



Detailed Estimate

Irrigation & Water Resources Department, Haryana



Office Name:

Division : Mahendragarh WS Divn Mahendragarh[M/Garh W.S. Divn. M/Garh]

Circle :JLN W.S. Circle Narnaul[JLN CIRCLE, NARNAUL]

Name of Work -{Code}:

Estimate for Laying pressurized pipeline for connecting various ponds in village Mandola including the construction of Pump House, Pumping Machinery, and other allied works including running and maintenance for three years. [IRR/2023-24/44003]

Estimate Cost:

Rs. 481.76 Lakhs [Adm. Approved Status : Yes, 19/06/2023]

Technical Approval Cost:

Rs. 528.45 Lakhs

Revised Adm Approval Cost:

Rs. 0.00 Lakhs

Item Type	Item Cost	Total Charges	Total Cost
HSR Items	₹3,75,48,275	₹89,17,715	₹4,64,65,990
NS Items	₹53,71,823	₹10,07,217	₹63,79,040
Total	₹4,29,20,098	₹99,24,932	₹5,28,45,030

Days in which work is likely to be completed:

300 Days

Location of Estimate

Village:MANDOLA

Assembly Constituency:

MAHENDERGARH

District:

MAHENDRAGARH

Work Category:

Other



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Work Name: Estimate for Laying pressurized pipeline for connecting various ponds in village Mandola including the construction of Pump House, Pumping Machinery, and other allied works including running and maintenance for three years.

ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
Main-Component : Laying of Pressurized Pipeline							
Sub-Component :- Laying of Pipeline and Excavation of Ponds							
1	HSR	HSR Item 22.162.3.1 -Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 3.1. 150 mm diameter Class I HSR Rate(Rs.) 7720.00 Through Rate	Each	4.000	7720.00	30880	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Nos	1.00/4.000	0.000	0.000	0.000	4.000
							4.000
2	HSR	HSR Item 4.16.1.2 -Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : 1.2. Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia HSR Rate(Rs.) 62.00 Through Rate	Metre	11268.300	62.00	698635	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Total pipe length 8000 plus 2500 plus 134.15*2 plus 500	1.00	11268.300	0.000	0.000	11268.300
							11268.300
3	HSR	HSR Item 20.11.3 -Providing and fixing cast iron double flanged swing check type reflux (non return) valves PN-1.6 marked with IS:5312 including nuts and bolts marked with IS:1363, rubber sheet marked with IS:638 etc., carriage loading, unloading, stacking, handling, re-handling etc. Complete in all respect to the satisfaction of Engineer-in-charge 3. 150 mm i/d HSR Rate(Rs.) 5746.00 Through Rate	Each	2.000	5746.00	11492	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Nos	1.00/2.000	0.000	0.000	0.000	2.000
							2.000

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
4	HSR	HSR Item 20.68.1 -Providing, lowering, laying in trenches, aligning, fixing in position and jointing at all level/depths Ductile Iron (DI) standard specials plain /flanged/ socketed confirming to IS9523-2000 with rubber ring (EPDM/SBR) joints such as tees, bends, tapers, caps etc. with in trenches in DI pipe line complete including all material, labour, testing and commissioning along with pipe line as per Technical Specifications and as per direction of Engineer. 1. Up to 300mm dia HSR Rate(Rs.) 64.00 Through Rate	Per Kg.	600.000	64.00	38400	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Qty	1.00/600.000	0.000	0.000	0.000	600.000
							600.000
5	HSR	HSR Item 4.12.1 -Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead up to 50 m and lift up to 1.5 m, as directed by Engineer-in-charge. 1. All kinds of soil HSR Rate(Rs.) 78.00 Through Rate	cum	23800.310	78.00	1856424	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Excavation for 2 Nos Pons	2.00	62.484	62.484	3.048	23800.310
							23800.310
6	HSR	HSR Item 20.15.2 -Providing and fixing C.I. Kinetic air valves conforming to and marked with IS: 14845 including carriage, loading, unloading stacking, handling, re-handling etc., drilling, tapping, screwing in valves connections complete in all respects to the satisfaction of Engineer-in- Charge. 2. 100 mm i/d HSR Rate(Rs.) 3152.00 Through Rate	Each	11.000	3152.00	34672	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Nos	1.00/11.000	0.000	0.000	0.000	11.000
							11.000
7	HSR	HSR Item 22.162.1.1 -Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 1.1. 100 mm diameter Class I HSR Rate(Rs.) 5044.00 Through Rate	Each	11.000	5044.00	55484	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Nos	1.00/11.000	0.000	0.000	0.000	11.000
							11.000

