



Detailed Estimate

Irrigation & Water Resources Department, Haryana



Office Name:

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

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

Name of Work -{Code}:

Balawa Khurd and Balawa Kalan, estimate Laying of RCC
Pipeline NP-2 600 mm i/d from Tail of Balawa Sub Minor
for Recharging Ground water Table and Irrigation
Facilities of Village Balawa Khurd and Balawa Kalan (In
Nangal Chaudhary constituency) (Under Atal Bhujal
Yojana) [IRR/2023-24/58570]

Estimate Cost:

Rs. 62.26 Lakhs [Adm. Approved Status : Yes, 05/04/2023]

Technical Approval Cost:

Rs. 59.75 Lakhs

Revised Adm Approval Cost:

Rs. 0.00 Lakhs

Item Type	Item Cost	Total Charges	Total Cost
HSR Items	₹50,21,133	₹9,54,015	₹59,75,148
Total	₹50,21,133	₹9,54,015	₹59,75,148

Days in which work is likely
to be completed:

340 Days

Location of Estimate

Village:BALAH KALAN,Village:BALAHA KHURD

Assembly Constituency:

NANGAL CHOUDHRY

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: Balawa Khurd and Balawa Kalan, estimate Laying of RCC Pipeline NP-2 600 mm i/d from Tail of Balawa Sub Minor for Recharging Ground water Table and Irrigation Facilities of Village Balawa Khurd and Balawa Kalan (In Nangal Chaudhary constituency) (Under Atal Bhujal Yojana)

ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
Main-Component : RCC Pipeline NP-2 600 mm i/d from Tail of Balawa Sub Minor for Recharging Ground water Table and Irrigation Facilities of Village Balawa Khurd and Balawa Kalan							
Sub-Component :- Laying of RCC Pipeline NP-2 600 mm i/d from Tail of Balawa Sub Minor							
1	HSR	HSR Item 4.16.1.3 -Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : 1.3. Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm HSR Rate(Rs.) 86.00 Through Rate	Metre	6623.960	86.00	569661	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		600 mm i/d RCC pipeline for Required depth upto 1.50 Mtr. BGL	1.00	3596.640	0.000	0.000	3596.640
		600mm i/d RCC pipeline for Required Depth above 1.50 mtr. But not exceeding 3.00 Mtr. BGL	1.00	3124.200	0.000	0.000	3124.200
		D/d of Earthwork for 6 No. Hodi upto 3.00 Mtr. But not exceeding 4.50 Mtr. BGL (1.219x1.219 mtr.)	28.00	3.460	0.000	0.000	-96.880
							6623.960
2	HSR	HSR Item 4.17 -Extra for excavating trenches for pipes, cables etc. in all kinds of soil for depth exceeding 1.5 m, but not exceeding 3 m. (Rate is over corresponding basic item for depth up to 1.5 metre). HSR Rate(Rs.) 3.00 Through Rate	Metre	3055.000	3.00	9165	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		D/d of Earthwork for 6 No. Hodi upto 1.50 Mtr. But not exceeding 3.00 Mtr. BGL (1.219x1.219 mtr.)	20.00	3.460	0.000	0.000	-69.200
		600 mm i/d RCC pipeline for Required Depth above 1.50 mtr. But not exceeding 3.00 Mtr. BGL	1.00	3124.200	0.000	0.000	3124.200
							3055.000
3	HSR	HSR Item 11.5.3 -12 mm cement plaster of mix : 3. 1:4 (1 cement: 4 fine sand) HSR Rate(Rs.) 84.00 Through Rate	Sqm	441.634	84.00	37097	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Hodi size 1.219x1.219 mtr. (28 No.Hodi x 4 no. walls) (Inner Side)	112.00	1.219	2.546	0.000	347.600
		Hodi size 1.219x1.219 mtr. (28 No.Hodi x 2 no. short wall) (outer Side)	56.00	1.219	0.305	0.000	20.821
		Hodi size 1.219x1.219 mtr. (28 No.Hodi x 2 no. long wall) (outer Side)	56.00	1.921	0.305	0.000	32.811
		Hodi size 1.219x1.219 mtr. (28 No.Hodi x 2 no. short wall) (on top of wall)	56.00	1.219	0.351	0.000	23.961
		Hodi size 1.219x1.219 mtr. (28 No.Hodi x 2 no. long wall) (on top of wall)	56.00	1.921	0.351	0.000	37.759
		D/d 0.99 mtr o/d pipe section in Hodi wall (size 1.219x1.219 mtr.) (28 No.Hodix2 No. wall plus 1 No. wall) (56 plus 1)	57.00	1.000	0.374	0.000	-21.318
							441.634

