



## 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 RCC Pipeline for connecting village Pond Nihalawas off taking from Km. 0.850/R of Nihalawas Minor.(Under Atal Bhujal Yojana) [IRR/2022-23/23312]

Estimate Cost:

Rs. 5.25 Lakhs [Adm. Approved Status : Yes, 14/10/2022]

Technical Approval Cost:

Rs. 5.08 Lakhs

Revised Adm Approval Cost:

Rs. 0.00 Lakhs

Item Type	Item Cost	Total Charges	Total Cost
HSR Items	₹5,03,045	₹5,030	₹5,08,076
<b>Total</b>	<b>₹5,03,045</b>	<b>₹5,030</b>	<b>₹5,08,076</b>

Days in which work is likely to be completed:

180 Days

Location of Estimate

Village:NIHALAWAS

Assembly Constituency:

MAHENDERGARH

District:

MAHENDRAGARH

Work Category:

Other

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**Work Name: Estimate for Laying RCC Pipeline for connecting village Pond Nihalawas off taking from Km. 0.850/R of Nihalawas Minor.(Under Atal Bhujal Yojana)**

ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
<b>Main-Component : RCC Pipeline</b>							
<b>Sub-Component :- RCC Pipeline</b>							
1	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.) 3260.00 Through Rate</b>	cum	37.542	3260.00	122387	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		D/d for Pipe Section	197.00	0.150	0.610	0.000	-8.494
		Top of Hodi Walls	16.00	1.488	0.229	0.076	0.414
		Bed of Hodi	4.00	1.220	1.220	0.076	0.452
		Top of Endwall	1.00	1.372	0.457	0.076	0.048
		Top of Khurra Inclined Walls	2.00	7.622	0.351	0.076	0.407
		For Pipeline Joints	197.00	0.610	0.610	0.610	44.715
							<b>37.542</b>
2	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.) 4135.00 Through Rate</b>	cum	17.105	4135.00	70729	
		<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	2.744	14.558
		End Wall	1.00	1.372	1.067	0.457	0.669
		Inclined Walls	2.00	7.622	0.351	0.381	2.039
		D/d Pipe Section	8.00	0.150	0.229	0.000	-0.129
		D/d Pipe Section	1.00	0.150	0.457	0.000	-0.032
							<b>17.105</b>
3	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.) 2735.00 Through Rate</b>	cum	5.356	2735.00	14649	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Below Hodi	4.00	1.982	1.982	0.152	2.388
		End Wall	1.00	1.524	0.610	0.152	0.141
		For Khurra Inclined Wall	1.00	9.146	1.524	0.152	2.119
		Pond Bed Khurra	1.00	1.524	1.524	0.305	0.708
							<b>5.356</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>4.14.1</b> -Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. 1. All kinds of soil. <b>HSR Rate(Rs.) 93.00 Through Rate</b>	cum	166.487	93.00	15483	
		<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	0.305	0.284
		Khurra Inclined Wall	1.00	7.622	1.524	0.305	3.543
		Khurra Bed	1.00	1.524	1.524	0.457	1.061
		Hodi	4.00	3.735	3.735	2.896	161.599
							<b>166.487</b>
5	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.) 646.00 Through Rate</b>	Sqm	7.437	646.00	4804	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		on ramp	1.00	7.622	0.671	0.000	5.114
		Khurra Bed	1.00	1.524	1.524	0.000	2.323
							<b>7.437</b>
6	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.) 94.00 Through Rate</b>	Sqm	81.894	94.00	7698	
		<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	1.220	2.744	0.000	53.563
		Hodi Outside walls	16.00	1.677	0.610	0.000	16.368
		End Wall	1.00	0.671	1.067	0.000	0.716
		Inclined Walls	4.00	7.622	0.381	0.000	11.616
		Inclined Walls	2.00	0.351	0.381	0.000	0.267
		D/d pipe section	9.00	0.150	0.000	0.000	-0.636
							<b>81.894</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>6.45</b> -Providing, hoisting and fixing above plinth level up to floor four level precast reinforced cement concrete in mouldings as in cornices, windows sills etc, including setting in cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centering, shuttering but, excluding the 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.) 6795.00 Through Rate</b>	cum	0.854	6795.00	5803	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Cover of Hodi	8.00	1.677	0.838	0.076	0.854
							<b>0.854</b>
8	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.) 224.00 Through Rate</b>	Metre	15.500	224.00	3472	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Length	1.00	15.500	0.000	0.000	15.500
							<b>15.500</b>
9	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.) 430.00 Through Rate</b>	Per Metre	481.340	430.00	206976	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Length	1.00	481.340	0.000	0.000	481.340
							<b>481.340</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.) 334.00 Through Rate</b>	Each	16.000	334.00	5344	
		<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>

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
11	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.) 69.00 Through Rate</b>	Metre	469.692	69.00	32409	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Length	1.00	484.632	0.000	0.000	484.632
		D/d of earthwork for hodies	4.00	3.735	0.000	0.000	-14.940
							<b>469.692</b>
12	HSR	HSR Item <b>6.34.3</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 above plinth level. 3. Cold twisted bars <b>HSR Rate(Rs.) 68.00 Through Rate</b>	Kg.	60.000	68.00	4080	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		Qty as 70 Kg per cum of RCC 1:1.5:3	1.00/60.000	0.000	0.000	0.000	60.000
							<b>60.000</b>
13	HSR	HSR Item <b>4.31.1</b> -Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. 1. All kinds of soil <b>HSR Rate(Rs.) 57.00 Through Rate</b>	cum	161.599	57.00	9211	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		All kinds of soil	4.00	3.735	3.735	2.896	161.599
							<b>161.599</b>
		<b>Sub-Component Total Amount</b>				<b>503045</b>	
		<b>Component Total Amount</b>				<b>503045</b>	
		<b>Grand Total</b>				<b>503045</b>	

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**WORK NAME:** Estimate for Laying RCC Pipeline for connecting village Pond Nihalawas off taking from Km. 0.850/R of Nihalawas Minor.(Under Atal Bhujal Yojana)

Final Work Cost Abstract				
Sr.No	Description	Items Amount (Rs)	Total Charges (Rs.)	Total Amount (Rs.)
	Main-Component : RCC Pipeline			
	Sub-Component: RCC Pipeline	5,03,045	5,030	5,08,076
	Main Component Total	₹5,03,045	₹5,030	₹5,08,076
	Grand Total	₹5,03,045	₹5,030	₹5,08,076

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

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Detailed Estimate Abstract Cost (in Rs.)					
Sr. No.	HSR Amount	NS Amount	Permission from Other Department	All Charges	Total Amount
1.	5,03,045.41	0.00	0.00	5030.45	5,08,075.86
<b>Total :-</b>	<b>5,03,045</b>	<b>0</b>	<b>0</b>	<b>5030</b>	<b>5,08,076</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). RCC Pipeline	5,03,045.41	0.00	5,03,045.41	180
<b>Total :-</b>		<b>5,03,045</b>	<b>0.00</b>	<b>5,03,045</b>	

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