

PUBLIC HEALTH WORKS DIVISION - JUNAGADH.

P.H.S. SUB-DIVISION Keshod

Name of Scheme : M&R To Maliya part-1 RWSS**Name Of Work: Chorination Plant Arrangement At Amarapur HW& Babra SHW****Taluka : Maliya Dist : Junagadh**

Memorandum Showing the approximate Quantities for the item of work to be carried out for the construction of above work& Approximate Amount put to tender Rs.1314119.00

SCHEDULE - B

	Item No:1			
	Excavation for foundation upto 1.50 mt.depth including sorting out and stacking useful material and disposing of the excavated stuff upto 50 mt.lead.			
25.36	(B) Dense or Hard Soil.	269.87	Cum	6843.90
6.42	(C)Hard Murrum	460.53	Cum	2956.60
2.14	(D) Soft rock not requiring Blasting.	527.00	Cum	1127.78
	Item No:2			
	P.C.C. M-10 levelling Course Providing and casting in situ mass cement concrete in grade M-10 (approx. corresp. to prop. 1.3:6) using granite quartzite trap metal of size 12 mm to 25 mm incl. consolidation curing etc. complete.			
0.97	1. Footing (without form work)	3662.00	Cum	3552.14
0.45	For Ramp(with form work)	3972.00	Cum	1787.40
2.46	Pump House Plinth	3064.60	Cum.	7538.91
	Item No:3			
	Filling in foundation and plinth with murrum or selected soil in layers of 20 cm thickness including watering ramming and consolidating etc. completed.			
1.50	Filling in between Chlorine room and Neutrilation pit	298.79	Cum.	448.18
9.80	For Pump House Plinth	298.79	Cum	2928.14
	Item No:4			
	Providing and cast in situ C.C. in grade M-30 proportions of ingredients as per mix design by weigh batching using granite, quartzite trap metal of size 12 mm to 20 mm and or 6 mm to 12 mm including scaffolding centering formwork, needle vibrated consolidation, curing and hydraulic testing etc. complete (excluding cost of reinforcement) up to 6 meter height /depth Av. G.L.for all water retaining structures. With formwork			
1.60	a). Raft (Flat)	8213.00	Cum.	13140.80
4.56	b) Vertical wall	8747.00	Cum.	39886.32
	Item No:5			
	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift up to 6 meter height or depth below G.L. for all diameters			
0.25	Deformed TMT bars conforming to relevant IS fe 500 grade for all diameters	77504.00	MT	19376.00
	Item No:6			
	Providing TMT bar FE 500 D reinforcement for RCC work including Bending bidding and placing in position complete upto floor two level			
	For Pump House			
	Consider 1.0 % for CC of item no.5 and 6			
	Qty of Concrete for item no 5			

996.52	Steel req. as per 3.0 %	76.52	Kg	76253.71
	Item No:7			
	20 mm.thick cement plastering in C.M.(1:2) using water proofing compound of approved quality include, finishing etc. complete.			
	Inside Plaster			
10.44	Wall.	202.00	Sq.m	2108.88
	Item No:8			
98.00	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 8 mm thick finishing coat of C:M 1:1 (1 Cement : 1 Sand) etc. complete.	339.02	Sq.m	33223.96
	Item No:9			
	Providing and fixing 250 mm pipe 5.2 mm MS railing with 3 Horizontal rows posts of angle iron of size 65 x 8 mm RCC 150 mm at 1.15 mt height and Place at 1.85 mt C/C incl painting two coats and anchor in CC etc. compete			
400.00	Railing LS	77.00	Kg	30800.00
	Item No.10			
20.54	White stone Bela mesonary block in course in superstructure with stone of approved quality in cement Mortar 1:6 (1 Cement: 6 Course Sand) including packing the joints etc. complete	6415.53	Cum.	131774.98
	Item No.11			
4.24	Providing and laying cement concrete work 1:2:4 (1 Cement: 2 Coarse Aggregates 20mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforce concrete work in (B) Slabs, landing, shelves, balconis, lintel, beams, Girders and Cantilever upto floor two level. (upto 10 ton)	4148.43	Cum	17589.34
	Item No. 12			
	Providing formwork of Ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M and removal of the same for in situ reinforced concrete and plain concrete work in (B) flat surfaces such as soffits of suspended floor slabs landing and the like (1) floor etc. upto 200mm in thickness.			
26.12	for coping,lintel,chhajaa,slab	264.60	Sq.m	6911.35
	Item No. 13			
32.80	Providing 15 mm thcik 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 (ii) Cement mortor 1:4 (1-cement:4 sand)	170.34	Sq.m	5587.15
	Item No. 14			
	Extra over for finishing with a floating coat of neat cement slurry.			
	For internal wall finishing (As per Item N0.58 to 64)			
40.80	For Floor Finishing above CC	50.12	Sq.m	2044.90
	Item No. 15			
	Providing and Fixing 35 mm thick shutters for doors, windows and clearstory windows including blackenamelled M.S. butt hinges with necessary screws. (A) Indian teak wood. (ii) Fully Glazed.			
	Door			
6.00	Window	3046.09	Sq.m	18276.54

