



नेपाल सरकार
संघीय मामिला तथा स्थानीय विकास मन्त्रालय
जिल्ला विकास समितिको कार्यालय
जिल्ला प्राविधिक कार्यालय
मकवानपुर

सडक,सिंचाई तथा ग्रामीण खानेपानी निर्माण सम्बन्धी कार्यहरुको

दर विश्लेषण

आ.व. २०७५/०७६

Summary of Unit Rates for Road, Irrigation & Rural W/S Works

Makawanpur

F.Y. 075/76

Project Name:- Any

SN	Description of Items	Unit	Unit Rate for users		Unit Rate for contractor		Norms used	Remarks
			Hilly Area	Terai/Plain Area	Hilly Area	Terai/Plain Area		
	Site Clearance and Earthwork							
1.a	Site Clearance	Sqm	25.75	25.75	29.61	29.61	DoLIDAR-01	
1.b	Stripping of top soil	Sqm	77.25	77.25	88.84	88.84	DoLIDAR-12a	
2	Earthwork in excavation for road way and structures (Manually)							
	a. Ordinary Soil	Cum	321.88	321.88	370.16	370.16	DoLIDAR-05a	
	b. Hard Soil	Cum	386.25	386.25	444.19	444.19	DoLIDAR-05b	
	c. Ordinary rock	Cum	1287.50	1287.50	1480.63	1480.63	DoLIDAR-05c	
3	Earthwork in Back filling behind structure with compaction							
	a. Ordinary Soil	Cum	160.94	160.94	185.08	185.08	DoR 2.12-(2-25Kha	
	b. Hard Soil	Cum	206.00	206.00	236.90	236.90	"	
	c. Boulder mixed soil	Cum	193.13	193.13	222.10	222.10	"	
4	Construction of Roadway Embankment by local borrowpit material excluding cost of excavation							
	a. Compaction with Roller	Cum	226.48	226.48	251.78	251.78	DoLIDAR-10	
	b. Natural/Manual Compaction	Cum	160.94	160.94	185.08	185.08	DoLIDAR-10	
5	Construction of Roadway Embankment by imported fill material upto 5 km transportation							
	a. Compaction with Roller	Cum	118.06	118.06	130.73	130.73	DoR-9.05.1	
	b. Natural/Manual Compaction	Cum	65.90	65.90	75.79	75.79		
6	Construction of Roadway/Canal by Excavator including mobilization and demobilization of Machine							
	a. Soft soil	Cum	55.23	55.23	63.51	63.51	District Rate	
	b. Soft soil with rolling	Cum	111.32	111.32	122.98	122.98	DoR 9.05.1, District Rate	
	c. Hard soil/Ordinary rock	Cum	184.10	184.10	211.72	211.72	District Rate	
	d. Medium rock/Hard rock	Cum	368.20	368.20	423.43	423.43	District Rate	
7	Turfing with sods	Sqm	90.13	90.13	103.65	103.65	DoLIDAR-12a	
	Masonry Work							
8	Dry Boulder Soling pitting/Soling on prepared bedding	Cum	1725.00	1725.00	1983.75	1983.75	DoLIDAR-49	
9	Stone Soling with spalls	Cum	2143.75	2143.75	2465.31	2465.31	DoLIDAR-49	
	Dry Stone masonry	Cum	3018.08	3018.08	3462.94	3462.94	DoLIDAR-38.A.a	
10	Un-coursed Rubble masonry							
	a. In (1:3) cement Mortar	Cum	8142.60	8516.35	9034.46	9464.27	DoLIDAR-38.A.b	
	b. In (1:4) cement Mortar	Cum	7679.47	8053.22	8571.41	9001.22	DoLIDAR-38.A.c	
	c. In (1:6) cement Mortar	Cum	7359.96	7733.71	8256.14	8685.95	DoLIDAR-38.A.d	
11	Square Rubble-Coursed Rubble masonry (Second sort)							
	a. In (1:3) cement Mortar	Cum	10828.10	11358.10	12122.78	12732.28	DoLIDAR-38.B.b	
	b. In (1:4) cement Mortar	Cum	10364.97	10894.97	11659.74	12269.24	DoLIDAR-38.B.c	
	c. In (1:6) cement Mortar	Cum	10045.46	10575.46	11344.46	11953.96	DoLIDAR-38.B.d	
12	Brick Masonry							
	a. in 1:3 Cement mortar	Cum	15209.20	14149.20	17192.33	15973.33	DoLIDAR-37.a	
	b. in 1:4 Cement mortar	Cum	14758.40	13698.40	16739.11	15520.11	DoLIDAR-37.b	
	c. in 1:6 Cement mortar	Cum	14328.05	13268.05	16309.42	15090.42	DoLIDAR-37.c	

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	Plain cement Concrete							
13	Plain Cement Concrete in foundation Using Crushed Aggregate							
	a. In (1:3:6) proportion	Cum	9045.70	8593.65	9924.39	9404.53	DoLIDAR-38.A.a	
	b. In (1:2:4) proportion	Cum	10541.10	10089.05	11426.75	10906.89	DoLIDAR-38.A.b	
14	Plain Cement Concrete in Super structure Using Crushed Aggregate							
	a. In (1:2:4) proportion	Cum	11166.10	10714.05	12145.50	11625.64	DoLIDAR-38.B.a	
	b. In (1:1.5:3) proportion	Cum	12384.40	11932.35	13372.66	12852.80	DoLIDAR-38.B.b	
15	Plain Cement Concrete in foundation using natural river aggregate							
	a. In (1:3:6) ratio	Cum	8405.70	7953.65	9188.39	8668.53	DoLIDAR-41.A.a	
	b. In (1:2:4) ratio	Cum	10031.60	9579.55	10840.82	10320.96	DoLIDAR-41.A.b	
16	Plain Cement Concrete in Super structure using natural river aggregate							
	a. In (1:2:4) ratio	Cum	10524.60	10072.55	11407.77	10887.91	DoLIDAR-41.B.a	
	b. In (1:1.5:3) ratio	Cum	12199.90	11747.85	13160.49	12640.63	DoLIDAR-41.B.b	
17	Plum Concrete Works with 60% M 15/40 concrete and 40% boulders/stones							
	a. Without using concrete mixer & vibrator		7564.83	7564.83	8297.46	8297.46	DoR-24.14.01.b	
	b. Using concrete mixer & vibrator		7308.27	7308.27	7997.54	7997.54	DoR-24.14.01.a	
	Plaster Works							
18	20mm thick Cement Plaster work							
	a. In (1:4) cement Mortar	Sqm	402.91	402.91	445.96	445.96	DoR-25.06	
	b. In (1:6) cement Mortar	Sqm	368.55	368.55	411.23	411.23	DoR-25.06	
19	12.5 mm thick Cement Plaster work							
	a. In (1:3) cement Mortar	Sqm	310.37	271.77	346.86	302.47	DoLIDAR-37.B.b	
	b. In (1:4) cement Mortar	Sqm	295.67	257.07	332.13	287.74	DoLIDAR-37.B.c	
	b. In (1:6) cement Mortar	Sqm	285.77	247.17	322.38	277.99	DoLIDAR-37.B.d	
	Pointing Works							
20	Flush Pointing (1:3) cement Mortar	Sqm	144.95	115.05	164.61	130.23	DoLIDAR-37.C.c	
21	Ruled Pointing (1:3) cement Mortar	Sqm	270.05	210.25	308.48	239.71	DoLIDAR-37.E	
	Formwork & Reinforcement							
22	Formwork for beam and slab-One sqm							
	a. Local wood formwork Formwork for beam and slab for height 4 to 8 m	Sqm	985.67	948.30	1128.81	1085.83	DoLIDAR-39.a	
	b. Formwork for walls & vertical structures for height not exceeding 4 m	Sqm	750.26	712.89	858.08	815.11	DoLIDAR-39.b	
	c. 12 mm thick waterproof plywood formwork for beam, slab and Abutment	Sqm	810.18	810.18	904.07	904.07	DoR-1805-c	
	d. 19 mm thick waterproof plywood formwork for beam, slab and Abutment	Sqm	910.49	910.49	1006.16	1006.16	DoR-1805-c	
23	Reinforcement for RCC Work							
	a. 4.75 ~8 mm dia Tor kari	Kg	107.63	107.63	110.92	110.92	DoLIDAR-40	
	b. 10 ~25 mm dia Tor kari	Kg	106.44	106.44	109.71	109.71	DoLIDAR-40	
	c. Above 25 mm dia Tor kari	Kg	110.00	110.00	113.33	113.33	DoLIDAR-40	
	Road Surface Construction							
24	Preparation of subgrade with machine							
	a. Existing old Surface	Cum	143.89	143.89	158.62	158.62	DoR-10.1,10.03	
	b. Existing old Surface -avg 20 cm thick	Sqm	28.78	28.78	31.72	31.72	DoR-10.1,10.03	
25	Construction of natural sub-base - Loose	Cum	1155.84	1155.84	1329.22	1329.22	DoR-12.02	Add lead for
26	Construction of natural sub-base with watering and Rolling by 8-10 Roller	Cum	1656.11	1656.11	1881.11	1881.11	DoR-12.01	dist >5 km
27	Base course construction	Cum	2520.79	2520.79	2869.28	2869.28	DOR 12.06	
28	Application of Prime coat	liter	150.58	150.58	157.39	157.39	DOR-13.03	
29	Application of Tack coat	liter	150.58	150.58	157.39	157.39	DOR 13.01	
30	Construction of Premix Carpet	Cum	11929.30	11929.30	12778.66	12778.66	DOR 13.09	
31	Application of Sand seal	Sqm	564.03	564.03	577.99	577.99	DOR 13.07	

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	Gabion Work							
32	Fabrication of Gabion Boxes Medium Zinc Coater GI Wire Hexagonal Mesh 100x120 Including rolling, cutting, weaving, assembling, placing in position stretching, packing with stone and binding all complete. Medium Zinc Coated GI Wire							
	a. Box Size-2x1x1	Box	7433.11	7433.11	8194.83	8194.83	DoLIDAR 44-1-Bii/44-2-i/45	
	b. Box Size-3x1x1	Box	10978.13	10978.13	12113.87	12113.87	"	
	c. Box Size-1.5x1x1	Box	6006.55	6006.55	6602.70	6602.70	DoR24.01.02 DoLIDAR44-1-Bii/44-2-i/45	
	d. Box Size-2x1x0.5	Box	4347.80	4347.80	4753.01	4753.01	"	
	e. Box Size-3x1x0.5	Box	6421.85	6421.85	7025.35	7025.35	"	
	f. Box Size-2x1x0.3	Box	2869.28	2869.28	3094.34	3094.34	"	
	g. Box Size-3x1x0.3	Box	4615.13	4615.13	5006.90	5006.90		
33	Fabrication of Gabion Boxes Heavy Zinc Coater GI Wire Hexagonal Mesh 100x120 Including rolling, cutting, weaving, assembling, placing in position stretching, packing with stone and binding all complete. Heavy Zinc Coated GI Wire							
	a. Box Size-2x1x1	Box	7778.46	7778.46	8546.28	8546.28	DoLIDAR 44-1-Bii/44-2-i/45	
	b. Box Size-3x1x1	Box	11478.83	11478.83	12623.44	12623.44	"	
	c. Box Size-1.5x1x1	Box	6302.00	6302.00	6903.37	6903.37	DoR24.01.02 DoLIDAR44-1-Bii/44-2-i/45	
	d. Box Size-2x1x0.5	Box	4587.47	4587.47	4996.92	4996.92	"	
	e. Box Size-3x1x0.5	Box	6772.08	6772.08	7381.77	7381.77	"	
	f. Box Size-2x1x0.3	Box	3067.09	3067.09	3295.65	3295.65	"	
	g. Box Size-3x1x0.3	Box	4905.49	4905.49	5302.40	5302.40	"	
34	Machine made Gabion Boxes Heavy Zinc Coated GI Wire Hexagonal Mesh 100x120 Including assembling, placing in position stretching, packing with stone and binding all complete							
	a. Box Size-2x1x1	Box	7937.92	7937.92	8647.14	8647.14	DoLIDAR 44-1-Bii/44-2-i/45	
	b. Box Size-2x1x0.5	Box	4651.57	4651.57	5020.33	5020.33	"	
	c. Box Size-2x1x0.3	Box	3340.87	3340.87	3573.34	3573.34	"	
	d. Box Size-3x1x1	Box	11705.01	11705.01	12761.55	12761.55	"	
	e. Box Size-3x1x0.5	Box	6877.30	6877.30	7427.42	7427.42	"	
	f. Box Size-3x1x0.3	Box	4955.36	4955.36	5303.09	5303.09	"	
	g. Box Size-1.5x1x1	Box	6233.20	6233.20	6771.92	6771.92	DoR 24.01.02 DoLIDAR44-1-Bii/44-2-i/45	
	Hume pipe culvert work							
35	Preparation of bedding for pipe with granular material	Cum	1780.01	1780.01	2047.01	2047.01	DoLIDAR-46	
36	Laying of filter material adjacent to structures	Cum	2405.00	2405.00	2765.75	2765.75	DoLIDAR-17	
37	Laying, Fitting, fixing of Hume pipe(RCC-NP3)							
	a. 300 mm dia	Meter	3774.44	3774.44	3851.81	3851.81	DoLIDAR-47	
	b. 450 mm dia	Meter	5435.54	5435.54	5542.31	5542.31	DoLIDAR-47	
	c. 600 mm dia	Meter	7751.95	7751.95	7911.43	7911.43	DoLIDAR-47	
	d. 750 mm dia	Meter	11374.51	11374.51	11612.13	11612.13	DoLIDAR-47	
	e. 900 mm dia	Meter	14660.69	14660.69	14978.75	14978.75	DoLIDAR-47	
	f. 1200 mm dia	Meter	19515.80	19515.80	19972.63	19972.63	DoLIDAR-47	
	Dismantling of structure							
38	Brick Masonry	Cum	965.63	965.63	1110.47	1110.47	DoLIDAR-3	
39	Stone masonry work	Cum	1287.50	1287.50	1480.63	1480.63	DoLIDAR-3	
40	Concrete structure	Cum	1931.25	1931.25	2220.94	2220.94	DoLIDAR-3	
41	Concrete and flexible pavement	Cum	4315.00	4315.00	4962.25	4962.25	DoLIDAR-3	

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	Rural Water Supply Works							
42	Form work for ferrocement work	Sqm	333.71	333.71			WS Norms	
43	Steel bar binding for ferrocement work	Sqm	830.25	830.25			WS Norms	
44	Barbed wire fencing work	Rm	60.25	60.25			BN 24-6	
45	Laying & Jointing of HDP pipe						BN-17-2 ka	
	16,20,25mm OD Pipe	Rm	3.09	3.09				
	32mm OD Pipe	Rm	3.73	3.73				
	40 & 50 mm OD Pipe	Rm	4.51	4.51				
	63,75 & 90 mm OD Pipe	Rm	61.39	61.39				
	110,125 mm OD Pipe	Rm	90.51	90.51				BN-17-2 kha
	140,160,180 mm OD Pipe	Rm	124.74	124.74				
46	Laying & Jointing of G.I. pipe							BN-17-4 ka
	15 & 20 mm ID Pipe	Rm	63.19	63.19				
	25 & 32 mm ID Pipe	Rm	86.63	86.63				
	40 & 50 mm ID Pipe	Rm	118.22	118.22				
	65 & 80 mm ID Pipe	Rm	157.97	157.97				
	100 mm ID Pipe	Rm	197.72	197.72				
	125 mm ID Pipe	Rm	241.03	241.03				
47	Laying of single layer of 500 gauge polythine sheet.	Sqm	119.30	119.30				BN-18-11

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Rate Analysis for Rural Water Supply Works

3. Form work for ferrocement

Department Norms

For 1.00 sqm

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Unskilled	0.111	Md	625.00	69.38	
Skilled	0.167	Md	870.00	145.29	
Total of labour(L)				214.67	
Material					
Bamboo	0.33	No.	330.00	108.90	
Nail	0.014	Kg	101.70	1.42	
Binding wire	0.083	Kg	105.09	8.72	
Total of Material (M)				119.05	
Total (L+M)				333.71	
Rate per sqm				333.71	

4. Steel bar binding for ferrocement work

Department Norms

For 1.00 sqm

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Unskilled	0.083	Md	625.00	51.88	
Skilled	0.250	Md	870.00	217.50	
Total of labour(L)				269.38	
Material					
Binding wire	0.111	Kg	105.09	11.66	
Steel bar 8&10mm dia.	2.593	Kg	91.53	237.34	
Chicken wire mesh 90 cm width	1.806	Rm	59.30	107.10	
G.I. Plain wire	2.083	Kg	98.31	204.78	
Total of Material (M)				560.88	
Total (L+M)				830.25	
Rate per sqm				830.25	

5. Barbed wire fencing work

NN.24-6 NG

For 100.00m.Length.

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Unskilled	5.380	Md	625.00	3362.50	
Skilled	1.076	Md	870.00	936.12	
Total of labour(L)				4298.62	
Material					
GI Barbed wire	110	Rm	14.01	1541.32	
Nail hook	Ls			185.00	
Total of Material (M)				1726.32	
Total (L+M)				6024.94	
Rate per m				60.25	

6. Laying & Jointing of HDP pipe

NN.17-2 ka NG.

A.For 1000.00m Length & 16,20,25mm OD Pipe

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Plumber	1.000	Md	870.00	870.00	
Helper	1.000	Md	625.00	625.00	
Coolie	2.000	Md	625.00	1250.00	
Total of labour(L)				2745.00	
Material					
T&P.	1	day	250.00	250.00	
Fuel	0.250	ltr	109.29	27.32	
Contingencies @ 2.51 % of labor cost				68.90	
Total of Material (M)				346.22	
Total (L+M)				3091.22	
Rate per Rm				3.09	

Rate Analysis for Rural Water Supply Works

NN.17-2 ka NG.

B.For 1000.00m Length & 32mm OD Pipe

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Plumber	1.000	Md	870.00	870.00	
Helper	1.000	Md	625.00	625.00	
Coolie	3.000	Md	625.00	1875.00	
Total of labour(L)				3370.00	
Material					
T&P.	1	day	250.00	250.00	
Fuel	0.250	ltr	109.29	27.32	
Contingencies @ 2.51 % of labor cost				84.59	
Total of Material (M)				361.91	
Total (L+M)				3731.91	
Rate per Rm				3.73	

NN.17-2 ka NG.

C.For 1000.00m Length & 40 & 50 mm OD Pipe

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Plumber	1.500	Md	870.00	1305.00	
Helper	1.500	Md	625.00	937.50	
Coolie	3.000	Md	625.00	1875.00	
Total of labour(L)				4117.50	
Material					
T&P.	1	day	250.00	250.00	
Fuel	0.370	ltr	109.29	40.44	
Contingencies @ 2.51 % of labor cost				103.35	
Total of Material (M)				393.79	
Total (L+M)				4511.29	
Rate per Rm				4.51	

NN.17-2 kh NG.

