



## 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 Duloth including the construction of Pump House, Pumping Machinery, and other allied works including running and maintenance for three years. [IRR/2023-24/60456]

Estimate Cost:

Rs. 741.49 Lakhs [Adm. Approved Status : Yes, 19/06/2023]

Technical Approval Cost:

Rs. 857.75 Lakhs

Revised Adm Approval Cost:

Rs. 0.00 Lakhs

Item Type	Item Cost	Total Charges	Total Cost
HSR Items	₹6,32,20,890	₹1,48,56,909	₹7,80,77,799
NS Items	₹64,95,490	₹12,01,666	₹76,97,156
<b>Total</b>	<b>₹6,97,16,380</b>	<b>₹1,60,58,575</b>	<b>₹8,57,74,955</b>

Days in which work is likely to be completed:

270 Days

Location of Estimate

Village:DULOTH AHIR

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 Duloth 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 :- Pipeline and Ponds							
1	HSR	HSR Item <b>4.16.1.3</b> -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 <b>HSR Rate(Rs.) 86.00 Through Rate</b>	Metre	6000.000	86.00	516000	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Length	1.00	6000.000	0.000	0.000	6000.000
							<b>6000.000</b>
2	HSR	HSR Item <b>4.16.1.2</b> -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 <b>HSR Rate(Rs.) 62.00 Through Rate</b>	Metre	4068.000	62.00	252216	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Length	1.00	4068.000	0.000	0.000	4068.000
							<b>4068.000</b>
3	HSR	HSR Item <b>20.11.3</b> -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 <b>HSR Rate(Rs.) 5746.00 Through Rate</b>	Each	2.000	5746.00	11492	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty.	1.00/2.000	0.000	0.000	0.000	2.000
							<b>2.000</b>

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
4	HSR	HSR Item <b>4.12.1</b> -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 <b>HSR Rate(Rs.) 78.00 Through Rate</b>	cum	92890.596	78.00	7245466	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Excavation for 1 Nos Pond	1.00	129.540	56.388	3.048	22264.121
		Excavation for 3 Nos Ponds	3.00	62.484	56.388	3.048	32217.492
		For tank 45.75 plus 60.35/2=53.05	1.00	53.050	193.870	3.730	38362.317
		For tank Beam Fdn SS	2.00	45.750	0.500	0.200	9.150
		For tank Beam Fdn LS	2.00	187.580	0.500	0.200	37.516
							<b>92890.596</b>
5	HSR	HSR Item <b>6.1.2</b> -Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work below plinth level and up to Floor IV level: 2. 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size) <b>HSR Rate(Rs.) 3476.00 Through Rate</b>	cum	11.190	3476.00	38896	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		For Air Valve CC	10.00	0.305	0.305	1.524	1.416
		for barbed wire cc block	181.00	0.300	0.300	0.600	9.774
							<b>11.190</b>
6	HSR	HSR Item <b>20.63.7</b> - 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. ` 7. 400 mm i/d <b>HSR Rate(Rs.) 4505.00 Through Rate</b>	Per Metre	6000.000	4505.00	27030000	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Length of Pipes	1.00	6000.000	0.000	0.000	6000.000
							<b>6000.000</b>

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
7	HSR	HSR Item <b>20.63.5</b> - 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 <b>HSR Rate(Rs.) 3075.00 Through Rate</b>	Per Metre	134.150	3075.00	412511	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Length of Pipes Point P1 to tank T1	1.00	134.150	0.000	0.000	134.150
							<b>134.150</b>
8	HSR	HSR Item <b>20.15.2</b> -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 <b>HSR Rate(Rs.) 3152.00 Through Rate</b>	Each	11.000	3152.00	34672	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty.	1.00/11.000	0.000	0.000	0.000	11.000
							<b>11.000</b>
9	HSR	HSR Item <b>22.162.3.1</b> -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 <b>HSR Rate(Rs.) 7720.00 Through Rate</b>	Each	4.000	7720.00	30880	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty.	1.00/4.000	0.000	0.000	0.000	4.000
							<b>4.000</b>
10	HSR	HSR Item <b>22.162.1.1</b> -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 <b>HSR Rate(Rs.) 5044.00 Through Rate</b>	Each	11.000	5044.00	55484	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty.	1.00/11.000	0.000	0.000	0.000	11.000
							<b>11.000</b>