	Item No.16			
	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete.(A) Shutters having width below 3.5M			
8.00	Rolling Shutter	3519.21	Sq.m	28153.68
	Item No. 17			
	Finishing wall with water proofing cement paint of on wall surface (two coats) to give an approved brand and manufacture and of required shade even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc complete.			
98.00	As per item no. 10	59.71	Sq.m	5851.58
	Item No. 18			
	Distempeing (Two coats) with oil bound washable distemper of approved brand and manufacture and of required shade and manufacture and of required shade on wall surface to give an even shade, over and including a priming coat with alkali resistance primer of approved brand after thoroughly brushing the surface and other foreign matter and also including preparing the surface even and sand parpered smooth			
32.80	As per item no. 8	74.93	Sq.m	2457.70
	Item No.19			
	Providing, Supplying & installing Vacuum Control Direct wall mounted gas chlorinator including necessary fittings, installation and commissioning of plantincl. Clamp, copper pipe, ferule filter & control valve with injector. (Devghdh HW)			
2.00	3kg/hr Capacity	152131.00	Nos	304262.00
	Item No. 20			
4.00	Supplying and Erection of approved make self priming domestic monoblock water pump with 1 Hp motor suitable for operation on 230 volt 50c/s, AC supply with metallic flange and MS impeller delivery of following discharge (B) 100 LPM 14 mt head suitable for 25mm dia delivery, Cat-II	8823.00	Nos	35292.00
	Item No. 21			
80.00	Providing laying and Jointing in true line and level 25 mm dia UPVC PIPE (SCH 40) for cold water including fittings make PRINCE/SUPREME/ASTRAL/FINOLEX or equivalents as approved by EIC,Pipe 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.	90.93	Rmt	7274.40

	Item No. 22			
100.00	Providing laying and Jointing in true line and level 40 mm dia UPVC PIPE (SCH 40) for cold water including fittings make PRINCE/SUPREME/ASTRAL/FINOLEX or equivalents as approved by EIC,Pipe 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.	146.65	Rmt	14665.00
	Item No. 23			
4.00	Providing supplying Chlorine Gas cylinder empty of required capacity with necessary explosive certificates incl. all taxes.Chlorine cylinder 100 Kg.	26945.00	Nos	107780.00
	Item No. 24			
4.00	Refilling of Chlorine gas in cylinder including transportation to and from factory Chlorine cylinder 100 Kg.	1741.00	Nos	6964.00
	Item No. 25			
4.00	Transportation of Chlorine Gas Cylinder with loading, unloading, Cylinder transportation should have a Licence public liability insurance at 1991 Chlorine cylinder 100 Kg.	1451.00	Nos	5804.00
	Item No. 26			
2.00	Providing & Supplying digital chlorine detector/monitor meter 0 - 20 ppm capacity	62551.00	Nos	125102.00
	Item No. 27			
2.00	Providing & Supplying Safety Kit for chlorine cylinder - 100 kg toner.	40418.00	Nos	80836.00
	Item No. 28			
4.00	Providing & Supplying air breathing apparatus as per IS : 10245 Part - II (With 45 minutes duration cylinder)	41380.00	Nos	165520.00
				1314119.34
			Say	1314119.00

Above rates are including all type of tax but excluding

Note : 18 % GST, it will be paid extra on estimated cost

We are willing to carry out the work at_____.

% above / below_____.

(Should be written in figure and words) the estimated cost mentioned above.

Amount of My / our tender works out as tender

Estimated amount put to tender

Rs._____.

Deducted Rs. _____.

(_____ % Below)

Net Rs._____.

In Words_____.

_____.

Estimated amount put to tender

Rs._____.

Add Rs. _____.

(_____ % Above)

Net Rs._____.

In Words_____.

_____.

Signature of contractor

**Executive Engineer,
P.Health Works Division,
Junagadh**

**Deputy Executive Engineer
P.H. Sanitary Sub-Division
Keshod**