



## 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}:

Rough Cost Estimate for Laying RCC pipeline for connecting Village Pond Bucholi from km.3.000/L of Bucholi Disty. and Excavation of Pond (Under Atal Bhujal Yojna) [IRR/2023-24/68942]

Estimate Cost:

Rs. 39.29 Lakhs [Adm. Approved Status : Yes, 19/06/2023]

Technical Approval Cost:

Rs. 30.85 Lakhs

Revised Adm Approval Cost:

Rs. 0.00 Lakhs

Item Type	Item Cost	Total Charges	Total Cost
HSR Items	₹25,92,723	₹4,92,617	₹30,85,341
<b>Total</b>	<b>₹25,92,723</b>	<b>₹4,92,617</b>	<b>₹30,85,341</b>

Days in which work is likely to be completed:

120 Days

Location of Estimate

Village:BUCHOLI

Assembly Constituency:

MAHENDERGARH

District:

MAHENDRAGARH

Work Category:

Other

**Disclaimer** - Sufficient efforts have been made to make the online calculations accurately. But, calculations are required to be cross checked by each user at each level. Dealing officials will be responsible for checking the accuracy of all Calculation in the estimate in all respect.



## Detailed Estimate

Irrigation & Water Resources Department, Haryana



**Work Name: Rough Cost Estimate for Laying RCC pipeline for connecting Village Pond Bucholi from km.3.000/L of Bucholi Disty. and Excavation of Pond (Under Atal Bhujal Yojna)**

ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
	<b>Main-Component : Pipeline and Brickwork</b>						
	<b>Sub-Component :- Pipeline and Brickwork</b>						
1	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	155.492	3693.00	574232	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Hodi wall	9.00	7.681	0.701	0.762	36.926
		Hodi wall	9.00	7.193	0.579	0.914	34.259
		Hodi wall	9.00	6.279	0.351	1.524	30.229
		Hodi wall	9.00	6.706	0.457	1.887	52.047
		End wall	1.00	1.372	0.457	1.524	0.956
		Inclined wall	2.00	9.144	0.351	0.381	2.446
		Deduction pipe section in Hodies	18.00	0.126	1.000	0.579	-1.313
		Deduction pipe section in End Wall	1.00	0.126	1.000	0.457	-0.058
							<b>155.492</b>
2	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	41.136	2911.00	119747	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		on top of inclined wall	2.00	9.144	0.351	0.076	0.488
		Top of Hodi walls	9.00	6.279	0.351	0.076	1.507
		Bed of Hodi	9.00	1.219	1.219	0.076	1.016
		Top of End wall	1.00	1.372	0.457	0.076	0.048
		khurra Inclined portion	1.00	9.144	1.524	0.152	2.118
		collar joint	496.00	0.533	0.533	0.457	64.520
		D/d of collar joint	496.00	0.126	1.000	0.457	-28.561
							<b>41.136</b>

**Disclaimer -** Sufficient efforts have been made to make the online calculations accurately. But, calculations are required to be cross checked by each user at each level. Dealing officials will be responsible for checking the accuracy of all Calculation in the estimate in all respect.



## Detailed Estimate

Irrigation & Water Resources Department, Haryana



ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
3	HSR	HSR Item <b>9.57.3</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. 3. 150 mm diameter <b>HSR Rate(Rs.) 269.00 Through Rate</b>	Metre	9.144	269.00	2460	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Pipe Connectivity channel to 1st Hodi	1.00	9.144	0.000	0.000	9.144
							<b>9.144</b>
4	HSR	HSR Item <b>5.1.1</b> -Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work manually/ by mechanical means including stacking of serviceable and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge : 1. In lime mortar <b>HSR Rate(Rs.) 534.00 Through Rate</b>	cum	10.202	534.00	5448	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Road Cutting	1.00	9.144	1.829	0.610	10.202
							<b>10.202</b>
5	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	303.502	84.00	25494	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Hodi Outside walls	9.00	7.681	0.914	0.000	63.184
		Deduction pipe section	18.00	0.126	1.000	0.000	-2.268
		Inclined wall side walls	4.00	9.144	0.381	0.000	13.935
		End Wall	2.00	1.372	1.524	0.000	4.182
		End Wall front sides	2.00	1.524	0.457	0.000	1.393
		Deduction pipe section in End Wall	2.00	0.126	1.000	0.000	-0.252
		Hodi inner side walls	9.00	4.877	5.088	0.000	223.328
							<b>303.502</b>
6	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	17.248	2442.00	42120	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		End Wall	1.00	1.524	0.610	0.152	0.141
		For Khurra Inclined wall	1.00	9.144	1.524	0.152	2.118
		Khurra Bed	1.00	1.524	1.524	0.305	0.708
		Below Hodi	9.00	3.231	3.231	0.152	14.281
							<b>17.248</b>

**Disclaimer -** Sufficient efforts have been made to make the online calculations accurately. But, calculations are required to be cross checked by each user at each level. Dealing officials will be responsible for checking the accuracy of all Calculation in the estimate in all respect.