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
8	HSR	HSR Item 20.63.2 - Providing, lowering, laying in trenches, aligning, fixing in position and jointing Ductile Iron (DI) ISI marked K-9 grade SandS pipes as per 15:8329-2000 (amended up to date), with internal cement mortar lining for potable water with rubber ring (EPDM/SBR) joints as per IS: 5382-1985 (excluding special accessories) complete including all material, labour, hydraulic testing and commissioning as per Technical Specifications and as per direction of Engineer. Note: E/W to be measured and paid separately. ` 2. 150 mm i/d HSR Rate(Rs.) 1373.00 Through Rate	Per Metre	634.150	1373.00	870688	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		DI pipe P2 to T3	1.00	500.000	0.000	0.000	500.000
		DI pipe P1 to T1	1.00	134.150	0.000	0.000	134.150
							634.150
9	HSR	HSR Item 20.63.5 - Providing, lowering, laying in trenches, aligning, fixing in position and jointing Ductile Iron (DI) ISI marked K-9 grade SandS pipes as per 15:8329-2000 (amended up to date), with internal cement mortar lining for potable water with rubber ring (EPDM/SBR) joints as per IS: 5382-1985 (excluding special accessories) complete including all material, labour, hydraulic testing and commissioning as per Technical Specifications and as per direction of Engineer. Note: E/W to be measured and paid separately. ` 5. 300 mm i/d HSR Rate(Rs.) 3075.00 Through Rate	Per Metre	8000.000	3075.00	24600000	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Sump to P1	1.00	8000.000	0.000	0.000	8000.000
							8000.000
10	HSR	HSR Item 20.63.3 - Providing, lowering, laying in trenches, aligning, fixing in position and jointing Ductile Iron (DI) ISI marked K-9 grade SandS pipes as per 15:8329-2000 (amended up to date), with internal cement mortar lining for potable water with rubber ring (EPDM/SBR) joints as per IS: 5382-1985 (excluding special accessories) complete including all material, labour, hydraulic testing and commissioning as per Technical Specifications and as per direction of Engineer. Note: E/W to be measured and paid separately. ` 3. 200 mm i/d HSR Rate(Rs.) 1865.00 Through Rate	Per Metre	134.150	1865.00	250190	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		DI pipe P2 to T2	1.00	134.150	0.000	0.000	134.150
							134.150

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
11	HSR	HSR Item 20.63.4 - Providing, lowering, laying in trenches, aligning, fixing in position and jointing Ductile Iron (DI) ISI marked K-9 grade SandS pipes as per 15:8329-2000 (amended up to date), with internal cement mortar lining for potable water with rubber ring (EPDM/SBR) joints as per IS: 5382-1985 (excluding special accessories) complete including all material, labour, hydraulic testing and commissioning as per Technical Specifications and as per direction of Engineer. Note: E/W to be measured and paid separately. ` 4. 250 mm i/d HSR Rate(Rs.) 2485.00 Through Rate	Per Metre	2500.000	2485.00	6212500	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		from P1 to P2	1.00	2500.000	0.000	0.000	2500.000
							2500.000
	Sub-Component Total Amount					34659364	
	Main-Component : Laying of Pressurized Pipeline						
	Sub-Component :- Civil Works at Pump House						
12	HSR	HSR Item 23.8.11.1 -FITTING AND ACCESSORIES 11.1. Providing and fixing modular type accessories of approved make in existing box including fixing and making necessary connections, complete in all respect. 5 amp 1 way switch HSR Rate(Rs.) 41.00 Through Rate	Each	10.000	41.00	410	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Qty	1.00/10.000	0.000	0.000	0.000	10.000
							10.000
13	HSR	HSR Item 10.8 -Providing and laying of conglomerate floor 40mm thick cement concrete topping 1:2:4 HSR Rate(Rs.) 181.00 Through Rate	Sqm	41.178	181.00	7453	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Floor	1.00	4.540	9.070	0.000	41.178
							41.178
14	HSR	HSR Item 13.9.1 -Providing and fixing fly proof wire gauze to windows, clerestory windows and doors with M.S. Flat 15x3 mm and nuts and bolts complete. 1. Galvanised M.S. Wire gauze with 0.63 mm dia wire and 1.4 mm aperture on both sides HSR Rate(Rs.) 506.00 Through Rate	Sqm	31.068	506.00	15720	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Window	5.00	1.829	1.219	0.000	11.148
		Window W1	5.00	1.500	1.200	0.000	9.000
		Window W2	1.00	1.300	1.200	0.000	1.560
		Ventilator V1	5.00	1.500	1.200	0.000	9.000
		Ventilator V2	1.00	0.600	0.600	0.000	0.360
							31.068

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
15	HSR	HSR Item 13.37.1 -Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 1. 80x1.25 mm M.S. laths with 1.25 mm thick top cover HSR Rate(Rs.) 1993.00 Through Rate	Sqm	9.000	1993.00	17937	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Ramp side	1.00	3.000	3.000	0.000	9.000
							9.000
16	HSR	HSR Item 23.8.3.3 -FITTING AND ACCESSORIES 3.3. Supply and erection of suitable MS/GI Box covered with 5 mm thick Bakelite sheet as below 180 mm X 100 mm X 60 mm deep M.S. Box HSR Rate(Rs.) 112.00 Through Rate	Each	2.000	112.00	224	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Qty	1.00/2.000	0.000	0.000	0.000	2.000
							2.000
17	HSR	HSR Item 23.4.5.1 -COPPER WIRING WITH MODULAR SWITCHES IN PVC CONDUIT (SURFACE/RECESS) 5.1. Wiring in PVC conduit system for 3-pin 15amp. Plug point by using 2 no 4 sqmm FRLS copper wire and 1 no 4 Sqmm FRLS copper wire for earthing , including providing 1 no 15/16 Amp 3/6 pin Modular socket and 1 no 15/16 Amp Modular switch required GI Box , modular face plate etc complete as required Group A HSR Rate(Rs.) 999.00 Through Rate	Each	3.000	999.00	2997	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Qty	1.00/3.000	0.000	0.000	0.000	3.000
							3.000
18	HSR	HSR Item 23.8.12 -FITTING AND ACCESSORIES 12. Supply and Fixing 3 mm thick Bakelite sheet cover on existing MS/PVC junction box/tee etc including fixing with brass screws and washers. HSR Rate(Rs.) 8.00 Through Rate	Each	10.000	8.00	80	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Qty	1.00/10.000	0.000	0.000	0.000	10.000
							10.000

