

Name Of Work : Construction of P.H.C. Staff Quarters at village MotaAshota.

Taluka :- Kalaynpur

Dist. :- D.B.Dwarka.

Memorandum showing the items of work to be carried out

BILL OF QUANTITIES

Item No	Quantities estimated but may be more or less.		Item of works	Tendered Rates		Unit	Total amount according to estimated quantities
				In figures Rs. Ps.	In words		
1	2		3	4	5	6	7
1	10.40	cum.	Excavation for foundation upto 1.5 m depth including sorting out and stacking of usefultmaterials and disposing of the excavated stuffupto 50 Meter lead. (B) Dense or Hard soil	149.83	One Hundred Forty Nine Rupees and Eighty Three Paise only	cum.	1558.23
2	10.40	cum.	Excavation for foundation upto 1.5 m depth including sorting out and stacking of usefultmaterials and disposing of the excavated stuffupto 50 Meter lead. (C) Hard Murrum	254.36	Two Hundred Fifty Four Rupees and Thirty Six Paise only	cum.	2645.34
3	7.60	cum.	Providing and laying Cement Concrete 1:3:6(1-Cement : 3 Coarse sand : 6 hand brokenstone aggregate 40 mm nominal size) and curing complete excluding cost of formwork (A) Foundation & Plinth More than 10 ton	3005.76	Three Thousand five Rupees and Seventy six Paise only	cum.	22843.77

4	22.30	cum.	White stone bela masonry block in course in Foundations and plinth with stone of approved quality in cement mortar 1 : 5 (1 - Cement : 5 - Course sand) including racking the joints etc. complete.	6198.04	Six Thousand one Hundred Ninety Eight Rupees and Four Paise only	cum.	138216.29
5	12.40	cum.	Filling available excavated earth (Excluding rock) in trenches, plinth,sides of foundation etc. in layers not exceeding 20 Cm. in depth consolidating each deposied lyer by ramming and watering	130.39	One Hundred Thirty Rupees and Thirty Nine Paise only	cum.	1616.83
6	1.70	cum.	Providing & laying cement concrete 1 : 1.5 : 3 (1 - Cement : 1.5 - Course sand : 3 - Graded stone aggregate 20mm nominal size) & curing complete including cost of formwork in COPING Upto 10 ton	4764.94	Four Thousand Seven Hundred Sixty Four Rupees and Ninety Four Paise only	cum.	8100.39
7	8.30	cum.	Filling foundation and plinth with murrum or selected soil in layer of 20 cm in thickness including ramming watering and consolidating etc. complete	289.06	Two Hundred Eighty Nine Rupees and Six Paise only	cum.	2399.19
8	29.70	cum.	White stone bela masonry block in course in superstructure with stone of approved quality in cement mortar 1 : 5 (1 - Cement : 5 - Course sand) including racking the joints etc. complete.	6198.04	Six Thousand One Hundred Ninety Eight Rupees and four paise only	cum.	184081.78

9	5.10	cum.	White stone bela masonry work in Partition walls upto 15cm thickness in Cement Mortar 1:4 (1-Cement : 4- course sand) etc. complete.	652.35	Six Hundred Fifty Two Rupees and Thirty Five paise only	cum.	3326.98
10	1.40	cum.	Providing and laying ordinary cement concrete 1:1.5:3 (1- cement :1.5 coarse sand :3 graded stone aggregates 20 m.m. nominal size) for R.C.C LINTEL including finishing smooth with curing etc.complete including the cost of formwork but excluding the cost of reinforcement.	10100.73	Ten Tousand One Hundred Rupees and Seventy Three Paise only	cum.	14141.02
11	0.80	cum.	Providing and laying ordinary cement concrete 1:1.5:3(1-Cement:1.5-coarse sand : 3- graded stone aggregate 20 mm nominal size) and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (A)Beams having cross section aea more than .12 and upto 0.18 sq mt	6948.11	Six Tousand Nine Hundred Fourty Eight Rupees and Eleven Paise only	cum.	5558.48
12	6.50	cum.	Providing and laying ordinary cement concret1:1.5:3 (1- cement :1.5 coarse sand :3 graded stone aggregates 20 m.m. nominal size) and finshingsmooth with curing etc complete including the cost of form work but excluding the cost of rein - forcement for R.C.C work in SLABS having more than 10 cm & up to 13 cm thickness	7258.19	Seven Tousand Two Hundred Fifty Eight Rupees and Nineteen Paise only	cum.	47178.23