## Detailed Estimate

Irrigation & Water Resources Department, Haryana



ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
7	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	2.521	4174.00	10523	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Covers of Hodi	18.00	1.920	0.960	0.076	2.521
							<b>2.521</b>
8	HSR	HSR Item <b>20.62.3</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. 3. 300 mm i/d <b>HSR Rate(Rs.) 384.00 Through Rate</b>	Per Metre	1239.020	384.00	475784	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Length of pipeline	1.00	1250.000	0.000	0.000	1250.000
		Deduction pipe section by Hodi	9.00	1.220	0.000	0.000	-10.980
							<b>1239.020</b>
9	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	1201.490	62.00	74492	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Trench Length	1.00	1250.000	0.000	0.000	1250.000
		Deduction Hodi length	9.00	5.390	0.000	0.000	-48.510
							<b>1201.490</b>
10	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	72.000	298.00	21456	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Steps in Hodi, 8 steps in 1 Hodi	9.00/8.000	0.000	0.000	0.000	72.000
							<b>72.000</b>

**Disclaimer -** Sufficient efforts have been made to make the online calculations accurately. But, calculations are required to be cross checked by each user at each level. Dealing officials will be responsible for checking the accuracy of all Calculation in the estimate in all respect.



## Detailed Estimate

Irrigation & Water Resources Department, Haryana



ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
11	HSR	HSR Item <b>6.1.3</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: 3. 1:2:4 (1 Cement : 2 coarse sand (zone-II) : 4 graded stone aggregate 40 mm nominal size) <b>HSR Rate(Rs.) 3426.00 Through Rate</b>	cum	5.101	3426.00	17476	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Road Maintenance	1.00	9.144	1.828	0.305	5.101
							<b>5.101</b>
12	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	15510.620	78.00	1209828	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Khurra Bed	1.00	1.524	1.524	0.503	1.168
		Khurra Inclined wall	1.00	9.144	1.524	0.610	8.501
		For Hodi	9.00	5.390	5.390	4.330	1132.160
		For End wall	1.00	1.524	0.610	0.610	0.567
		For Pond	1.00	57.927	57.927	4.267	14318.078
		For road cut	1.00	9.144	1.828	3.000	50.146
							<b>15510.620</b>
13	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.	224.000	61.00	13664	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Steel, 89 times of item 6.43	1.00/224.000	0.000	0.000	0.000	224.000
							<b>224.000</b>
		<b>Sub-Component Total Amount</b>				<b>2592723</b>	
		<b>Component Total Amount</b>				<b>2592723</b>	
		<b>Grand Total</b>				<b>2592723</b>	

**Disclaimer** - Sufficient efforts have been made to make the online calculations accurately. But, calculations are required to be cross checked by each user at each level. Dealing officials will be responsible for checking the accuracy of all Calculation in the estimate in all respect.



## Detailed Estimate

Irrigation & Water Resources Department, Haryana



**WORK NAME:** Rough Cost Estimate for Laying RCC pipeline for connecting Village Pond Bucholi from km.3.000/L of Bucholi Disty. and Excavation of Pond (Under Atal Bhujal Yojna)

Final Work Cost Abstract				
Sr.No	Description	Items Amount (Rs)	Total Charges (Rs.)	Total Amount (Rs.)
	Main-Component : Pipeline and Brickwork			
	Sub-Component: Pipeline and Brickwork	25,92,723	4,92,617	30,85,341
	Main Component Total	₹25,92,723	₹4,92,617	₹30,85,341
	Grand Total	₹25,92,723	₹4,92,617	₹30,85,341

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

**Disclaimer** - Sufficient efforts have been made to make the online calculations accurately. But, calculations are required to be cross checked by each user at each level. Dealing officials will be responsible for checking the accuracy of all Calculation in the estimate in all respect.



## Detailed Estimate

Irrigation & Water Resources Department, Haryana



**WORK NAME:** Rough Cost Estimate for Laying RCC pipeline for connecting Village Pond Bucholi from km.3.000/L of Bucholi Disty. and Excavation of Pond (Under Atal Bhujal Yojna)

Detailed Estimate Abstract Cost (in Rs.)					
Sr. No.	HSR Amount	NS Amount	Permission from Other Department	All Charges	Total Amount
1.	25,92,723.36	0.00	0.00	492617.43	30,85,340.80
<b>Total :-</b>	<b>25,92,723</b>	<b>0</b>	<b>0</b>	<b>492617</b>	<b>30,85,341</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). Pipeline and Brickwork	25,92,723.36	0.00	25,92,723.36	60
<b>Total :-</b>		<b>25,92,723</b>	<b>0.00</b>	<b>25,92,723</b>	

**Disclaimer -** Sufficient efforts have been made to make the online calculations accurately. But, calculations are required to be cross checked by each user at each level. Dealing officials will be responsible for checking the accuracy of all Calculation in the estimate in all respect.