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
19	HSR	HSR Item 23.7.6.1 -PVC CONDUIT PIPE ONLY (SURFACE OR RECESSED) FOR ELECTRICAL POINTS 6.1. Supply and erection of PVC CONDUIT ISI marked (Medium) recessed in wall/ceiling etc. including the cost of PVC bends, inspection boxes, iron hooks and cement concrete etc. complete in all respect up to the entire satisfaction of Engineer-in-Charge of work. PVC pipe of 20 mm dia. HSR Rate(Rs.) 26.00 Through Rate	Metre	100.000	26.00	2600	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Length	1.00	100.000	0.000	0.000	100.000
							100.000
20	HSR	HSR Item 23.4.1.1 -COPPER WIRING WITH MODULAR SWITCHES IN PVC CONDUIT (SURFACE/RECESS) 1.1. Wiring for Light/Fan/call bell point with modular type switch/socket and GI box, Modular type face plate etc in 1.5 sqmm FRLS PVC insulated copper conductor cable in 1.6 mm thick PVC conduit pipe. Group A HSR Rate(Rs.) 520.00 Through Rate	Each	10.000	520.00	5200	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Qty	1.00/10.000	0.000	0.000	0.000	10.000
							10.000
21	HSR	HSR Item 23.22.4.1 -MCCB ,DISTRIBUTION BOARDS, MCB's, RCCB's, CHANGE OVER etc. 4.1. Supply and erection of double door sheet steel enclosure distribution board suitable for MCBS and ELCBS etc. recessed in wall including bonding to earth with all labour and material required to complete the job in all respect up to the entire satisfaction of the Engineer-in-Charge of the work. SPN DB Double Door 4 way (2 incoming and 2 outgoing) HSR Rate(Rs.) 1172.00 Through Rate	Each	1.000	1172.00	1172	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Qty	1.00/1.000	0.000	0.000	0.000	1.000
							1.000
22	HSR	HSR Item 23.4.4.1 -COPPER WIRING WITH MODULAR SWITCHES IN PVC CONDUIT (SURFACE/RECESS) 4.1. Wiring in PVC conduit system for 3-pin 5amp. Plug point by using 2 no 1.5 sqmm FRLS copper wire and 1 no 1.5 Sqmm FRLS copper wire , including providing 1 no 5/6 Amp 3/5 pin Modular type socket and 1 no 5/6 Amp Modular type switch required GI Box ,modular face plate etc complete as required Group A HSR Rate(Rs.) 725.00 Through Rate	Each	3.000	725.00	2175	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Qty	1.00/3.000	0.000	0.000	0.000	3.000
							3.000

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
23	HSR	HSR Item 4.16.1.3 -Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : 1.3. Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm HSR Rate(Rs.) 86.00 Through Rate	Metre	91.440	86.00	7864	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		For connecting siston to sump well	1.00	91.440	0.000	0.000	91.440
							91.440
24	HSR	HSR Item 6.29.3 -Centering and shuttering including strutting, propping etc. and removal of form work for : 3. Columns, piers, abutments, pillars, posts and struts HSR Rate(Rs.) 261.00 Through Rate	Sqm	54.070	261.00	14112	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Column	6.00	1.219	7.391	0.000	54.070
							54.070
25	HSR	HSR Item 23.22.5.1 -MCCB ,DISTRIBUTION BOARDS, MCB's, RCCB's, CHANGE OVER etc. 5.1. Supply and erection of miniature circuit Breaker 240/415 V in the existing distribution board including making necessary connections:- 6 amp. to 32 amp Single Pole HSR Rate(Rs.) 145.00 Through Rate	Each	2.000	145.00	290	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Qty	1.00/2.000	0.000	0.000	0.000	2.000
							2.000
26	HSR	HSR Item 10.1.1.1 -Providing and laying of base course of floors consisting of 100 mm thick cement 1:8:16 and 100 mm sand or stone filling. 1.1. Re-compacting excavated soil in plinth under floors, including watering, ramming, consolidating and dressing complete. HSR Rate(Rs.) 73.00 Through Rate	cum	12.559	73.00	917	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Floor	1.00	4.540	9.070	0.305	12.559
							12.559

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
27	HSR	HSR Item 13.3.3.1 -Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 2.0 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 2.00 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: 3.1. Profile E Fixing with adjustable lugs with split end tail to each jamb HSR Rate(Rs.) 388.00 Through Rate	Metre	204.800	388.00	79462	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Window W1 5*2=10	10.00	10.800	0.000	0.000	108.000
		Window W2 1*2=2	2.00	10.000	0.000	0.000	20.000
		Ventilator V1 5*2=10	10.00	7.200	0.000	0.000	72.000
		Ventilator V2	2.00	2.400	0.000	0.000	4.800
							204.800
28	HSR	HSR Item 9.15 -Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound, laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete. HSR Rate(Rs.) 324.00 Through Rate	Sqm	41.178	324.00	13342	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		On roof	1.00	4.540	9.070	0.000	41.178
							41.178
29	HSR	HSR Item 13.10.2 -Providing and fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 2. 5.5 mm thick glass panes HSR Rate(Rs.) 794.00 Through Rate	Sqm	10.560	794.00	8385	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Window W1	5.00	1.500	1.200	0.000	9.000
		Window W2	1.00	1.300	1.200	0.000	1.560
							10.560
30	HSR	HSR Item 11.8.1 -12 mm cement plaster of mix : 1. 1:4 (1 cement: 4 coarse sand) HSR Rate(Rs.) 82.00 Through Rate	Sqm	310.662	82.00	25474	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Long wall	2.00	9.530	5.100	0.000	97.206
		Short wall	2.00	5.000	5.100	0.000	51.000
		Pillar	8.00	0.690	5.100	0.000	28.152
		Parapit inside and top LW	2.00	9.300	0.830	0.000	15.438
		Parapit inside and top SW	2.00	4.540	0.830	0.000	7.536