D.For 50.00m Length & 63,75 & 90 mm OD Pipe

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Plumber	1.000	Md	870.00	870.00	
Helper	1.000	Md	625.00	625.00	
Coolie	2.000	Md	625.00	1250.00	
Total of labour(L)				2745.00	
Material					
T&P.	1	day	250.00	250.00	
Fuel	0.050	ltr	109.29	5.46	
Contingencies @ 2.51 % of labor cost				68.90	
Total of Material (M)				324.36	
Total (L+M)				3069.36	
Rate per Rm				61.39	

NN.17-2 kh NG.

E.For 50.00m Length 110,125 mm OD Pipe

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Plumber	1.500	Md	870.00	1305.00	
Helper	1.500	Md	625.00	937.50	
Coolie	3.000	Md	625.00	1875.00	
Total of labour(L)				4117.50	
Material					
T&P.	1	day	250.00	250.00	
Fuel	0.500	ltr	109.29	54.65	
Contingencies @ 2.51 % of labor cost				103.35	
Total of Material (M)				407.99	
Total (L+M)				4525.49	
Rate per Rm				90.51	

Rate Analysis for Rural Water Supply Works

NN.17-2 kh NG.

E.For 50.00m Length 140,160,180 mm OD Pipe

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Plumber	2.000	Md	870.00	1740.00	
Helper	2.000	Md	625.00	1250.00	
Coolie	4.000	Md	625.00	2500.00	
Total of labour(L)				5490.00	
Material					
T&P.	2	day	250.00	500.00	
Fuel	1.000	ltr	109.29	109.29	
Contingencies @ 2.51 % of labor cost				137.80	
Total of Material (M)				747.09	
Total (L+M)				6237.09	
Rate per Rm				124.74	

7. Laying & Jointing of G.I. pipe

NN.17-4 ka NG.

A.For 30.00m Length 15 &20 mm ID Pipe

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Plumber	0.500	Md	870.00	435.00	
Helper	1.000	Md	625.00	625.00	
Coolie	1.000	Md	625.00	625.00	
Total of labour(L)				1685.00	
Material					
Red lead, paint, Hemp etc. @10.0% of labour cost				168.50	
Contingencies @ 2.5 % of labor cost				42.13	
Total of Material (M)				210.63	
Total (L+M)				1895.63	
Rate per Rm				63.19	

NN.17-4 ka NG.

B.For 30.00m Length 25 &32 mm ID Pipe

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Plumber	0.500	Md	870.00	435.00	
Helper	1.500	Md	625.00	937.50	
Coolie	1.500	Md	625.00	937.50	
Total of labour(L)				2310.00	
Material					
Red lead, paint, Hemp etc. @10.0% of labour cost				231.00	
Contingencies @ 2.5 % of labor cost				57.75	
Total of Material (M)				288.75	
Total (L+M)				2598.75	
Rate per Rm				86.63	

NN.17-4 ka NG.

C.For 30.00m Length 40 & 50 mm ID Pipe

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Plumber	0.750	Md	870.00	652.50	
Helper	2.000	Md	625.00	1250.00	
Coolie	2.000	Md	625.00	1250.00	
Total of labour(L)				3152.50	
Material					
Red lead, paint, Hemp etc. @10.0% of labour cost				315.25	
Contingencies @ 2.5 % of labor cost				78.81	
Total of Material (M)				394.06	
Total (L+M)				3546.56	
Rate per Rm				118.22	

Rate Analysis for Rural Water Supply Works

NN.17-4 ka NG.

D.For 30.00m Length 65 & 80 mm ID Pipe

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Plumber	1.250	Md	870.00	1087.50	
Helper	2.000	Md	625.00	1250.00	
Coolie	3.000	Md	625.00	1875.00	
Total of labour(L)				4212.50	
Material					
Red lead, paint, Hemp etc. @10.0% of labour cost				421.25	
Contingencies @ 2.5 % of labor cost				105.31	
Total of Material (M)				526.56	
Total (L+M)				4739.06	
Rate per Rm				157.97	

NN.17-4 ka NG.

E.For 30.00m Length 100 mm ID Pipe

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Plumber	1.750	Md	870.00	1522.50	
Helper	2.000	Md	625.00	1250.00	
Coolie	4.000	Md	625.00	2500.00	
Total of labour(L)				5272.50	
Material					
Red lead, paint, Hemp etc. @10.0% of labour cost				527.25	
Contingencies @ 2.5 % of labor cost				131.81	
Total of Material (M)				659.06	
Total (L+M)				5931.56	
Rate per Rm				197.72	

NN.17-4 ka NG.

E.For 30.00m Length 125 mm ID Pipe

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Plumber	2.000	Md	870.00	1740.00	
Helper	2.500	Md	625.00	1562.50	
Coolie	5.000	Md	625.00	3125.00	
Total of labour(L)				6427.50	
Material					
Red lead, paint, Hemp etc. @10.0% of labour cost				642.75	
Contingencies @ 2.5 % of labor cost				160.69	
Total of Material (M)				803.44	
Total (L+M)				7230.94	
Rate per Rm				241.03	

8. Laying of single layer of 500 gauge polythine sheet.

NN.18-11 NG

For 10 sqm

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Unskilled	0.600	Md	625.00	375.00	
Skilled	0.600	Md	870.00	522.00	
Total of labour(L)				897.00	
Material					
Polythine sheet 500 gauge	11	sqm	26.90	295.95	
Total of Material (M)				295.95	
Total (L+M)				1192.95	
Rate per Sqm				119.30	

Rate Analysis for Rural Water Supply Works

9.12.5mm thick Mud Plaster work.

NN.12-6 NG

For 1.0 sqm

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Unskilled	0.150	Md	625.00	93.75	
Skilled	0.200	Md	870.00	174.00	
Total of labour(L)				267.75	
Material					
Mud	0.02	cum	625.00	9.38	
Bhusa	0.50	kg	10.00	5.00	
Gobar	0.6	kg	10.00	6.00	
Total of Material (M)				20.38	
Total (L+M)				288.13	
Rate per m				288.13	

10.25mm thick Mud Plaster work.

NN.12-5 NG

For 1.0 sqm

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Unskilled	0.250	Md	625.00	156.25	
Skilled	0.200	Md	870.00	174.00	
Total of labour(L)				330.25	
Material					
Mud	0.03	cum	625.00	18.75	
Bhusa	0.10	kg	10.00	1.00	
Gobar	1.2	kg	10.00	12.00	
Total of Material (M)				31.75	
Total (L+M)				362.00	
Rate per m				362.00	

11. Gravel Packing work. (for 1 cum)

Description	Quantity	Unit	Rate	Amount	Remarks
Labour					
Unskilled	3.500	Md	625.00	2187.50	
Skilled	1.000	Md	870.00	870.00	
Total of labour(L)				3057.50	
Material					
Aggregate 40 mm in size	1.05	cum	1050.00	1102.50	
Total of Material (M)				1102.50	
Total (L+M)				4160.00	
Rate per cum				4160.00	

Rate Analysis for User's Committee

Project Name:- Any

EARTHWORK AND SITE CLEARANCE

1.a.Site Clearance-One sqm

Rev.DoLIDAR-01

Labour				Material and Equipment			
Category	MD	Rate	Amount	Type	Quantity	Rate	Amount
Unskilled Labour	0.04	625.00	25.00	T&P	3%		0.75
Sub-Total			25.00				0.75
Rate per Sqm							25.75

1.b.Stripping of top soil -One Sqm

DoLIDAR-12a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Stripping of top soil-12.a				T&P		3%		2.25
Unskilled Labour [0.8*0.15]	0.12	625.00	75.00					
Sub-Total			75.00					2.25
							Rate per Sqm	77.25

2.Earthwork in excavation for road way, Drain and structure Foundation(Manual)

Ordinary Soil-One cum

Rev.DoLIDAR-05a

Labour				Material and Equipment			
Category	MD	Rate	Amount	Type	Quantity	Rate	Amount
Unskilled Labour	0.50	625.00	312.50	T&P	3%		9.38
Sub-Total			312.50				9.38
Rate per Cum							321.88

Hard Soil-One cum

Rev.DoLIDAR-05b

Labour				Material and Equipment			
Category	MD	Rate	Amount	Type	Quantity	Rate	Amount
Unskilled Labour	0.6	625.00	375.00	T&P	3%		11.25
Sub-Total			375.00				11.25
Rate per Cum							386.25

Ordinary Rock-One cum

Rev.DoLIDAR-05c

Labour				Material and Equipment			
Category	MD	Rate	Amount	Type	Quantity	Rate	Amount
Unskilled Labour	2.0	625.00	1250.00	T&P	3%		37.5
Sub-Total			1250.00				37.5
Rate per Cum							1287.50

3.Earthwork in Back filling behind structure with compaction

a.Ordinary Soil with compaction by rammer-One cum

DoR 2.12-(2-25Kha)

Labour				Material and Equipment			
Category	MD	Rate	Amount	Type	Quantity	Rate	Amount
Unskilled Labour	0.25	625.00	156.25	T&P	3%		4.69
Sub-Total			156.25				4.69
Rate per Cum							160.94

b. Hard Soil-One cum

DoR 2.12-(2-25Kha)

Labour				Material and Equipment			
Category	MD	Rate	Amount	Type	Quantity	Rate	Amount
Unskilled Labour	0.32	625.00	200.00	T&P	3%		6.00
Sub-Total			200.00				6
Rate per Cum							206.00

c.Boulder mixed soil -One cum

DoR 2.12-(2-25Kha)

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Unskilled Labour	0.30	625.00	187.50	T&P		3%		5.63
Sub-Total			187.50					5.63
Rate per Cum								193.13

36.Laying of filter material adjacent to structures-One Cum

DoLIDAR-17

SOLIDARITY								
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Granular material	Cum	1.10	1050.00	1155.00
Unskilled Labour	2.00	625.00	1250.00					
Sub-Total			1250.00					1155.00
							Rate per Sqm	2405.00

Construction of Roadway Embankment

Rate Analysis for User's Committee

Project Name:- Any

4. Local Material

a. Local fill material with watering compaction (Roller compaction) -One cum

DoLIDAR-10

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		T&P		3%		4.6875
Unskilled Labour	0.25	625.00	156.25	Roller	Hour	0.116	565.00	65.54
Sub-Total			156.25					70.23
Rate per Cum								226.48

b. Local fill material natural loose filling (manual compaction)-One cum

DoLIDAR-10

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		T&P		3%		4.69
Unskilled Labour	0.25	625.00	156.25					
Sub-Total			156.25					4.69
Rate per Cum								160.94

5. Imported Material

a. Roadway construction with imported fill material Compaction by roller)-One cum

DoR-9.05.1

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.002	870.00	1.74	Imported fill material	cum	1.10	55.23	60.75
Unskilled Labour	0.008	625.00	5.00	Roller 8-10 ton	hour	0.017	1017.00	17.29
				Grader	hour	0.005	1808.00	9.04
				Diesel	liter	0.122	96.25	11.74
				Water	liter	100.00	0.13	12.50
Sub-Total			6.74					111.32
Rate per Cum								118.06

b. Roadway construction with imported fill material (natural Compaction)-One cum

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Imported fill material	cum	1.10	55.23	60.75
Unskilled Labour	0.01	625.00	5.00	tools and plants -3%			3%	0.15
Sub-Total			5.00					60.90
Rate per Cum								65.90

6. Construction of Roadway by Excavator including mobilization and demobilization of Machine

Soft soil

District Rate

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Excavation by machine	cum	1.00	55.23	55.23
Unskilled Labour		625.00						
Sub-Total								55.23
Rate per Cum								55.23

Rate Analysis for User's Committee

Project Name:- Any

Soft soil(with rolling)

DoR 9.05.1, District Rate

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Excavation by machine	cum	1.10	55.23	60.75
Unskilled Labour		625.00		Roller 8-10 ton	hour	0.017	1017.00	17.29
				Grader	hour	0.005	1808.00	9.04
				Diesel	liter	0.122	96.25	11.74
				Water	liter	100.00	0.13	12.50
Sub-Total								111.32
Rate per Cum								111.32

Hard soil/Ordinary Rock

District Rate

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Excavation by mach	cum	1.00	184.10	184.10
Unskilled Labour		625.00						
Sub-Total								184.10
Rate per Cum								184.10

Medium Rock/Hard Rock

District Rate

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Excavation by machine	cum	1.00	368.20	368.20
Unskilled Labour		625.00						
Sub-Total								368.20
Rate per Cum								368.20

7.Turfingwith sods-One Sqm

DoLIDAR-12a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Stripping of top soil-12.a				T&P		3%		2.63
Unskilled Labour [0.8*0.12]	0.10	625.00	62.50					
Turfing with sods-12.c								
Unskilled Labour	0.04	625.00	25.00					
Sub-Total			87.50					2.63
Rate per Sqm								90.13

24.Subgrade preparation- One Cum

DOR 10.01,10.0:

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.010	870.00	8.70	Roller	Hour	0.017	1017.00	17.29
Unskilled Labour	0.100	625.00	62.50	Grader	Hour	0.010	1808.00	18.08
				Diesel	Liter	0.122	96.25	11.74
				Water	Liter	100.000	0.13	12.50
Sub-Total			71.20					59.61
Total								130.81
Quality tests @10%								13.08
Rate per Cum								143.89
Rate per sqm avg 20cm								28.78

25.Construction of Sub-base (Loose)- One Cum

DoR-12.02

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.005	870.00		Gravel 63mm down	Cum	1.00	1050.00	1050.00
Unskilled Labour	1.05	625.00		Royaltee	cum	1.00	105.84	105.84
Collection tipping		625.00						
Sub-Total								1155.84
Rate per Cum								1155.84

Rate Analysis for User's Committee

Project Name:- Any

26. Construction of Sub-base with watering and Rolling- One Cum**DoR-12.01**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.005	870.00	4.35	Gravel 63mm down	Cum	1.280	1050.00	1344.00
Unskilled Labour	0.040	625.00	25.00	Water Browser	hour	0.038	621.50	23.62
Collection tipping		625.00		Roller	Hour	0.022	1017.00	22.37
				Grader	Hour	0.022	1808.00	39.78
				Diesel	Liter	0.792	96.25	76.23
				Loader	hour	0.011	1356.00	14.92
				Royaltee	cum	1.00	105.84	105.84
Sub-Total			29.35					1626.76
Rate per Cum								1656.11

27. Construction of Base Course- One Cum**DOR 12.06**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.005	870.00	4.35	Crushed aggregate	Cum	1.200	1900.00	2280.00
Unskilled Labour	0.020	625.00	12.50	Water Browser	Hour	0.033	621.50	20.51
				Roller	Hour	0.033	1017.00	33.56
				Grader	Hour	0.033	1808.00	59.66
				Loader	Hour	0.011	1356.00	14.92
				Diesel	Liter	0.990	96.25	95.29
Sub-Total			16.85					2503.94
Rate per Cum								2520.79

28. Construction of prime coat- One liter**DOR-13.03**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.0030	870.00	2.61	Bitumen 80/100	Kg	1.0500	79.10	83.06
Unskilled Labour	0.0460	625.00	28.75	Kerosene	Kg	0.1000	76.00	7.60
				Diesel	liter	0.2750	96.25	26.47
				Boiler with operator	Hour	0.0025	203.40	0.51
				Bitumen Sprayer	Hour	0.0025	293.80	0.73
				Air compressor	Hour	0.0030	282.50	0.85
Sub-Total			31.36					119.22
Rate per Liter								150.58

29. Construction of Tack coat- One liter**DOR 13.01**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.0030	870.00	2.61	Bitumen	Cum	1.0500	79.10	83.06
Unskilled Labour	0.0460	625.00	28.75	kerosene	Liter	0.1000	76.00	7.60
				Diesel	Liter	0.275	96.25	26.47
				Boiler	hour	0.0025	203.40	0.51
				Sprayer	Cum	0.0025	293.80	0.73
				Air compressor	hour	0.0030	282.50	0.85
Sub-Total			31.36					119.22
Rate per Liter								150.58

30. Construction of premix Carpet- One cum**DOR 13.09**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.45	870.00	391.50	Chips aggregate	Cum	1.20	1350.00	1620.00
Unskilled Labour	4.50	625.00	2812.50	Bitumen 80/100	liter	77.00	79.10	6090.70
				Kerosene	Liter	7.70	76.00	585.20
				Diesel	Liter			
				Static Roller	hour	0.50	565.00	282.50
				Sprayer	hour	0.50	293.80	146.90
Sub-Total			3204.00					8725.30
Rate per cum								11929.30

Rate Analysis for User's Committee

Project Name:- Any

31. Providing and laying sand Seal- One sqm**DOR 13.07**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.010	870.00	8.70	Sand	Cum	0.0120	1050.00	12.60
Unskilled Labour	0.014	625.00	8.75	Bitumen 80/100	liter	6.6000	79.10	522.06
				Kerosene	liter	0.0100	76.00	0.76
				Diesel	hour	0.0810	96.25	7.80
				Boiler	hour	0.0040	203.40	0.81
				Roller	hour	0.0040	565.00	2.26
				Sprayer	hour	0.0010	293.80	0.29
Sub-Total			17.45					546.58
Rate per Sqm								564.03

Stone Soling and Masonry Work**8. Dry Stone Pitching/Soling on prepared bedding -One cum****DoLIDAR-49**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Boulder	Cum	1.1	1000.00	1100.00
Unskilled Labour	1.00	625.00	625.00					
Sub-Total			625.00					1100.00
Rate per Cum								1725.00

9. Stone Soling with spalls/sand -One cum**DoLIDAR-49**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Stone	Cum	1.10	1000.00	1100.00
Unskilled Labour	1.25	625.00	781.25	River spalls/sand	Cum	0.25	1050.00	262.50
Sub-Total			781.25					1362.50
Rate per Cum								2143.75

Dry Stone Masonry Work -One cum**DoLIDAR-38.A.a**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.50	870.00	435.00	Boulder	Cum	1.1	1000.00	1100.00
Unskilled Labour	1.75	625.00	1093.75	Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	118.65	59.33
Sub-Total			1528.75					1489.33
Rate per Cum								3018.08

10. Un-coursed Rubble masonry - One cum

In (1:3) cement Mortar

DoLIDAR-38-A.b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.50	870.00	1305.00	Cement	Kg	148.00	16.39	2425.72
Unskilled Labour	3.21	625.00	2006.25	sand	Cum	0.44	1420.00	624.80
				stone	Cum	1.10	1265.00	1391.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	118.65	59.33
Sub-Total			3311.25					4831.35
Rate per Cum								8142.60

In (1:3) cement Mortar for Plain/Terai**DoLIDAR-38-A.b**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.75	870.00	1522.50	Cement	Kg	148.00	16.39	2425.72
Unskilled Labour	3.46	625.00	2162.50	sand	Cum	0.44	1420.00	624.80
				stone	Cum	1.10	1265.00	1391.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	118.65	59.33
Sub-Total			3685.00					4831.35
Rate per Cum								8516.35

Rate Analysis for User's Committee

Project Name:- Any

In (1:4) cement Mortar**DoLIDAR-38-A.c**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.50	870.00	1305.00	Cement	Kg	116.00	16.39	1901.24
Unskilled Labour	3.24	625.00	2025.00	sand	Cum	0.47	1420.00	667.40
				stone	Cum	1.10	1265.00	1391.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	118.65	59.33
Sub-Total			3330.00					4349.47
Rate per Cum								7679.47