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.)	
4	HSR	HSR Item 4.12.1 -Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead up to 50 m and lift up to 1.5 m, as directed by Engineer-in-charge. 1. All kinds of soil HSR Rate(Rs.) 78.00 Through Rate	cum	1178.825	78.00	91948	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		28 No Brick Hodi (Size 1.219x1.219 Mtr)	28.00	3.917	3.917	2.744	1178.825
							1178.825
5	HSR	HSR Item 6.1.6 -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) HSR Rate(Rs.) 2442.00 Through Rate	cum	89.152	2442.00	217709	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Bed of Hodi (size 1.219x1.219) 28 No	28.00	3.231	3.231	0.305	89.152
							89.152
6	HSR	HSR Item 20.62.8 -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. 8. 600 mm i/d HSR Rate(Rs.) 984.00 Through Rate	Per Metre	3562.508	984.00	3505508	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Total Length 600mm i/d RCC NP-2 Pipeline	1.00	3596.640	0.000	0.000	3596.640
		D/d pipe between Hodi (Size 1.219x1.219 mtr.)	28.00	1.219	0.000	0.000	-34.132
							3562.508
7	HSR	HSR Item 6.43 -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). HSR Rate(Rs.) 4174.00 Through Rate	cum	10.539	4174.00	43990	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		28 No. Hodies Slab of size 1.219x1.829 mtr on 600 mm dia RCC NP-2 pipeline	28.00	1.921	1.921	0.102	10.539
							10.539

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.)	
8	HSR	HSR Item 6.33.6 -Steel reinforcement for R.C.C. work, where not included in the complete rate of RCC, including straightening, cutting, bending, placing in position, binding, wastage, overlaps, welded joints, spacer bars, chairs, stays, hangers and annealed steel wire etc. complete in all respect below plinth level 6. Thermo-Mechanically Treated bars of grade Fe-500D or more. HSR Rate(Rs.) 61.00 Through Rate	Kg.	743.972	61.00	45382	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		10 mm dia steel bars for hodi slab on long side (0.960 Mtr / 0.150 Mtr. C/C distance plus 1 extra bar = 7.40 No. bars or 7 No.) (7 bars X 1.871 Rmtr each length X 28 No. Hodi X 2 No. slab each = 733.43 Rmtr) @ 0.617 Kg/ Mtr = 452.526 Kg	1.00/0.617	733.430			452.526
		Iron Jali on outlet pipe side 0.840 mtr long X 06 No. Steel bars x 1 side X 28 No. Hodi = 141.12 Mtr. @ 0.617 Kg/ Rmtr = 87.071 Kg	1.00/0.617	141.120			87.071
		10 mm dia steel bars for hodi slab on short side (1.921 Mtr / 0.150 Mtr. C/C distance plus 1 extra bar = 12.80 No. bars or 13 No.) (13 bars X 0.910 rmtr each length X 28 No. Hodi X 2 No. slab each = 331.24Rmtr) @ 0.617 Kg/ Mtr = 204.375 Kg	1.00/0.617	331.240			204.375
							743.972
9	HSR	HSR Item 7.21.1 -Brick work with common burnt clay non-modular bricks of class designation 10.5 in foundation and plinth in: 1. Cement mortar 1:4 (1 cement : 4 coarse sand) HSR Rate(Rs.) 3693.00 Through Rate	cum	131.803	3693.00	486748	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		1st step of Hodi size 1.219x1.219 mtr(28 No. Hodi x 2 No. short walls)	28.00	1.219	0.701	0.610	14.595
		1st step of Hodi size 1.219x1.219 mtr (28 No. Hodi x 2 No. Long walls)	28.00	2.621	0.701	0.610	31.381
		2nd step of Hodi size 1.219x1.219 mtr (28 No. Hodi x 2 No. short walls)	28.00	1.219	0.579	0.610	12.055
		2nd step of Hodi size 1.219x1.219 mtr (28 No. Hodi x 2 No. Long walls)	28.00	2.377	0.579	0.610	23.507
		3rd step of Hodi size 1.219x1.219 mtr (28 No. Hodi x 2 No. short walls)	28.00	1.219	0.457	0.610	9.515
		3rd step of Hodi size 1.219x1.219 mtr (28 No. Hodi x 2 No. Long walls)	28.00	2.133	0.457	0.610	16.649
		4th step of Hodi size 1.219x1.219 mtr (28 No. Hodi x 2 No. short walls)	28.00	1.219	0.351	0.914	10.950
		4th step of Hodi size 1.219x1.219 mtr (28 No. Hodi x 2 No. Long walls)	28.00	1.921	0.351	0.914	17.256
		D/d 0.99 mtr o/d pipe section in Hodi wall (size 1.219x1.219 mtr.) (28 No.Hodix2 No. wall plus 1 No. wall)	57.00	1.000	0.579	0.374	-12.343
		Brick on edge in bed of Hodi (Size 1.219x1.219 mtr.)	28.00	1.219	1.219	0.198	8.238
							131.803
		Sub-Component Total Amount				5007209	

