hard Murrum	1
3	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm.in depth consolidating each disposed layer by ramming and watering.	27
4	(A) Lime, murrum, building rubbish, earth, manure or sludge & excavated rock and rubbish	27
5	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete	9
6	Carring out plinth treatment to post construction/ existing structure by spraying chemical solution for termite control treatment including labour and material consistment with I.S.I specification. Using Chlordene and Chiorpurfiles 20 EC. As Per 6131_paret-II Consenration Weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 liter give 1% concenteration inclusive of one litre chemical emulsion appication at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S	It. No.20.00.9. +22.00.10+22.00.11 Page No157
7	Providing and laying cement concrete 1:4:8 (1- Cement:4-coarse sand: 8- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	30
8	Providing and laying controlled cement concrete M.150 for curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (C) Slabs, landing, shelves, Balconies, Lintels, Beams, Girders and Cantilever upto floor two level	38 54
9	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete. Including cost of form work	38 54
10	Providing and laying controlled cement concrete M250 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts Column Up to Plinth Level	37 39 56

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11	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars, posts and struts up to floor two level for Columns For All Floors.	37 39 56
12	Providing and laying controlled cement concrete M250 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work For Plinth Beams	40 56
13	Providing and laying controlled cement concrete M200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Beams For All Floor.	37 39 56
14	Providing and laying controlled cement concrete M200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work for Slab All floors	37 39 56
15	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work For Sill/Lintels in All Floors	37 39 56
16	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work For Chajja in All Floors	39 57
17	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	Separate Sheet Attached & follow Govt Circular Dated 15-02-2017
18	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:5 (1-Cement: 5-fine sand)(B) Conventional	43 44
19	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. above plinth level upto floor TWO level in Cement Mortar 1:5 (1- Cement: 5-fine sand)(B) Conventional (4203.06+278.93-4481.99)	43 44
20	Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1-Cement: 4-coarse sand) in Extra for half brick masonry in superstructure above plinth level upto floor two level. (B) Conventional (623.60+53.89)	46
21	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand) (178.61+25.8)	It.No.17.95 P.No.122
22	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand)	It.No.17.95 P.No.122

Sr.No.of the Item in BOQ	Brief Description of Item	Page No.
23	20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement: 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement: 1-sand) etc. complete.	It.No.17.95 P.No.122
24	Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	It.No.18.17. P.No.127
25	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	It.No.18.57 / P.No.136
26	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete	25
27	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for Light Shade	Item No.14.43 (A)/ page No. 98
28	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for antiskit	Item No.14.43 (A)/ page No. 98
29	Providing and laying Vitrified tiles 8 to 10 mm thick in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement: 3-coarse sand and jointed with white cement slurry	Item No.14.43 (A)/ page No. 98
30	Providing and laying Ceramic tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement: 3-coarse sand) finishing with flush pointing in white cement. (Matt Finished Ceramic Tile)	It.No.14.29. / P.No.167
31	Providing and laying coloured glazed tiles of the size 300 mm x 600 mm x 8 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement: 3 coarse sand) & jointed with white cement slurry.	It. No. 14.29 Page No. 96
32	Providing and fixing in position collapsible steel shutters with vertical channels 20 x 10 x 2 mm braced with flat iron diagonals 20 x 5 mm size with top and bottom rails of T_rin 40x 40 x 6 mm with 38mm dia, steel pulleys complete with bolts, nuts, locking arrangements, stoppers handles including applying a priming coat of red lead paint.	It. No.11.6.(D) P.no 81+ It. No.19.7 P.no 138