13	910.00	kg.	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	76.21	Sixty Six Rupees and Twenty one paise only	kg.	69351.1
14	10.40	sqm.	Providing and fixing Door having colour anodised standard alluminium section of 44.50mm x 101.6 x 1.65 mm size having Single shutters of factory made and stamp IS 12823 grade-1 Type- 1 35 mm thick solid core melemine faced three layered resin Flush Door fixed with S S Hinges having decorative lamination on both side including 4 mm thick glass on top having 30 cm long stainless steel pipe handle on both side with Fixtures & Fastening as directed Engineer etc. complete.	4105.20	Four Thousand One Hundred Five Rupees and Twenty paise only	sqm.	42694.08

15	5.40	sqm.	Providing and fixing extruded alluminium Window having extruded alluminium Colour anodised section frame main outer size 127mm x 38.1mm x 1.35mm (of Jindal Section No. 2443, @ Wt. of 1.384 Kg./mt.) horizontal four Track member size 122.20mm x 31.75mm x 1.10mm (of Jindal Section No. 8787, @ Wt. 1.205 Kg./mt.), Vertical member of size 122.20mm x 31.75mm x 1.50mm (of Jindal Section No. 8935, @ Wt. 1.398 Kg./mt.) with Sliding shutters of Horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section No. 8949, @ Wt. of 0.456 Kg./mt.) Vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section No. 8948, @ Wt. of 0.457 Kg./mt.) with 5mm thick transparent bronze colour tinted float glass with powder coated alluminium fittings and fixtures and transparent silicon sealant Glass fixing to frame as per details etc.	2122.14	Two Tousand One Hundred Twenty Two Rupees and Fourteen paise only	sqm.	11459.55
16	108.00	kg.	Providing and fixing M.S. grills of required pattern to wooden frames of windows etc.with M.S. flats at required sapacing and frame all-round square or round bars with round headed bolts and nuts or by screws.[PLAIN GRILL] upto 10 ton	103.88	one Hundred Three Rupees and Eighty Eight paise only	kg.	11219.04

17	39.00	sqm.	Providing and laying polished kota stone slab flooring over 20mm (average) thick base of cement mortar 1:6 (1 cement : 6 coarse sand) or L.M. 1:1.5 laid and jointed with grey cement slurry including rubbing and polishing etc. Complete (A) 25mm thick	965.59	Nine Hundred Sixty Five Rupees and Fifty Nine paise only	sqm.	37658.01
18	19.00	sqm.	Providing and laying white glazed tiles 6 mm thick in skirting, risers of steps and dedo on 10 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with white cement slurry upto 10 ton	1073.90	One Thousand Seventy Three Rupees and Ninety paise only	sqm.	20404.1
19	209.20	sqm.	Providing 15mm thick cement plaster in single coat on Rough (similar) sides of single or half brick wall for interior plastering up to floor two level finished even and smooth in (I) Cement mortar 1:3 (1 cement : 3 sand) Finishing with float in coat of cement slurry	220.00	Two Hundred Twenty Rupees and Zero paise only	sqm.	46024
20	1.10	sqm.	Providing and fixing E-27 section door / window frame including welding and fixtures fastenings including 3-coats of approved enamel oil paint etc. with sheet glass selected quality glass 5mm thick bedded in putty and fixed with wooden beadings of first class teakwood and necessary cuttings etc Complete	3419.70	Three Thousand Four Hundred Nineteen Rupees and Seventeen paise only	sqm.	3761.67

21	121.00	sqm.	20mm thick sand faced cement plaster on wallup to height 10meters 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	300.65	Three Hundred Rupees and Sixty Five paise only	sqm.	36378.65
22	209.20	sqm.	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on wall surfaces to give an even shade including thoroughly brushing the surface free from mortar dropings and other foreign matter and sand papered smooth	80.34	Eighty Rupees and Thirty Four paise only	sqm.	16807.12
23	121.00	sqm.	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc complete	114.53	One Hundred Fourteen Rupees and Fifty Three paise only	sqm.	13858.13
24	6.20	sqm.	supplying and fixing in position double polished kota stone (I) 25 mm thick for cupboard etc	438.34	Four Hundred Thirty Eight Rupees and Thirty Four Paise only	sqm.	2717.7
25	27.00	Rmt.	Providing cement vata (10cm x 10cm size) quarter round in cement mortar 1:1 including neat cement finishing watering etc. complete	23.68	Twenty Three Rupees and Sixty Eight Paise only	Rmt.	639.36