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		D/d window W1	5.00	1.500	1.200	0.000	-9.000
		window W2	1.00	1.300	1.200	0.000	-1.560
		Ventilator V1	5.00	1.500	0.600	0.000	-4.500
		Ventilator V1	1.00	0.600	0.600	0.000	-0.360
		Rolling Shutter	1.00	3.000	3.000	0.000	-9.000
		Door	1.00	1.000	2.100	0.000	-2.100
		Ramp	2.00	3.600	0.250	0.000	1.800
		intel shade W1 and V1	10.00	1.500	1.300	0.000	19.500
		intel shade W2	1.00	1.300	1.300	0.000	1.690
		intel shade V2	1.00	0.600	1.300	0.000	0.780
		Door shade	1.00	1.000	1.300	0.000	1.300
		Shutter shade	1.00	3.000	1.300	0.000	3.900
		Long wall inner side	2.00	9.070	4.000	0.000	72.560
		Short wall inner side	2.00	4.540	4.000	0.000	36.320
							310.662
31	HSR	HSR Item 7.22.1 -Brick work with common burnt clay non-modular bricks of class designation 10.5 in superstructure above plinth level up to floor IV level in all shapes and sizes in : 1. Cement mortar 1:4 (1 cement : 4 coarse sand) HSR Rate(Rs.) 3877.00 Through Rate	cum	16.797	3877.00	65122	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		In LW	2.00	8.610	0.230	4.000	15.842
		In SW	2.00	4.540	0.230	4.000	8.354
		Parapit LW	2.00	8.610	0.230	0.600	2.376
		Parapit SW	2.00	4.540	0.230	0.600	1.253
		D/d window W1	5.00	1.500	0.230	1.200	-2.070
		window W2	1.00	1.300	0.230	1.200	-0.359
		Ventilator V1	5.00	1.500	0.230	0.600	-1.035
		Ventilator V1	1.00	0.600	0.230	0.600	-0.083
		Rolling Shutter	1.00	3.000	0.230	3.000	-2.070
		Door	1.00	1.000	0.230	2.100	-0.483
		D/d beam lintel beam 1	2.00	4.540	0.230	0.250	-0.522
		D/d beam lintel beam 2	6.00	2.870	0.230	0.250	-0.990
		D/d slab beam on wall	6.00	2.870	0.230	0.450	-1.782
		D/d slab beam on wall	2.00	4.540	0.300	0.600	-1.634
							16.797

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Detailed Estimate

Irrigation & Water Resources Department, Haryana



ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
32	HSR	HSR Item 6.30.3 -Centering and shuttering including strutting, propping etc. and removal of form for 3. Suspended floors, roofs, landings, balconies and access platform HSR Rate(Rs.) 208.00 Through Rate	Sqm	270.150	208.00	56191	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Slab Beam 201	12.00	2.870	0.450	0.000	15.498
		Slab Beam 202	6.00	2.800	0.600	0.000	10.080
		Slab Beam 203	4.00	4.540	0.600	0.000	10.896
		Slab Beam 204	4.00	4.540	0.600	0.000	10.896
		Gantry base	8.00	0.230	0.450	0.000	0.828
		Gantry side	16.00	0.450	0.450	0.000	3.240
		Slab	1.00	9.070	5.450	0.000	49.432
		Sun Shade W2	1.00	1.200	0.950	0.000	1.140
		Sun Shade Door	1.00	1.000	0.950	0.000	0.950
		Sun Shade W1	5.00	1.500	0.950	0.000	7.125
		Sun Shade V2	1.00	1.200	0.950	0.000	1.140
		Sun Shade Door	1.00	1.000	0.950	0.000	0.950
		Sun Shade V1	5.00	1.500	0.950	0.000	7.125
		Sun Shade Shutter	1.00	3.000	0.950	0.000	2.850
		chamber slab	1.00	10.000	10.000	0.000	100.000
		Beam In chamber slab 8*2=16	16.00	10.000	0.300	0.000	48.000
							270.150
33	HSR	HSR Item 6.30.5 -Centering and shuttering including strutting, propping etc. and removal of form for 5. Lintels, beams, plinth beams, girders, bressumers and cantilevers HSR Rate(Rs.) 296.00 Through Rate	Sqm	39.544	296.00	11705	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Lintel beam B1 2*2=4	4.00	4.540	0.250	0.000	4.540
		Lintel beam B2 6*2=12	12.00	2.870	0.250	0.000	8.610
		Plinth beam 1 6*2=12	12.00	2.870	0.450	0.000	15.498
		Plinth beam 2 2*2=4	4.00	4.540	0.600	0.000	10.896
							39.544
34	HSR	HSR Item 6.30.2 -Centering and shuttering including strutting, propping etc. and removal of form for 2. Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc. HSR Rate(Rs.) 282.00 Through Rate	Sqm	404.960	282.00	114199	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Chamber wall 1st step 4*2=8	8.00	10.160	2.000	0.000	162.560