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
11	HSR	HSR Item <b>20.68.1</b> -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 <b>HSR Rate(Rs.) 64.00 Through Rate</b>	Per Kg.	400.000	64.00	25600	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty.	1.00/400.000	0.000	0.000	0.000	400.000
							<b>400.000</b>
12	HSR	HSR Item <b>20.63.3</b> - 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 <b>HSR Rate(Rs.) 1865.00 Through Rate</b>	Per Metre	434.150	1865.00	809690	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		From T1 to T2	1.00	134.150	0.000	0.000	134.150
		from P2 to T3	1.00	300.000	0.000	0.000	300.000
							<b>434.150</b>
13	HSR	HSR Item <b>20.63.4</b> - 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 <b>HSR Rate(Rs.) 2485.00 Through Rate</b>	Per Metre	1100.000	2485.00	2733500	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		From P1 to P2	1.00	1100.000	0.000	0.000	1100.000
							<b>1100.000</b>

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
14	HSR	HSR Item <b>6.22.2.2</b> -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) <b>HSR Rate(Rs.) 3772.00 Through Rate</b>	cum	961.329	3772.00	3626133	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Below Beam SS	2.00	45.750	0.500	0.075	3.431
		Below Beam LS	2.00	187.560	0.500	0.075	14.067
		Tank bed	1.00	45.150	185.670	0.075	628.725
		In side slope SS	2.00	53.050	7.940	0.075	63.183
		In side slope LS	2.00	193.870	7.940	0.075	230.899
		Below RCC wall SS	2.00	60.350	0.330	0.075	2.987
		Below RCC wall LS	2.00	201.830	0.330	0.075	9.991
		Ramp Bed	1.00	17.750	3.000	0.075	3.994
		Ramp Slope	1.00	18.010	3.000	0.075	4.052
							<b>961.329</b>
15	HSR	HSR Item <b>6.25.1</b> -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 <b>HSR Rate(Rs.) 4464.00 Through Rate</b>	cum	1363.904	4464.00	6088467	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Beam SS	2.00	45.750	0.300	0.300	8.235
		Beam LS	2.00	187.030	0.300	0.300	33.665
		Tank bed	1.00	45.750	186.270	0.100	852.185
		In side slope SS	2.00	53.050	7.940	0.100	84.243
		In side slope LS	2.00	193.870	7.940	0.100	307.866
		RCC wall SS	2.00	60.350	0.230	0.600	16.657
		RCC wall LS	2.00	201.630	0.230	0.600	55.650

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ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		Ramp	1.00	18.010	3.000	0.100	5.403
							1363.904
16	HSR	HSR Item <b>6.30.1</b> -Centering and shuttering including strutting, propping etc. and removal of form for 1. Foundations, footings, bases of columns, etc. for mass concrete <b>HSR Rate(Rs.) 156.00 Through Rate</b>	Sqm	433.348	156.00	67602	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Below Beam SS	4.00	45.750	0.075	0.000	13.725
		Below Beam LS	4.00	187.560	0.075	0.000	56.268
		Below RCC wall SS	4.00	60.350	0.075	0.000	18.105
		Below RCC wall LS	4.00	201.830	0.075	0.000	60.549
		Ramp Bed	2.00	17.750	0.075	0.000	2.663
		Ramp Slope	2.00	18.010	0.075	0.000	2.702
		Beam SS	4.00	45.750	0.300	0.000	54.900
		Beam LS	4.00	187.030	0.300	0.000	224.436
							433.348
17	HSR	HSR Item <b>6.30.2</b> -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. <b>HSR Rate(Rs.) 282.00 Through Rate</b>	Sqm	314.376	282.00	88654	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		RCC wall SS	2.00	60.350	0.600	0.000	72.420
		RCC wall LS	2.00	201.630	0.600	0.000	241.956
							314.376
18	HSR	HSR Item <b>4.32</b> -Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m. <b>HSR Rate(Rs.) 46.00 Through Rate</b>	cum	99.045	46.00	4556	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		In ramp area $D=0.175 \text{ plus } 3.55/2=1.86$	1.00	17.750	3.000	1.860	99.045
							99.045
19	HSR	HSR Item <b>7.21.1</b> -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) <b>HSR Rate(Rs.) 3693.00 Through Rate</b>	cum	17.732	3693.00	65484	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		In ramp SS	1.00	3.000	0.230	3.550	2.450
		in ramp SS	1.00	3.000	0.230	0.175	0.121