In (1:4) cement Mortar for Plain/Terai**DoLIDAR-38-A.c**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.75	870.00	1522.50	Cement	Kg	116.00	16.39	1901.24
Unskilled Labour	3.49	625.00	2181.25	sand	Cum	0.47	1420.00	667.40
				stone	Cum	1.10	1265.00	1391.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	118.65	59.33
Sub-Total			3703.75					4349.47
Rate per Cum								8053.22

In (1:6) cement Mortar-One cum**DoLIDAR-38-A.d**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.50	870.00	1305.00	Cement	Kg	92.00	16.39	1507.88
Unskilled Labour	3.29	625.00	2056.25	sand	Cum	0.50	1420.00	710.00
				stone	Cum	1.10	1265.00	1391.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	118.65	59.33
Sub-Total			3361.25					3998.71
Rate per Cum								7359.96

In (1:6) cement Mortar-One cum for Plain/Terai**DoLIDAR-38-B.d**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.75	870.00	1522.50	Cement	Kg	92.00	16.39	1507.88
Unskilled Labour	3.54	625.00	2212.50	sand	Cum	0.50	1420.00	710.00
				stone	Cum	1.10	1265.00	1391.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	118.65	59.33
Sub-Total			3735.00					3998.71
Rate per Cum								7733.71

11. Square Rubble Coursed Masonry-Second sort**In (1:3) cement Mortar-One cum****DoLIDAR-38-B-b**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	2.50	870.00	2175.00	Cement	Kg	148.00	16.39	2425.72
Unskilled Labour	5.71	625.00	3568.75	sand	Cum	0.44	1420.00	624.80
				stone	Cum	1.30	1265.00	1644.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	118.65	59.33
Sub-Total			5743.75					5084.35
Rate per Cum								10828.10

Rate Analysis for User's Committee

Project Name:- Any

In (1:3) cement Mortar-One cum for Plain/Terai

DoLIDAR-38-B-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	2.75	870.00	2392.50	Cement	Kg	148.00	16.39	2425.72
Unskilled Labour	6.21	625.00	3881.25	sand	Cum	0.44	1420.00	624.80
				stone	Cum	1.30	1265.00	1644.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	118.65	59.33
Sub-Total			6273.75					5084.35
Rate per Cum								11358.10

In (1:4) cement Mortar-One cum

DoLIDAR-38-B-c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	2.50	870.00	2175.00	Cement	Kg	116.00	16.39	1901.24
Unskilled Labour	5.74	625.00	3587.50	sand	Cum	0.47	1420.00	667.40
				stone	Cum	1.30	1265.00	1644.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	118.65	59.33
Sub-Total			5762.50					4602.47
Rate per Cum								10364.97

In (1:4) cement Mortar-One cum for Plain/Terai

DoLIDAR-38-B-c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	2.75	870.00	2392.50	Cement	Kg	116.00	16.39	1901.24
Unskilled Labour	6.24	625.00	3900.00	sand	Cum	0.47	1420.00	667.40
				stone	Cum	1.30	1265.00	1644.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	118.65	59.33
Sub-Total			6292.50					4602.47
Rate per Cum								10894.97

In (1:6) cement Mortar-One cum

DoLIDAR-38-B-d

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	2.50	870.00	2175.00	Cement	Kg	92.00	16.39	1507.88
Unskilled Labour	5.79	625.00	3618.75	sand	Cum	0.50	1420.00	710.00
				stone	Cum	1.30	1265.00	1644.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	118.65	59.33
Sub-Total			5793.75					4251.71
Rate per Cum								10045.46

In (1:6) cement Mortar-One cum for Plain/Terai

DoLIDAR-38-B-d

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	2.75	870.00	2392.50	Cement	Kg	92.00	16.39	1507.88
Unskilled Labour	6.29	625.00	3931.25	sand	Cum	0.50	1420.00	710.00
				stone	Cum	1.30	1265.00	1644.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	118.65	59.33
Sub-Total			6323.75					4251.71
Rate per Cum								10575.46

12.Brck Masonry in cement Mortar**In (1:3) cement Mortar-One cum/Hill**

DoLIDAR-37a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.50	870.00	1305.00	Cement	Kg	130.00	16.39	2130.70
Unskilled Labour	4.97	625.00	3106.25	sand	Cum	0.33	1420.00	468.60
				Brick	Cum	530.00	14.00	7420.00
				Bamboo	No	2	330.00	660.00
				Rope	Kg	1	118.65	118.65
Sub-Total			4411.25					10797.95
Rate per Cum								15209.20

Rate Analysis for User's Committee

Project Name:- Any

In (1:3) cement Mortar-One cum for Plain/Terai				DoLIDAR-37a				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	130.00	16.39	2130.70
Unskilled Labour	3.97	625.00	2481.25	sand	Cum	0.33	1420.00	468.60
				Brick	Cum	530.00	14.00	7420.00
				Bamboo	No	2	330.00	660.00
				Rope	Kg	1	118.65	118.65
Sub-Total			3351.25					10797.95
Rate per Cum								14149.20

In (1:4) cement Mortar-One cum				DoLIDAR-37b				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.50	870.00	1305.00	Cement	Kg	100.00	16.39	1639.00
Unskilled Labour	4.99	625.00	3118.75	sand	Cum	0.35	1420.00	497.00
				Brick	Cum	530.00	14.00	7420.00
				Bamboo	No	2	330.00	660.00
				Rope	Kg	1	118.65	118.65
Sub-Total			4423.75					10334.65
Rate per Cum								14758.40

In (1:4) cement Mortar-One cum for Plain/Terai				DoLIDAR-37b				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	100.00	16.39	1639.00
Unskilled Labour	3.99	625.00	2493.75	sand	Cum	0.35	1420.00	497.00
				Brick	Cum	530.00	14.00	7420.00
				Bamboo	No	2	330.00	660.00
				Rope	Kg	1	118.65	118.65
Sub-Total			3363.75					10334.65
Rate per Cum								13698.40

In (1:6) cement Mortar-One cum				DoLIDAR-37c				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.50	870.00	1305.00	Cement	Kg	70.00	16.39	1147.30
Unskilled Labour	5.02	625.00	3137.50	sand	Cum	0.38	1420.00	539.60
				Brick	Cum	530.00	14.00	7420.00
				Bamboo	No	2	330.00	660.00
				Rope	Kg	1	118.65	118.65
Sub-Total			4442.50					9885.55
Rate per Cum								14328.05

In (1:6) cement Mortar-One cum for Plain/Terai				DoLIDAR-37c				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	70.00	16.39	1147.30
Unskilled Labour	4.02	625.00	2512.50	sand	Cum	0.38	1420.00	539.60
				Brick	Cum	530.00	14.00	7420.00
				Bamboo	No	2	330.00	660.00
				Rope	Kg	1	118.65	118.65
Sub-Total			3382.50					9885.55
Rate per Cum								13268.05

Cement Concrete and Plaster Work

13.Plain Cement Concrete in foundation Using Crushed Aggregate

In (1:3:6) -One cum(in fdn,crushed agg)				DoLIDAR-41-A-a				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	220.00	16.39	3605.80
Unskilled Labour	3.50	625.00	2187.50	sand	Cum	0.47	1420.00	667.40
				Crushed Aggr-40mm	Cum	0.65	1900.00	1235.00
				Crushed Aggr-20mm	Cum	0.24	2000.00	480.00
Sub-Total			3057.50					5988.20
Rate per Cum								9045.70

Rate Analysis for User's Committee

Project Name:- Any

In (1:3:6) -One cum(in fdn,crushed agg) for Plain/Terai DoLIDAR-41-A-a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	220.00	16.39	3605.80
Unskilled Labour	3.25	625.00	2031.25	sand	Cum	0.47	1420.00	667.40
				Crushed Aggr-40mm	Cum	0.65	1900.00	1235.00
				Crushed Aggr-20mm	Cum	0.24	2000.00	480.00
Sub-Total			2605.45					5988.20
Rate per Cum								8593.65

In (1:2:4) -One cum(in fdn,crushed agg) DoLIDAR-41-A-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	320.00	16.39	5244.80
Unskilled Labour	3.56	625.00	2225.00	sand	Cum	0.44	1420.00	624.80
				Crushed Aggr-40mm	Cum	0.52	1900.00	988.00
				Crushed Aggr-20mm	Cum	0.22	2000.00	440.00
				Crushed Aggr-10mm	Cum	0.11	1350.00	148.50
Sub-Total			3095.00					7446.10
Rate per Cum								10541.10

In (1:2:4) -One cum(in fdn,crushed agg) for Plain/Terai DoLIDAR-41-A-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	320.00	16.39	5244.80
Unskilled Labour	3.31	625.00	2068.75	sand	Cum	0.44	1420.00	624.80
				Crushed Aggr-40mm	Cum	0.52	1900.00	988.00
				Crushed Aggr-20mm	Cum	0.22	2000.00	440.00
				Crushed Aggr-10mm	Cum	0.11	1350.00	148.50
Sub-Total			2642.95					7446.10
Rate per Cum								10089.05

14. Plain Cement Concrete in Super structure Using Crushed Aggregate DoLIDAR-41-B

In (1:2:4) -One cum(super str,crushed agg) DoLIDAR-41-B-a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	320.00	16.39	5244.80
Unskilled Labour	4.56	625.00	2850.00	sand	Cum	0.44	1420.00	624.80
				Crushed Aggr-40mm	Cum	0.52	1900.00	988.00
				Crushed Aggr-20mm	Cum	0.22	2000.00	440.00
				Crushed Aggr-10mm	Cum	0.11	1350.00	148.50
Sub-Total			3720.00					7446.10
Rate per Cum								11166.10

In (1:2:4) -One cum(super str,crushed agg) for Plain/Terai DoLIDAR-41-B-a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	320.00	16.39	5244.80
Unskilled Labour	4.31	625.00	2693.75	sand	Cum	0.44	1420.00	624.80
				Crushed Aggr-40mm	Cum	0.52	1900.00	988.00
				Crushed Aggr-20mm	Cum	0.22	2000.00	440.00
				Crushed Aggr-10mm	Cum	0.11	1350.00	148.50
Sub-Total			3267.95					7446.10
Rate per Cum								10714.05

In (1:1.5:3) -One cum(super str,crushed agg) DoLIDAR-41-B-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	400.00	16.39	6556.00
Unskilled Labour	4.62	625.00	2887.50	sand	Cum	0.42	1420.00	596.40
				Crushed Aggr-20mm	Cum	0.57	1900.00	1083.00
				Crushed Aggr-10mm	Cum	0.29	1350.00	391.50
Sub-Total			3757.50					8626.90
Rate per Cum								12384.40

In (1:1.5:3) -One cum(super str,crushed agg) for Plain/Terai DoLIDAR-41-B-b

Labour				Material and Equipment				
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Rate Analysis for User's Committee

Project Name:- Any

Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	400.00	16.39	6556.00
Unskilled Labour	4.37	625.00	2731.25	sand	Cum	0.42	1420.00	596.40
				Crushed Aggr-20mm	Cum	0.57	1900.00	1083.00
				Crushed Aggr-10mm	Cum	0.29	1350.00	391.50
Sub-Total			3305.45					8626.90
Rate per Cum								11932.35

15.Plain Cement Concrete in foundation using natural river aggregate

DoLIDAR-41-A

In (1:3:6) -One cum(in fdn,natural agg)

DoLIDAR-41-A-a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	220.00	16.39	3605.80
Unskilled Labour	3.50	625.00	2187.50	sand	Cum	0.47	1420.00	667.40
				Natural Agg.-40mm	Cum	0.65	1100.00	715.00
				Natural Agg.-20mm	Cum	0.24	1500.00	360.00
Sub-Total			3057.50					5348.20
Rate per Cum								8405.70

In (1:3:6) -One cum(in fdn,natural agg) for Plain/Terai

DoLIDAR-41-A-a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	220.00	16.39	3605.80
Unskilled Labour	3.25	625.00	2031.25	sand	Cum	0.47	1420.00	667.40
				Natural Agg.-40mm	Cum	0.65	1100.00	715.00
				Natural Agg.-20mm	Cum	0.24	1500.00	360.00
Sub-Total			2605.45					5348.20
Rate per Cum								7953.65

In (1:2:4) -One cum(in fdn,natural agg)

DoLIDAR-41-A-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	320.00	16.39	5244.80
Unskilled Labour	3.56	625.00	2225.00	sand	Cum	0.44	1420.00	624.80
				Natural Agg.-40mm	Cum	0.52	1100.00	572.00
				Natural Agg.-20mm	Cum	0.22	1500.00	330.00
				Natural Agg.-10mm	Cum	0.11	1500.00	165.00
Sub-Total			3095.00					6936.60
Rate per Cum								10031.60

Rate Analysis for User's Committee

Project Name:- Any

In (1:2:4) -One cum(in fdn,natural agg) for Plain/Terai**DoLIDAR-41-A-b**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	320.00	16.39	5244.80
Unskilled Labour	3.31	625.00	2068.75	sand	Cum	0.44	1420.00	624.80
				Natural Agg. -40mm	Cum	0.52	1100.00	572.00
				Natural Agg. -20mm	Cum	0.22	1500.00	330.00
				Natural Agg. -10mm	Cum	0.11	1500.00	165.00
Sub-Total			2642.95					6936.60
Rate per Cum								9579.55

16.Plain Cement Concrete in Super structure using natural river aggregate**DoLIDAR-41-B****In (1:2:4) -One cum(in super str,natural agg)****DoLIDAR-41-B-a**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	320.00	16.39	5244.80
Unskilled Labour	4.56	625.00	2850	sand	Cum	0.44	1420.00	624.8
				Natural Agg. 20-40mm	Cum	0.85	1100.00	935
Sub-Total			3720.00					6804.60
Rate per Cum								10524.60

In (1:2:4) -One cum(in super str,natural agg) for Plain/Terai**DoLIDAR-41-B-a**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	320.00	16.39	5244.80
Unskilled Labour	4.31	625.00	2693.75	sand	Cum	0.44	1420.00	624.8
				Natural Agg. 20-40mm	Cum	0.85	1100.00	935
Sub-Total			3267.95					6804.60
Rate per Cum								10072.55

In (1:1.5:3) -One cum(in super str,natural agg)**DoLIDAR-41-B-b**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	400.00	16.39	6556.00
Unskilled Labour	4.62	625.00	2887.50	sand	Cum	0.42	1420.00	596.40
				Natural Agg. 10-20mm	Cum	0.86	1500.00	1290.00
Sub-Total			3757.50					8442.40
Rate per Cum								12199.90

In (1:1.5:3) -One cum(in super str,natural agg) for Plain/Terai**DoLIDAR-41-B-b**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	400.00	16.39	6556.00
Unskilled Labour	4.37	625.00	2731.25	sand	Cum	0.42	1420.00	596.40
				Natural Agg. 10-20mm	Cum	0.86	1500.00	1290.00
Sub-Total			3305.45					8442.40
Rate per Cum								11747.85

17.Providing and placing plum concrete with 60% M 15/40 concrete and 40% boulders/stones**DoR-24.14.01b****a.Without using concrete mixer & vibrator**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.30	870.00	261.00	Stone	Cum	0.440	1265.00	556.60
Unskilled Labour	4.000	625.00	2500.00	Cement	Kg	185.00	16.39	3032.15
				sand	Cum	0.299	1420.00	424.58
				Natural Agg. 5-40mm	Cum	0.527	1500.00	790.50
Sub-Total			2761.00					4803.83
Rate per Cum								7564.83

Rate Analysis for User's Committee

Project Name:- Any

Providing and placing plum concrete with 60% M 15/40 concrete and 40% boulders/stones
DoR-24.14.01a
b. Using concrete mixer & vibrator

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.30	870.00	261.00	Stone	Cum	0.440	1265.00	556.60
Unskilled Labour	3.000	625.00	1875.00	Cement	Kg	169.00	16.39	2769.91
				sand	Cum	0.299	1420.00	424.58
				Natural Agg. 5-40mm	Cum	0.573	1500.00	859.50
				Petrol	Lit	0.10	109.29	10.93
				Diesel	Lit	3.00	96.25	288.75
				Concrete mixer .28/.20 cum capacity	Hr	0.50	500.00	250.00
				Vibrator	Hr	0.10	120.00	12.00
Sub-Total			2136.00					5172.27
Rate per Cum								7308.27

18) 20mm thick Cement Plaster work
20 mm th-In (1:4) cement Mortar -One Sqm
DoR-25.06

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.14	870.00	121.80	Cement	Kg	8.000	16.39	131.12
Unskilled Labour	0.19	625.00	118.75	Sand	Cum	0.022	1420.00	31.24
Sub-Total			240.55					162.36
Rate per Sqm								402.91

20 mm th-In (1:6) cement Mortar -One Sqm
DoR-25.06

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.14	870.00	121.80	Cement	Kg	5.800	16.39	95.06
Unskilled Labour	0.19	625.00	118.75	Sand	Cum	0.0232	1420.00	32.94
Sub-Total			240.55					128.00
Rate per Sqm								368.55

19) 12.5 mm thick Cement Plaster work
12.5 mm th-In (1:3) cement Mortar -One Sqm
DoLIDAR-37-B-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.150	870.00	130.50	Cement	Kg	4.630	16.39	75.89
Unskilled Labour	0.135	625.00	84.38	Sand	Cum	0.0138	1420.00	19.60
Sub-Total			214.88					95.49
Rate per Sqm								310.37

12.5 mm th-In (1:3) cement Mortar -One Sqm for Plain/Terai
DoLIDAR-37-B-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.120	870.00	104.40	Cement	Kg	4.630	16.39	75.89
Unskilled Labour	0.115	625.00	71.88	Sand	Cum	0.0138	1420.00	19.60
Sub-Total			176.28					95.49
Rate per Sqm								271.77

12.5 mm th-In (1:4) cement Mortar -One Sqm
DoLIDAR-37-B-c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.150	870.00	130.50	Cement	Kg	3.630	16.39	59.50
Unskilled Labour	0.136	625.00	84.94	Sand	Cum	0.0146	1420.00	20.73
Sub-Total			215.44					80.23
Rate per Sqm								295.67

12.5 mm th-In (1:4) cement Mortar -One Sqm for Plain/Terai
DoLIDAR-37-B-c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.120	870.00	104.40	Cement	Kg	3.630	16.39	59.50
Unskilled Labour	0.116	625.00	72.44	Sand	Cum	0.0146	1420.00	20.73
Sub-Total			176.84					80.23
Rate per Sqm								257.07

Rate Analysis for User's Committee

Project Name:- Any

12.5 mm th-In (1:6) cement Mortar -One Sqm**DoLIDAR-37-B-d**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.150	870.00	130.50	Cement	Kg	2.880	16.39	47.20
Unskilled Labour	0.137	625.00	85.63	Sand	Cum	0.0158	1420.00	22.44
Sub-Total			216.13					69.64
Rate per Sqm								285.77

12.5 mm th-In (1:6) cement Mortar -One Sqm for Plain/Terai**DoLIDAR-37-B-d**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.120	870.00	104.40	Cement	Kg	2.880	16.39	47.20
Unskilled Labour	0.117	625.00	73.13	Sand	Cum	0.0158	1420.00	22.44
Sub-Total			177.53					69.64
Rate per Sqm								247.17