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ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		Chamber wall 2nd step	8.00	10.100	2.400	0.000	193.920
		Chamber wall above PL	8.00	10.100	0.600	0.000	48.480
							404.960
35	HSR	HSR Item 6.29.1 -Centering and shuttering including strutting, propping etc. and removal of form work for : 1. Foundations, footings, bases for columns HSR Rate(Rs.) 155.00 Through Rate	Sqm	132.778	155.00	20581	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		in Coloumn footing 8*4=32	32.00	2.600	0.150	0.000	12.480
		plinth protection wall inner side	2.00	27.520	0.150	0.000	8.256
		plinth protection wall outer side	2.00	31.840	0.150	0.000	9.552
		for PCC between PPW	2.00	31.680	0.075	0.000	4.752
		Ramp LW	4.00	3.600	0.150	0.000	2.160
		Ramp SW	2.00	3.000	0.150	0.000	0.900
		Ramp below RCC	2.00	3.600	0.100	0.000	0.720
		Chamber	4.00	12.700	0.150	0.000	7.620
		outside room floor	1.00	32.600	0.075	0.000	2.445
		DPC Long wall	4.00	9.530	0.075	0.000	2.859
		DPC Short wall	4.00	5.000	0.075	0.000	1.500
		Coloumn footing 1st step 8*4=32	32.00	2.400	0.250	0.000	19.200
		Coloumn footing 2nd step	32.00	2.400	0.200	0.000	15.360
		Plinth beam 1	12.00	2.870	0.450	0.000	15.498
		Plinth beam 2	4.00	4.540	0.600	0.000	10.896
		Ramp	2.00	3.600	0.150	0.000	1.080
		Chamber Raft	4.00	12.500	0.350	0.000	17.500
							132.778
36	HSR	HSR Item 6.30.6 -Centering and shuttering including strutting, propping etc. and removal of form for 6. Columns, Pillars, Piers, Abutments, Posts and Struts HSR Rate(Rs.) 262.00 Through Rate	Sqm	61.200	262.00	16034	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Column 8*2=16	16.00	0.300	5.100	0.000	24.480
		Column 8*2=16	16.00	0.450	5.100	0.000	36.720
							61.200

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ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
37	HSR	HSR Item 6.25.1 -Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. 1. All works up to plinth level HSR Rate(Rs.) 4464.00 Through Rate	cum	145.809	4464.00	650891	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Coloumn footing 1st step	8.00	2.400	2.400	0.250	11.520
		Coloumn footing 2nd step	8.00	2.400	1.530	0.200	5.875
		Coloumn	8.00	0.300	0.450	2.000	2.160
		Plinth beam 1	6.00	2.870	0.230	0.450	1.782
		Plinth beam 2	2.00	4.540	0.230	0.600	1.253
		Ramp	1.00	3.600	3.000	0.150	1.620
		Chamber Raft	1.00	12.500	12.500	0.350	54.688
		Raft wall 1st step	4.00	10.160	0.325	2.000	26.416
		Raft wall 2nd step	4.00	10.200	0.200	3.000	24.480
		Haunch in chamber bed	4.00	10.000	0.075	0.150	0.450
		Haunch in chamber side end	4.00	4.400	0.075	0.150	0.198
		D/D main hole chamber	2.00	0.600	0.600	0.150	-0.108
		D/D of inlet pipe	1.00	1.000	0.196	0.200	-0.039
		D/d of outlet pipe	1.00	2.000	0.070	0.200	0.028
		chamber slab	1.00	10.000	10.000	0.150	15.000
		motor foundation	2.00	0.975	1.660	0.150	0.486
							145.809
38	HSR	HSR Item 6.25.2 -Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. 2. All works above plinth level up to floor IV level HSR Rate(Rs.) 4502.00 Through Rate	cum	44.762	4502.00	201519	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Coloumn	8.00	0.300	0.450	4.600	4.968
		Lintel beam B1	2.00	4.540	0.230	0.250	0.522
		Lintel beam B2	6.00	2.870	0.230	0.250	0.990

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Detailed Estimate

Irrigation & Water Resources Department, Haryana



ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		Slab Beam 201	6.00	2.870	0.230	0.450	1.782
		Slab Beam 202	3.00	2.800	0.300	0.600	1.512
		Slab Beam 203	2.00	4.540	0.300	0.600	1.634
		Slab Beam 204	2.00	4.540	0.300	0.600	1.634
		Gantry base	8.00	0.230	0.350	0.450	0.290
		Slab	1.00	9.530	5.000	0.150	7.148
		Sun Shade W2	1.00	1.200	0.600	0.113	0.081
		Sun Shade Door	1.00	1.000	0.600	0.113	0.068
		Sun Shade W1	5.00	1.500	0.600	0.113	0.509
		Sun Shade V2	1.00	1.200	0.600	0.113	0.081
		Sun Shade Door	1.00	1.000	0.600	0.113	0.068
		Sun Shade V1	5.00	1.500	0.600	0.113	0.509
		Sun Shade Shutter	1.00	3.000	0.600	0.113	0.203
		chamber slab	1.00	10.000	10.000	0.150	15.000
		Beam In chamber slab	8.00	10.000	0.230	0.450	8.280
		Motor foundation	2.00	0.975	1.660	0.150	0.486
		D/d coloumn and beam in slab	1.00	29.060	0.230	0.150	-1.003
							44.762
39	HSR	HSR Item 6.22.2.2 -Providing and laying in position ready mixed plain cement concrete, with cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge. 2.2. All works up to Plinth Level : M-15 grade plain cement concrete. (cement content considered @ 240 kg/cum) HSR Rate(Rs.) 3772.00 Through Rate	cum	42.448	3772.00	160114	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		in Coloumn footing	8.00	2.600	2.600	0.150	8.112
		plinth protection wall inner side	1.00	27.520	0.380	0.150	1.569
		plinth protection wall outer side	1.00	31.840	0.380	0.150	1.815
		for PCC between PPW	1.00	31.680	0.770	0.075	1.830
		Ramp LW	2.00	3.600	0.640	0.150	0.691
		Ramp SW	1.00	3.000	0.640	0.150	0.288