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		in Ramp LS	2.00	18.010	0.230	1.830	15.161
							17.732
20	HSR	HSR Item <b>6.33.6</b> -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. <b>HSR Rate(Rs.) 61.00 Through Rate</b>	Kg.	109346.930	61.00	6670163	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		As per BBS attached	1.00 /109346.930	0.000	0.000	0.000	109346.930
							109346.930
21	HSR	HSR Item <b>6.57</b> -Providing and filling in position bitumen mix filler of proportion 80 kg. of hot bitumen, 1 kg. of cement and 0.25 cubic metre of coarse sand for expansion joints. <b>HSR Rate(Rs.) 13961.00 Through Rate</b>	cum	2.487	13961.00	34721	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		expansion joints for storage tank as per detail	1.00	1.000	2.487	1.000	2.487
							2.487
22	HSR	HSR Item <b>34.29.2</b> -GI barbed wire fencing 2. G.I Barbed Wire Fencing 1.8 Metre High Providing and fixing 1.8 metres high GI barbed wire fencing with 2.4 m angle iron posts 50 mm x 50 mm x 6 mm placed every 3 metres centre to centre founded in M15 grade cement concrete, 0.6 metre below ground level, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with 12 horizontal lines and 2 diagonals interwoven with horizontal wires, fixed with GI staples, turn buckles etc complete as per clause 807 <b>HSR Rate(Rs.) 435.00 Through Rate</b>	Per Metre	540.060	435.00	234926	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		for storage tank boundary	1.00	540.060	0.000	0.000	540.060
							540.060
23	HSR	HSR Item <b>6.29.1</b> -Centering and shuttering including strutting, propping etc. and removal of form work for : 1. Foundations, footings, bases for columns <b>HSR Rate(Rs.) 155.00 Through Rate</b>	Sqm	130.320	155.00	20200	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		for cc block 181*4=724	724.00	0.300	0.600	0.000	130.320
							130.320

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
24	HSR	HSR Item <b>20.63.2</b> - 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 <b>HSR Rate(Rs.) 1373.00 Through Rate</b>	Per Metre	2400.000	1373.00	3295200	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		From P2 to T5	1.00	2400.000	0.000	0.000	2400.000
							<b>2400.000</b>
		<b>Sub-Component Total Amount</b>				<b>59392514</b>	
	<b>Main-Component : Laying of Pressurized Pipeline</b>						
	<b>Sub-Component :- Civil Works at Pump House</b>						
25	HSR	HSR Item <b>23.7.6.1</b> -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. <b>HSR Rate(Rs.) 26.00 Through Rate</b>	Metre	100.000	26.00	2600	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty	1.00	100.000	0.000	0.000	100.000
							<b>100.000</b>
26	HSR	HSR Item <b>23.4.5.1</b> -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 <b>HSR Rate(Rs.) 999.00 Through Rate</b>	Each	3.000	999.00	2997	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty	1.00/3.000	0.000	0.000	0.000	3.000
							<b>3.000</b>
27	HSR	HSR Item <b>10.1.1.1</b> -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. <b>HSR Rate(Rs.) 73.00 Through Rate</b>	cum	12.559	73.00	917	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Floor	1.00	4.540	9.070	0.305	12.559
							<b>12.559</b>

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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.)	
28	HSR	HSR Item <b>23.8.11.1</b> -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 <b>HSR Rate(Rs.) 41.00 Through Rate</b>	Each	10.000	41.00	410	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty	1.00/10.000	0.000	0.000	0.000	10.000
							<b>10.000</b>
29	HSR	HSR Item <b>23.4.4.1</b> -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 <b>HSR Rate(Rs.) 725.00 Through Rate</b>	Each	3.000	725.00	2175	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty	1.00/3.000	0.000	0.000	0.000	3.000
							<b>3.000</b>
30	HSR	HSR Item <b>23.4.1.1</b> -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 <b>HSR Rate(Rs.) 520.00 Through Rate</b>	Each	10.000	520.00	5200	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty	1.00/10.000	0.000	0.000	0.000	10.000
							<b>10.000</b>
31	HSR	HSR Item <b>10.8</b> -Providing and laying of conglomerate floor 40mm thick cement concrete topping 1:2:4 <b>HSR Rate(Rs.) 181.00 Through Rate</b>	Sqm	41.178	181.00	7453	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		in Floor inside	1.00	4.540	9.070	0.000	41.178
							<b>41.178</b>
32	HSR	HSR Item <b>13.10.2</b> -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 <b>HSR Rate(Rs.) 794.00 Through Rate</b>	Sqm	10.560	794.00	8385	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Window W1	5.00	1.500	1.200	0.000	9.000
		Window W2	1.00	1.300	1.200	0.000	1.560
							<b>10.560</b>