Pointing Works -One Sqm**DoLIDAR-37-C****20.Flush Pointing(1:3)-One Sqm****DoLIDAR-37-C-c**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.0800	870.00	69.60	Cement	Kg	0.9600	16.39	15.73
Unskilled Labour	0.0888	625.00	55.50	Sand	Cum	0.0029	1420.00	4.12
Sub-Total			125.10					19.85
Rate per Sqm								144.95

20.Flush Pointing(1:3)-One Sqm for Plain/Terai**DoLIDAR-37-C-c**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.0600	870.00	52.20	Cement	Kg	0.9600	16.39	15.73
Unskilled Labour	0.0688	625.00	43.00	Sand	Cum	0.0029	1420.00	4.12
Sub-Total			95.20					19.85
Rate per Sqm								115.05

21.Rulled Pointing (1:3) cement Mortar -One Sqm**DoLIDAR-37-E**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.160	870.00	139.20	Cement	Kg	0.9600	16.39	15.73
Unskilled Labour	0.178	625.00	111.00	Sand	Cum	0.0029	1420.00	4.12
Sub-Total			250.20					19.85
Rate per Sqm								270.05

21.Rulled Pointing (1:3) cement Mortar -One Sqm for Plain/Terai**DoLIDAR-37-E**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.120	870.00	104.40	Cement	Kg	0.9600	16.39	15.73
Unskilled Labour	0.138	625.00	86.00	Sand	Cum	0.0029	1420.00	4.12
Sub-Total			190.40					19.85
Rate per Sqm								210.25

Formwork**22. Localwood formwork-One sqm****a. Formwork for beam and slab for height 4 to8 m-One sqm****DoLIDAR-39-a**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.150	870.00	130.50	Local wood/6	Cum	0.0208	44452.80	926.10
Unskilled Labour	0.200	625.00	125.00	Nails	Kg	0.3500	101.70	35.60
				Scrap Value 25%				-231.53
Sub-Total			255.50					730.17
Rate per Sqm								985.67

Rate Analysis for User's Committee

Project Name:- Any

a. Formwork for beam and slab for height 4 to 8 m-One sqm for Plain/Terai

DoLIDAR-39-a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.125	870.00	108.75	Local wood/6	Cum	0.0208	44452.80	926.10
Unskilled Labour	0.175	625.00	109.38	Nails	Kg	0.3500	101.70	35.60
				Scrap Value 25%				-231.53
Sub-Total			218.13					730.17
Rate per Sqm								948.30

b. Formwork for walls & vertical structures for height not exceeding 4 m-One sqm

DoLIDAR-39-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.075	870.00	65.25	Local wood/6	Cum	0.0167	44452.80	740.88
Unskilled Labour	0.150	625.00	93.75	Nails	Kg	0.3500	101.70	35.60
				Scrap Value 25%				-185.22
Sub-Total			159.00					591.26
Rate per Sqm								750.26

b. Formwork for walls & vertical structures for height not exceeding 4 m-One sqm for Plain/Terai

DoLIDAR-39-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.050	870.00	43.50	Local wood/6	Cum	0.0167	44452.80	740.88
Unskilled Labour	0.125	625.00	78.13	Nails	Kg	0.3500	101.70	35.60
				Scrap Value 25%				-185.22
Sub-Total			121.63					591.26
Rate per Sqm								712.89

c. 12mm thick Waterproof Plywood formwork-One sqm

DoR-1805-c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.25	870.00	217.50	Waterproof Plywood/6	sqm	0.18	972.70	178.33
Unskilled Labour	0.30	625.00	187.50	Nails	Cum	0.30	101.70	30.51
				Local wood for rafters	Cum	0.002	44452.80	74.09
				Local wood for batten	Cum	0.0028	44452.80	122.25
Sub-Total			405.00					405.18
Rate per Sqm								810.18

c. 19mm thick Waterproof Plywood formwork-One sqm

DoR-1805-c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.25	870.00	217.50	Waterproof Plywood/6	sqm	0.18	1519.85	278.64
Unskilled Labour	0.30	625.00	187.50	Nails	Cum	0.30	101.70	30.51
				Local wood for rafters	Cum	0.002	44452.80	74.09
				Local wood for batten	Cum	0.0028	44452.80	122.25
Sub-Total			405.00					505.49
Rate per Sqm								910.49

Steel Works**23.Reinforcement for RCC Work-One Kg****a. 4.75,7 and 8 mm dia**

Rev.DoLIDAR-40

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.007	870.00	6.09	Steel	Kg	1.05	91.53	96.11
Unskilled Labour	0.007	625.00	4.38	Anneled Wire	Kg	0.01	105.09	1.05
Sub-Total			10.47					97.16
Rate per Kg								107.63

b. 10-25 mm diameter

DoLIDAR-40

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.007	870.00	6.09	Steel	Kg	1.05	90.40	94.92
Unskilled Labour	0.007	625.00	4.38	Anneled Wire	Kg	0.01	105.09	1.05
Sub-Total			10.47					95.97
Rate per Kg								106.44

c. Above 25 mm diameter

DoLIDAR-40

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.007	870.00	6.09	Steel	Kg	1.05	93.79	98.48
Unskilled Labour	0.007	625.00	4.38	Anneled Wire	Kg	0.01	105.09	1.05
Sub-Total			10.47					99.53
Rate per Kg								110.00

Rate Analysis for User's Committee

Project Name:- Any

Gabion Works

Medium Coated

32.Fabrication of Gabion Boxes Medium Zinc Coater GI Wire Hexagonal Mesh 100x120 Including rolling, cutting, weaving, assembling, placing in position stretching, packing with stone and binding all complete

a. Box Size-2x1x1

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.39	870.00	339.30	Mesh Wire-10SWG	Kg	23.43	99.44	2329.88
Unskilled Labour	0.20	625.00	125.00	Selvage Wire-8 SWG	Kg	2.40	102.83	246.79
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.95	98.31	93.39
Stone Packing -[45]								
Skilled labour	0.60	870.00	522.00	Stone	Cum	2.20	1265.00	2783.00
Unskilled Labour	1.50	625.00	937.50					
Sub-Total			1980.05					5453.06
Rate per Box								7433.11

b. Box Size-3x1x1

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.57	870.00	495.90	Mesh Wire-10SWG	Kg	34.08	99.44	3388.92
Unskilled Labour	0.28	625.00	175.00	Selvage Wire-8 SWG	Kg	3.36	102.83	345.51
Assembling- [44.2-i]								
Unskilled Labour	0.13	625.00	81.25	Binding wire-12SWG	Kg	1.30	98.31	127.80
Stone Packing -[45]								
Skilled labour	0.90	870.00	783.00	Stone	Cum	3.30	1265.00	4174.50
Unskilled Labour	2.25	625.00	1406.25					
Sub-Total			2941.40					8036.73
Rate per Box								10978.13

c. Box Size-1.5x1x1 (As 9sqm=3x1x0.3)

DoR24.01.02 DoLIDAR44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.39	870.00	339.30	Mesh Wire-10SWG	Kg	19.75	99.44	1963.94
Unskilled Labour	0.20	625.00	125.00	Selvage Wire-8 SWG	Kg	2.40	102.83	246.79
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.95	98.31	93.39
Stone Packing -[45]								
Skilled labour	0.45	870.00	391.50	Stone	Cum	1.65	1265.00	2087.25
Unskilled Labour	1.13	625.00	703.13					
Sub-Total			1615.18					4391.37
Rate per Box								6006.55

Rate Analysis for User's Committee

Project Name:- Any

d. Box Size-2x1x0.5

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.27	870.00	234.90	Mesh Wire-10SWG	Kg	15.97	99.44	1588.06
Unskilled Labour	0.13	625.00	81.25	Selvage Wire-8 SWG	Kg	2.04	102.83	209.77
Assembling- [44.2-i]								
Unskilled Labour	0.07	625.00	43.75	Binding wire-12SWG	Kg	0.70	98.31	68.82
Stone Packing -[45]								
Skilled labour	0.30	870.00	261.00	Stone	Cum	1.10	1265.00	1391.50
Unskilled Labour	0.75	625.00	468.75					
Sub-Total			1089.65					3258.15
Rate per Box								4347.80

e. Box Size-3x1x0.5

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.39	870.00	339.30	Mesh Wire-10SWG	Kg	23.43	99.44	2329.88
Unskilled Labour	0.20	625.00	125.00	Selvage Wire-8 SWG	Kg	2.88	102.83	296.15
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.95	98.31	93.39
Stone Packing -[45]								
Skilled labour	0.45	870.00	391.50	Stone	Cum	1.65	1265.00	2087.25
Unskilled Labour	1.13	625.00	703.13					
Sub-Total			1615.18					4806.67
Rate per Box								6421.85

f. Box Size-2x1x0.3

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.22	870.00	191.40	Mesh Wire-10SWG	Kg	13.00	99.44	1292.72
Unskilled Labour	0.11	625.00	68.75	Selvage Wire-8 SWG	Kg	1.90	102.83	195.38
Assembling- [44.2-i]								
Unskilled Labour	0.06	625.00	37.50	Binding wire-12SWG	Kg	0.65	98.31	63.90
Stone Packing -[45]								
Skilled labour	0.18	870.00	156.60	Stone	Cum	0.66	1265.00	834.90
Unskilled Labour	0.05	625.00	28.13					
Sub-Total			482.38					2386.90
Rate per Box								2869.28

Rate Analysis for User's Committee

Project Name:- Any

g. Box Size-3x1x0.3

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.32	870.00	278.40	Mesh Wire-10SWG	Kg	19.17	99.44	1906.26
Unskilled Labour	0.16	625.00	100.00	Selvage Wire-8 SWG	Kg	2.69	102.83	276.61
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.90	98.31	88.48
Stone Packing -[45]								
Skilled labour	0.27	870.00	234.90	Stone	Cum	0.99	1265.00	1252.35
Unskilled Labour	0.68	625.00	421.88					
Sub-Total			1091.43					3523.70
Rate per Box								4615.13

Heavy Coated

33.Fabrication of Gabion Boxes Heavy Zinc Coater GI Wire Hexagonal Mesh 100x120 Including rolling, cutting, weaving, assembling, placing in position stretching, packing with stone and binding all complete

a. Box Size-2x1x1

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.39	870.00	339.30	Mesh Wire-10SWG	Kg	23.43	113.00	2647.59
Unskilled Labour	0.20	625.00	125.00	Selvage Wire-8 SWG	Kg	2.40	113.00	271.20
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.95	101.70	96.62
Stone Packing -[45]								
Skilled labour	0.60	870.00	522.00	Stone	Cum	2.20	1265.00	2783.00
Unskilled Labour	1.50	625.00	937.50					
Sub-Total			1980.05					5798.41
Rate per Box								7778.46

b. Box Size-3x1x1

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.57	870.00	495.90	Mesh Wire-10SWG	Kg	34.08	113.00	3851.04
Unskilled Labour	0.28	625.00	175.00	Selvage Wire-8 SWG	Kg	3.36	113.00	379.68
Assembling- [44.2-i]								
Unskilled Labour	0.13	625.00	81.25	Binding wire-12SWG	Kg	1.30	101.70	132.21
Stone Packing -[45]								
Skilled labour	0.90	870.00	783.00	Stone	Cum	3.30	1265.00	4174.50
Unskilled Labour	2.25	625.00	1406.25					
Sub-Total			2941.40					8537.43
Rate per Box								11478.83

c. Box Size-1.5x1x1

DoR24.01.02 DoLIDAR44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.39	870.00	339.30	Mesh Wire-10SWG	Kg	19.75	113.00	2231.75
Unskilled Labour	0.20	625.00	125.00	Selvage Wire-8 SWG	Kg	2.40	113.00	271.20
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.95	101.70	96.62
Stone Packing -[45]								
Skilled labour	0.45	870.00	391.50	Stone	Cum	1.65	1265.00	2087.25
Unskilled Labour	1.13	625.00	703.13					
Sub-Total			1615.18					4686.82
Rate per Box								6302.00

Rate Analysis for User's Committee

Project Name:- Any

d. Box Size-2x1x0.5

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.27	870.00	234.90	Mesh Wire-10SWG	Kg	15.97	113.00	1804.61
Unskilled Labour	0.13	625.00	81.25	Selvage Wire-8 SWG	Kg	2.04	113.00	230.52
Assembling- [44.2-i]								
Unskilled Labour	0.07	625.00	43.75	Binding wire-12SWG	Kg	0.70	101.70	71.19
Stone Packing -[45]								
Skilled labour	0.30	870.00	261.00	Stone	Cum	1.10	1265.00	1391.50
Unskilled Labour	0.75	625.00	468.75					
Sub-Total			1089.65					3497.82
Rate per Box								4587.47

e. Box Size-3x1x0.5

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.39	870.00	339.30	Mesh Wire-10SWG	Kg	23.43	113.00	2647.59
Unskilled Labour	0.20	625.00	125.00	Selvage Wire-8 SWG	Kg	2.88	113.00	325.44
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.95	101.70	96.62
Stone Packing -[45]								
Skilled labour	0.45	870.00	391.50	Stone	Cum	1.65	1265.00	2087.25
Unskilled Labour	1.13	625.00	703.13					
Sub-Total			1615.18					5156.90
Rate per Box								6772.08

f. Box Size-2x1x0.3

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.22	870.00	191.40	Mesh Wire-10SWG	Kg	13.00	113.00	1469.00
Unskilled Labour	0.11	625.00	68.75	Selvage Wire-8 SWG	Kg	1.90	113.00	214.70
Assembling- [44.2-i]								
Unskilled Labour	0.06	625.00	37.50	Binding wire-12SWG	Kg	0.65	101.70	66.11
Stone Packing -[45]								
Skilled labour	0.18	870.00	156.60	Stone	Cum	0.66	1265.00	834.90
Unskilled Labour	0.05	625.00	28.13					
Sub-Total			482.38					2584.71
Rate per Box								3067.09

g. Box Size-3x1x0.3

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.32	870.00	278.40	Mesh Wire-10SWG	Kg	19.17	113.00	2166.21
Unskilled Labour	0.16	625.00	100.00	Selvage Wire-8 SWG	Kg	2.69	113.00	303.97
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.90	101.70	91.53
Stone Packing -[45]								
Skilled labour	0.27	870.00	234.90	Stone	Cum	0.99	1265.00	1252.35
Unskilled Labour	0.68	625.00	421.88					
Sub-Total			1091.43					3814.06
Rate per Box								4905.49

34.Machine made Gabion Boxes Heavy Zinc Coated GI Wire Hexagonal Mesh 100x120 Including assembling, placing in position stretching, packing with stone and binding all complete

a. Box Size-2x1x1

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Machine made mesh	sqm	11.00	322.05	3542.55
Stone Packing -[45]								
Skilled labour	0.60	870.00	522.00	Binding wire-12swg	Kg	0.95	101.70	96.62
Unskilled Labour	1.50	625.00	937.50	Stone	Cum	2.20	1265.00	2783.00
Sub-Total			1515.75					6422.17
Rate per Box								7937.92

Rate Analysis for User's Committee

Project Name:- Any

b. Box Size-2x1x.50

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Assembling- [44.2-i]				Machine made mesh	sqm	7.50	322.05	2415.38
Unskilled Labour	0.07	625.00	43.75	Binding wire-12swg	Kg	0.70	101.70	71.19
Stone Packing -[45]								
Skilled labour	0.30	870.00	261.00	Stone	Cum	1.10	1265.00	1391.50
Unskilled Labour	0.75	625.00	468.75					
Sub-Total			773.50					3878.07
Rate per Box								4651.57

c. Box Size-2x1x.30

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Assembling- [44.2-i]				Machine made mesh	sqm	6.10	322.05	1964.51
Unskilled Labour	0.06	625.00	37.50	Binding wire-12swg	Kg	0.65	101.70	66.11
Stone Packing -[45]								
Skilled labour	0.18	870.00	156.60	Stone	Cum	0.66	1265.00	834.90
Unskilled Labour	0.45	625.00	281.25					
Sub-Total			475.35					2865.52
Rate per Box								3340.87

d. Box Size-3x1x1

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Assembling- [44.2-i]				Machine made mesh	sqm	16.00	322.05	5152.80
Unskilled Labour	0.09	625.00	56.25	Binding wire-12swg	Kg	1.30	101.70	132.21
Stone Packing -[45]								
Skilled labour	0.90	870.00	783.00	Stone	Cum	3.30	1265.00	4174.50
Unskilled Labour	2.25	625.00	1406.25					
Sub-Total			2245.50					9459.51
Rate per Box								11705.01

e. Box Size-3x1x.50

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Assembling- [44.2-i]				Machine made mesh	sqm	11.00	322.05	3542.55
Unskilled Labour	0.09	625.00	56.25	Binding wire-12swg	Kg	0.95	101.70	96.62
Stone Packing -[45]								
Skilled labour	0.45	870.00	391.50	Stone	Cum	1.65	1265.00	2087.25
Unskilled Labour	1.13	625.00	703.13					
Sub-Total			1150.88					5726.42
Rate per Box								6877.30

Rate Analysis for User's Committee

Project Name:- Any

f. Box Size-3x1x.30

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Assembling- [44.2-i]				Machine made mesh	sqm	9.00	322.05	2898.45
Unskilled Labour	0.09	625.00	56.25	Binding wire-12swg	Kg	0.90	101.70	91.53
Stone Packing -[45]								
Skilled labour	0.27	870.00	234.90	Stone	Cum	0.99	1265.00	1252.35
Unskilled Labour	0.68	625.00	421.88					
Sub-Total			713.03					4242.33
Rate per Box								4955.36

g. Box Size-1.5x1x1

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Assembling- [44.2-i]				Machine made mesh	sqm	9.00	322.05	2898.45
Unskilled Labour	0.09	625.00	56.25	Binding wire-12swg	Kg	0.95	101.70	96.62
Stone Packing -[45]								
Skilled labour	0.45	870.00	391.50	Stone	Cum	1.65	1265.00	2087.25
Unskilled Labour	1.13	625.00	703.13					
Sub-Total			1150.88					5082.32
Rate per Box								6233.20

Hume pipe culvert work

35.Preparation of granular bedding for pipe with granular material-One Cum

DoLIDAR-46

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Granular material	Cum	1.10	1050.00	1155.00
Unskilled Labour	1.00	625.00	625.00	Water	Cum	0.10	0.13	0.01
Sub-Total			625.00					1155.01
Rate per Cum								1780.01

37.Laying, Fitting, fixing of Hume pipe-one meter(RCC-NP3)

300 mm dia

DoLIDAR-47

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.02	870.00	17.40	NP3 pipe-600 mm dia	meter	1.00	3559.50	3559.50
Unskilled Labour	0.10	625.00	62.50	Cement	Kg	1.00	16.39	16.39
				jute	Kg	1.00	118.65	118.65
Sub-Total			79.90					3694.54
Rate per m								3774.44

450 mm dia

DoLIDAR-47

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.02	870.00	17.40	NP3 pipe-600 mm dia	meter	1.00	5220.60	5220.60
Unskilled Labour	0.10	625.00	62.50	Cement	Kg	1.00	16.39	16.39
				jute	Kg	1.00	118.65	118.65
Sub-Total			79.90					5355.64
Rate per m								5435.54