Sr.No.of the Item in BOQ	Brief Description of Item	Page No.
33	Providing and fixing FRP FRAME size 100 X 50 mm and 28 mm thick FRP Degree panel shutter having extra reinforcement on sides and edges and in Gel coat finish. The core of the shutter is to be filled up with injected fire retardent grade polyurethane foam done in situ along with embedded wooden pieces for stiffening and also for taking hinges and fixtures. The whole FRP frame and shutter is to be water proof, weather proof, termite proof and resistance to mild acid/Alkali, Rates are to be inclusive of S.S. hinges with necessary screws and alluminium fixtures and fastening product should have 3 years performance guarantee and company have ISO 9001-2000 certificate.	As per Seprate Sheet Attached
34	Providing and fixing flush door shutters solid core construction with frame of 1st class teak wood with cross bend and face veneer of plywood face pannels including anodized alluminium butt hinges with necessary serews, Allu. Aldrop, Allu. Handle 6", Allu. Tadi 10", Allu. Stopper 8", Allu. Rubber Plug. [B] Decorative type with 1mm laminated sheet on both sides & block board core anodized alluminium butt hinges. [I] Flush door shutters 35 mm thick including oil paint etc. with all necessary fixtures complete.	As per Seprate Sheet Attached
35	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 63.50 x 38.10 x 1.95 mm, @ Wt 1.094 Kg /Rmt, horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm @ wt.of 0.695 Kg/mt, vertical member of size 61.85 mm x 31.75mm x 1.30 mm @wt.of 0.659 Kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm @wt.of .456Kg/mt, vertical member of size 40mm x 18mm x 1.29mm @wt.of 0.456Kg/mt, @ Wt. 0.457 Kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	As per Seprate Sheet Attached
36	Providing and fixing standared extruded of alluminium section of size 63mm x 38.10mm x 1.2mm (Jindal Section : 2434, @ Wt. 0.643 Kg/mt) with colour anodized alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation	As per Seprate Sheet Attached
37	Providing and laying 16-18 mm thick polished Black Granite stone slab machine cut in single piece in sill and jambs laid on 10 mm thick cement mortar 1:3 (1 cement: 3 coarse sand) with half round Edge Moulding laid over and jointed with grey cement slurry incl. rubbing and polishing etc complete.	As per Seprate Sheet Attached
38	Providing and fixing M.S. grills of required pattern to wooden frames of windows etc. with M.S. flats at required spacings and frame alround, square or round bars with round headed bolts and nuts or by screws (A) Plain Grill.	Pg No.16

Sr.No.of the Item in BOQ	Brief Description of Item	Page No.
39	Applying priming coat and Painting two coats on new or previously painted steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including cleanicn the surface of all dirt, dust and other foreign matter. (36.06+91.29=127.35)	As per Seprate Sheet Attached
40	Providing throating or plaster drip and mouldingto R.C.C. Chhajja.	It.No.5.4.18. P.No.39
41	Providing & Fixing Sandwich type Kitchen Platform of 700mm wide using Top 18mm thick granite of approved shade and sample and bottom 25mm thick single side Polished kota stone with 25 mm thick screed of cement mortar 1:3 With granite Facia Patti. and vertical End granite supports. The stone shall be fixed by chassing in to the wall surface and supported vertically with 25mm thick sandwich kota stone support including SS Sink Glosy ASIS 304 Grade x 1mm thick with over all size 485x410 mm, waste brass coupling, C.P. brass waste for washbasin or sink., flexible PVC outlay pipe, etc complete as suggested by Engineer -in-charge.	As per Seprate Sheet Attached
42	Providing and fixing wsh down water closet (European type, W.C. Pan) with integral P or S trap including jointing the trap with soil pipe in Cement Mortar 1:1 (1-Cement: 1-fine sand) (Seal and cover to be measured and paid for separately) (A) vitreous China Pattern: (i) in white colour (1343.38+329.1+288.45)	It. No.23.112 (A)(I) Page No.165
43	Providing and fixing G.I. flush jet pipe with hanging clamp for W.C. Pan	Pg No.33
44	Providing and fixing Urinal or approved quality including conecting the Urinal with waste pipe, tap etc. complete.(A) White earthenware flat back or corner type size 430mm x 260mm x 350mm.	It.No.22.124. (A) P.No.172
45	Providing and fixing PVC dual flush tank of 10 L capacity after cleaning of dirt, dust and other foreign material As directed by engineer in charge	As per Seprate Sheet Attached
46	Providing and fixing flat back wash basin white 55 x 40 cm size with C.I. or M.S. bracket including cutting holes and making good the same including fixing Pillar Cock Long Neck, Angular Stop cock, water connection pipe 60cm. long, PVC waste pipe and waste coupling etc. complete	Pg No.38
47	Providing and fixing brass screw down stop tap. [A] 15mm dia.	It.No.23.96 (A) / P.No.171
48	Providing and fixing ball cock of approved quality as directed. [A] Copper Metal [i] 25mm dia	Pg No.39
49	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete. (i) 25mm dia.	It.No.23. (II) P.No.171
50	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixing to wooden pluge with C.P. brass screws and washers.	It.No.23.143. P.No.169