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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.)	
33	HSR	HSR Item <b>23.22.4.1</b> -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) <b>HSR Rate(Rs.) 1172.00 Through Rate</b>	Each	1.000	1172.00	1172	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty	1.00/1.000	0.000	0.000	0.000	1.000
							<b>1.000</b>
34	HSR	HSR Item <b>13.9.1</b> -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 <b>HSR Rate(Rs.) 506.00 Through Rate</b>	Sqm	15.420	506.00	7803	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		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 V2	1.00	0.600	0.600	0.000	0.360
							<b>15.420</b>
35	HSR	HSR Item <b>13.37.1</b> -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 <b>HSR Rate(Rs.) 1993.00 Through Rate</b>	Sqm	9.000	1993.00	17937	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Door	1.00	3.000	3.000	0.000	9.000
							<b>9.000</b>
36	HSR	HSR Item <b>9.15</b> -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. <b>HSR Rate(Rs.) 324.00 Through Rate</b>	Sqm	41.178	324.00	13342	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		On roof	1.00	4.540	9.070	0.000	41.178
							<b>41.178</b>

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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.)	
37	HSR	HSR Item <b>13.3.3.1</b> -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 <b>HSR Rate(Rs.) 388.00 Through Rate</b>	Metre	174.800	388.00	67822	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Window W1 5*2	10.00	10.800	0.000	0.000	108.000
		Window W2 1*2	2.00	10.000	0.000	0.000	20.000
		Ventilator V1 5*2	10.00	4.200	0.000	0.000	42.000
		Ventilator V2 1*2	2.00	2.400	0.000	0.000	4.800
							<b>174.800</b>
38	HSR	HSR Item <b>23.8.12</b> -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. <b>HSR Rate(Rs.) 8.00 Through Rate</b>	Each	10.000	8.00	80	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty	1.00/10.000	0.000	0.000	0.000	10.000
							<b>10.000</b>
39	HSR	HSR Item <b>23.8.3.3</b> -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 <b>HSR Rate(Rs.) 112.00 Through Rate</b>	Each	2.000	112.00	224	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty	1.00/2.000	0.000	0.000	0.000	2.000
							<b>2.000</b>
40	HSR	HSR Item <b>23.22.5.1</b> -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 <b>HSR Rate(Rs.) 145.00 Through Rate</b>	Each	2.000	145.00	290	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty	1.00/2.000	0.000	0.000	0.000	2.000
							<b>2.000</b>

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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.)	
41	HSR	HSR Item <b>20.62.6</b> -Providing, lowering, laying, cutting (cut surface to be uniformly finished), jointing with rubber rings marked with IS : 5382 and testing of SPIGOT AND SOCKETTED RCC, NP2 MARKED WITH IS : 458-1988 and specials into trenches for all depths including carriage, loading, unloading, stacking, handling, re-handling etc. complete is all respects to the satisfaction to the Engineer - in -charge. 6. 450 mm i/d <b>HSR Rate(Rs.) 648.00 Through Rate</b>	Per Metre	91.440	648.00	59253	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		For connecting siston to sump well	1.00	91.440	0.000	0.000	91.440
							<b>91.440</b>
42	HSR	HSR Item <b>4.16.1.3</b> -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 <b>HSR Rate(Rs.) 86.00 Through Rate</b>	Metre	91.440	86.00	7864	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		For connecting siston to sump well	1.00	91.440	0.000	0.000	91.440
							<b>91.440</b>
43	HSR	HSR Item <b>11.8.1</b> -12 mm cement plaster of mix : 1. 1:4 (1 cement: 4 coarse sand) <b>HSR Rate(Rs.) 82.00 Through Rate</b>	Sqm	310.662	82.00	25474	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		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
		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

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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.)	
		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	2.00	9.070	4.000	0.000	72.560
		Short wall	2.00	4.540	4.000	0.000	36.320
							<b>310.662</b>
44	HSR	HSR Item <b>7.22.1</b> -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) <b>HSR Rate(Rs.) 3877.00 Through Rate</b>	cum	16.797	3877.00	65122	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		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
							<b>16.797</b>
45	HSR	HSR Item <b>6.30.3</b> -Centering and shuttering including strutting, propping etc. and removal of form for 3. Suspended floors, roofs, landings, balconies and access platform <b>HSR Rate(Rs.) 208.00 Through Rate</b>	Sqm	270.150	208.00	56191	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		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

