

PART-V : Construction of Manholes for SEWER line SYSTEM FOR KATCHI BASTIS IN JAISALMER TOWN UNDER IHSDP SCHEME

Abstract of BOQ FOR construction of MANHOLES OF DEPTH 3.5M TO 4.5 M for sewer line in Katchi Basti at Jaisalmar (Raj.)

(A) FOR GAFFUR BHATTA BASTI

BASED ON BSR 2009 ,JAISALMER CIRCLE										
S.NO.	BSR ITEM NO.	ITEMS	UNIT	RATE	DEPTH					
					3.5 M		4.0 M		4.5 M	
					QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
1	B2/1.8	Earth work in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms, lift upto 1.5 mt. Including taking out the excavated soil and depositing and refilling of jhiri with watering and ramming and disposal of surplus excavated soil as directed within a lead of 50 mtr. : Hard / dense soil								
		0 to 1.5 m			12.82		12.82		12.82	
	A	1.5m to 3.0 m			12.82		12.82		12.82	
	B	3.0 m to 4.5m			5.56		9.83		12.82	
	C	4.5m to 6.0m							0.68	
			CUM	150.00	31.20	4680.39	35.48	5321.53	39.15	5872.07

2a	B3/1. 10.1	Add - Extra for 1.5m to 3.0m				0.00		0.00		0.00
		Same as above A	CUM	165.00	12.82	2115.79	12.82	2115.79	12.82	2115.79
						0.00		0.00		0.00
2b	B3/1. 10.1	Add - Extra for 3.0m to 4.5m				0.00		0.00		0.00
		Same as above B	CUM	180.00	5.56	1000.19	9.83	1769.57	12.82	2308.14
2c	B3/1. 10.1	Add - Extra for 4.5m to 6.0m				0.00		0.00		0.00
		Same as above C	CUM	195.00	0.00	0.00		0.00	0.68	132.26

3	B14/3 .2.7	Providing and laying in position cement concrete including, curing compaction etc complete in specified grade excluding the cost of centering and shuttering all work upto plinth level : mix 1: 4 : 8 (1 Cement : 4 Coarse Sand : 8 Gradded stone aggregate 40 mm nominal size)	CUM	1627.00	1.28	2086.30	1.28	2086.30	1.28	2086.30
4	B34/6 .1.5	Random rubble stone masonry for foundation and plinth in cement sand mortar above 30 cm th. Wall in cement mortar 1:4(1cement:4sand)				0.00		0.00		0.00
		First Footing		0.00	1.65	0.00	1.65	0.00	1.65	0.00
		Second Footing		0.00	0.90	0.00	1.53	0.00	1.70	0.00
		Third Footing		0.00	0.51	0.00	1.70	0.00	2.37	0.00
		Fourth Footing		0.00	1.27	0.00	1.27	0.00	1.27	0.00
		TOTAL	CUM	1496.00	4.33	6477.68	6.15	9196.36	6.99	10459.58
5	B35/6 .3.1	extra over item above wall curved in plan to mean radius not exceeding 6 m radius	cum	157.00	4.33	679.81	6.15	965.13	6.99	1097.70
6	B35/6 .3.2	wall upto 30cm or less thick	cum	153.00	1.78	272.34	2.97	454.00	3.65	558.45

7	B129/ 12.7.1	Plaster on new surface of wall in cement sand mortar 1:3 including raking of joints etc. complete fine finish 25 mm th.				0.00		0.00		0.00
		Shaft		0.00	8.01	0.00	10.36	0.00	12.72	0.00
		upper portion		0.00	2.83	0.00	2.83	0.00	2.83	0.00
		TOTAL	sqm	126.00	10.83	1364.96	13.19	1661.69	15.54	1958.42
8	B135/ 12.36. 1	Pointing on stone masonry in cement sand mortar 1:3 (1cement:3sand) flush and ruled pointing				0.00		0.00		0.00
		First Footing			4.52	0.00	4.52	0.00	4.52	0.00
		Second Footing			5.28	0.00	5.93	0.00	6.59	0.00
		Third Footing			3.96	0.00	6.59	0.00	9.23	0.00
		Forth Footing			5.65	0.00	5.65	0.00	5.65	0.00