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Irrigation & Water Resources Department, Haryana



ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		Ramp below RCC	1.00	3.600	3.000	0.100	1.080
		Chamber PCC	1.00	12.700	12.700	0.150	24.194
		outside room floor	1.00	32.600	1.000	0.088	2.869
							42.448
40	HSR	HSR Item 7.83.1 -Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with : 1. Cement mortar 1:6 (1 cement : 6 coarse sand) HSR Rate(Rs.) 2935.00 Through Rate	cum	2.484	2935.00	7291	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		In ramp	1.00	3.600	3.000	0.230	2.484
							2.484
41	HSR	HSR Item 21.95.3 -Providing lowering cutting jointing and testing RCC pipe class NP3 as per IS-458-2003 with spigot and socketed joints manufactured with ISI marked sulphate resistance cement as per ISI 12330 with rubber rings ISI marked antitermite as required at site in to trenches for all depths and laying out the same to correct alignment gradients and levels including dressing and trimming and cutting of concrete beds and side of trenches, if required jointing with rubber rings in trenches and jointing with 1:3/2 cement sand mortar and with end dowels filled with 1:3/2 cement sand mortar and finishing the joints at an angle of 45 degree with faces of spigot of socket joints cutting and finishing the cut surface to a uniform finish etc. as fully described in item No. 21.38, item 21.44, item 21.45, and item 21.46 including cartage loading and unloading complete in all respects. the internal diametric of the sewer being: 3. 450 mm HSR Rate(Rs.) 1569.00 Through Rate	Per Metre	91.440	1569.00	143469	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		for connecting cistern to sump well	1.00	91.440	0.000	0.000	91.440
							91.440
42	HSR	HSR Item 9.18 -Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. HSR Rate(Rs.) 147.00 Through Rate	Each	2.000	147.00	294	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		in roof	1.00/2.000	0.000	0.000	0.000	2.000
							2.000
43	HSR	HSR Item 6.8.1 -Providing and laying damp-proof course with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size) 1. 50 mm thick HSR Rate(Rs.) 178.00 Through Rate	Sqm	6.260	178.00	1114	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		In long wall	2.00	9.070	0.230	0.000	4.172

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Detailed Estimate

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ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		In short wall	2.00	4.540	0.230	0.000	2.088
							6.260
44	HSR	HSR Item 13.21.2 -Supply and fixing Windows frames (Chowkhats) including mullions consisting frame fabricated from sheet roll formed out of 1.2mm thick galvanized sheet as per IS:277 (Base steel as per IS 513) with zinc of 120 gm/sqm and Powder coated with pure Polyester powder up to 50 microns (as per approved colour), 3 Nos. 100mm butt - hinges 2mm thick, 6 Nos. 1.2mm thick CRCA electroplated stiffner, 6 Nos. M.S hold fast with split and tail welded to stiffner plate 200mm long, receiver for aldrop, weld less corner assembly with brackets and screws, M.S tie rod 50mm x 25mm to be fixed at bottom finished with powder coated total thickness of coating 0.6mm of approved shade, fixed in position including the cost of cement concrete for 1:2:4 for fixing lugs complete in all respects as per drawing, design, specification and entire satisfaction of Engineer-in-charge. 2. Door Frame of size 125mm x 60mm with 37mm wide double rebate for 35mm door shutter HSR Rate(Rs.) 1240.00 Through Rate	Metre	81.400	1240.00	100936	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Window W1	5.00	9.600	0.000	0.000	48.000
		Window W2	1.00	7.500	0.000	0.000	7.500
		Ventilation V1	5.00	3.600	0.000	0.000	18.000
		Ventilation V2	1.00	2.400	0.000	0.000	2.400
		Door	1.00	5.500	0.000	0.000	5.500
							81.400
45	HSR	HSR Item 11.67.1 -Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : 1. Water thinnable cement primer HSR Rate(Rs.) 22.00 Through Rate	Sqm	394.280	22.00	8674	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		internal plus external area 226.50 plus 167.78	1.00	1.000	394.280	0.000	394.280
							394.280
46	HSR	HSR Item 11.74.2 -Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 2. Two coats HSR Rate(Rs.) 38.00 Through Rate	Sqm	167.778	38.00	6376	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		12 mm plaster area inside	1.00	1.000	111.330	0.000	111.330
		Slab	1.00	9.070	4.540	0.000	41.178
		Beam LW	2.00	9.070	0.300	0.000	5.442
		Beam SW	4.00	4.540	0.450	0.000	8.172