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ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		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
46	HSR	HSR Item <b>6.29.3</b> -Centering and shuttering including strutting, propping etc. and removal of form work for : 3. Columns, piers, abutments, pillars, posts and struts <b>HSR Rate(Rs.) 261.00 Through Rate</b>	Sqm	61.200	261.00	15973	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		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
47	HSR	HSR Item <b>6.29.1</b> -Centering and shuttering including strutting, propping etc. and removal of form work for : 1. Foundations, footings, bases for columns <b>HSR Rate(Rs.) 155.00 Through Rate</b>	Sqm	132.778	155.00	20581	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		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

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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.)	
		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
							<b>132.778</b>
48	HSR	HSR Item <b>6.30.2</b> -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. <b>HSR Rate(Rs.) 282.00 Through Rate</b>	Sqm	404.960	282.00	114199	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Chamber wall 1st step 4*2=8	8.00	10.160	2.000	0.000	162.560
		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
							<b>404.960</b>
49	HSR	HSR Item <b>6.25.1</b> -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 <b>HSR Rate(Rs.) 4464.00 Through Rate</b>	cum	145.753	4464.00	650641	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		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	0.196	1.000	0.200	-0.039
		D/d of outlet pipe	2.00	0.070	1.000	0.200	-0.028

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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.)	
		chamber slab	1.00	10.000	10.000	0.150	15.000
		motor foundation	2.00	0.975	1.660	0.150	0.486
							<b>145.753</b>
50	HSR	HSR Item <b>6.25.2</b> -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 <b>HSR Rate(Rs.) 4502.00 Through Rate</b>	cum	29.276	4502.00	131801	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		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
		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
		Beam In chamber slab	8.00	10.000	0.230	0.450	8.280
		D/d coloumn and beam in slab	1.00	29.060	0.230	0.150	-1.003
							<b>29.276</b>

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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.)	
51	HSR	HSR Item <b>6.22.2.2</b> -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) <b>HSR Rate(Rs.) 3772.00 Through Rate</b>	cum	42.416	3772.00	159993	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		in Coloumn footing	8.00	2.600	2.600	0.150	8.112
		plinth protection wall inner side	1.00	26.960	0.380	0.150	1.537
		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
		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
							<b>42.416</b>
52	HSR	HSR Item <b>4.12.1</b> -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 <b>HSR Rate(Rs.) 78.00 Through Rate</b>	cum	1254.431	78.00	97846	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		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
							<b>1254.431</b>

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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.)	
53	HSR	HSR Item <b>6.8.1</b> -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 <b>HSR Rate(Rs.) 178.00 Through Rate</b>	Sqm	5.198	178.00	925	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Long wall	2.00	9.030	0.230	0.000	4.154
		Short wall	1.00	4.540	0.230	0.000	1.044
							<b>5.198</b>
54	HSR	HSR Item <b>7.83.1</b> -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) <b>HSR Rate(Rs.) 2935.00 Through Rate</b>	cum	2.484	2935.00	7291	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		In ramp	1.00	3.600	3.000	0.230	2.484
							<b>2.484</b>
55	HSR	HSR Item <b>13.21.2</b> -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 <b>HSR Rate(Rs.) 1240.00 Through Rate</b>	Metre	81.400	1240.00	100936	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		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
							<b>81.400</b>

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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.)	
56	HSR	HSR Item <b>13.6.1</b> -Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. 1. Using M.S. angels 40x40x6 mm for diagonal braces <b>HSR Rate(Rs.) 2738.00 Through Rate</b>	Sqm	2.100	2738.00	5750	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Door	1.00	1.000	2.100	0.000	2.100
							2.100
57	HSR	HSR Item <b>21.93.1</b> -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 <b>HSR Rate(Rs.) 1155.00 Through Rate</b>	Each	2.000	1155.00	2310	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		in chamber	1.00/2.000	0.000	0.000	0.000	2.000
							2.000
58	HSR	HSR Item <b>9.57.2</b> -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 <b>HSR Rate(Rs.) 200.00 Through Rate</b>	Metre	2.000	200.00	400	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		In roof	1.00	2.000	0.000	0.000	2.000
							2.000
59	HSR	HSR Item <b>9.58.5.2</b> -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 <b>HSR Rate(Rs.) 93.00 Through Rate</b>	Each	2.000	93.00	186	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		in Rain water pipe	1.00/2.000	0.000	0.000	0.000	2.000
							2.000
60	HSR	HSR Item <b>22.181</b> -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. <b>HSR Rate(Rs.) 7.00 Through Rate</b>	Litre	500.000	7.00	3500	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		In roof	1.00/500.000	0.000	0.000	0.000	500.000
							500.000