		TOTAL	sqm	29.00	19.41	562.84	22.70	658.18	25.99	753.81
9	B43/6 .27.4	Supply and fixing soor sagar bhura or eq. ashlar sills, lintels and dasa, bearing bed & top surface made perfectly even, jambs, skirting steps etc. rough dressed above 20 cm th. Pat	cum	3718.00	0.84	3108.25	0.84	3108.25	0.84	3108.25
10	B14/3 .2.3	Providing and laying in position cement concrete including, curing compaction etc complete in specified grade excluding the cost of centering and shuttering all work upto plinth level : mix 1: 2 : 4 (1 Cement : 2 Coarse Sand : 4 Gradded stone aggregate)				0.00		0.00		0.00
			cum	2370.00	0.53	1255.80	0.53	1255.80	0.53	1255.80
						0.00		0.00		0.00
11	G52/5 1	Carriage of earth upto 1.0 km	cum	48.00	12.91	619.74	14.75	707.91	16.59	796.08
						0.00		0.00		0.00
12	S40/3. 34.4	Supplying and fixing ferro-cement cover with C.I frame for chambers & man hole of size 560 mm dia 25kg 70MT. Centre point load seal type heavy duty.	each	1980.00	1	1980.00	1	1980.00	1	1980.00
13	S39/3. 32	P & F M.S. Foot Rests in with C.M. 1:3 standard design in 20mm square M.S. bar 50mm embedded in wall & 10 cms projected out complete	each	120.00	6	720.00	7	840.00	8	960.00
		TOTAL				26924.09		32120.51		35442.65

		Say Rs.				26924.00		32120.00		35443.00
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Number of manholes to be constructed is as below for Gaffur Bhata Basti				
S.No	SIZE	QTY.	RATE	Amount
1	3.5M	14	26924	376936
2	4 M	18	32120	578160
3	4.5M	16	35443	567088
TOTAL OF (A) =			Rs.	1522184

(B) police line Basti

S.NO.	BSR ITEM NO.	ITEMS	UNIT	RATE	BASED ON BSR 2009 ,JAISALMER CIRCLE					
					DEPTH					
					3.5 M		4.0 M		4.5 M	
					QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
1	B2/1. 8	Earth work in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms, lift upto 1.5 mt. Including taking out the excavated soil and depositing and refilling of jhiri with watering and ramming and disposal of surplus excavated soil as directed within a lead of 50 mtr. : Hard / dense soil								
		0 to 1.5 m			12.82		12.82		12.82	
	A	1.5m to 3.0 m			12.82		12.82		12.82	
	B	3.0 m to 4.5m			5.56		9.83		12.82	
	C	4.5m to 6.0m							0.68	
			CUM	150.00	31.20	4680.00	35.47	5320.50	39.14	5871.00
2a	B3/1. 10.1	Add - Extra for 1.5m to 3.0m				0.00		0.00		0.00
		Same as above A	CUM	165.00	12.82	2115.30	12.82	2115.30	12.82	2115.30
2b	B3/1. 10.1	Add - Extra for 3.0m to 4.5m				0.00		0.00		0.00
		Same as above B	CUM	180.00	5.56	1000.80	9.83	1769.40	12.82	2307.60
2c	B3/1. 10.1	Add - Extra for 4.5m to 6.0m				0.00		0.00		0.00
		Same as above C	CUM	195.00	0.00	0.00	0.00	0.00	0.68	132.60

3	14/3.2	Providing and laying in position cement concrete including, curing compaction etc complete in specified grade excluding the cost of centering and shuttering all work upto plinth level : mix 1: 4 : 8 (1 Cement : 4 Coarse Sand : 8 Graded stone aggregate 40 mm nominal size)	CUM	1627.00	1.28	2082.56	1.28	2082.56	1.28	2082.56
4	34/6.1	Random rubble stone masonry for foundation and plinth in cement sand mortar above 30 cm th. Wall in cement mortar 1:4(1cement:4sand)				0.00		0.00		0.00
		First Footing			1.65	0.00	1.65	0.00	1.65	0.00
		Second Footing			0.90	0.00	1.53	0.00	1.70	0.00
		Third Footing			0.51	0.00	1.70	0.00	2.37	0.00
		Fourth Footing			1.27	0.00	1.27	0.00	1.27	0.00
		TOTAL	CUM	1496.00	4.33	6477.68	6.15	9200.40	6.99	10457.04
5	35/6.3	extra over item above wall curved in plan to mean radius not exceeding 6 m radius	cum	157.00	4.33	679.81	6.15	965.55	6.99	1097.43
6	B35/6.3.2	wall upto 30cm or less thick	cum	153.00	1.78	272.34	2.97	454.41	3.64	556.92
7	29/12.1	Plaster on new surface of wall in cement sand mortar 1:3 including raking of joints etc. complete fine finish 25 mm th.				0.00		0.00		0.00
		Shaft			8.01	0.00	10.36	0.00	12.72	0.00
		upper portion			2.83	0.00	2.83	0.00	2.83	0.00
		TOTAL	sqm	126.00	10.84	1365.84	13.19	1661.94	15.55	1959.30
8	35/12.3	Pointing on stone masonry in cement sand mortar 1:3 (1cement:3sand) flush and ruled pointing				0.00		0.00		0.00