Sr.No.of the Item in BOQ	Brief Description of Item	Page No.
51	Providing and fixing PVC SWR Nahni trap IS 14735 for drain -100 mm diameter with jail of the following nominal diameter of self cleaning design wit c.I scread down or hinged grating including the cost of cutting and making good the wall.	It. No.23.87 Page No.164
52	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe (SCH-40) for cold water including fittings make Pas approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Pg No.37
53	Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe (SCH-40) for cold water including fittings make as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Pg No.37
54	Providing laying and jointing in true line and level 32mm dia. U.P.V.C. Pipe (SCH-40) for cold water including fittings make as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Pg No.37
55	Providing and fixing to wall ceiling and floor 6.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor. (F) 75 mm	It. No.23.8./ Page No.162
56	Providing and fixing to wall ceiling and floor 6.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor. (G) 110 mm	It. No.23.8./ Page No.162
57	Providing and fixing in position cowl went to pipes. (B) 75mm dia.	As per Seperate Sheet Attached
58	Providing and fixing cast iron spigot and socket soil, waste and ventilating pipes of the following nominal size. (B) 75mm dia.	Pg. No.36
59	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight. (i) square mouth traps. (B) 150mm x 100mm size P or R type	It.No.24.19.(I) P.No.176

Sr.No.of the Item in BOQ	Brief Description of Item	Page No.
60	Providing, laying and jointing in true line and level 160 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diametre x 210 mm length x 196 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	It. No.23.8. Page No.162
61	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement:2-coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete. (i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line.	It.No. 24.44(i) P.No.183
62	Providing and laying cement concrete flooring 1:2:4 (1-cement: 2-coarse sand: 4-graded stone aggregate 20mm nominal size) laid in one layer and finished with a floating coat of neat cement. (B) 50mm thick.	It.No.14.71(A) P.No100
63	Providing and laying broken china mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall, clearing with water and oxalic acid etc. as directed.	As per Seprate Sheet Attached
64	Providing cement vata (10cm x 10cm size quarter round in cement mortar 1:1 including neat cement finishing, watering etc. complete.	It.No. 17.0.0.1 P.No.124
65	Providing and fixing C.P. Brass screw down Bib Cock Long Body With Wall Flange 15 mm dia with center point as per EIC.	As per Seprate Sheet Attached
66	Providing PVC valve of of 25mm dia of approved quality including fixing in pipe line etc. as per Engineer in charge.	As per Seprate Sheet Attached
67	Providing erecting and fixing double coated ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace	As per Seprate Sheet Attached
68	Providing and fixing C.I. Manhole cover 0.60 M. x 0.45M. size having weight not less than 35Kg.	It.No.22.00.6 P.No.173

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69	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658: 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidelines of IRC : SP 63-2018 etc. Complete.	As per Seprate Sheet Attached
70	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length, 30cm height and 15cm thick of M200 grade concret as per approved design and including excavation for fixing in proper line and level, filling the joint with C:M 1:3 (1cement:3fine sand) etc complete.	As per Seprate Sheet Attached
71	Providing and Fixing S.S Hand Rail made from 50mm dia Round pipe supported by 16 mm thick SS pipe bend joint with modular "T" joint with 75 mm dia 8 mm thick base flange on wall at 1.0 mt C/C including accessories etc. complete. as per detailed drawing & as directed By EIC	As per Seprate Sheet Attached
72	Providing and fixing M.S. Steel Gate in Box/Flat/Round Bar/Pipe Section including priming coat and two coats of enamel paint, cleaning and finishing as directed by Engineer In Charge	As per Seprate Sheet Attached

Deputy Executive Engineer
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