600 mm dia

DoLIDAR-47

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.05	870.00	43.50	NP3 pipe-600 mm dia	meter	1.00	7237.65	7237.65
Unskilled Labour	0.20	625.00	125.00	Cement	Kg	3.00	16.39	49.17
				jute	Kg	2.50	118.65	296.63
Sub-Total			168.50					7583.45
Rate per m								7751.95

750 mm dia

DoLIDAR-47

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.10	870.00	87.00	NP3 pipe-750 mm dia	meter	1.00	10678.50	10678.50
Unskilled Labour	0.30	625.00	187.50	Cement	Kg	4.00	16.39	65.56
				jute	Kg	3.00	118.65	355.95
Sub-Total			274.50					11100.01
Rate per m								11374.51

Rate Analysis for User's Committee

Project Name:- Any

900 mm dia

DoLIDAR-47

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.15	870.00	130.50	NP3 pipe-900 mm dia	meter	1.00	13644.75	13644.75
Unskilled Labour	0.50	625.00	312.50	Cement	Kg	6.00	16.39	98.34
				jute	Kg	4.00	118.65	474.60
Sub-Total			443.00					14217.69
Rate per m								14660.69

1200 mm dia

DoLIDAR-47

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.25	870.00	217.50	NP3 pipe-900 mm dia	meter	1.00	17797.50	17797.50
Unskilled Labour	1.00	625.00	625.00	Cement	Kg	10.00	16.39	163.90
				jute	Kg	6.00	118.65	711.90
Sub-Total			842.50					18673.30
Rate per m								19515.80

Dismantling of Structures

38.Brick Masonry-One cum

DoLIDAR-3

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Unskilled Labour	1.50	625.00	937.50	Tools and Plants			3.00%	28.13
Sub-Total			937.50					28.13
Rate per Cum								965.63

39.Stone masonry work- One Cum

DoLIDAR-3

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Unskilled Labour	2.00	625.00	1250.00	Tools and Plants			3.00%	37.50
Sub-Total			1250.00					37.50
Rate per Cum								1287.50

40.Concrete- One Cum

DoLIDAR-3

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Unskilled Labour	3.00	625.00	1875.00	Tools and Plants			3.00%	56.25
Sub-Total			1875.00					56.25
Rate per Cum								1931.25

41. Concrete and flexible pavement work- One Cum

DoLIDAR-3

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	2.00	870.00	1740.00					
Unskilled Labour	4.00	625.00	2500.00	Tools and Plants			3.00%	75.00
Sub-Total			4240.00					75.00
Rate per Cum								4315.00

Providing, jointing and laying LDP pipes with or without collar etc. complete in place as per specification.

a) 110 mm / 125 mm outer diameter

unit 50 rm

DoR-7.01

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	3.000	870.00	2610.00	HDP pipe	m	50.000	158.20	7910.00
Unskilled Labour	3.000	625.00	1875.00	Petrol	ltr	0.500	109.29	54.65
Sub-Total			4485.00					7964.65
Rate per 50 rm								12449.65
Rate per m								248.99

Providing and installing of 50mm G.I. Pipe railing as per drawings all complete

a) 110 mm / 125 mm outer diameter

unit 1 rm

DoR-31.01

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Pipe	mtr	1.000	656.53	656.53
Unskilled Labour		625.00		Socket	No	0.167	302.84	50.47
Sub-Total								707.00
Additional 3% for the cost of pipe for necessary labour, materials, equipment and other consumables								21.21
Rate per rm								728.21

Rate Analysis for Contractor

Project Name:- Any

EARTHWORK AND SITE CLEARANCE**1.a.Site Clearance-One sqm**

Rev.DoLIDAR-01

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type		Quantity	Rate	Amount
Unskilled Labour	0.04	625.00	25.00	T&P		3%		0.75
Sub-Total			25.00					0.75
Rate per Sqm								25.75
15 % Overhead								3.86
Rate with overhead								29.61

1.b.Stripping of top soil -One Sqm

DoLIDAR-12a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Stripping of top soil-12.a				T&P		3%		2.25
Unskilled Labour [0.8*0.15]	0.12	625.00	75.00					
Sub-Total			75.00					2.25
Rate per Sqm								77.25
15 % Overhead								11.59
Rate with overhead								88.84

2.Earthwork in excavation for road way, Drain and structure Foundation(Manual)**Ordinary Soil-One cum**

Rev.DoLIDAR-05a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type		Quantity	Rate	Amount
Unskilled Labour	0.50	625.00	312.50	T&P		3%		9.38
Sub-Total			312.50					9.38
Rate per Cum								321.88
15 % Overhead								48.28
Rate with overhead								370.16

Hard Soil-One cum

Rev.DoLIDAR-05b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type		Quantity	Rate	Amount
Unskilled Labour	0.6	625.00	375.00	T&P		3%		11.25
Sub-Total			375.00					11.25
Rate per Cum								386.25
15 % Overhead								57.94
Rate with overhead								444.19

Ordinary Rock-One cum

Rev.DoLIDAR-05c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type		Quantity	Rate	Amount
Unskilled Labour	2.0	625.00	1250.00	T&P		3%		37.5
Sub-Total			1250.00					37.5
Rate per Cum								1287.50
15 % Overhead								193.13
Rate with overhead								1480.63

3.Earthwork in Back filling behind structure with compaction**a.Ordinary Soil with compaction by rammer-One cum**

DoR 2.12-(2-25Kha)

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type		Quantity	Rate	Amount
Unskilled Labour	0.25	625.00	156.25	T&P		3%		4.69
Sub-Total			156.25					4.69
Rate per Cum								160.94
15 % Overhead								24.14
Rate with overhead								185.08

Rate Analysis for Contractor

Project Name:- Any

b. Hard Soil-One cum

DoR 2.12-(2-25Kha)

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Unskilled Labour	0.32	625.00	200.00	T&P		3%		6.00
Sub-Total			200.00					6
Rate per Cum								206.00
15 % Overhead								30.90
Rate with overhead								236.90

c. Boulder mixed soil -One cum

DoR 2.12-(2-25Kha)

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Unskilled Labour	0.30	625.00	187.50	T&P		3%		5.63
Sub-Total			187.50					5.63
Rate per Cum								193.13
15 % Overhead								28.97
Rate with overhead								222.10

36. Laying of filter material adjacent to structures-One Cum

DoLIDAR-17

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour			870.00	Granular material	Cum	1.10	1050.00	1155.00
Unskilled Labour	2.00	625.00	1250.00					
Sub-Total			1250.00					1155.00
Rate per Sqm								2405.00
15 % Overhead								360.75
Rate with overhead								2765.75

Construction of Roadway Embankment**4. Local Material****a. Local fill material with watering compaction (Roller compaction) -One cum**

DoLIDAR-10

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour			870.00	T&P		3%		4.6875
Unskilled Labour	0.25	625.00	156.25	Roller	Hour	0.116	500.00	58.00
Sub-Total			156.25					62.69
Rate per Cum								218.94
15 % Overhead								32.84
Rate with overhead								251.78

b. Local fill material natural loose filling (manual compaction)-One cum

DoLIDAR-10

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour			870.00	T&P		3%		4.69
Unskilled Labour	0.25	625.00	156.25					
Sub-Total			156.25					4.69
Rate per Cum								160.94
15 % Overhead								24.14
Rate with overhead								185.08

5. Imported Material**a. Roadway construction with imported fill material Compaction by roller)-One cum**

DoR-9.05.1

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.002	870.00	1.74	Imported fill material	cum	1.10	55.23	60.75
Unskilled Labour	0.008	625.00	5.00	Roller 8-10 ton	hour	0.017	900.00	15.30
				Grader	hour	0.005	1600.00	8.00
				Diesel	liter	0.122	85.18	10.39
				Water	liter	100.00	0.13	12.50
Sub-Total			6.74					106.94
Rate per Cum								113.68
15 % Overhead								17.05
Rate with overhead								130.73

Rate Analysis for Contractor

Project Name:- Any

b.Roadway construction with imported fill material (natural Compaction)-One cum

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Imported fill material	cum	1.10	55.23	60.75
Unskilled Labour	0.01	625.00	5.00	tools and plants -3%			3%	0.15
Sub-Total			5.00					60.90
Rate per Cum								65.90
15 % Overhead								9.89
Rate with overhead								75.79

6..Construction of Roadway by Excavator including mobilization and demobilization of Machine

Labour				Material and Equipment					District Rate
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount	
Skilled labour		870.00		Excavation by machine	cum	1.00	55.23	55.23	
Unskilled Labour		625.00							
Sub-Total								55.23	
Rate per Cum								55.23	
15 % Overhead								8.28	
Rate with overhead								63.51	

Soft soil(with rolling)

DoR 9.05.1, District Rate

Labour				Material and Equipment					
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount	
Skilled labour		870.00		Excavation by machine	cum	1.10	55.23	60.75	
Unskilled Labour		625.00		Roller 8~10 ton	hour	0.017	900.00	15.30	
				Grader	hour	0.005	1600.00	8.00	
				Diesel	liter	0.122	85.18	10.39	
				Water	liter	100.00	0.13	12.50	
Sub-Total								106.94	
Rate per Cum								106.94	
15 % Overhead								16.04	
Rate with overhead								122.98	

Hard soil/Ordinary Rock

District Rate

Labour				Material and Equipment					
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount	
Skilled labour		870.00		Excavation by mach	cum	1.00	184.10	184.10	
Unskilled Labour		625.00							
Sub-Total								184.10	
Rate per Cum								184.10	
15 % Overhead								27.62	
Rate with overhead								211.72	

Medium Rock/Hard Rock

District Rate

Labour				Material and Equipment					
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount	
Skilled labour		870.00		Excavation by machine	cum	1.00	368.20	368.20	
Unskilled Labour		625.00							
Sub-Total								368.20	
Rate per Cum								368.20	
15 % Overhead								55.23	
Rate with overhead								423.43	

7.Turfingwith sods-One Sqm

DoLIDAR-12a

Labour				Material and Equipment					
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount	
Stripping of top soil-12.a				T&P		3%			2.63
Unskilled Labour [0.8*0.12]	0.10	625.00	62.50						
Turfing with sods-12.c									
Unskilled Labour	0.04	625.00	25.00						
Sub-Total			87.50						2.63
Rate per Sqm								90.13	
15 % Overhead								13.52	

Rate Analysis for Contractor

Project Name:- Any

	Rate with overhead	103.65
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24.Subgrade preparation- One Cum DOR 10.01.10.0

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.010	870.00	8.70	Roller	Hour	0.017	900.00	15.30
Unskilled Labour	0.100	625.00	62.50	Grader	Hour	0.010	1600.00	16.00
				Diesel	Liter	0.122	85.18	10.39
				Water	Liter	100.000	0.13	12.50
Sub-Total			71.20					54.19
Total								125.39
Quality tests @10%								12.54
Rate per Cum								137.93
15 % overhead								20.69
Total per cum								158.62
Rate per sqm avg 20cm								31.72

25.Construction of Sub-base (Loose)- One Cum DoR-12.02

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.005	870.00		Gravel 63mm down	Cum	1.00	1050.00	1050.00
Unskilled Labour	1.05	625.00		Royaltee	cum	1.00	105.84	105.84
Collection tipping		625.00						
Sub-Total								1155.84
Rate per Cum								1155.84
15 % Overhead								173.38
Rate with overhead								1329.22

26.Construction of Sub-base with watering and Rolling- One Cum DoR-12.01

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.005	870.00	4.35	Gravel 63mm down	Cum	1.280	1050.00	1344.00
Unskilled Labour	0.040	625.00	25.00	Water Browser	hour	0.038	550.00	20.90
Collection tipping		625.00		Roller	Hour	0.022	900.00	19.80
				Grader	Hour	0.022	1600.00	35.20
				Diesel	Liter	0.792	85.18	67.46
				Loader	hour	0.011	1200.00	13.20
				Royaltee	cum	1.00	105.84	105.84
Sub-Total			29.35					1606.40
Rate per Cum								1635.75
15 % Overhead								245.36
Rate with overhead								1881.11

27.Construction of Base Course- One Cum DOR 12.06

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.005	870.00	4.35	Crushed aggregate	Cum	1.200	1900.00	2280.00
Unskilled Labour	0.020	625.00	12.50	Water Browser	Hour	0.033	550.00	18.15
				Roller	Hour	0.033	900.00	29.70
				Grader	Hour	0.033	1600.00	52.80
				Loader	Hour	0.011	1200.00	13.20
				Diesel	Liter	0.990	85.18	84.33
Sub-Total			16.85					2478.18
Rate per Cum								2495.03
15 % Overhead								374.25
Rate with overhead								2869.28

28.Construction of prime coat- One liter DOR-13.03

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.0030	870.00	2.61	Bitumen 80/100	Kg	1.0500	70.00	73.50
Unskilled Labour	0.0460	625.00	28.75	Kerosene	Kg	0.1000	67.26	6.73
				Diesel	liter	0.2750	85.18	23.42
				Boiler with operator	Hour	0.0025	180.00	0.45
				Bitumen Sprayer	Hour	0.0025	260.00	0.65
				Air compressor	Hour	0.0030	250.00	0.75
Sub-Total			31.36					105.50
Rate per Liter								136.86
15 % Overhead								20.53
Rate with overhead								157.39

Rate Analysis for Contractor

Project Name:- Any

29.Construction of Tack coat- One liter								DOR 13.01
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.0030	870.00	2.61	Bitumen	Cum	1.0500	70.00	73.50
Unskilled Labour	0.0460	625.00	28.75	kerosene	Liter	0.1000	67.26	6.73
				Diesel	Liter	0.275	85.18	23.42
				Boiler	hour	0.0025	180.00	0.45
				Sprayer	Cum	0.0025	260.00	0.65
				Air compressor	hour	0.0030	250.00	0.75
Sub-Total			31.36					105.50
Rate per Liter								136.86
15 % Overhead								20.53
Rate with overhead								157.39

30.Construction of premix Carpet- One cum								DOR 13.09
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.45	870.00	391.50	Chips aggregate	Cum	1.20	1350.00	1620.00
Unskilled Labour	4.50	625.00	2812.50	Bitumen 80/100	liter	77.00	70.00	5390.00
				Kerosene	Liter	7.70	67.26	517.88
				Diesel	Liter			
				Static Roller	hour	0.50	500.00	250.00
				Sprayer	hour	0.50	260.00	130.00
Sub-Total			3204.00					7907.88
Rate per cum								11111.88
15 % Overhead								1666.78
Rate with overhead								12778.66

31.Providing and laying sand Seal- One sqm								DOR 13.07
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.010	870.00	8.70	Sand	Cum	0.0120	1050.00	12.60
Unskilled Labour	0.014	625.00	8.75	Bitumen 80/100	liter	6.6000	70.00	462.00
				Kerosene	liter	0.0100	67.26	0.67
				Diesel	hour	0.0810	85.18	6.90
				Boiler	hour	0.0040	180.00	0.72
				Roller	hour	0.0040	500.00	2.00
				Sprayer	hour	0.0010	260.00	0.26
Sub-Total			17.45					485.15
Rate per Sqm								502.60
15 % Overhead								75.39
Rate with overhead								577.99

Stone Soling and Masonry Work

8.Dry Stone Pitching/Soling on prepared bedding -One cum								DoLIDAR-49
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Boulder	Cum	1.1	1000.00	1100.00
Unskilled Labour	1.00	625.00	625.00					
Sub-Total			625.00					1100.00
Rate per Cum								1725.00
15 % Overhead								258.75
Rate with overhead								1983.75

9.Stone Soling with spalls/sand -One cum								DoLIDAR-49
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Stone	Cum	1.10	1000.00	1100.00
Unskilled Labour	1.25	625.00	781.25	River spalls/sand	Cum	0.25	1050.00	262.50
Sub-Total			781.25					1362.50
Rate per Cum								2143.75
15 % Overhead								321.56
Rate with overhead								2465.31

Rate Analysis for Contractor

Project Name:- Any

Dry Stone Masonry Work -One cum DoLIDAR-38-A.a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.50	870.00	435.00	Boulder	Cum	1.1	1000.00	1100.00
Unskilled Labour	1.75	625.00	1093.75	Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	105.00	52.50
Sub-Total			1528.75					1482.50
Rate per Cum								3011.25
15 % Overhead								451.69
Rate with overhead								3462.94

10.Un-coursed Rubble masonry - One cum

In (1:3) cement Mortar

DoLIDAR-38-A.b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.50	870.00	1305.00	Cement	Kg	148.00	14.50	2146.00
Unskilled Labour	3.21	625.00	2006.25	sand	Cum	0.44	1420.00	624.80
				stone	Cum	1.10	1265.00	1391.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	105.00	52.50
Sub-Total			3311.25					4544.80
Rate per Cum								7856.05
15 % Overhead								1178.41
Rate with overhead								9034.46

In (1:3) cement Mortar for Plain/Teral

DoLIDAR-38-A.b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.75	870.00	1522.50	Cement	Kg	148.00	14.50	2146.00
Unskilled Labour	3.46	625.00	2162.50	sand	Cum	0.44	1420.00	624.80
				stone	Cum	1.10	1265.00	1391.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	105.00	52.50
Sub-Total			3685.00					4544.80
Rate per Cum								8229.80
15 % Overhead								1234.47
Rate with overhead								9464.27

In (1:4) cement Mortar

DoLIDAR-38-A.c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.50	870.00	1305.00	Cement	Kg	116.00	14.50	1682.00
Unskilled Labour	3.24	625.00	2025.00	sand	Cum	0.47	1420.00	667.40
				stone	Cum	1.10	1265.00	1391.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	105.00	52.50
Sub-Total			3330.00					4123.40
Rate per Cum								7453.40
15 % Overhead								1118.01
Rate with overhead								8571.41

In (1:4) cement Mortar for Plain/Teral

DoLIDAR-38-A.c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.75	870.00	1522.50	Cement	Kg	116.00	14.50	1682.00
Unskilled Labour	3.49	625.00	2181.25	sand	Cum	0.47	1420.00	667.40
				stone	Cum	1.10	1265.00	1391.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	105.00	52.50
Sub-Total			3703.75					4123.40
Rate per Cum								7827.15
15 % Overhead								1174.07
Rate with overhead								9001.22

Rate Analysis for Contractor

Project Name:- Any

In (1:6) cement Mortar-One cum

DoLIDAR-38-A.d

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.50	870.00	1305.00	Cement	Kg	92.00	14.50	1334.00
Unskilled Labour	3.29	625.00	2056.25	sand	Cum	0.50	1420.00	710.00
				stone	Cum	1.10	1265.00	1391.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	105.00	52.50
Sub-Total			3361.25					3818.00
Rate per Cum								7179.25
15 % Overhead								1076.89
Rate with overhead								8256.14

In (1:6) cement Mortar-One cum for Plain/Terali

DoLIDAR-38-B.d

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.75	870.00	1522.50	Cement	Kg	92.00	14.50	1334.00
Unskilled Labour	3.54	625.00	2212.50	sand	Cum	0.50	1420.00	710.00
				stone	Cum	1.10	1265.00	1391.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	105.00	52.50
Sub-Total			3735.00					3818.00
Rate per Cum								7553.00
15 % Overhead								1132.95
Rate with overhead								8685.95