		First Footing			4.52	0.00	4.52	0.00	4.52	0.00
		Second Footing			5.28	0.00	5.93	0.00	6.59	0.00
		Third Footing			3.96	0.00	6.59	0.00	9.23	0.00
		Forth Footing			5.65	0.00	5.65	0.00	5.65	0.00
		TOTAL	sqm	29.00	19.41	562.89	22.69	658.01	25.99	753.71
9	43/6.27	Supply and fixing soor sagar bhura or eq. ashlar sills, lintels and dasa, bearing bed & top surface made perfectly even, jambs, skirting steps etc. rough dressed above 20 cm th. Pat	cum	3718.00	0.84	3108.25	0.84	3108.25	0.84	3108.25
10	14/3.2	Providing and laying in position cement concrete including, curing compaction etc complete in specified grade excluding the cost of centering and shuttering all work upto plinth level : mix 1: 2 : 4 (1 Cement : 2 Coarse Sand : 4 Gradded stone aggregate)				0.00		0.00		0.00
			cum	2370.00	0.53	1256.10	0.53	1256.10	0.53	1256.10
11	G52/5.1	Carriage of earth upto 1.0 km	cum	48.00	12.91	619.68	14.75	708.00	16.59	796.32
12	40/3.34	Supplying and fixing ferro-cement cover with C.I frame for chambers & man hole of size 560 mm dia 25kg 70MT. Centre point load seal type heavy duty.	each	1980.00	1	1980.00	1	1980.00	1	1980.00
13	S39/3.32	P & F M.S. Foot Rests in with C.M. 1:3 standard design in 20mm square M.S. bar 50mm embedded in wall & 10 cms projected out complete	each	120.00	6	720.00	7	840.00	8	960.00
		TOTAL				26921.25		32120.42		35434.13

		Say Rs.			26925.00		35126.00		35439.00
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Number of manholes to be constructed is as below for Police line basti				
S.No	SIZE	QTY.	RATE	Amount
1	3.5M	6	26925	161550
2	4 M	4	35126	140504
3	4.5M	8	35439	283512
TOTAL OF (B) =			Rs.	585566

(C) Rawat Singh KI Dhani Basti

S.NO.	BSR ITEM NO.	ITEMS	UNIT	RATE	BASED ON BSR 2009 ,JAISALMER CIRCLE					
					DEPTH					
					3.5 M		4.0 M		4.5 M	
					QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
1	B2/1. 8	Earth work in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms, lift upto 1.5 mt. Including taking out the excavated soil and depositing and refilling of jhiri with watering and ramming and disposal of surplus excavated soil as directed within a lead of 50 mtr. : Hard / dense soil								
		0 to 1.5 m			12.82		12.82		12.82	
	A	1.5m to 3.0 m			12.82		12.82		12.82	
	B	3.0 m to 4.5m			5.56		9.83		12.82	
	C	4.5m to 6.0m							0.68	
			CUM	150.00	31.20	4680.00	35.47	5320.50	39.14	5871.00
2a	B3/1. 10.1	Add - Extra for 1.5m to 3.0m				0.00		0.00		0.00
		Same as above A	CUM	165.00	12.82	2115.30	12.82	2115.30	12.82	2115.30
2b	B3/1. 10.1	Add - Extra for 3.0m to 4.5m				0.00		0.00		0.00
		Same as above B	CUM	180.00	5.56	1000.80	9.83	1769.40	12.82	2307.60

2c	B3/1.10.1	Add - Extra for 4.5m to 6.0m				0.00		0.00		0.00
		Same as above C	CUM	195.00	0.00	0.00	0.00	0.00	0.68	132.60
3	14/3.2	Providing and laying in position cement concrete including, curing compaction etc complete in specified grade excluding the cost of centering and shuttering all work upto plinth level : mix 1: 4 : 8 (1 Cement : 4 Coarse Sand : 8 Gradded stone aggregate 40 mm nominal size)	CUM	1627.00	1.28	2082.56	1.28	2082.56	1.28	2082.56
4	34/6.1	Random rubble stone masonry for foundation and plinth in cement sand mortar above 30 cm th. Wall in cement mortar 1:4(1cement:4sand)				0.00		0.00		0.00
		First Footing			1.65	0.00	1.65	0.00	1.65	0.00
		Second Footing			0.90	0.00	1.53	0.00	1.70	0.00
		Third Footing			0.51	0.00	1.70	0.00	2.37	0.00
		Fourth Footing			1.27	0.00	1.27	0.00	1.27	0.00
		TOTAL	CUM	1496.00	4.33	6477.68	6.15	9200.40	6.99	10457.04
5	35/6.3	extra over item above wall curved in plan to mean radius not exceeding 6 m radius	cum	157.00	4.33	679.81	6.15	965.55	6.99	1097.43
6	B35/6.3.2	wall upto 30cm or less thick	cum	153.00	1.78	272.34	2.97	454.41	3.64	556.92

