

PANCHAYAT IRRIGATION DIVISION - DAHOD
MINOR IRRIGATION SUB DIVISION, JHALOD

Memorandum
 Showing
 Items To be
 carried out :-

Repair and Maintenance works of Motihandi Minor Irrigation Scheme, Taluka-Jhalod, Dist.: Dahod

Bill of Quantities

Quantities Estimated but may be more or less	Item of works	Estimated Rates		Unit	Total Amount according to estimated Quantities in Rs.
		In Figures	In Words(Rs)		
1	2	3(A)	3(B)	4	5
	ITEM NO : 1				
109.90	Removing old HR Gate: Removing the old gate from site removing rust, broken old plates channels etc. as directed & all type of transportation etc. comp	70.30	Rupees Seventy and Thirty Paise Only	Kg	₹ 7,725.97
	ITEM NO : 2				
8.06	Dismantling of C.C.: Dismantling the existing foundation concrete including sorting out the dismantled stuff and stacking the useful material, removing the debris and making good the damages etc. complete as and where directed. Cement Concrete	1155.20	Rupees One Thousand One Hundred Fifty Five and Twenty Paise Only	Cum	₹ 9,310.91
	ITEM NO : 3				
124.43	Dismantling of Brick Masonry.: Dismantling the existing brick masonry including sorting out and stacking the useful material and removing the debris and making good the damages etc. complete as directed. In Cement Mortar	750.90	Rupees Seven Hundred Fifty and Ninety Paise Only	Cum	₹ 93,434.49
	ITEM NO : 4				
2.66	Dismantling of R.C.C.: Dismantling the R.C.C. work and disposing off the stuff including stacking of the useful materials etc. complete as directed. Light Reinforcement (Main bar upto 16 mm. dia.)	1732.80	Rupees One Thousand Seven Hundred Thirty Two and Eighty Paise Only	Cum	₹ 4,609.24
	ITEM NO : 5				
25.00	Dismantling R.C.C. Pipe: Dismantling the existing R.C.C. Pipes including sorting out and stacking of the useful materials of the following diameters including refilling the trenches etc. complete as directed. NP_2 pipes 600 mm. to 900 mm.	866.40	Rupees Eight Hundred Sixty Six and Forty Paise Only	Rmt	₹ 21,660.00

	ITEM NO : 6				
943.32	Excavation: (yellow sandy gravelly soils ,soft & hard murrum etc.) Excavation for foundation in all sorts of soil including yellow sandy gravelly soils ,soft & hard murrum etc. in dry condition including depositing the excavated stuff in uniform layers in banks or as and where directed etc. complete for lead up to 500m and all lift. (BY MACHINERY) Including dewatering.	107.80	Rupees One Hundred Seven and Eighty Paisa Only	Cum	₹ 1,01,689.90
	ITEM NO : 7				
3.76	HR Gate: Providing fabricating and erecting in position service gate and emergency gate including finishing, hoisting arrangement embaded parts as per approved design and drawing with painting as directed etc. complete.	343214.50	Rupees Three Lacs Forty Three Thousand Two Hundred Fourteen and Fifty Paisa Only	Sqmt	₹ 12,90,486.52
	ITEM NO : 8				
21.59	Concrete (For PCC): Providing & Laying in position "NOMINAL MIX" cement concrete using cement, sand and crushed aggregate by mass and machine mix for C.C./R.C.C work incl. necessary formworks centering, scaffolding, compaction by vibrator, curing as directed with all lead & lift etc complete Without Dewatering and excluding cost of steel reinforcement. For Foundation concrete / General purpose (C. C. Nominal Mix, M-10 and MSA-	3346.00	Rupees Three Thousand Three Hundred Forty Six Only	Cum	₹ 72,240.14
	ITEM NO : 9				
136.96	Concrete work: Providing & Laying in position "DESIGN MIX" cement concrete using cement sand and crushed aggregate for C.C./ R.C.C work by "FLORI" including necessary formwork, centering, scaffolding, compaction by vibrator, curing as directed with all lead & lift etc complete without dewatering and excluding the cost of steel reinforcement. For Column / Beam / Solid Slab of Road Bridge / Barrel / Cutoff wall etc. (Concrete grade M-25 and MSA-20	5642.00	Rupees Five Thousand Six Hundred Forty Two Only	Cum	₹ 7,72,728.32
	ITEM NO : 10				