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.)	
Main-Component : RCC Pipeline NP-2 600 mm i/d from Tail of Balawa Sub Minor for Recharging Ground water Table and Irrigation Facilities of Village Balawa Khurd and Balawa Kalan							
Sub-Component :- Sign Board under the Scheme							
10	HSR	HSR Item 4.12.1 -Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead up to 50 m and lift up to 1.5 m, as directed by Engineer-in-charge. 1. All kinds of soil HSR Rate(Rs.) 78.00 Through Rate	cum	0.216	78.00	17	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Earthwork for 1No. board	1.00	0.600	0.600	0.600	0.216
							0.216
11	HSR	HSR Item 2.B0979 - B0979. MS plates, angles, channels etc. i/c fabrication HSR Rate(Rs.) 80.00 Rate	Kg.	45.216	80.00	3617	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Total Weight = 45.216 Kg each sign board plate (detail attached)	1.00/45.216	0.000	0.000	0.000	45.216
							45.216
12	HSR	HSR Item 11.113 -Lettering with black Japan paint of approved brand and manufacture HSR Rate(Rs.) 2.00 Through Rate	per letter per cm height	2000.000	2.00	4000	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Total words = 2000/each sign board (Detail attached)	1.00 /2000.000	0.000	0.000	0.000	2000.000
							2000.000
13	HSR	HSR Item 6.1.2 -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) HSR Rate(Rs.) 3476.00 Through Rate	cum	0.216	3476.00	751	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		In foundation board (For 1 No. Sign Board) (Detail attached)	1.00	0.600	0.600	0.600	0.216
							0.216
14	HSR	HSR Item 13.30.1 -Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. 1. Hot finished welded type tubes HSR Rate(Rs.) 105.00 Through Rate	Kg.	52.752	105.00	5539	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Total Weight = 52.752 Kg./each sign board (Detail attached)	1.00/52.752	0.000	0.000	0.000	52.752
							52.752
Sub-Component Total Amount						13924	
Component Total Amount						5021133	

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



	Grand Total				5021133	
--	-------------	--	--	--	---------	--

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: Balawa Khurd and Balawa Kalan, estimate Laying of RCC Pipeline NP-2 600 mm i/d from Tail of Balawa Sub Minor for Recharging Ground water Table and Irrigation Facilities of Village Balawa Khurd and Balawa Kalan (In Nangal Chaudhary constituency) (Under Atal Bhujal Yojana)

Final Work Cost Abstract				
Sr.No	Description	Items Amount (Rs)	Total Charges (Rs.)	Total Amount (Rs.)
	Main-Component : RCC Pipeline NP-2 600 mm i/d from Tail of Balawa Sub Minor for Recharging Ground water Table and Irrigation Facilities of Village Balawa Khurd and Balawa Kalan			
	Sub-Component: Laying of RCC Pipeline NP-2 600 mm i/d from Tail of Balawa Sub Minor	50,07,209	9,51,370	59,58,578
	Sub-Component: Sign Board under the Scheme	13,924	2,646	16,569
	Main Component Total	₹50,21,133	₹9,54,015	₹59,75,148
	Grand Total	₹50,21,133	₹9,54,015	₹59,75,148

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

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: Balawa Khurd and Balawa Kalan, estimate Laying of RCC Pipeline NP-2 600 mm i/d from Tail of Balawa Sub Minor for Recharging Ground water Table and Irrigation Facilities of Village Balawa Khurd and Balawa Kalan (In Nangal Chaudhary constituency) (Under Atal Bhujal Yojana)

Detailed Estimate Abstract Cost (in Rs.)					
Sr. No.	HSR Amount	NS Amount	Permission from Other Department	All Charges	Total Amount
1.	50,21,132.69	0.00	0.00	954015.21	59,75,147.90
Total :-	50,21,133	0	0	954015	59,75,148

Package-Wise Abstract Cost (in Rs.)					
Sr. No.	Package Description	HSR Amount	NS Amount	Total Amount	No. of days require for Completion of this Package by Contractor from dt. of start of work.
1.	Package 1-(Component-1). RCC Pipeline NP-2 600 mm i/d from Tail of Balawa Sub Minor for Recharging Ground water Table and Irrigation Facilities of Village Balawa Khurd and Balawa Kalan	50,21,132.69	0.00	50,21,132.69	365
Total :-		50,21,133	0.00	50,21,133	

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.