7	29/12.1	Plaster on new surface of wall in cement sand mortar 1:3 including raking of joints etc. complete fine finish 25 mm th.				0.00		0.00		0.00
		Shaft			8.01	0.00	10.36	0.00	12.72	0.00
		upper portion			2.83	0.00	2.83	0.00	2.83	0.00
		TOTAL	sqm	126.00	10.84	1365.84	13.19	1661.94	15.55	1959.30
8	35/12.3	Pointing on stone masonry in cement sand mortar 1:3 (1cement:3sand) flush and ruled pointing				0.00		0.00		0.00
		First Footing			4.52	0.00	4.52	0.00	4.52	0.00
		Second Footing			5.28	0.00	5.93	0.00	6.59	0.00
		Third Footing			3.96	0.00	6.59	0.00	9.23	0.00
		Forth Footing			5.65	0.00	5.65	0.00	5.65	0.00
		TOTAL	sqm	29.00	19.41	562.89	22.69	658.01	25.99	753.71
9	43/6.27	Supply and fixing soor sagar bhura or eq. ashlar sills, lintels and dasa, bearing bed & top surface made perfectly even, jambs, skirting steps etc. rough dressed above 20 cm th. Pat	cum	3718.00	0.84	3108.25	0.84	3108.25	0.84	3108.25
10	14/3.2	Providing and laying in position cement concrete including, curing compaction etc complete in specified grade excluding the cost of centering and shuttering all work upto plinth level : mix 1: 2 : 4 (1 Cement : 2 Coarse Sand : 4 Gradded stone aggregate)				0.00		0.00		0.00
			cum	2370.00	0.53	1256.10	0.53	1256.10	0.53	1256.10

11	G52/5 1	Carriage of earth upto 1.0 km	cum	48.00	12.91	619.68	14.75	708.00	16.59	796.32
12	40/3.34	Supplying and fixing ferro-cement cover with C.I frame for chambers & man hole of size 560 mm dia 25kg 70MT. Centre point load seal type heavy duty.	each	1980.00	1	1980.00	1	1980.00	1	1980.00
13	S39/3. 32	P & F M.S. Foot Rests in with C.M. 1:3 standard design in 20mm square M.S. bar 50mm embedded in wall & 10 cms projected out complete	each	120.00	6	720.00	7	840.00	8	960.00
		TOTAL				26921.25		32120.42		35434.13
		Say Rs.				26927.00		32120.00		35448.00

Number of manholes to be constructed is as below for Rawat Singh Ki Dhani Basti

S.No	SIZE	QTY.	RATE	Amount
1	3.5M	17	26927	457759
2	4 M	15	32120	481800
3	4.5M	13	35448	460824
TOTAL OF (C) =			Rs.	1400383

(D) totaram ki dhani Basti

		BASED ON BSR 2009 ,JAISALMER CIRCLE									
S.NO.	BSR ITEM	ITEMS	UNIT	RATE	DEPTH						
					3.5 M		4.0 M		4.5 M		
					QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT	
1	B2/1.8	Earth work in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms, lift upto 1.5 mt. Including taking out the excavated soil and depositing and refilling of jhiri with watering and ramming and disposal of surplus excavated soil as directed within a lead of 50 mtr. : Hard / dense soil									
		0 to 1.5 m			12.82		12.82		12.82		
	A	1.5m to 3.0 m			12.82		12.82		12.82		
	B	3.0 m to 4.5m			5.56		9.83		12.82		
	C	4.5m to 6.0m							0.68		
			CUM	150	31.2	4680	35.48	5322	39.15	5872.5	
2a	B3/1.10	Add - Extra for 1.5m to 3.0m				0		0		0	
		Same as above A	CUM	165	12.82	2115.3	12.82	2115.3	12.82	2115.3	
2b	B3/1.10	Add - Extra for 3.0m to 4.5m				0		0		0	
		Same as above B	CUM	180	5.56	1000.8	9.83	1769.4	12.82	2307.6	
2c	B3/1.10	Add - Extra for 4.5m to 6.0m				0		0		0	
		Same as above C	CUM	195	0	0	0	0	0.68	132.6	
2d	B3/1.10	Add - Extra for 6.0m to 7.5m				0		0		0	
		Same as above D	CUM	210	0	0	0	0	0	0	
2e	B3/1.10	Add - Extra for 7.5m to 9.0m				0		0		0	
		Same as above E	CUM	225	0	0	0	0	0	0	