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Detailed Estimate

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ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		Gantry platform	8.00	0.230	0.900	0.000	1.656
							167.778
47	HSR	HSR Item 11.95.1 -Finishing walls with Acrylic Smooth exterior paint of required shade : 1. New work (Two or more coat applied @ 1.67 litre/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) HSR Rate(Rs.) 88.00 Through Rate	Sqm	226.502	88.00	19932	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Long wall	2.00	9.530	5.100	0.000	97.206
		Short wall	2.00	5.000	5.100	0.000	51.000
		Pillar	8.00	0.690	5.100	0.000	28.152
		Parapit inside and top LW	2.00	9.300	0.830	0.000	15.438
		Parapit inside and top SW	2.00	4.540	0.830	0.000	7.536
		lintel shade W1 and V1	10.00	1.500	1.300	0.000	19.500
		lintel shade W2	1.00	1.300	1.300	0.000	1.690
		lintel shade V2	1.00	0.600	1.300	0.000	0.780
		Door shade	1.00	1.000	1.300	0.000	1.300
		Shutter shade	1.00	3.000	1.300	0.000	3.900
							226.502
48	HSR	HSR Item 21.93.1 -Providing and fixing SFRC MANHOLE COVERS AND FRAMES MARKED WITH IS: 12592 including setting the same to correct lines and levels in 1:3 cement sand mortar over manhole including carriage loading unloading stacking handling re-handling etc. complete in all respects to the satisfaction to the Engineer-in-charge. 1. Type:- Extra Heavy Duty Set (EHD-35) 560MM Clear Opening HSR Rate(Rs.) 1155.00 Through Rate	Each	2.000	1155.00	2310	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		In suction well	1.00/2.000	0.000	0.000	0.000	2.000
							2.000
49	HSR	HSR Item 9.57.2 -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. 2. 110 mm diameter HSR Rate(Rs.) 200.00 Through Rate	Metre	8.000	200.00	1600	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		In roof	2.00	4.000	0.000	0.000	8.000
							8.000

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ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
50	HSR	HSR Item 9.58.5.2 -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. 5.2. Bend 87.5° 110 mm bend HSR Rate(Rs.) 93.00 Through Rate	Each	2.000	93.00	186	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		In rain water pipe	1.00/2.000	0.000	0.000	0.000	2.000
							2.000
51	HSR	HSR Item 22.181 -Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 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. HSR Rate(Rs.) 7.00 Through Rate	Litre	500.000	7.00	3500	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		In roof tank	1.00/500.000	0.000	0.000	0.000	500.000
							500.000
52	HSR	HSR Item 30.28.1 -Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : 1. One or more coats on old work HSR Rate(Rs.) 38.00 Through Rate	Sqm	41.940	38.00	1594	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Window W1 5*2=10	10.00	1.500	1.200	0.000	18.000
		Window W2 1*2=2	2.00	1.300	1.200	0.000	3.120
		Ventilator V1 5*2=10	10.00	1.500	0.600	0.000	9.000
		Ventilator V2 1*2=2	2.00	0.600	0.600	0.000	0.720
		Door	1.00	1.000	2.100	0.000	2.100
		Rolling shutter	1.00	3.000	3.000	0.000	9.000
							41.940
53	HSR	HSR Item 22.85.1 -Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot and cold water supply, including all CPVC plain and brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. 1. 15 mm nominal outer dia Pipes HSR Rate(Rs.) 131.00 Through Rate	Metre	30.000	131.00	3930	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Tank to motor and motor to tank connection	1.00	30.000	0.000	0.000	30.000
							30.000

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ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
54	HSR	HSR Item 6.33.6 -Steel reinforcement for R.C.C. work, where not included in the complete rate of RCC, including straightening, cutting, bending, placing in position, binding, wastage, overlaps, welded joints, spacer bars, chairs, stays, hangers and annealed steel wire etc. complete in all respect below plinth level 6. Thermo-Mechanically Treated bars of grade Fe-500D or more. HSR Rate(Rs.) 61.00 Through Rate	Kg.	15756.270	61.00	961132	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		as per BBS sheet	1.00 /15756.270	0.000	0.000	0.000	15756.270
							15756.270
55	HSR	HSR Item 4.12.1 -Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead up to 50 m and lift up to 1.5 m, as directed by Engineer-in-charge. 1. All kinds of soil HSR Rate(Rs.) 78.00 Through Rate	cum	1254.431	78.00	97846	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		footing cloumn	8.00	2.600	2.600	2.150	116.272
		plinth protection wall inner side	1.00	9.400	0.380	0.450	1.607
		plinth protection wall outer side	1.00	17.400	0.380	0.450	2.975
		for PCC between PPW	2.00	9.400	1.000	0.075	1.410
		Ramp LW	2.00	3.600	0.640	1.150	5.299
		Ramp SW	1.00	3.000	0.640	1.150	2.208
		chamber	1.00	15.150	15.150	4.900	1124.660
							1254.431
56	HSR	HSR Item 7.21.1 -Brick work with common burnt clay non-modular bricks of class designation 10.5 in foundation and plinth in: 1. Cement mortar 1:4 (1 cement : 4 coarse sand) HSR Rate(Rs.) 3693.00 Through Rate	cum	7.191	3693.00	26556	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		plinth protection wall inner Short wall	2.00	4.540	0.230	0.150	0.313
		plinth protection long wall outer side	2.00	11.300	0.230	0.300	1.559
		plinth protection Short wall outer side	2.00	7.000	0.230	0.300	0.966
		Ramp LW 1st step	2.00	3.600	0.460	0.250	0.828
		Ramp LW 2nd step	2.00	3.600	0.360	0.300	0.778
		Ramp LW 3rd step	2.00	3.600	0.230	0.400	0.662
		plinth protection wall inner long wall	2.00	8.510	0.230	0.300	1.174
		Ramp SW 1st step	1.00	3.000	0.460	0.250	0.345
		Ramp SW 2nd step	1.00	3.000	0.360	0.300	0.324