26	4.00	nos	providing and fixing G.I. rain water spout of 50mm dia & 30 cm.length	101.90	One Hundred One Rupees and Ninety Paise only	nos	407.6
27	2.00	nos.	Providing and fixing water closet squatting pan (Indian type W.C. Pan) 580 m.m. size includingprovidign and fixing 100 m.m size "P" or "S" trapfor water closet squatting pan including jointing thetrap with pan and soil pipe in c.m. 1:3 (1 cement3 coarse sand) including providing and fixing inc.m. 1:3 (1 cement : 3 coarse sand) and pair ofwhite vitrious china 250 mm x 130 mm x 30 mm foot rest for long pattern with C.I. inlet conection for flush pipe with W.C. pan and chromium platedbrash half turn flush cock of approved quality 25mm dia. etc complete	1674.13	One Thousand Six Hundred Seventy Four Rupees and Thirteen Paise only	nos.	3348.26
28	1.00	nos	Providing & fixing washbasin with single hole for pillar tap with C.I. or M.S. bracket painted white including cutting holes & making good the same but excluding fittings (A) Vitreous china (ii) 550 x 400 mm size (i)white colour with C.P. Brass waste of 32 mm dia and M.I. fisher of 32 mm dia comp.	1692.09	One Thousand Six Hundred Ninety Two Rupees and Nine Paise only	nos	1692.09

29	7.00	Rmt.	Providing laying and jointing in true line and level 25 mm dia. U.P.V.C. Pipe (SCH - 40) line including fittings as approved by Engineer In charge. Pipe shall be fixed on the wall with the help of clamp at every two meter C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	91.83	Ninety One Rupees and Eighty Three Paise only	Rmt.	642.81
30	8.00	Rmt.	Providing laying and jointing in true line and level 15 mm dia. U.P.V.C. Pipe (SCH - 40) line including fittings as approved by Engineer In charge. Pipe shall be fixed on the wall with the help of clamp at every two meter C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	72.64	Seventy two Rupees and Sixty Four Paise only	Rmt.	581.12
31	2.00	Rmt.	Providing and fixing cast iron spigot and socket soil waste and ventilating pipes of the following nominal size(B) 75mm dia Upto 10 ton	739.41	Seven Hundred Thirty Nine Rupees and Fourty One paise only	Rmt.	1478.82
32	2.00	nos	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 Square mouth trapes (C) 150mm x 100mm size - P type	1246.91	One Thousand Two Hundred Fourty Six Rupees and Ninety One paise only	nos	2493.82

33	2.00	nos	Providing & fixing cast iron (Spun) Nahni trap of the following nominal diametre of self cleaning design with C.I.screwed down or highed grating including cost of cuttting & making good the walls & floors 100mm inlet & 50mm outlet 100 MM Dia	606.08	Six Hundred Six Rupees and Eight Paise only	nos	1212.16
34	1.00	nos	Providing & Fixing Gun metal check or non return fullway wheel valve 25mm dia.	420.63	Four Hundred Twenty Rupees and SixtyThree Paise only	nos	420.63
35	1.00	nos	Providing and fixing gun metal check or non return full way wheel valve(A) 15mm dia	186.82	One Hundred Eighty Six Rupees and Eighty Two Paise only	nos	186.82
36	5.00	nos	Providing and fixing screw down bib taps of following size(A) Brass screw down bib tap polished bright(ii) 15mm dia	186.82	One Hundred Eighty Six Rupees and Eighty Two paise only	nos	934.1
37	1000.00	Lit.	Providing and erecting fixing Double coated syntex of equivelant PVC(ISI) Water tank of Required capacity each with all necessary fitting & connection etc. complete on Terrace.	3.94	Three Rupees and Ninety Four paise only	Lit.	3940

38	1.00	nos	Providing soak pit of 5.00 cum volume including excavation and filling brick bats with dry masonrywork at top for 45 c.m. height including covering the top with stone including providing vatas in c.m 1:3 with finishing curing etc. complete as directed Upto 10 ton	3126.07	Three Thousand One Hundred Twenty Six Rupees and Seven paise only	nos	3126.07
39	7.00	Rmt.	Providing and fixing to wall ceiling floor 10.0 Kg. F/Cm2 working pressure polythene pipes for soil waste and ventilating pipes of the following outside dia. low density, complete with necessary fittings ,wall clamps etc including making good the wall ceiling and floor. {Finolex, Supreme, Prince or equivalent brand} (B) 110 mm	336.23	Three Hundred Thirty six Rupees and Twenty Three paise only	Rmt.	2353.61