3	B14/3.2	Providing and laying in position cement concrete including, curing compaction etc complete in specified grade excluding the cost of centering and shuttering all work upto plinth level : mix 1: 4 : 8 (1 Cement : 4 Coarse Sand : 8 Graded stone aggregate 40 mm nominal size)	CUM	1627	1.28	2082.56	1.28	2082.56	1.28	2082.56
4	B34/6.1	Random rubble stone masonry for foundation and plinth in cement sand mortar above 30 cm th. Wall in cement mortar 1:4(1cement:4sand)				0		0		0
		First Footing			3.18	0	3.18	0	3.18	0
		Second Footing			2.2	0	2.48	0	2.76	0
		Third Footing			0.68	0	1.7	0	2.37	0
		Fourth Footing			1.27	0	1.27	0	1.27	0
		TOTAL	CUM	1496	7.33	10965.68	8.63	12910.48	9.58	14331.68
5	B35/6.3	extra over item above wall curved in plan to mean radius not exceeding 6 m radius	cum	157	7.33	1150.81	8.63	1354.91	9.58	1504.06
						0		0		0
6	B35/6.3	wall upto 30cm or less thick	cum	153	1.95	298.35	2.97	454.41	3.65	558.45
7	B129/1	Plaster on new surface of wall in cement sand mortar 1:3 including raking of joints etc. complete fine finish 25 mm th.				0		0		0
		Shaft			8.01	0	10.36	0	12.72	0
		upper portion			2.83	0	2.83	0	2.83	0
		TOTAL	sqm	126	10.83	1364.58	13.19	1661.94	15.54	1958.04

8	B135/1	Pointing on stone masonry in cement sand mortar 1:3 (1cement:3sand) flush and ruled pointing				0		0		0
		First Footing			5.65	0	5.65	0	5.65	0
		Second Footing			6.03	0	6.78	0	7.54	0
		Third Footing			3.96	0	6.59	0	9.23	0
		Forth Footing			5.65	0	5.65	0	5.65	0

		TOTAL								
			sqm	29	21.29	617.41	24.68	715.72	28.07	814.03
9	B43/6.2	Supply and fixing soor sagar bhura or eq. ashlar sills, lintels and dasa, bearing bed & top surface made perfectly even, jambs, skirting steps etc. rough dressed above 20 cm th. Pat	cum	3718	0.84	3123.12	0.84	3123.12	0.84	3123.12
10	B14/3.2	Providing and laying in position cement concrete including, curing compaction etc complete in specified grade excluding the cost of centering and shuttering all work upto plinth level : mix 1 : 2 : 4 (1 Cement : 2 Coarse Sand : 4 Graded stone aggregate)				0		0		0
			cum	2370	0.53	1256.1	0.53	1256.1	0.53	1256.1
						0		0		0
11	G52/5.1	Carriage of earth upto 1.0 km	cum	48	12.91	619.68	14.75	708	16.59	796.32
12	S40/3.3	Supplying and fixing ferro-cement cover with C.I frame for chambers & man hole of size 560 mm dia 25kg 70MT. Centre point load seal type heavy duty.	each	1980	1	1980	1	1980	1	1980
13	S39/3.3	P & F M.S. Foot Rests in with C.M. 1:3 standard design in 20mm square M.S. bar 50mm embedded in wall & 10 cms projected out complete	each	120	6	720	7	840	8	960
		TOTAL				31974.39		36293.94		39792.36
		SAY				31974		36294		39792

Number of manholes to be constructed for Tota ram ki dhani are						
S.No	SIZE	QTY.	RATE	Amount		
1	3.5M	14	31794	445116		
2	4 M	14	36294	508116		
3	4.5M	13	39792	517296		
TOTAL of (D) =				Rs.	1470528	
GRAND TOTAL = (A) + (B) + (C) + (D) =					Rs.	4978661

We Quote% Above/ Below Schedule for (A) , (B) , (C) &(D) and our quoted amount is Rs.

Signature of the bidder