11.Square Rubble Coursed Masonry-Second sort

In (1:3) cement Mortar-One cum

DoLIDAR-38-B-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	2.50	870.00	2175.00	Cement	Kg	148.00	14.50	2146.00
Unskilled Labour	5.71	625.00	3568.75	sand	Cum	0.44	1420.00	624.80
				stone	Cum	1.30	1265.00	1644.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	105.00	52.50
Sub-Total			5743.75					4797.80
Rate per Cum								10541.55
15 % Overhead								1581.23
Rate with overhead								12122.78

In (1:3) cement Mortar-One cum for Plain/Terali

DoLIDAR-38-B-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	2.75	870.00	2392.50	Cement	Kg	148.00	14.50	2146.00
Unskilled Labour	6.21	625.00	3881.25	sand	Cum	0.44	1420.00	624.80
				stone	Cum	1.30	1265.00	1644.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	105.00	52.50
Sub-Total			6273.75					4797.80
Rate per Cum								11071.55
15 % Overhead								1660.73
Rate with overhead								12732.28

In (1:4) cement Mortar-One cum

DoLIDAR-38-B-c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	2.50	870.00	2175.00	Cement	Kg	116.00	14.50	1682.00
Unskilled Labour	5.74	625.00	3587.50	sand	Cum	0.47	1420.00	667.40
				stone	Cum	1.30	1265.00	1644.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	105.00	52.50
Sub-Total			5762.50					4376.40
Rate per Cum								10138.90
15 % Overhead								1520.84
Rate with overhead								11659.74

Rate Analysis for Contractor

Project Name:- Any

In (1:4) cement Mortar-One cum for Plain/Terai**DoLIDAR-38-B-c**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	2.75	870.00	2392.50	Cement	Kg	116.00	14.50	1682.00
Unskilled Labour	6.24	625.00	3900.00	sand	Cum	0.47	1420.00	667.40
				stone	Cum	1.30	1265.00	1644.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	105.00	52.50
Sub-Total			6292.50					4376.40
Rate per Cum								10668.90
15 % Overhead								1600.34
Rate with overhead								12269.24

In (1:6) cement Mortar-One cum**DoLIDAR-38-B-d**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	2.50	870.00	2175.00	Cement	Kg	92.00	14.50	1334.00
Unskilled Labour	5.79	625.00	3618.75	sand	Cum	0.50	1420.00	710.00
				stone	Cum	1.30	1265.00	1644.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	105.00	52.50
Sub-Total			5793.75					4071.00
Rate per Cum								9864.75
15 % Overhead								1479.71
Rate with overhead								11344.46

In (1:6) cement Mortar-One cum for Plain/Terai**DoLIDAR-38-B-d**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	2.75	870.00	2392.50	Cement	Kg	92.00	14.50	1334.00
Unskilled Labour	6.29	625.00	3931.25	sand	Cum	0.50	1420.00	710.00
				stone	Cum	1.30	1265.00	1644.50
				Bamboo	No	1	330.00	330.00
				Rope	Kg	0.5	105.00	52.50
Sub-Total			6323.75					4071.00
Rate per Cum								10394.75
15 % Overhead								1559.21
Rate with overhead								11953.96

12.Brck Masonry in cement Mortar**In (1:3) cement Mortar-One cum/Hill****DoLIDAR-37a**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.50	870.00	1305.00	Cement	Kg	130.00	14.50	1885.00
Unskilled Labour	4.97	625.00	3106.25	sand	Cum	0.33	1420.00	468.60
				Brick	Cum	530.00	14.00	7420.00
				Bamboo	No	2	330.00	660.00
				Rope	Kg	1	105.00	105.00
Sub-Total			4411.25					10538.60
Rate per Cum								14949.85
15 % Overhead								2242.48
Rate with overhead								17192.33

In (1:3) cement Mortar-One cum for Plain/Terai**DoLIDAR-37a**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	130.00	14.50	1885.00
Unskilled Labour	3.97	625.00	2481.25	sand	Cum	0.33	1420.00	468.60
				Brick	Cum	530.00	14.00	7420.00
				Bamboo	No	2	330.00	660.00
				Rope	Kg	1	105.00	105.00
Sub-Total			3351.25					10538.60
Rate per Cum								13889.85
15 % Overhead								2083.48
Rate with overhead								15973.33

Rate Analysis for Contractor

Project Name:- Any

In (1:4) cement Mortar-One cum

DoLIDAR-37b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.50	870.00	1305.00	Cement	Kg	100.00	14.50	1450.00
Unskilled Labour	4.99	625.00	3118.75	sand	Cum	0.35	1420.00	497.00
				Brick	Cum	530.00	14.00	7420.00
				Bamboo	No	2	330.00	660.00
				Rope	Kg	1	105.00	105.00
Sub-Total			4423.75					10132.00
Rate per Cum								14555.75
15 % Overhead								2183.36
Rate with overhead								16739.11

In (1:4) cement Mortar-One cum for Plain/Teral

DoLIDAR-37b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	100.00	14.50	1450.00
Unskilled Labour	3.99	625.00	2493.75	sand	Cum	0.35	1420.00	497.00
				Brick	Cum	530.00	14.00	7420.00
				Bamboo	No	2	330.00	660.00
				Rope	Kg	1	105.00	105.00
Sub-Total			3363.75					10132.00
Rate per Cum								13495.75
15 % Overhead								2024.36
Rate with overhead								15520.11

In (1:6) cement Mortar-One cum

DoLIDAR-37c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.50	870.00	1305.00	Cement	Kg	70.00	14.50	1015.00
Unskilled Labour	5.02	625.00	3137.50	sand	Cum	0.38	1420.00	539.60
				Brick	Cum	530.00	14.00	7420.00
				Bamboo	No	2	330.00	660.00
				Rope	Kg	1	105.00	105.00
Sub-Total			4442.50					9739.60
Rate per Cum								14182.10
15 % Overhead								2127.32
Rate with overhead								16309.42

In (1:6) cement Mortar-One cum for Plain/Teral

DoLIDAR-37c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	70.00	14.50	1015.00
Unskilled Labour	4.02	625.00	2512.50	sand	Cum	0.38	1420.00	539.60
				Brick	Cum	530.00	14.00	7420.00
				Bamboo	No	2	330.00	660.00
				Rope	Kg	1	105.00	105.00
Sub-Total			3382.50					9739.60
Rate per Cum								13122.10
15 % Overhead								1968.32
Rate with overhead								15090.42

Cement Concrete and Plaster Work

13.Plain Cement Concrete in foundation Using Crushed Aggregate

DoLIDAR-41-A

In (1:3:6) -One cum(in fdn,crushed agg)

DoLIDAR-41-A-a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	220.00	14.50	3190.00
Unskilled Labour	3.50	625.00	2187.50	sand	Cum	0.47	1420.00	667.40
				Crushed Aggr-40mm	Cum	0.65	1900.00	1235.00
				Crushed Aggr-20mm	Cum	0.24	2000.00	480.00
Sub-Total			3057.50					5572.40
Rate per Cum								8629.90
15 % Overhead								1294.49
Rate with overhead								9924.39

Rate Analysis for Contractor

Project Name:- Any

In (1:3:6) -One cum(in fdn,crushed agg) for Plain/Terai**DoLIDAR-41-A-a**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	220.00	14.50	3190.00
Unskilled Labour	3.25	625.00	2031.25	sand	Cum	0.47	1420.00	667.40
				Crushed Aggr-40mm	Cum	0.65	1900.00	1235.00
				Crushed Aggr-20mm	Cum	0.24	2000.00	480.00
Sub-Total			2605.45					5572.40
Rate per Cum								8177.85
15 % Overhead								1226.68
Rate with overhead								9404.53

In (1:2:4) -One cum(in fdn,crushed agg)**DoLIDAR-41-A-b**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	320.00	14.50	4640.00
Unskilled Labour	3.56	625.00	2225.00	sand	Cum	0.44	1420.00	624.80
				Crushed Aggr-40mm	Cum	0.52	1900.00	988.00
				Crushed Aggr-20mm	Cum	0.22	2000.00	440.00
				Crushed Aggr-10mm	Cum	0.11	1350.00	148.50
Sub-Total			3095.00					6841.30
Rate per Cum								9936.30
15 % Overhead								1490.45
Rate with overhead								11426.75

In (1:2:4) -One cum(in fdn,crushed agg) for Plain/Terai**DoLIDAR-41-A-b**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	320.00	14.50	4640.00
Unskilled Labour	3.31	625.00	2068.75	sand	Cum	0.44	1420.00	624.80
				Crushed Aggr-40mm	Cum	0.52	1900.00	988.00
				Crushed Aggr-20mm	Cum	0.22	2000.00	440.00
				Crushed Aggr-10mm	Cum	0.11	1350.00	148.50
Sub-Total			2642.95					6841.30
Rate per Cum								9484.25
15 % Overhead								1422.64
Rate with overhead								10906.89

14. Plain Cement Concrete in Super structure Using Crushed Aggregate**DoLIDAR-41-B****In (1:2:4) -One cum(super str,crushed agg)****DoLIDAR-41-B-a**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	320.00	14.50	4640.00
Unskilled Labour	4.56	625.00	2850.00	sand	Cum	0.44	1420.00	624.80
				Crushed Aggr-40mm	Cum	0.52	1900.00	988.00
				Crushed Aggr-20mm	Cum	0.22	2000.00	440.00
				Crushed Aggr-10mm	Cum	0.11	1350.00	148.50
Sub-Total			3720.00					6841.30
Rate per Cum								10561.30
15 % Overhead								1584.20
Rate with overhead								12145.50

In (1:2:4) -One cum(super str,crushed agg) for Plain/Terai**DoLIDAR-41-B-a**

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	320.00	14.50	4640.00
Unskilled Labour	4.31	625.00	2693.75	sand	Cum	0.44	1420.00	624.80
				Crushed Aggr-40mm	Cum	0.52	1900.00	988.00
				Crushed Aggr-20mm	Cum	0.22	2000.00	440.00
				Crushed Aggr-10mm	Cum	0.11	1350.00	148.50
Sub-Total			3267.95					6841.30
Rate per Cum								10109.25
15 % Overhead								1516.39
Rate with overhead								11625.64

Rate Analysis for Contractor

Project Name:- Any

In (1:1.5:3) -One cum(super str,crushed agg)

DoLIDAR-41-B-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	400.00	14.50	5800.00
Unskilled Labour	4.62	625.00	2887.50	sand	Cum	0.42	1420.00	596.40
				Crushed Aggr-20mm	Cum	0.57	1900.00	1083.00
				Crushed Aggr-10mm	Cum	0.29	1350.00	391.50
Sub-Total			3757.50					7870.90
Rate per Cum								11628.40
15 % Overhead								1744.26
Rate with overhead								13372.66

In (1:1.5:3) -One cum(super str,crushed agg) for Plain/Terai

DoLIDAR-41-B-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	400.00	14.50	5800.00
Unskilled Labour	4.37	625.00	2731.25	sand	Cum	0.42	1420.00	596.40
				Crushed Aggr-20mm	Cum	0.57	1900.00	1083.00
				Crushed Aggr-10mm	Cum	0.29	1350.00	391.50
Sub-Total			3305.45					7870.90
Rate per Cum								11176.35
15 % Overhead								1676.45
Rate with overhead								12852.80

15.Plain Cement Concrete in foundation using natural river aggregate

DoLIDAR-41-A

In (1:3:6) -One cum(in fdn,natural agg)

DoLIDAR-41-A-a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	220.00	14.50	3190.00
Unskilled Labour	3.50	625.00	2187.50	sand	Cum	0.47	1420.00	667.40
				Natural Agg.-40mm	Cum	0.65	1100.00	715.00
				Natural Agg.-20mm	Cum	0.24	1500.00	360.00
Sub-Total			3057.50					4932.40
Rate per Cum								7989.90
15 % Overhead								1198.49
Rate with overhead								9188.39

In (1:3:6) -One cum(in fdn,natural agg) for Plain/Terai

DoLIDAR-41-A-a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	220.00	14.50	3190.00
Unskilled Labour	3.25	625.00	2031.25	sand	Cum	0.47	1420.00	667.40
				Natural Agg.-40mm	Cum	0.65	1100.00	715.00
				Natural Agg.-20mm	Cum	0.24	1500.00	360.00
Sub-Total			2605.45					4932.40
Rate per Cum								7537.85
15 % Overhead								1130.68
Rate with overhead								8668.53

In (1:2:4) -One cum(in fdn,natural agg)

DoLIDAR-41-A-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	320.00	14.50	4640.00
Unskilled Labour	3.56	625.00	2225.00	sand	Cum	0.44	1420.00	624.80
				Natural Agg.-40mm	Cum	0.52	1100.00	572.00
				Natural Agg.-20mm	Cum	0.22	1500.00	330.00
				Natural Agg.-10mm	Cum	0.11	1500.00	165.00
Sub-Total			3095.00					6331.80
Rate per Cum								9426.80
15 % Overhead								1414.02
Rate with overhead								10840.82

In (1:2:4) -One cum(in fdn,natural agg) for Plain/Terai

DoLIDAR-41-A-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	320.00	14.50	4640.00
Unskilled Labour	3.31	625.00	2068.75	sand	Cum	0.44	1420.00	624.80
				Natural Agg.-40mm	Cum	0.52	1100.00	572.00
				Natural Agg.-20mm	Cum	0.22	1500.00	330.00
				Natural Agg.-10mm	Cum	0.11	1500.00	165.00
Sub-Total			2642.95					6331.80
Rate per Cum								8974.75
15 % Overhead								1346.21
Rate with overhead								10320.96

Rate Analysis for Contractor

Project Name:- Any

16.Plain Cement Concrete in Super structure using natural river aggregate

DoLIDAR-41-B

In (1:2:4) -One cum(in super str,natural agg)

DoLIDAR-41-B-a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	320.00	14.50	4640.00
Unskilled Labour	4.56	625.00	2850	sand	Cum	0.44	1420.00	624.8
				Natural Agg.20-40mm	Cum	0.85	1100.00	935
Sub-Total			3720.00					6199.80
Rate per Cum								9919.80
15 % Overhead								1487.97
Rate with overhead								11407.77

In (1:2:4) -One cum(in super str,natural agg) for Plain/Terai

DoLIDAR-41-B-a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	320.00	14.50	4640.00
Unskilled Labour	4.31	625.00	2693.75	sand	Cum	0.44	1420.00	624.8
				Natural Agg.20-40mm	Cum	0.85	1100.00	935
Sub-Total			3267.95					6199.80
Rate per Cum								9467.75
15 % Overhead								1420.16
Rate with overhead								10887.91

In (1:1.5:3) -One cum(in super str,natural agg)

DoLIDAR-41-B-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	1.00	870.00	870.00	Cement	Kg	400.00	14.50	5800.00
Unskilled Labour	4.62	625.00	2887.50	sand	Cum	0.42	1420.00	596.40
				Natural Agg.10-20mm	Cum	0.86	1500.00	1290.00
Sub-Total			3757.50					7686.40
Rate per Cum								11443.90
15 % Overhead								1716.59
Rate with overhead								13160.49

In (1:1.5:3) -One cum(in super str,natural agg) for Plain/Terai

DoLIDAR-41-B-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.66	870.00	574.20	Cement	Kg	400.00	14.50	5800.00
Unskilled Labour	4.37	625.00	2731.25	sand	Cum	0.42	1420.00	596.40
				Natural Agg.10-20mm	Cum	0.86	1500.00	1290.00
Sub-Total			3305.45					7686.40
Rate per Cum								10991.85
15 % Overhead								1648.78
Rate with overhead								12640.63

17.Providing and placing plum concrete with 60% M 15/40 concrete and 40% boulders/stones

DoR-24.14.01b

a.Without using concrete mixer & vibrator

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.30	870.00	261.00	Stone	Cum	0.440	1265.00	556.60
Unskilled Labour	4.000	625.00	2500.00	Cement	Kg	185.00	14.50	2682.50
				sand	Cum	0.299	1420.00	424.58
				Natural Agg.5-40mm	Cum	0.527	1500.00	790.50
Sub-Total			2761.00					4454.18
Rate per Cum								7215.18
15 % Overhead								1082.28
Rate with overhead								8297.46

Providing and placing plum concrete with 60% M 15/40 concrete and 40% boulders/stones

DoR-24.14.01a

b.Using concrete mixer & vibrator

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.30	870.00	261.00	Stone	Cum	0.440	1265.00	556.60
Unskilled Labour	3.000	625.00	1875.00	Cement	Kg	169.00	14.50	2450.50
				sand	Cum	0.299	1420.00	424.58
				Natural Agg.5-40mm	Cum	0.573	1500.00	859.50
				Petrol	Lit	0.10	96.72	9.67
				Diesel	Lit	3.00	85.18	255.53
				Concrete mixer .28/20 cum capacity	Hr	0.50	500.00	250.00
				Vibrator	Hr	0.10	120.00	12.00
Sub-Total			2136.00					4818.38
Rate per Cum								6954.38
15 % Overhead								1043.16
Rate with overhead								7997.54

Rate Analysis for Contractor

Project Name:- Any

18)20mm thick Cement Plaster work

20 mm th-In (1:4) cement Mortar -One Sqm				DoR-25.06				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.14	870.00	121.80	Cement	Kg	8.000	14.50	116.00
Unskilled Labour	0.19	625.00	118.75	Sand	Cum	0.022	1420.00	31.24
Sub-Total			240.55					147.24
Rate per Sqm								387.79
15 % Overhead								58.17
Rate with overhead								445.96

20 mm th-In (1:6) cement Mortar -One Sqm				DoR-25.06				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.14	870.00	121.80	Cement	Kg	5.800	14.50	84.10
Unskilled Labour	0.19	625.00	118.75	Sand	Cum	0.0232	1420.00	32.94
Sub-Total			240.55					117.04
Rate per Sqm								357.59
15 % Overhead								53.64
Rate with overhead								411.23

19)12.5 mm thick Cement Plaster work

12.5 mm th-In (1:3) cement Mortar -One Sqm				DoLIDAR-37-B-b				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.150	870.00	130.50	Cement	Kg	4.630	14.50	67.14
Unskilled Labour	0.135	625.00	84.38	Sand	Cum	0.0138	1420.00	19.60
Sub-Total			214.88					86.74
Rate per Sqm								301.62
15 % Overhead								45.24
Rate with overhead								346.86

12.5 mm th-In (1:3) cement Mortar -One Sqm for Plain/Terai				DoLIDAR-37-B-b				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.120	870.00	104.40	Cement	Kg	4.630	14.50	67.14
Unskilled Labour	0.115	625.00	71.88	Sand	Cum	0.0138	1420.00	19.60
Sub-Total			176.28					86.74
Rate per Sqm								263.02
15 % Overhead								39.45
Rate with overhead								302.47

12.5 mm th-In (1:4) cement Mortar -One Sqm				DoLIDAR-37-B-c				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.150	870.00	130.50	Cement	Kg	3.630	14.50	52.64
Unskilled Labour	0.136	625.00	84.94	Sand	Cum	0.0146	1420.00	20.73
Sub-Total			215.44					73.37
Rate per Sqm								288.81
15 % Overhead								43.32
Rate with overhead								332.13