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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	HSR	HSR Item <b>30.28.1</b> -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 <b>HSR Rate(Rs.) 38.00 Through Rate</b>	Sqm	41.940	38.00	1594	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Door	1.00	1.000	2.100	0.000	2.100
		Window W1	10.00	1.500	1.200	0.000	18.000
		Window W2	2.00	1.300	1.200	0.000	3.120
		Ventilator V1	10.00	1.500	0.600	0.000	9.000
		Ventilator V2	2.00	0.600	0.600	0.000	0.720
		Rolling shutter	1.00	3.000	3.000	0.000	9.000
							<b>41.940</b>
62	HSR	HSR Item <b>11.74.2</b> -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 <b>HSR Rate(Rs.) 38.00 Through Rate</b>	Sqm	167.778	38.00	6376	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		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
		Gantry platform	8.00	0.230	0.900	0.000	1.656
							<b>167.778</b>
63	HSR	HSR Item <b>11.95.1</b> -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) <b>HSR Rate(Rs.) 88.00 Through Rate</b>	Sqm	226.502	88.00	19932	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		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
		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

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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.)	
		Shutter shade	1.00	3.000	1.300	0.000	3.900
							226.502
64	HSR	HSR Item <b>11.67.1</b> -Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : 1. Water thinnable cement primer <b>HSR Rate(Rs.) 22.00 Through Rate</b>	Sqm	394.280	22.00	8674	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		internal plus external area 226.50 plus 167.78	1.00	1.000	394.280	0.000	394.280
							394.280
65	HSR	HSR Item <b>21.28</b> -Providing and fixing steel bar embedded plastic steps of size 263mm x 165mm of orange colour, confirming to specification in pump chambers, manholes etc., having minimum 3mm thick polypropylene polymer confirming to is:10910 encapsulated on 12mm dia ribbed steel bars per IS :1786. The rate include cost of setting the same to correct lines and levels duly embedded in 1:2:4 cement concrete including carriage, loading, uploading, stacking, handling, re-handling etc., complete in all respect to the satisfaction of Engineer-in-charge <b>HSR Rate(Rs.) 298.00 Through Rate</b>	Each	25.000	298.00	7450	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		In suction well	1.00/25.000	0.000	0.000	0.000	25.000
							25.000
66	HSR	HSR Item <b>22.85.1</b> -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 <b>HSR Rate(Rs.) 131.00 Through Rate</b>	Metre	30.000	131.00	3930	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		From motor to storage tank	1.00	30.000	0.000	0.000	30.000
							30.000
67	HSR	HSR Item <b>6.33.6</b> -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. <b>HSR Rate(Rs.) 61.00 Through Rate</b>	Kg.	15756.270	61.00	961132	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		As per BBS attached	1.00 /15756.270	0.000	0.000	0.000	15756.270
							15756.270

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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.)	
68	HSR	HSR Item <u>7.21.1</u> -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) <b>HSR Rate(Rs.) 3693.00 Through Rate</b>	cum	7.205	3693.00	26608	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Ramp SW 3rd step	1.00	3.000	0.230	0.350	0.242
		plinth protection wall inner long wall	2.00	8.610	0.230	0.300	1.188
		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
		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
							<b>7.205</b>
69	NS	NS Item _PandF 0.5 hp horizontal pump ns item	Nos.	1.000	5000.00	5000	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		For filling water in water storage tank on roof	1.00/1.000	0.000	0.000	0.000	1.000
							<b>1.000</b>
		<b>Sub-Component Total Amount</b>				<b>2705738</b>	
		<b>Main-Component : Laying of Pressurized Pipeline</b>					
		<b>Sub-Component :- Mechanical Components</b>					
70	NS	NS Item _S/E/C of LT 3.5 core cable aluminium conductor 120 sq mm XLPE insulated Armoured cable by providing suitable size thimble to both ends as per relevant IS code	Metre	30.000	1473.00	44190	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Panel to Motor(02 No)	2.00	15.000	0.000	0.000	30.000
							<b>30.000</b>
71	NS	NS Item _S/E/C of LT 3.5 core cable aluminium conductor 240 sq mm XLPE insulated Armoured cable by providing suitable size thimble to both ends as per relevant IS code	Metre	150.000	2810.00	421500	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		from transformer to panel	1.00	150.000	0.000	0.000	150.000
							<b>150.000</b>

