

NAME OF THE WORK: PROPOSED STAFF QUARTERS AT KFB - PLUMBING WORKS

S.No	DSR 2014 ITEM NO	DESCRIPTION OF WORK	UNIT	QUANTITY	RATE (Rs. In figures)	AMOUNT (Rs. In figures)	RATE (Rs. In words)	AMOUNT (Rs. In words)
J. WATER SUPPLY								
J.0	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.						
J.0	17.28.1	Semi rigid pipe						
J.0.1	17.28.1.2	40 mm dia	Each	12.00				
J.1	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	8.00				
J.2	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :						
J.2.1	18.21.2	45 cm length						
J.2.1.1	18.21.2.2	20 mm nominal bore	Each	24.00				
J.3	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work , including cutting chases and making good the walls etc.						
J.3.1	18.8.1	15 mm nominal outer dia Pipes	Metre	46.00				
J.3.2	18.8.2	20 mm nominal outer dia Pipes	Metre	20.00				
J.4	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.						
		External Work						
J.4.1	18.9.2	20 mm nominal outer dia Pipes	Metre	62.00				
J.4.2	18.9.3	25 mm nominal outer dia Pipes	Metre	75.00				
J.4.3	18.9.5	40 mm nominal outer dia Pipes	Metre	5.00				
J.4.4	18.9.6	50 mm nominal outer dia Pipes	Metre	5.00				
J.5	17.61	Cutting chases in brick masonry walls for following diameter sand cast iron/ centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 12.5 mm nominal size), including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) :						
J.5.1	17.61.1	100 mm dia	Metre	4.00				
J.5.2	17.61.2	75 mm dia	Metre	4.00				
J.5.3	17.61.3	50 mm dia	Metre	36.00				
J.6	18.13	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :						
J.6.1	18.13.2	50 to 80 mm nominal bore	Each	1.00				
J.7	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality						
J.7.1	18.17.1	25 mm nominal bore	Each	2.00				
J.7.2	18.17.3	40 mm nominal bore	Each	1.00				
J.7.3	18.17.4	50 mm nominal bore	Each	2.00				
K. SANITARY INSTALLATIONS								
K.0		Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm PVC P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:						

K.1	MR	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	4.00				
K.2	17.78	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/6 litre (adjustable to 4 litre/8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	Each	4.00				
K.3	17.7	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:						
K.3.1	17.7.2	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	Each	8.00				
K.4	17.10	Providing and fixing Stainless Steel AISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :						
K.4.1	17.10.1	Kitchen sink with drain board						
K.4.1.1	17.10.1.3	510x1040 mm bowl depth 200 mm	Each	4.00				
K.5	17.34	Providing and fixing toilet paper holder :						
K.5.1	17.34.1	C.P. brass	Each	4.00				
K.6	MR	Providing and fixing SS soap Dish Holder of approved make fixed to wall with necessary screws, plugs, etc. all specified and directed.	Each	8.00				
K.7	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	5.00				
K.8	MR	Providing and fixing in position best approved quality and type towel rail of length mentioned below 25mm dia with a pair if brackets or flanges fixed to wall with necessary screws, plugs, etc. all specified and directed						
K.8.1	MR	CP brass towel rail of 600 mm long	Each	8.00				
K.9	17.69	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour.						
K.9.1	17.69.1	Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms	Each	12.00				
K.10	MR	Providing and fixing hand shower with 8mm dia long flexible tube with wall hook	Each	5.00				
K.11	MR	Providing and fixing double hook for hand shower	Each	10.00				
K.12	MR	Providing & fixing bib cock of short thread for toilet roll holder	Each	8.00				
K.13	MR	Providing and fixing angular stop cock for hand shower	Each	25.00				
K.14	MR	Providing and concealed fixing stop cock 1/2" for toilet roll holder	Each	24.00				
K.15	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Litre	3000.00				
K.16	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :						
K.16.1	18.18.2	20 mm nominal bore	Each	1.00				
K.16.2	18.18.3	25 mm nominal bore	Each	10.00				
K.17	MR	Providing and fixing on wall face unplasticised Rigid PVC soil/waste water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. (6Kg / sqcm)						
K.17.1	MR	100 mm dia	Metre	18.50				
K.17.2	MR	75 mm dia	Metre	42.00				
K.17.3	MR	50 mm dia	Metre	40.00				
K.18	MR	Providing and fixing uPVC clips of approved design for fixing the pipes with the wall						

K.18.1	MR	100 mm dia	Each	12.00				
K.18.2	MR	75 mm dia	Each	28.00				
K.19	MR	Providing and fixing ISI marked PVC bend (door bend) of required degree with access door, insertion rubber, washer 3mm thick and nuts complete						
K.19.1	MR	100 mm dia	Each	4.00				
K.19.2	MR	75 mm dia	Each	2.00				
K.20	MR	Providing and fixing double equal ISI marked PVC junction of required degree						
K.20.1	MR	100x100x100mm	Each	4.00				
K.20.2	MR	75x75x75mm	Each	1.00				
K.21	MR	Providing and fixing ISI marked PVC trap of self cleansing design including lubrication etc complete with door						
K.21.1	MR	100 mm inlet 75mm outlet	Each	10.00				
K.22	MR	Providing and fixing ISI marked Type A PVC pipe for sewer drainage including jointing with seal ring and all the necessary fittings, elbows, hardwares etc. complete.						
K.22.1	MR	160mm dia	Metre	35.00				
K.23	MR	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand: 10 graded stone aggregate 40mm nominal size) around PVC pipes including bed concrete as per standard design						
K.23.1	MR	160mm dia	Metre	35.00				
K.24	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber 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:						
K.24.1	19.4.1	100x100 mm size P type						
K.24.1.1	19.4.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	5.00				
K.25	12.41	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.						
K.25.1	12.41.2	110 mm diameter	Metre	32.00				
K.26	12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.						
K.26.1	12.42.5	Bend 87.5°						
K.26.1.1	12.42.5.2	110 mm bend	Each	4.00				
K.26.2	12.42.6	Shoe (Plain)						
K.26.2.1	12.42.6.2	110 mm Shoe	Each	4.00				
K.27	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :						
K.27.1	19.7.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :						
K.27.1.1	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	5.00				
K.28	19.8	Extra for depth for manholes :						
K.28.1	19.8.1	Size 90x80 cm						

K.28.1.1	19.8.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	1.00				
K.29	19.21	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :						
K.29.1	19.21.1	For pipes 100 to 250 mm diameter	Each	1.00				
K.30	19.32	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.						
K.30.1	19.32.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1.00				
K.31	MR	Providing and fixing semi unitized structural glazing system to support / hold glass having main frame work of mullions 63 x 57 x 2mm wt. 1.715 kg/m of designed extruded sections to with stand and fabricated at all levels, elevation and heights. The extruded section shall be finished with electrolytic colour anodised of minimum 15 microns extruded section shall be of 6063 T6 alloy. Fastening, straps, nuts, bolts, rivets, washers and other fastening materials shall be in stainless steel. Rate shall include EPDM, approved silicon sealant of recommended grade from DOW corning / equivalent etc, complete for a full proof system. (Glass: 6mm Reflectasol Green / Blue.	Sqm	9.00				
		GRAND TOTAL (In Rs.)						
		GRAND TOTAL (In Lakhs.)						