40	1.00	nos	Constructing brick masonry for underground C.I. Inspection chamber and bends with bricks having crushing strength no less than 35Kg. / cm ² in C.M. 1:5 C.I. cover with frame (light duty) 445mm x 610mm internal dimensions total weight of cover with frame to be not less than 38Kg. (wt of cover 23Kg and wt of frame 15Kg) R.C.C. top slab 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 455mm x 610mm x 450mm deep for single pipe line (Upto 10 ton	2932.92	Two Thousand Nine Hundred Thirty two Rupees and Ninty two paise only	nos	2932.92
41	5.40	sqm.	Applying priming coat over new steel and other metal surface after over and including preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter and scoured with brushes fine steel wood, scrapers and sand paper with ready mixed priming paint brushing red lead. Painting two coats (excluding priming coat) on new steel and other metal surfaces with synthetic enamel paint, brushing, to give an even shade including cleaning the surface of all dirt, dust and other foreign matters	87.80	Eighty Seven Rupees and Eighty paise only	sqm.	474.12

42	2.10	Rmt.	Constructing a cooking platform 60cm width and 70cm height resting on B.B. masonry wall 23cm thick in C.M. 1:6 with (i) fixing of precast R.C.C. (1:2:4) 8cm thick slab with marble mosaic chips set in C.M.(1:6) 6mm thick (terrazzo) with plastering on exposed faces of wall in C.M. (1:4) etc. complete	2694.77	Two Thousand Six Hundred Ninety Four Rupees and Seventy Seven paise only	Rmt.	5659.01
43	1.00	nos	Providing and fixing Kitchen Sink with C.I. or M.S. brackets, painted white including cutting holes in walls and making good the same with all fixing comp. (C) Vitrious china Sink (i) 600 mm x 450mm x 150mm Size etc. complete	2280.26	Two Thousand Two Hundred Eighty Rupees and Twenty Six paise only	nos	2280.26

44	46.00	sqm.	Providing and laying broken China Mosaic Flooring for Terrace using 12mm to 20mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempred to bring mortar creme out upto surface using white cement including rounding off junctions and extending them up to 15cm. along the wall, clearing with water and oxalic acid etc. as directed.	747.28	Seven Hundred Fourty Seven Rupees and Twenty Eight paise only	sqm.	34374.88
45	1.00	nos	Providing and fixing 20cm x 15cm x 2.5cm thick year plate of Marble stone set in CM 1:4 including finishing and engraving letters etc complete	279.68	Two Hundred Seventy Nine Rupees and Sixty Eight paise only	nos	279.68
Total Rs.							813457.82

- (A) Total Tendered Amount Rs. _____
- (B) Rebate on above tendered amount (If any) _____% (In Figure) Rs. _____
In words (Rupees)
- (C) Net Tendered Amount (A - B) Rs. _____
In words (Rupees)

Note :-

- All work shall be carried out as per Public Works Department Handbook and other specifications of Division or as
- All the columns is Schedule should be filled in ink and the total of the entries in the last column should be struck by the contractor under his signature.
- Rates quoted include clearance of site (prior commencement of work and at its close) in all respects and hold good for work under all conditions, site, moisture, weather etc.
- The contractor shall exhibit the board at site of work with the details of works, Tender amount and specification as per Govt. Circular No. BBG / 3277 / 1657 / N, Dt.26-4-78 and as per G.R.No. TNC -1090-24-C, Dt.18-11-91, as directed by Engineer-in-charge of the works, exhibit board at site of work, for which contractor is not entitled for any extra payment.

- 5 Contractor shall even " NIL " percentage, if no deduction is offered.
- 6 One percent of work done amount of this work shall be recovered from the contractor payment as " Labour Cess " in terms of the Gujarat Govt. gazette extra ordinary dt. 12/12/2004 implementation of building and other construction works.(Regulation of employment & condition of service act 1996.
- 7 Testing of materials shall be as per statement attched for quality control. The material shall be tested in GERI bill for the testing charge shall be paid by the Department and 1 % (One percent) of amount put to tender after deduction of cost of material as per scheule-A shall be recovered from the contractor's running Bill as per GR of R.& B. Dept. No.TNC / 1085 / 4 / C Dt. 20-12-91 & modified R.& B. Dept. Circular No.SSR / 10000092-IB-12910-C Dt.16-10-95.

Signature of Contractor :

D.E.E
Dwarka

Executive Engineer
Panchayat (R & B) Division,
D.B.Dwarka