12.5 mm th-In (1:4) cement Mortar -One Sqm for Plain/Terai				DoLIDAR-37-B-c				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.120	870.00	104.40	Cement	Kg	3.630	14.50	52.64
Unskilled Labour	0.116	625.00	72.44	Sand	Cum	0.0146	1420.00	20.73
Sub-Total			176.84					73.37
Rate per Sqm								250.21
15 % Overhead								37.53
Rate with overhead								287.74

12.5 mm th-In (1:6) cement Mortar -One Sqm				DoLIDAR-37-B-d				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.150	870.00	130.50	Cement	Kg	2.880	14.50	41.76
Unskilled Labour	0.137	625.00	85.63	Sand	Cum	0.0158	1420.00	22.44
Sub-Total			216.13					64.20
Rate per Sqm								280.33
15 % Overhead								42.05
Rate with overhead								322.38

Rate Analysis for Contractor

Project Name:- Any

12.5 mm th-In (1:6) cement Mortar -One Sqm for Plain/Terai

DoLIDAR-37-B-d

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.120	870.00	104.40	Cement	Kg	2.880	14.50	41.76
Unskilled Labour	0.117	625.00	73.13	Sand	Cum	0.0158	1420.00	22.44
Sub-Total			177.53					64.20
Rate per Sqm								241.73
15 % Overhead								36.26
Rate with overhead								277.99

Pointing Works -One Sqm

DoLIDAR-37-C

20.Flush Pointing(1:3)-One Sqm

DoLIDAR-37-C-c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.0800	870.00	69.60	Cement	Kg	0.9600	14.50	13.92
Unskilled Labour	0.0888	625.00	55.50	Sand	Cum	0.0029	1420.00	4.12
Sub-Total			125.10					18.04
Rate per Sqm								143.14
15 % Overhead								21.47
Rate with overhead								164.61

20.Flush Pointing(1:3)-One Sqm for Plain/Terai

DoLIDAR-37-C-c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.0600	870.00	52.20	Cement	Kg	0.9600	14.50	13.92
Unskilled Labour	0.0688	625.00	43.00	Sand	Cum	0.0029	1420.00	4.12
Sub-Total			95.20					18.04
Rate per Sqm								113.24
15 % Overhead								16.99
Rate with overhead								130.23

21.Ruled Pointing (1:3) cement Mortar -One Sqm

DoLIDAR-37-E

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.160	870.00	139.20	Cement	Kg	0.9600	14.50	13.92
Unskilled Labour	0.178	625.00	111.00	Sand	Cum	0.0029	1420.00	4.12
Sub-Total			250.20					18.04
Rate per Sqm								268.24
15 % Overhead								40.24
Rate with overhead								308.48

21.Ruled Pointing (1:3) cement Mortar -One Sqm for Plain/Terai

DoLIDAR-37-E

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.120	870.00	104.40	Cement	Kg	0.9600	14.50	13.92
Unskilled Labour	0.138	625.00	86.00	Sand	Cum	0.0029	1420.00	4.12
Sub-Total			190.40					18.04
Rate per Sqm								208.44
15 % Overhead								31.27
Rate with overhead								239.71

Formwork**22. Localwood formwork-One sqm****a. Formwork for beam and slab for height 4 to8 m-One sqm**

DoLIDAR-39-a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.150	870.00	130.50	Local wood/6	Cum	0.0208	44452.80	926.10
Unskilled Labour	0.200	625.00	125.00	Nails	Kg	0.3500	90.00	31.50
				Scrap Value 25%				-231.53
Sub-Total			255.50					726.07
Rate per Sqm								981.57
15 % Overhead								147.24
Rate with overhead								1128.81

a. Formwork for beam and slab for height 4 to8 m-One sqm for Plain/Terai

DoLIDAR-39-a

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.125	870.00	108.75	Local wood/6	Cum	0.0208	44452.80	926.10
Unskilled Labour	0.175	625.00	109.38	Nails	Kg	0.3500	90.00	31.50
				Scrap Value 25%				-231.53
Sub-Total			218.13					726.07
Rate per Sqm								944.20
15 % Overhead								141.63
Rate with overhead								1085.83

Rate Analysis for Contractor

Project Name:- Any

b. Formwork for walls & vertical structures for height not exceeding 4 m-One sqm

DoLIDAR-39-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.075	870.00	65.25	Local wood/6	Cum	0.0167	44452.80	740.88
Unskilled Labour	0.150	625.00	93.75	Nails	Kg	0.3500	90.00	31.50
				Scrap Value 25%				-185.22
Sub-Total			159.00					587.16
Rate per Sqm								746.16
15 % Overhead								111.92
Rate with overhead								858.08

b. Formwork for walls & vertical structures for height not exceeding 4 m-One sqm for Plain/Terai

DoLIDAR-39-b

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.050	870.00	43.50	Local wood/6	Cum	0.0167	44452.80	740.88
Unskilled Labour	0.125	625.00	78.13	Nails	Kg	0.3500	90.00	31.50
				Scrap Value 25%				-185.22
Sub-Total			121.63					587.16
Rate per Sqm								708.79
15 % Overhead								106.32
Rate with overhead								815.11

c. 12mm thick Waterproof Plywood formwork-One sqm

DoR-1805-c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.25	870.00	217.50	Waterproof Plywood/6	sqm	0.18	860.80	157.81
Unskilled Labour	0.30	625.00	187.50	Nails	Cum	0.30	90.00	27.00
				Local wood for rafters	Cum	0.002	44452.80	74.09
				Local wood for batten	Cum	0.0028	44452.80	122.25
Sub-Total			405.00					381.15
Rate per Sqm								786.15
15 % Overhead								117.92
Rate with overhead								904.07

c. 19mm thick Waterproof Plywood formwork-One sqm

DoR-1805-c

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.25	870.00	217.50	Waterproof Plywood/6	sqm	0.18	1345.00	246.58
Unskilled Labour	0.30	625.00	187.50	Nails	Cum	0.30	90.00	27.00
				Local wood for rafters	Cum	0.002	44452.80	74.09
				Local wood for batten	Cum	0.0028	44452.80	122.25
Sub-Total			405.00					469.92
Rate per Sqm								874.92
15 % Overhead								131.24
Rate with overhead								1006.16

Steel Works**23.Reinforcement for RCC Work-One Kg**

Rev.DoLIDAR-40

a. 4.75,7 and 8 mm dia

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.007	870.00	6.09	Steel	Kg	1.05	81.00	85.05
Unskilled Labour	0.007	625.00	4.38	Anneled Wire	Kg	0.01	93.00	0.93
Sub-Total			10.47					85.98
Rate per Kg								96.45
15 % Overhead								14.47
Rate with overhead								110.92

b. 10-25 mm diameter

DoLIDAR-40

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.007	870.00	6.09	Steel	Kg	1.05	80.00	84.00
Unskilled Labour	0.007	625.00	4.38	Anneled Wire	Kg	0.01	93.00	0.93
Sub-Total			10.47					84.93
Rate per Kg								95.40
15 % Overhead								14.31
Rate with overhead								109.71

c. Above 25 mm diameter

DoLIDAR-40

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.007	870.00	6.09	Steel	Kg	1.05	83.00	87.15
Unskilled Labour	0.007	625.00	4.38	Anneled Wire	Kg	0.01	93.00	0.93
Sub-Total			10.47					88.08
Rate per Kg								98.55
15 % Overhead								14.78
Rate with overhead								113.33

Rate Analysis for Contractor

Project Name:- Any

Gabion Works

Medium Coated

32.Fabrication of Gabion Boxes Medium Zinc Coater GI Wire Hexagonal Mesh 100x120 Including rolling, cutting, weaving, assembling, placing in position stretching, packing with stone and binding all complete

a. Box Size-2x1x1

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.39	870.00	339.30	Mesh Wire-10SWG	Kg	23.43	88.00	2061.84
Unskilled Labour	0.20	625.00	125.00	Selvage Wire-8 SWG	Kg	2.40	91.00	218.40
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.95	87.00	82.65
Stone Packing -[45]								
Skilled labour	0.60	870.00	522.00	Stone	Cum	2.20	1265.00	2783.00
Unskilled Labour	1.50	625.00	937.50					
Sub-Total			1980.05					5145.89
Rate per Box								7125.94
15 % Overhead								1068.89
Rate with overhead								8194.83

b. Box Size-3x1x1

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.57	870.00	495.90	Mesh Wire-10SWG	Kg	34.08	88.00	2999.04
Unskilled Labour	0.28	625.00	175.00	Selvage Wire-8 SWG	Kg	3.36	91.00	305.76
Assembling- [44.2-i]								
Unskilled Labour	0.13	625.00	81.25	Binding wire-12SWG	Kg	1.30	87.00	113.10
Stone Packing -[45]								
Skilled labour	0.90	870.00	783.00	Stone	Cum	3.30	1265.00	4174.50
Unskilled Labour	2.25	625.00	1406.25					
Sub-Total			2941.40					7592.40
Rate per Box								10533.80
15 % Overhead								1580.07
Rate with overhead								12113.87

c. Box Size-1.5x1x1 (As 9sqm=3x1x0.3)

DoR24.01.02 DoLIDAR44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.39	870.00	339.30	Mesh Wire-10SWG	Kg	19.75	88.00	1738.00
Unskilled Labour	0.20	625.00	125.00	Selvage Wire-8 SWG	Kg	2.40	91.00	218.40
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.95	87.00	82.65
Stone Packing -[45]								
Skilled labour	0.45	870.00	391.50	Stone	Cum	1.65	1265.00	2087.25
Unskilled Labour	1.13	625.00	703.13					
Sub-Total			1615.18					4126.30
Rate per Box								5741.48
15 % Overhead								861.22
Rate with overhead								6602.70

d. Box Size-2x1x0.5

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.27	870.00	234.90	Mesh Wire-10SWG	Kg	15.97	88.00	1405.36
Unskilled Labour	0.13	625.00	81.25	Selvage Wire-8 SWG	Kg	2.04	91.00	185.64
Assembling- [44.2-i]								
Unskilled Labour	0.07	625.00	43.75	Binding wire-12SWG	Kg	0.70	87.00	60.90
Stone Packing -[45]								
Skilled labour	0.30	870.00	261.00	Stone	Cum	1.10	1265.00	1391.50
Unskilled Labour	0.75	625.00	468.75					
Sub-Total			1089.65					3043.40
Rate per Box								4133.05
15 % Overhead								619.96
Rate with overhead								4753.01

Rate Analysis for Contractor

Project Name:- Any

e. Box Size-3x1x0.5

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.39	870.00	339.30	Mesh Wire-10SWG	Kg	23.43	88.00	2061.84
Unskilled Labour	0.20	625.00	125.00	Selvage Wire-8 SWG	Kg	2.88	91.00	262.08
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.95	87.00	82.65
Stone Packing -[45]								
Skilled labour	0.45	870.00	391.50	Stone	Cum	1.65	1265.00	2087.25
Unskilled Labour	1.13	625.00	703.13					
Sub-Total			1615.18					4493.82
Rate per Box								6109.00
15 % Overhead								916.35
Rate with overhead								7025.35

f. Box Size-2x1x0.3

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.22	870.00	191.40	Mesh Wire-10SWG	Kg	13.00	88.00	1144.00
Unskilled Labour	0.11	625.00	68.75	Selvage Wire-8 SWG	Kg	1.90	91.00	172.90
Assembling- [44.2-i]								
Unskilled Labour	0.06	625.00	37.50	Binding wire-12SWG	Kg	0.65	87.00	56.55
Stone Packing -[45]								
Skilled labour	0.18	870.00	156.60	Stone	Cum	0.66	1265.00	834.90
Unskilled Labour	0.05	625.00	28.13					
Sub-Total			482.38					2208.35
Rate per Box								2690.73
15 % Overhead								403.61
Rate with overhead								3094.34

g. Box Size-3x1x0.3

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.32	870.00	278.40	Mesh Wire-10SWG	Kg	19.17	88.00	1686.96
Unskilled Labour	0.16	625.00	100.00	Selvage Wire-8 SWG	Kg	2.69	91.00	244.79
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.90	87.00	78.30
Stone Packing -[45]								
Skilled labour	0.27	870.00	234.90	Stone	Cum	0.99	1265.00	1252.35
Unskilled Labour	0.68	625.00	421.88					
Sub-Total			1091.43					3262.40
Rate per Box								4353.83
15 % Overhead								653.07
Rate with overhead								5006.90

Heavy Coated

33.Fabrication of Gabion Boxes Heavy Zinc Coater GI Wire Hexagonal Mesh 100x120 Including rolling, cutting, weaving, assembling, placing in position stretching, packing with stone and binding all complete

a. Box Size-2x1x1

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.39	870.00	339.30	Mesh Wire-10SWG	Kg	23.43	100.00	2343.00
Unskilled Labour	0.20	625.00	125.00	Selvage Wire-8 SWG	Kg	2.40	100.00	240.00
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.95	90.00	85.50
Stone Packing -[45]								
Skilled labour	0.60	870.00	522.00	Stone	Cum	2.20	1265.00	2783.00
Unskilled Labour	1.50	625.00	937.50					
Sub-Total			1980.05					5451.50
Rate per Box								7431.55
15 % Overhead								1114.73
Rate with overhead								8546.28

b. Box Size-3x1x1

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.57	870.00	495.90	Mesh Wire-10SWG	Kg	34.08	100.00	3408.00
Unskilled Labour	0.28	625.00	175.00	Selvage Wire-8 SWG	Kg	3.36	100.00	336.00
Assembling- [44.2-i]								
Unskilled Labour	0.13	625.00	81.25	Binding wire-12SWG	Kg	1.30	90.00	117.00
Stone Packing -[45]								
Skilled labour	0.90	870.00	783.00	Stone	Cum	3.30	1265.00	4174.50
Unskilled Labour	2.25	625.00	1406.25					
Sub-Total			2941.40					8035.50
Rate per Box								10976.90
15 % Overhead								1646.54
Rate with overhead								12623.44

Rate Analysis for Contractor

Project Name:- Any

c. Box Size-1.5x1x1

DoR24.01.02 DoLIDAR44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.39	870.00	339.30	Mesh Wire-10SWG	Kg	19.75	100.00	1975.00
Unskilled Labour	0.20	625.00	125.00	Selvage Wire-8 SWG	Kg	2.40	100.00	240.00
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.95	90.00	85.50
Stone Packing -[45]								
Skilled labour	0.45	870.00	391.50	Stone	Cum	1.65	1265.00	2087.25
Unskilled Labour	1.13	625.00	703.13					
Sub-Total			1615.18					4387.75
Rate per Box								6002.93
15 % Overhead								900.44
Rate with overhead								6903.37

d. Box Size-2x1x0.5

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.27	870.00	234.90	Mesh Wire-10SWG	Kg	15.97	100.00	1597.00
Unskilled Labour	0.13	625.00	81.25	Selvage Wire-8 SWG	Kg	2.04	100.00	204.00
Assembling- [44.2-i]								
Unskilled Labour	0.07	625.00	43.75	Binding wire-12SWG	Kg	0.70	90.00	63.00
Stone Packing -[45]								
Skilled labour	0.30	870.00	261.00	Stone	Cum	1.10	1265.00	1391.50
Unskilled Labour	0.75	625.00	468.75					
Sub-Total			1089.65					3255.50
Rate per Box								4345.15
15 % Overhead								651.77
Rate with overhead								4996.92

e. Box Size-3x1x0.5

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.39	870.00	339.30	Mesh Wire-10SWG	Kg	23.43	100.00	2343.00
Unskilled Labour	0.20	625.00	125.00	Selvage Wire-8 SWG	Kg	2.88	100.00	288.00
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.95	90.00	85.50
Stone Packing -[45]								
Skilled labour	0.45	870.00	391.50	Stone	Cum	1.65	1265.00	2087.25
Unskilled Labour	1.13	625.00	703.13					
Sub-Total			1615.18					4803.75
Rate per Box								6418.93
15 % Overhead								962.84
Rate with overhead								7381.77

f. Box Size-2x1x0.3

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.22	870.00	191.40	Mesh Wire-10SWG	Kg	13.00	100.00	1300.00
Unskilled Labour	0.11	625.00	68.75	Selvage Wire-8 SWG	Kg	1.90	100.00	190.00
Assembling- [44.2-i]								
Unskilled Labour	0.06	625.00	37.50	Binding wire-12SWG	Kg	0.65	90.00	58.50
Stone Packing -[45]								
Skilled labour	0.18	870.00	156.60	Stone	Cum	0.66	1265.00	834.90
Unskilled Labour	0.05	625.00	28.13					
Sub-Total			482.38					2383.40
Rate per Box								2865.78
15 % Overhead								429.87
Rate with overhead								3295.65

g. Box Size-3x1x0.3

DoLIDAR 44-1-Bii/44-2-i/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Mesh Weaving- [44.1-Bii]								
Skilled labour	0.32	870.00	278.40	Mesh Wire-10SWG	Kg	19.17	100.00	1917.00
Unskilled Labour	0.16	625.00	100.00	Selvage Wire-8 SWG	Kg	2.69	100.00	269.00
Assembling- [44.2-i]								
Unskilled Labour	0.09	625.00	56.25	Binding wire-12SWG	Kg	0.90	90.00	81.00
Stone Packing -[45]								
Skilled labour	0.27	870.00	234.90	Stone	Cum	0.99	1265.00	1252.35
Unskilled Labour	0.68	625.00	421.88					
Sub-Total			1091.43					3519.35
Rate per Box								4610.78
15 % Overhead								691.62
Rate with overhead								5302.40