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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.)	
72	NS	NS Item _6300 LPM Erection and commissioning of Solid shaft motor of capacity 110 HP, 3 phase, 440/415 Volt Horizontal motor pumping set for clear water having head 60 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 3.63 Cusec, 110 HP with proper foundation ns item	Nos.	2.000	505700.00	1011400	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		for lifting water 1 working plus 01 Standby	2.00/1.000	0.000	0.000	0.000	2.000
							<b>2.000</b>
73	NS	NS Item _S/E/C of EOT crane of 02 ton capacity including all accessories. NS items	Nos.	1.000	1067190.00	1067190	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		for lifting and shifting motor	1.00/1.000	0.000	0.000	0.000	1.000
							<b>1.000</b>
		<b>Sub-Component Total Amount</b>				<b>2544280</b>	
		<b>Main-Component : Laying of Pressurized Pipeline</b>					
		<b>Sub-Component :- RCC Pipeline</b>					
74	HSR	HSR Item <b>6.1.6</b> -Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work below plinth level and up to Floor IV level: 6. 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size) <b>HSR Rate(Rs.) 2442.00 Through Rate</b>	cum	5.007	2442.00	12227	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Below Hodi	4.00	1.981	1.981	0.152	2.393
		End Wall	1.00	1.524	0.610	0.152	0.141
		For Khurra Inclined Walls	1.00	7.620	1.524	0.152	1.765
		Pond Bed Khurra	1.00	1.524	1.524	0.305	0.708
							<b>5.007</b>
75	HSR	HSR Item <b>6.1.4</b> -Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work below plinth level and up to Floor IV level: 4. 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size) <b>HSR Rate(Rs.) 2911.00 Through Rate</b>	cum	38.088	2911.00	110874	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Top of Hodi walls	16.00	1.448	0.229	0.076	0.404
		Bed of Hodi	4.00	1.219	1.219	0.076	0.453
		Top of Endwall	2.00	1.372	0.457	0.076	0.096
		Top of Khurra Inclined walls	4.00	7.620	0.351	0.076	0.814

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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.)	
		Under Pipe line joints	342.00	0.610	0.610	0.610	77.628
		D/d pipe section	342.00	0.198	1.000	0.610	-41.307
							<b>38.088</b>
76	HSR	HSR Item <b>4.16.1.2</b> -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 <b>HSR Rate(Rs.) 62.00 Through Rate</b>	Metre	853.400	62.00	52911	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Total Length	1.00	853.400	0.000	0.000	853.400
							<b>853.400</b>
77	HSR	HSR Item <b>10.33.1</b> -Providing and laying of brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks: 1. 1:4 (1 cement : 4 coarse sand) <b>HSR Rate(Rs.) 577.00 Through Rate</b>	Sqm	14.864	577.00	8577	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		on ramp	2.00	7.620	0.671	0.000	10.219
		Khurra Bed	2.00	1.524	1.524	0.000	4.645
							<b>14.864</b>
78	HSR	HSR Item <b>21.28</b> -Providing and fixing steel bar embedded plastic steps of size 263mm x 165mm of orange colour, confirming to specification in pump chambers, manholes etc., having minimum 3mm thick polypropylene polymer confirming to is:10910 encapsulated on 12mm dia ribbed steel bars per IS :1786. The rate include cost of setting the same to correct lines and levels duly embedded in 1:2:4 cement concrete including carriage, loading, unloading, stacking, handling, re-handling etc., complete in all respect to the satisfaction of Engineer-in-charge <b>HSR Rate(Rs.) 298.00 Through Rate</b>	Each	16.000	298.00	4768	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		4 in one Hodi	4.00/4.000	0.000	0.000	0.000	16.000
							<b>16.000</b>
79	HSR	HSR Item <b>11.5.3</b> -12 mm cement plaster of mix : 3. 1:4 (1 cement: 4 fine sand) <b>HSR Rate(Rs.) 84.00 Through Rate</b>	Sqm	94.398	84.00	7929	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Hodi Inside walls	16.00	1.219	2.743	0.000	53.512
		Hodi Outside walls	16.00	1.676	0.610	0.000	16.351
		End Wall	2.00	0.671	1.067	0.000	1.431