9.20	Reinforcement: Providing & Placing in position reinforcement bars including cutting, bending, welding joints where necessary, hooking etc. complete as per drawing for all lead and lifts. TMT / CRS (FE 500 D)	82019.00	Rupees Eighty Two Thousand Nineteen Only	M.T.	₹ 7,54,574.80
	ITEM NO : 11				
17.40	Steel ladder: Providing Fabricating and erecting a steel ladder M.S. Angle 50 X 30 X 6 mm in the H.R. well as per design to approach the H.R. gates from top of H.R. well etc complete as directed	1201.60	Rupees One Thousand Two Hundred One and Sixty Paise Only	Rmt.	₹ 20,907.84
	ITEM NO : 12				
2.00	Manhole Cover: Providing and fixing C.I. Manhole cover 0.60 M. x 0.45M. size having weight not less than 35Kg.	958.17	Rupees Nine Hundred Fifty Eight and Seventeen Paise Only	Each	₹ 1,916.34
	ITEM NO : 13				
11.40	Door & Window: Providing & fixing of steel door & window of required size incl. Cutting, welding, putting in position, painting, in three coats etc. complete	18941.00	Rupees Eighteen Thousand Nine Hundred Forty One Only	Sqm	₹ 2,15,927.40
	ITEM NO : 14				
30.00	Providing and fixing NP-3, R.C.C. pipe: Providing and fixing in position (different diameter) I.S.,NP-3 class reinforced pipe with caulking the joints with cement mortar 1:1 proportion,using jute string soaked in cement slurry, finishing joints and laying pipes to the designed grade and levels, curing etc. complete for all leads and lifts. NP-3 class 600 MM dia pipe.	2039.60	Rupees Two Thousand Thirty Nine and Sixty Paise Only	Meter	₹ 61,188.00
	ITEM NO : 15				
2.00	Coffer Dam: Construction and Removal of Cofferdam to facilitate Repair and Construction of Head Regulator in water by making earthen embankment, protecting the cofferdam by cement bags (filled with local soil), dewatering and other allied activities etc complete	142000.00	Rupees One Lacs Forty Two Thousand Only	Job	₹ 2,84,000.00

	ITEM NO : 16				
14.91	Steps in brick/ stone masonry: Constructing 1 m. wide steps in brick/ stone masonry in c.m. 1 :5 dam slopes as per approved drawing including excavation etc. complete for zero leads and lifts. (Using bricks works.)	2433.20	Rupees Two Thousand Four Hundred Thirty Three and Twenty Paisa Only	Rmt	₹ 36,279.01
	ITEM NO : 17				
35.01	G.I Railing: Providing and fixing post and 40 mm dia pipe railing as per detailed drawing including angle iron post of size 80mm x 50mm x 10mm (Height 1.2mt) fixed in C.C. block (M-15 MSA-20mm) of size 0.30 m x 0.30 m x 0.30 m etc. as per specifications including 3 coats of oil painting to steel work and as directed etc. complete.	2165.10	Rupees Two Thousand One Hundred Sixty Five and Ten Paisa Only	meter	₹ 75,800.15
	ITEM NO : 18				
330.24	Painting: 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	117.40	Rupees One Hundred Seventeen and Forty Paisa Only	Sqm	₹ 38,770.18
	ITEM NO : 19				
709.20	Back filling: Backfilling the foundation trenches around the structures etc with selected excavated stuff including watering, ramming, compacting etc complete (Bv Machinery)	36.90	Rupees Thirty Six and Ninety Paisa Only	Cum	₹ 26,169.48
	ITEM NO : 20				
20147.05	Cleaning the slope of dam within the dam boundry by removing the bushes,shrubs girth and small trees including depositing the materials as and where directed up to 50 mt. and all lift etc completed.	4.90	Rupees Four and Ninety Paisa Only	Sqmt	₹ 98,720.55
	ITEM NO : 21				
2902.00	Deepening of tank in all type of soil with yellow, sandy, gravelly soil including wet and slushy condition of soil including soft murrum & hard murrum by machinery including conveying and spreading excavated stuff as & where directed with lead up to 1.00 km and all lift etc complete	82.60	Rupees Eighty Two and Sixty Paisa Only	Cum	₹ 2,39,705.20

	ITEM NO : 22				
9415.95	Providing and laying dry rubble pitching of various thickness to required grade including trimming of earth work, hand packing the interstices with spauls, filling earth in interstices panelling complete for all leads and lifts. 230 MM THICK	339.80	Rupees Three Hundred Thirty Nine and Eighty Paisa Only	Sqmt	₹ 31,99,539.81
	ITEM NO : 23				
1.08	Providing & Laying in position "NOMINAL MIX" cement concrete using cement, sand and crushed aggregate by mass and machine mix for C.C./R.C.C work incl. necessary formworks centering, scaffolding, compaction by vibrator, curing as directed with all lead & lift etc complete Without Dewatering and excluding cost of steel reinforcement. For Foundation concrete / General purpose (C. C. Nominal Mix, M-20 and MSA-	4296.00	Rupees Four Thousand Two Hundred Ninety Six Only	Cum	₹ 4,639.68
	ITEM NO : 24				
1.00	Providing and fixing in position 1.80 m high above finished ground level sign boards of standard size 0.45 m x 0.30m with M.S. angle 40mm x 40mm x 6mm with 3mm thick iron plate in 1:5:10 proportion concrete block size 40cm x 40cm x 75 cm including radium paint on both side etc. complete.	1365.00	Rupees One Thousand Three Hundred Sixty Five Only	No.	₹ 1,365.00

	ITEM NO : 25				
9.10	Providing and fixing gauge posts with 15 Cm. Wide enamelled gauge plate including M.S. channel (130 mm x 75 mm x 5 mm) of standard design and section and of required length of specified location etc. complete	719.50	Rupees Seven Hundred Nineteen and Fifty Paisa Only	Rmt	₹ 6,547.45
	Total			₹ 74,39,936.38	
Rupees Seventy Four Lacs Thirty Nine Thousand Nine Hundred Thirty Six and Thirty Eight Paisa Only					