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Detailed Estimate

Irrigation & Water Resources Department, Haryana



ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		Ramp SW 3rd step	1.00	3.000	0.230	0.350	0.242
							7.191
57	NS	NS Item _PandF 0.5 hp horizontal pump ns item	Nos.	1.000	5000.00	5000	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		0.5 HP motor filling water storage tank	1.00/1.000	0.000	0.000	0.000	1.000
							1.000
		Sub-Component Total Amount				2893910	
		Main-Component : Laying of Pressurized Pipeline					
		Sub-Component :- Mechanical Components					
58	NS	NS Item _S/E/C of LT 3.5 core cable aluminium conductor 150 sq mm XLPE insulated Armoured cable by providing suitable size thimble to both ends as per relevant IS code	Metre	150.000	1730.00	259500	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		from transformer to panel	1.00	150.000	0.000	0.000	150.000
							150.000
59	NS	NS Item _S/E/C of LT 3.5 core cable aluminium conductor 70 sq mm XLPE insulated Armoured cable by providing suitable size thimble to both ends as per relevant IS code	Metre	30.000	960.00	28800	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		panel to transformer for 02 no motor	2.00	15.000	0.000	0.000	30.000
							30.000
60	NS	NS Item _S/E/C of EOT crane of 02 ton capacity including all accessories. NS items	Nos.	1.000	1067190.00	1067190	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		for lifting shifting and fixing of motor	1.00/1.000	0.000	0.000	0.000	1.000
							1.000

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Detailed Estimate

Irrigation & Water Resources Department, Haryana



ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
61	NS	NS Item _NS Item - _ S/E/C of MCC/LT Panel in control room of pump house of 630 Amp with incomer ACB 4 pole with 02 no outgoing /MCB each of having MCCB of 200 Amp along with an additional MCB of 63 A mp for lighting load,indicators relays meter push button bus bars and with 02 no fully automatic ATS starters of 75 HP each with MCCB of 200 Amp with contactor rating as 200/200/200 amp of on/off switches in front of motor .For every motor starter with designed capacitor bank of suitable capacity with required step APFCR selector switch duty contactor discharge resistor digital display instrument and other allied accesories for automatic as well as operation of capacitor bank suitable for 02 no motor of capacity 75 HP with a stand of MS channel (1 feet above floor) as per site condition and degree of protection as per IP-54 as per approved technical specification	Nos.	1.000	1175000.00	1175000	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		for motor panel, capacitor bank and ATS motor	1.00/1.000	0.000	0.000	0.000	1.000
							1.000
62	NS	NS Item _NS Item - 3300 LPM Erection and commissioning of Solid shaft motor of capacity 75 HP,3 phase ,440/415 Volt Horizontal motor pumping set for clear water having head 75 m as per the indicated requirements of discharge in cusec and power capacity in HP Make: KSB, CRI, Kirlosker, Crompton Greeve, BCH, Lubi) with HEP 1.79 Cusec, 75 HP with proper foundation.	Nos.	1.000	409950.00	409950	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		solid shaft motor 1 W plus 1 SB	1.00/1.000	0.000	0.000	0.000	1.000
							1.000
		Sub-Component Total Amount				2940440	
		Main-Component : Laying of Pressurized Pipeline					
		Sub-Component :- Operation and Maintenance					
63	NS	NS Item _Complete operation and maintenance of the project for 03 years (2% of the project cost per annum) NS item	Job	1.000	2426383.00	2426383	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Complete operation and maintenance of the project for 03 years (2% of the project cost per annum)	1.00/1.000	0.000	0.000	0.000	1.000
							1.000
		Sub-Component Total Amount				2426383	
		Component Total Amount				42920098	
		Grand Total				42920098	

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Detailed Estimate

Irrigation & Water Resources Department, Haryana



WORK NAME: Estimate for Laying pressurized pipeline for connecting various ponds in village Mandola including the construction of Pump House, Pumping Machinery, and other allied works including running and maintenance for three years.

Final Work Cost Abstract				
Sr.No	Description	Items Amount (Rs)	Total Charges (Rs.)	Total Amount (Rs.)
	Main-Component : Laying of Pressurized Pipeline			
	Sub-Component: Laying of Pipeline and Excavation of Ponds	3,46,59,364	82,31,599	4,28,90,964
	Sub-Component: Civil Works at Pump House	28,93,910	6,87,054	35,80,964
	Sub-Component: Mechanical Components	29,40,440	5,51,333	34,91,773
	Sub-Component: Operation and Maintenance	24,26,383	4,54,947	28,81,330
	Main Component Total	₹4,29,20,098	₹99,24,932	₹5,28,45,030
	Grand Total	₹4,29,20,098	₹99,24,932	₹5,28,45,030

Executive Engineer
IRRIGATION Division
Mahendragarh WS Divn Mahendragarh
[M/Garh W.S. Divn. M/Garh]

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Detailed Estimate

Irrigation & Water Resources Department, Haryana



WORK NAME: Estimate for Laying pressurized pipeline for connecting various ponds in village Mandola including the construction of Pump House, Pumping Machinery, and other allied works including running and maintenance for three years.

Detailed Estimate Abstract Cost (in Rs.)					
Sr. No.	HSR Amount	NS Amount	Permission from Other Department	All Charges	Total Amount
1.	3,75,48,274.93	5371823.00	0.00	9924932.11	5,28,45,030.04
Total :-	3,75,48,275	5371823	0	9924932	5,28,45,030

Package-Wise Abstract Cost (in Rs.)					
Sr. No.	Package Description	HSR Amount	NS Amount	Total Amount	No. of days require for Completion of this Package by Contractor from dt. of start of work.
1.	Package 1- (Component-1). Laying of Pressurized Pipeline	3,75,48,274.93	5371823.00	4,29,20,097.93	320
	Total :-	3,75,48,275	5371823.00	4,29,20,098	

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