

PART-VI : 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 5 M TO 6 M for sewer line in Katchi Bastis at Jaisalmar (Raj.)

(A) FOR GAFUR BHATTA

BASED ON BSR 2009 ,Jaisalmer CIRCLE

S.NO.	BSR ITEM NO.	ITEMS	UNIT	RATE	DEPTH					
					5.0 M		5.5 M		6.0 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			12.82		12.82		12.82	
	C	4.5m to 6.0m			2.94		5.20		12.82	
	D	6.0m to 7.5m							1.28	
			CUM	150.00	41.41	6211.19	43.67	6550.31	52.57	7886.13
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	12.82	2308.14	12.82	2308.14	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	2.94	573.11	5.20	1013.97	12.82	2500.48
2d	B3/1.10.1	Add - Extra for 6.0m to 7.5m				0.00		0.00		0.00
		Same as above D	CUM	210.00	0.00	0.00	0.00	0.00	1.28	269.28
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			2.48	0.00	2.48	0.00	2.48	0.00
		Second Footing			2.03	0.00	2.54	0.00	3.05	0.00
		Third Footing			2.37	0.00	2.71	0.00	3.05	0.00
		Fourth Footing			1.27	0.00	1.27	0.00	1.27	0.00
		TOTAL	CUM	1496.00	8.16	12200.69	9.00	13470.97	9.85	14741.25
						0.00		0.00		0.00
5	B35/6.3.1	extra over item above wall curved in plan to mean radius not exceeding 6 m radius	cum	157.00	8.16	1280.42	9.00	1413.73	9.85	1547.04

6	B35/6.3.2	wall upto 30cm or less thick	cum	153.00	3.65	557.77	3.98	609.65	4.32	661.54
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			15.07	0.00	17.43	0.00	19.78	0.00
		upper portion			2.83	0.00	2.83	0.00	2.83	0.00
		TOTAL	sqm	126.00	17.90	2255.15	20.25	2551.88	22.61	2848.61
8	B135/12.3.6.1	Pointing on stone masonry in cement sand mortar 1:3 (1cement:3sand) flush and ruled pointing				0.00		0.00		0.00
		First Footing			6.78	0.00	6.78	0.00	6.78	0.00
		Second Footing			7.91	0.00	9.89	0.00	11.87	0.00
		Third Footing			9.23	0.00	10.55	0.00	11.87	0.00
		Forth Footing			5.65	0.00	5.65	0.00	5.65	0.00
		TOTAL	sqm	29.00	29.57	857.63	32.87	953.30	36.17	1048.96
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

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			12.82		12.82		12.82	
	C	4.5m to 6.0m			2.94		5.20		12.82	
	D	6.0m to 7.5m							1.28	
			CUM	150.00	41.40	6210.00	43.66	6549.00	52.56	7884.00
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
						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	12.82	2307.60	12.82	2307.60	12.82	2307.60
						0.00		0.00		0.00
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	2.94	573.30	5.20	1014.00	12.82	2499.90
2d	B3/1.10.1	Add - Extra for 6.0m to 7.5m				0.00		0.00		0.00

		Same as above D	CUM	210.00	0.00	0.00	0.00	0.00	1.28	268.80
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	2082.56	1.28	2082.56	1.28	2082.56
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			2.48	0.00	2.48	0.00	2.48	0.00
		Second Footing			2.03	0.00	2.54	0.00	3.05	0.00
		Third Footing			2.37	0.00	2.71	0.00	3.05	0.00
		Fourth Footing			1.27	0.00	1.27	0.00	1.27	0.00
		TOTAL	CUM	1496.00	8.15	12192.40	9.00	13464.00	9.85	14735.60
						0.00		0.00		0.00
5	B35/6.3.1	extra over item above wall curved in plan to mean radius not exceeding 6 m radius	cum	157.00	8.15	1279.55	9.00	1413.00	9.85	1546.45
						0.00		0.00		0.00
6	B35/6.3.2	wall upto 30cm or less thick	cum	153.00	3.64	556.92	3.98	608.94	4.32	660.96
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			15.07	0.00	17.43	0.00	19.78	0.00
		upper portion			2.83	0.00	2.83	0.00	2.83	0.00
		TOTAL	sqm	126.00	17.90	2255.40	20.26	2552.76	22.61	2848.86
8	B135/12.36.	Pointing on stone masonry in cement sand mortar 1:3 (1cement:3sand) flush and ruled pointing				0.00		0.00		0.00
		First Footing			6.78	0.00	6.78	0.00	6.78	0.00
		Second Footing			7.91	0.00	9.89	0.00	11.87	0.00
		Third Footing			9.23	0.00	10.55	0.00	11.87	0.00
		Forth Footing			5.65	0.00	5.65	0.00	5.65	0.00
		TOTAL	sqm	29.00	29.57	857.53	32.87	953.23	36.17	1048.93
						0.00		0.00		0.00
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
						0.00		0.00		0.00
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	1256.10	0.53	1256.10	0.53	1256.10
						0.00		0.00		0.00
11	G52/5.1	Carriage of earth upto 1.0 km	cum	48.00	19.61	941.28	21.66	1039.68	23.71	1138.08
						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	9	1080.00	10	1200.00	11	1320.00
		TOTAL				38796.19		41644.42		46801.39
		SAY				38796.00		41644.00		46801.00