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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.)	
		Inclined Walls	8.00	7.620	0.381	0.000	23.226
		Inclined Walls	4.00	0.351	0.381	0.000	0.534
		D/d Pipe Section	9.00	0.957	0.076	0.000	-0.656
							94.398
80	HSR	HSR Item <b>7.21.1</b> -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) <b>HSR Rate(Rs.) 3693.00 Through Rate</b>	cum	19.770	3693.00	73011	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Hodi Walls	16.00	1.448	0.229	2.743	14.527
		End Wall	2.00	1.372	1.067	0.457	1.338
		Inclined Walls	4.00	7.620	0.351	0.381	4.071
		D/d Pipe section in Hodi	8.00	0.957	0.076	0.229	-0.133
		D/d Pipe section in end wall	1.00	0.957	0.076	0.457	-0.033
							19.770
81	HSR	HSR Item <b>21.95.1</b> -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: 1. 350 mm <b>HSR Rate(Rs.) 991.00 Through Rate</b>	Per Metre	848.520	991.00	840883	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		From T3 to T4	1.00	853.400	0.000	0.000	853.400
		D/d hodi	4.00	1.220	0.000	0.000	-4.880
							848.520

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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.)	
82	HSR	HSR Item <b>6.33.6</b> -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. <b>HSR Rate(Rs.) 61.00 Through Rate</b>	Kg.	76.000	61.00	4636	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		qty 0.854*0.89	1.00/76.000	0.000	0.000	0.000	76.000
							<b>76.000</b>
83	HSR	HSR Item <b>4.12.1</b> -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 <b>HSR Rate(Rs.) 78.00 Through Rate</b>	cum	105.865	78.00	8257	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		hodi	4.00	2.896	2.896	2.896	97.153
		end wall	2.00	1.524	0.610	0.305	0.567
		khurra inclined wall	2.00	7.620	1.524	0.305	7.084
		khurra bed	1.00	1.524	1.524	0.457	1.061
							<b>105.865</b>
84	HSR	HSR Item <b>6.43</b> -Providing, hoisting and fixing above plinth level up to floor four level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but , excluding cost of reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size). <b>HSR Rate(Rs.) 4174.00 Through Rate</b>	cum	0.854	4174.00	3565	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Covers of Hodis	4.00	1.676	1.676	0.076	0.854
							<b>0.854</b>
	<b>Sub-Component Total Amount</b>					<b>1127638</b>	
	<b>Main-Component : Laying of Pressurized Pipeline</b>						
	<b>Sub-Component :- Operation and Maintenance</b>						
85	NS	NS Item _NS Item- Complete operation and maintenance of the project for 03 years (2% of the project cost per annum) ....	Job	1.000	3946210.00	3946210	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		NS Item- 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
							<b>1.000</b>
	<b>Sub-Component Total Amount</b>					<b>3946210</b>	

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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.)	
		Component Total Amount				69716380	
		Grand Total				69716380	

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## Detailed Estimate

Irrigation & Water Resources Department, Haryana



**WORK NAME:** Estimate for Laying pressurized pipeline for connecting various ponds in village Duloth 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.)
	<b>Main-Component : Laying of Pressurized Pipeline</b>			
	<b>Sub-Component:</b> Pipeline and Ponds	5,93,92,514	1,39,57,241	7,33,49,755
	<b>Sub-Component:</b> Civil Works at Pump House	27,05,738	6,35,598	33,41,336
	<b>Sub-Component:</b> Mechanical Components	25,44,280	4,70,692	30,14,972
	<b>Sub-Component:</b> RCC Pipeline	11,27,638	2,64,995	13,92,633
	<b>Sub-Component:</b> Operation and Maintenance	39,46,210	7,30,049	46,76,259
	<b>Main Component Total</b>	<b>₹6,97,16,380</b>	<b>₹1,60,58,575</b>	<b>₹8,57,74,955</b>
	<b>Grand Total</b>	<b>₹6,97,16,380</b>	<b>₹1,60,58,575</b>	<b>₹8,57,74,955</b>

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 Duloth 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.	6,32,20,890.14	6495490.00	0.00	16058574.84	8,57,74,954.97
<b>Total :-</b>	<b>6,32,20,890</b>	<b>6495490</b>	<b>0</b>	<b>16058575</b>	<b>8,57,74,955</b>

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.	<b>Package 1-</b> (Component-1). Laying of Pressurized Pipeline	6,32,20,890.14	6495490.00	6,97,16,380.14	240
<b>Total :-</b>		<b>6,32,20,890</b>	<b>6495490.00</b>	<b>6,97,16,380</b>	

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