Rate Analysis for Contractor

Project Name:- Any

34. Machine made Gabion Boxes Heavy Zinc Coated GI Wire Hexagonal Mesh 100x120 Including assembling, placing in position stretching, packing with stone and binding all complete

a. Box Size-2x1x1				DoLIDAR 44-1-Bii/44-2-i/45				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Assembling- [44.2-i]				Machine made mesh	sqm	11.00	285.00	3135.00
Unskilled Labour	0.09	625.00	56.25	Binding wire-12swg	Kg	0.95	90.00	85.50
Stone Packing -[45]								
Skilled labour	0.60	870.00	522.00	Stone	Cum	2.20	1265.00	2783.00
Unskilled Labour	1.50	625.00	937.50					
Sub-Total			1515.75					6003.50
Rate per Box								7519.25
15 % Overhead								1127.89
Rate with overhead								8647.14

b. Box Size-2x1x.50				DoLIDAR 44-1-Bii/44-2-i/45				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Assembling- [44.2-i]				Machine made mesh	sqm	7.50	285.00	2137.50
Unskilled Labour	0.07	625.00	43.75	Binding wire-12swg	Kg	0.70	90.00	63.00
Stone Packing -[45]								
Skilled labour	0.30	870.00	261.00	Stone	Cum	1.10	1265.00	1391.50
Unskilled Labour	0.75	625.00	468.75					
Sub-Total			773.50					3592.00
Rate per Box								4365.50
15 % Overhead								654.83
Rate with overhead								5020.33

c. Box Size-2x1x.30				DoLIDAR 44-1-Bii/44-2-i/45				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Assembling- [44.2-i]				Machine made mesh	sqm	6.10	285.00	1738.50
Unskilled Labour	0.06	625.00	37.50	Binding wire-12swg	Kg	0.65	90.00	58.50
Stone Packing -[45]								
Skilled labour	0.18	870.00	156.60	Stone	Cum	0.66	1265.00	834.90
Unskilled Labour	0.45	625.00	281.25					
Sub-Total			475.35					2631.90
Rate per Box								3107.25
15 % Overhead								466.09
Rate with overhead								3573.34

d. Box Size-3x1x1				DoLIDAR 44-1-Bii/44-2-i/45				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Assembling- [44.2-i]				Machine made mesh	sqm	16.00	285.00	4560.00
Unskilled Labour	0.09	625.00	56.25	Binding wire-12swg	Kg	1.30	90.00	117.00
Stone Packing -[45]								
Skilled labour	0.90	870.00	783.00	Stone	Cum	3.30	1265.00	4174.50
Unskilled Labour	2.25	625.00	1406.25					
Sub-Total			2245.50					8851.50
Rate per Box								11097.00
15 % Overhead								1664.55
Rate with overhead								12761.55

e. Box Size-3x1x.50				DoLIDAR 44-1-Bii/44-2-i/45				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Assembling- [44.2-i]				Machine made mesh	sqm	11.00	285.00	3135.00
Unskilled Labour	0.09	625.00	56.25	Binding wire-12swg	Kg	0.95	90.00	85.50
Stone Packing -[45]								
Skilled labour	0.45	870.00	391.50	Stone	Cum	1.65	1265.00	2087.25
Unskilled Labour	1.13	625.00	703.13					
Sub-Total			1150.88					5307.75
Rate per Box								6458.63
15 % Overhead								968.79
Rate with overhead								7427.42

f. Box Size-3x1x.30				DoLIDAR 44-1-Bii/44-2-i/45				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Assembling- [44.2-i]				Machine made mesh	sqm	9.00	285.00	2565.00
Unskilled Labour	0.09	625.00	56.25	Binding wire-12swg	Kg	0.90	90.00	81.00
Stone Packing -[45]								
Skilled labour	0.27	870.00	234.90	Stone	Cum	0.99	1265.00	1252.35
Unskilled Labour	0.68	625.00	421.88					
Sub-Total			713.03					3898.35
Rate per Box								4611.38
15 % Overhead								691.71
Rate with overhead								5303.09

Rate Analysis for Contractor

Project Name:- Any

g. Box Size-1.5x1x1

DoLIDAR 44-1-Bii/44-2-ii/45

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Assembling- [44.2-i]				Machine made mesh	sqm	9.00	285.00	2565.00
Unskilled Labour	0.09	625.00	56.25	Binding wire-12swg	Kg	0.95	90.00	85.50
Stone Packing -[45]								
Skilled labour	0.45	870.00	391.50	Stone	Cum	1.65	1265.00	2087.25
Unskilled Labour	1.13	625.00	703.13					
Sub-Total			1150.88					4737.75
Rate per Box								5888.63
15 % Overhead								883.29
Rate with overhead								6771.92

Hume pipe culvert work

35.Preparation of granular bedding for pipe with granular material-One Cum DoLIDAR-46

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Granular material	Cum	1.10	1050.00	1155.00
Unskilled Labour	1.00	625.00	625.00	Water	Cum	0.10	0.13	0.01
Sub-Total			625.00					1155.01
Rate per Cum								1780.01
15 % Overhead								267.00
Rate with overhead								2047.01

37.Laying, Fitting, fixing of Hume pipe-one meter(RCC-NP3)

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.02	870.00	17.40	NP3 pipe-600 mm dia	meter	1.00	3150.00	3150.00
Unskilled Labour	0.10	625.00	62.50	Cement	Kg	1.00	14.50	14.50
				jute	Kg	1.00	105.00	105.00
Sub-Total			79.90					3269.50
Rate per m								3349.40
15 % Overhead								502.41
Rate with overhead								3851.81

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.02	870.00	17.40	NP3 pipe-600 mm dia	meter	1.00	4620.00	4620.00
Unskilled Labour	0.10	625.00	62.50	Cement	Kg	1.00	14.50	14.50
				jute	Kg	1.00	105.00	105.00
Sub-Total			79.90					4739.50
Rate per m								4819.40
15 % Overhead								722.91
Rate with overhead								5542.31

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.05	870.00	43.50	NP3 pipe-600 mm dia	meter	1.00	6405.00	6405.00
Unskilled Labour	0.20	625.00	125.00	Cement	Kg	3.00	14.50	43.50
				jute	Kg	2.50	105.00	262.50
Sub-Total			168.50					6711.00
Rate per m								6879.50
15 % Overhead								1031.93
Rate with overhead								7911.43

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.10	870.00	87.00	NP3 pipe-750 mm dia	meter	1.00	9450.00	9450.00
Unskilled Labour	0.30	625.00	187.50	Cement	Kg	4.00	14.50	58.00
				jute	Kg	3.00	105.00	315.00
Sub-Total			274.50					9823.00
Rate per m								10097.50
15 % Overhead								1514.63
Rate with overhead								11612.13

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.15	870.00	130.50	NP3 pipe-900 mm dia	meter	1.00	12075.00	12075.00
Unskilled Labour	0.50	625.00	312.50	Cement	Kg	6.00	14.50	87.00
				jute	Kg	4.00	105.00	420.00
Sub-Total			443.00					12582.00
Rate per m								13025.00
15 % Overhead								1953.75
Rate with overhead								14978.75

Rate Analysis for Contractor

Project Name:- Any

1200 mm dia				DoLIDAR-47				
Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	0.25	870.00	217.50	NP3 pipe-900 mm dia	meter	1.00	15750.00	15750.00
Unskilled Labour	1.00	625.00	625.00	Cement	Kg	10.00	14.50	145.00
				jute	Kg	6.00	105.00	630.00
Sub-Total			842.50					16525.00
Rate per m								17367.50
15 % Overhead								2605.13
Rate with overhead								19972.63

Rate Analysis for Contractor

Project Name:- Any

Dismantling of Structures

38. Brick Masonry-One cum DoLIDAR-3

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Unskilled Labour	1.50	625.00	937.50	Tools and Plants			3.00%	28.13
Sub-Total			937.50					28.13
Rate per Cum								965.63
15 % Overhead								144.84
Rate with overhead								1110.47

39. Stone masonry work- One Cum DoLIDAR-3

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Unskilled Labour	2.00	625.00	1250.00	Tools and Plants			3.00%	37.50
Sub-Total			1250.00					37.50
Rate per Cum								1287.50
15 % Overhead								193.13
Rate with overhead								1480.63

40. Concrete- One Cum DoLIDAR-3

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Unskilled Labour	3.00	625.00	1875.00	Tools and Plants			3.00%	56.25
Sub-Total			1875.00					56.25
Rate per Cum								1931.25
15 % Overhead								289.69
Rate with overhead								2220.94

41. Concrete and flexible pavement work- One Cum DoLIDAR-3

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	2.00	870.00	1740.00					
Unskilled Labour	4.00	625.00	2500.00	Tools and Plants			3.00%	75.00
Sub-Total			4240.00					75.00
Rate per Cum								4315.00
15 % Overhead								647.25
Rate with overhead								4962.25

Rate Analysis for Contractor

Project Name:- Any

Providing, jointing and laying LDP pipes with or without collar etc. complete in place as per specification.

a) 110 mm / 125 mm outer diameter

unit 50 rm

DoR-7.01

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour	3.000	870.00	2610.00	HDP pipe	m	50.000	140.00	7000.00
Unskilled Labour	3.000	625.00	1875.00	Petrol	ltr	0.500	96.72	48.36
Sub-Total			4485.00					7048.36
Rate per 50 rm								11533.36
15 % Overhead								1730.00
Rate with overhead								13263.36
Rate per m with overhead								265.27

Providing and installing of 50mm G.I. Pipe railing as per drawings all complete

a) 110 mm / 125 mm outer diameter

unit 1 rm

DoR-31.01

Labour				Material and Equipment				
Category	MD	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled labour		870.00		Pipe	mtr	1.000	581.00	581.00
Unskilled Labour		625.00		Socket	No	0.167	268.00	44.67
Sub-Total								625.67
Additional 3% for the cost of pipe for necessary labour,materials, equipment and other consumables								18.77
Rate per rm								644.44
15 % Overhead								96.67
Rate with overhead								741.11

Approved District Rate of Labour and Construction Materials

F.Y.075/76

Project Name:- Any

SN	Description	Unit	Approved Rate	District Rate without VAT	District Rate with VAT	Transportation Cost by truck	Unit Rate for Users (G+F)	Unit Rate for Contractor (G+E)
A	Labour						Rate=col.D	Rate=col.D
1	Mason/Skill labour	MD	870.00				870.00	870.00
2	Unskill Labour	MD	625.00				625.00	625.00
3	Plumber	MD	870.00				870.00	870.00
4	Carpenter	MD	870.00				870.00	870.00
5	Helper	MD	625.00				625.00	625.00
B	Equipments						Rate=col.F	Rate=col.D
1	Mini Truck 3-5 Ton	Hour	300.00		339.00		339.00	300.00
2	Truck/tripper-8 ton	Hour	450.00		508.50		508.50	450.00
3	Static Roller	Hour	500.00		565.00		565.00	500.00
4	Vibrating Roller	Hour	900.00		1017.00		1017.00	900.00
5	Pneumatic Wheel Roller	Hour	1000.00		1130.00		1130.00	1000.00
6	Bitumen distributor	Hour	1300.00		1469.00		1469.00	1300.00
7	Bitumen Boiler	Hour	180.00		203.40		203.40	180.00
8	Bitumen Sprayer	hour	260.00		293.80		293.80	260.00
9	Grader	Hour	1600.00		1808.00		1808.00	1600.00
10	Loader	Hour	1200.00		1356.00		1356.00	1200.00
11	Water Tanker	Hour	550.00		621.50		621.50	550.00
12	Air compressor	Hour	250.00		282.50		282.50	250.00
13	Chips Spreader	Hour	300.00		339.00		339.00	300.00
14	Excavator PC-200	Hour	1800.00		2034.00		2034.00	1800.00
15	Excavator + Breaker PC-220	Hour	2100.00		2373.00		2373.00	2100.00
C	Local Material						Col.(D+G)	Col.(D+G)
	Royaltee for gravel and stone	cum					105.84	105.84
1	Stone from quarry	Cum	1265.00				1265.00	1265.00
	Stone (round) from river	cum	1000.00				1000.00	1000.00
2	Sand/River Spall/Chokar(Kholako chaleko)	Cum	1050.00				1050.00	1050.00
	Sand (Machine washed)	Cum	1420.00				1420.00	1420.00
3	1st claas brick including transportation	No	14.00				14.00	14.00
	2nd claas brick including transportation	No	12.00				12.00	12.00
	M.M.Chinese brick including transportation	No	16.50				16.50	16.50
4	Crushed Aggregate 5-10mm	Cum	1350.00				1350.00	1350.00
	Crushed Aggregate 10-20 mm	Cum	2000.00				2000.00	2000.00
	Crushed Aggregate 20-40 mm	Cum	1900.00				1900.00	1900.00
5	Base aggregate 40mm down	Cum	1900.00				1900.00	1900.00
6	Natural river Aggregate 5-10 mm	Cum	1500.00				1500.00	1500.00
	Natural river Aggregate 10-20 mm	Cum	1500.00				1500.00	1500.00
	Natural river Aggregate 20-40 mm	Cum	1100.00				1100.00	1100.00
	10mm down silicon/ Chips	Cum	1350.00				1350.00	1350.00

Project Name:- Any

SN	Description	Unit	Approved Rate	District Rate without VAT	District Rate with VAT	Transportation Cost by truck	Unit Rate for Users (G+F)	Unit Rate for Contractor (G+E)
	Natural River/Screened gravel	Cum	1050.00				1050.00	1050.00
	RBM	Cum	1050.00				1050.00	1050.00
7	Bamboo	Pc	330.00				330.00	330.00
8	Sal Wood	Cum	148176.00				148176.00	148176.00
	Sisam Wood	Cum	74088.00				74088.00	74088.00
	Local Wood	Cum	44452.80				44452.80	44452.80
9	Laterite/Red Soil/fill material including 5 mkm transportation	Cum	55.23			326.63	55.23	55.23
10	Mud including 5 km transportation	Cum	450.00				450.00	450.00
11	Water	Cum	0.13				0.13	0.13
12	Crusher Dust	Cum	900.00				900.00	900.00
13	Fire wood	Kg	11.00				11.00	11.00
14								
D	Foreign Materials						Col.(F+G)	Col.(E+G)
1	Cement PPC	Kg		14.50	16.39		16.39	14.50
	Cement OPC	Kg		16.20	18.31		18.31	16.20
3	Reinforcement Steel							
	Tor Kari 4.75-8 mm dia	Kg		81.00	91.53		91.53	81.00
	10-25mm dia	Kg		80.00	90.40		90.40	80.00
	Above 25 mm dia	Kg		83.00	93.79		93.79	83.00
4	Annealed wire (Binding Wire)	Kg		93.00	105.09		105.09	93.00
	Chicken wire mesh 90 cm wide	rm		52.48	59.30		59.30	52.48
	Barbed wire	Kg		93.00	105.09		105.09	93.00
5	MS Angle	Kg		75.00	84.75		84.75	75.00
6	Gabion wire Medium Zinc Coated							
	8 SWG	Kg		88.00	99.44		99.44	88.00
	10 SWG	Kg		91.00	102.83		102.83	91.00
	12 SWG	Kg		87.00	98.31		98.31	87.00
7	Gabion wire Heavy Zinc Coated							
	8 SWG	Kg		100.00	113.00		113.00	100.00
	10 SWG	Kg		100.00	113.00		113.00	100.00
	12 SWG	Kg		90.00	101.70		101.70	90.00
8	Heavy zinc coated machine made Mesh	sqm		285.00	322.05		322.05	285.00
9	Nail	Kg		90.00	101.70		101.70	90.00
10	Waterproof plywood 12 mm	Sqm		860.80	972.70		972.70	860.80
11	Waterproof plywood 19 mm	Sqm		1345.00	1519.85		1519.85	1345.00
12	Diesel	Lit		85.18	96.25		96.25	85.18
13	Petrol	Lit		96.72	109.29		109.29	96.72
14	Kerosin oil	Lit		67.26	76.00		76.00	67.26
15	Bitumen 80/100	Kg		70.00	79.10		79.10	70.00
16	GI Pipe -50 mm dia(Medium duty)	meter		581.00	656.53		656.53	581.00

Project Name:- Any

SN	Description	Unit	Approved Rate	District Rate without VAT	District Rate with VAT	Transportation Cost by truck	Unit Rate for Users (G+F)	Unit Rate for Contractor (G+E)
17	GI Socket -50 mm dia(Medium duty)	No		268.00	302.84		302.84	268.00
18	HDPE pipe 110 mm dia(4") 6kg/cm2	meter		636.25	718.96		718.96	636.25
19	jute Rope	Kg		105.00	118.65		118.65	105.00
20	Geo-Textile	sqm		100.00	113.00		113.00	100.00
21	NP-3 Hume pipe-300mm dia	meter		3150.00	3559.50		3559.50	3150.00
	NP-3 Hume pipe-450mm dia	meter		4620.00	5220.60		5220.60	4620.00
	NP-3 Hume pipe-600mm dia	meter		6405.00	7237.65		7237.65	6405.00
	NP-3 Hume pipe-750mm dia	meter		9450.00	10678.50		10678.50	9450.00
	NP-3 Hume pipe-900mm dia	meter		12075.00	13644.75		13644.75	12075.00
	NP-3 Hume pipe-1200mm dia	meter		15750.00	17797.50		17797.50	15750.00
22	Excavation through excavator						Rate=col.E	Rate=col.E
	Ordinary Soil (OS)	cum		55.23			55.23	55.23
	Hard Soil (HS)	cum		184.10			184.10	184.10
	Ordinary Rock (OR)	cum		184.10			184.10	184.10
	Medium Rock (MR)	cum		368.20			368.20	368.20
	Hard Rock (HR)	cum		368.20			368.20	368.20
23	LDP pie	kg					Col.(F+G)	Col.(E+G)
	63 mm	rm						
	90 mm	rm						
	110 mm	rm		140.00	158.20		158.20	140.00

Transportation rate of construction materials by 8 MT truck including loading and unloading

Name of the Project :- Any

VDC:- Any

Truck Rate	NRs	450.0
Diesel (With VAT)	NRs	96.25
Unskill Labor Rate	NRs	625.0
Skill labor rate	NRs	870.0

(DOR norms 8.04)

S.N.	Description of Materials	Unit	Types of Road	Speed Km/hr	Lead Distance Km	Travel time for truck			Fuel nxT liter		Labours MD		Rate Per Unit	Market Quarry Name
						$T=2x(d_1/v_1 + d_2/v_2 + d_3/v_3)$	Truck	Amount	Liter	Amount	MD	Amount		
1	Excavated Soil	Cum	Earthen	10	1	0.10	0.1275	57.38	0.20	19.25	0.40	250.00	326.63	on site
			Gravel	20										
			Bituminous	40										
2	Sand, Surkhi, Stone Dust, Chips	Cum	Earthen	10			0.0975	43.88			0.30			
			Gravel	20										
			Bituminous	40										
3	Gravel,river shingle, broken stone aggregates and bats	Cum	Earthen	10			0.1200	54.00			0.50			
			Gravel	20										
			Bituminous	40										
4	Boulder/Cobbles/quarry stone	Cum	Earthen	10			0.1575	70.88			0.50			
			Gravel	20										
			Bituminous	50										
5	Cement, Reinforcement Steel ,gabion wire, Fabricated Steel, G.I,C.I, Pipes, RCC Precast Element	MT Kg	Earthen	10			0.0900	40.50			0.40			
			Gravel	20										
			Bituminous	40										
6	Bitumen	MT	Earthen	10			0.1500	67.50			1.00			
			Gravel	20										
			Bituminous	40										
7	Timber for temporary works	Cum	Earthen	10			0.0825	37.13			0.30			
			Gravel	20										
			Bituminous	40										
8	RCC hume pipe-900mm dia-meter	Meter	Earthen	10			0.1050	47.25			0.04	34.80		
			Gravel	20							0.40			
			Bituminous	40										
9	RCC hume pipe-750mm dia-meter	Meter	Earthen	10			0.0963	43.31			0.03	26.10		
			Gravel	20							0.33			
			Bituminous	40										
10	RCC hume pipe-600mm dia -meter	Meter	Earthen	10			0.0945	42.53			0.02	17.40		
			Gravel	20							0.25			
			Bituminous	40										
11	RCC hume pipe-450mm dia-meter	Meter	Earthen	10			0.0928	41.74			0.01	8.70		
			Gravel	20							0.17			
			Bituminous	40										
12	Rock Material	Cum	Earthen	10			0.1350	60.75			0.50			
			Gravel	20										
			Bituminous	40										
13	Fuel,Water (by tanker)	KL	Earthen	10			0.1400	63.00			0.01	8.70		
			Gravel	20							0.10			
			Bituminous	40										