Number of manholes to be constructed is as below for Police Line				
S.No	SIZE	QTY.	RATE	Amount
1	5 M	8	38796	310368
2	5.5M	6	41644	249864
3	6 M	5	46801	234005
TOTAL OF (B) =			Rs.	794237

(C) For rawat singh ki dhani Basti

BASED ON BSR 2009 ,JAISALMER CIRCLE										
S.NO.	BSR ITEM NO.	ITEMS	UNIT	RATE	DEPTH					
					5.0 M		5.5 M		6.0 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			12.82		12.82		12.82	
	C	4.5m to 6.0m			2.94		5.20		12.82	
	D	6.0m to 7.5m							1.28	
			CUM	150.00	41.40	6210.00	43.66	6549.00	52.56	7884.00
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
						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	12.82	2307.60	12.82	2307.60	12.82	2307.60
						0.00		0.00		0.00
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	2.94	573.30	5.20	1014.00	12.82	2499.90
2d	B3/1.10.1	Add - Extra for 6.0m to 7.5m				0.00		0.00		0.00

		Same as above D	CUM	210.00	0.00	0.00	0.00	0.00	1.28	268.80
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	2082.56	1.28	2082.56	1.28	2082.56
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			2.48	0.00	2.48	0.00	2.48	0.00
		Second Footing			2.03	0.00	2.54	0.00	3.05	0.00
		Third Footing			2.37	0.00	2.71	0.00	3.05	0.00
		Fourth Footing			1.27	0.00	1.27	0.00	1.27	0.00
		TOTAL	CUM	1496.00	8.15	12192.40	9.00	13464.00	9.85	14735.60
						0.00		0.00		0.00
5	B35/6.3.1	extra over item above wall curved in plan to mean radius not exceeding 6 m radius	cum	157.00	8.15	1279.55	9.00	1413.00	9.85	1546.45
						0.00		0.00		0.00
6	B35/6.3.2	wall upto 30cm or less thick	cum	153.00	3.64	556.92	3.98	608.94	4.32	660.96
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			15.07	0.00	17.43	0.00	19.78	0.00

		upper portion			2.83	0.00	2.83	0.00	2.83	0.00
		TOTAL	sqm	126.00	17.90	2255.40	20.26	2552.76	22.61	2848.86
8	B135/12.36.	Pointing on stone masonry in cement sand mortar 1:3 (1cement:3sand) flush and ruled pointing				0.00		0.00		0.00
		First Footing			6.78	0.00	6.78	0.00	6.78	0.00
		Second Footing			7.91	0.00	9.89	0.00	11.87	0.00
		Third Footing			9.23	0.00	10.55	0.00	11.87	0.00
		Forth Footing			5.65	0.00	5.65	0.00	5.65	0.00
		TOTAL	sqm	29.00	29.57	857.53	32.87	953.23	36.17	1048.93
						0.00		0.00		0.00
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
						0.00		0.00		0.00
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	1256.10	0.53	1256.10	0.53	1256.10
						0.00		0.00		0.00
11	G52/5.1	Carriage of earth upto 1.0 km	cum	48.00	19.61	941.28	21.66	1039.68	23.71	1138.08
						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	9	1080.00	10	1200.00	11	1320.00
		TOTAL				38796.19		41644.42		46801.39
		SAY				38811.00		41658.00		46815.00

Number of manholes to be constructed is as below for Rawatsingh Ki Dhani				
S.No	SIZE	QTY.	RATE	Amount
1	5 M	9	38811	349299
2	5.5M	0	41658	0
3	6 M	0	46815	0
TOTAL OF (C)			Rs.	349299

(D) For Totaram ki dhani Basti

BASED ON BSR 2009 ,JAISALMER CIRCLE

S.NO.	BSR ITEM NO.	ITEMS	UNIT	RATE	5.0 M		5.5 M		6.0 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			12.82		12.82		12.82	
	C	4.5m to 6.0m			2.94		5.2		12.82	
	D	6.0m to 7.5m							1.28	
			CUM	150	41.41	6211.5	43.67	6550.5	52.57	7885.5
2a	B3/1.10.1	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	B3/1.10.1	Add - Extra for 3.0m to 4.5m				0		0		0
		Same as above B	CUM	180	12.82	2307.6	12.82	2307.6	12.82	2307.6
2c	B3/1.10.1	Add - Extra for 4.5m to 6.0m				0		0		0
		Same as above C	CUM	195	2.94	573.3	5.2	1014	12.82	2499.9
2d	B3/1.10.1	Add - Extra for 6.0m to 7.5m				0		0		0
		Same as above D	CUM	210	0	0	0	0	1.28	268.8
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 Graded stone aggregate 40 mm nominal size)	CUM	1627	1.28	2082.56	1.28	2082.56	1.28	2082.56
4	B34/6.1.5	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		0		0

		First Footing			4.77	0	4.77	0	4.77	0
		Second Footing			3.31	0	4.13	0	4.96	0
		Third Footing			2.37	0	2.71	0	3.05	0
		Fourth Footing			1.27	0	1.27	0	1.27	0
		TOTAL	CUM	1496	11.72	17533.12	12.89	19283.44	14.05	21018.8
5	B35/6.3.1	extra over item above wall curved in plan to mean radius not exceeding 6 m radius	cum	157	11.72	1840.04	12.89	2023.73	14.05	2205.85
6	B35/6.3.2	wall upto 30cm or less thick	cum	153	3.65	558.45	3.98	608.94	4.32	660.96
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		0		0
		Shaft			15.07	0	17.43	0	19.78	0
		upper portion			2.83	0	2.83	0	2.83	0
		TOTAL	sqm	126	17.9	2255.4	20.25	2551.5	22.61	2848.86
8	B135/12.36	Pointing on stone masonry in cement sand mortar 1:3 (1cement:3sand) flush and ruled pointing				0		0		0
		First Footing			8.48	0	8.48	0	8.48	0
		Second Footing			9.04	0	11.3	0	13.56	0
		Third Footing			9.23	0	10.55	0	11.87	0
		Forth Footing			5.65	0	5.65	0	5.65	0
		TOTAL	sqm	29	32.4	939.6	35.98	1043.42	39.56	1147.24

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	0.84	3123.12	0.84	3123.12	0.84	3123.12
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 Graded stone aggregate)				0		0		0
			cum	2157	0.53	1143.21	0.53	1143.21	0.53	1143.21
11	G52/5.1	Carriage of earth upto 3.0 km	cum	54.3	19.61	1064.823	21.66	1176.138	23.71	1287.453
			cum	2370	0.53	1256.1	0.53	1256.1	0.53	1256.1
11	G52/5.1	Carriage of earth upto 3.0 km	CUM	48	19.61	941.28	21.66	1039.68	23.71	1138.08
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	1	1980	1	1980	1	1980
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	9	1080	10	1200	11	1320

		TOTAL				47005.403		50499.238		56289.333
		SAY				47005		50499		56289

Number of manholes to be constructed is as below for Total ram Ki Dhani				
S.No	SIZE	QTY.	Rate	Amount
1	5 M	3	47005	141015
2	5.5M	2	50499	100998
3	6 M	0	56289	0
TOTAL OF (D) =			Rs	242013
GRAND TOTAL= (A)+(B) +(C) +(D)=				1907175

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

Signature of the bidder