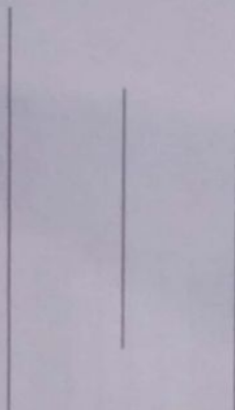


Barekot Rural Municipality
Office of Municipal Executive
Barekot, Jajarkot
Karnali Province, Nepal



Detail Estimate On: Gagra Khola Laghu Jalbidhut Marmat Aayojana

Location: Barekot Rural Municipality - 3, Mulsam, Jajarkot

F.Y. 2079/80



Barekot Rural Municipality
Office of Municipal Executive

Barekot, Jajarkot
Karnali Province, Nepal
Salient Feature of the Project

General Information

Project Name: Gagra Khola Laghu Jalbhidut Marmat Aayojana
Name of Work: canal and gabion wall Construction
District: Jajarkot

Municipality/Rural Municipality: Barekot

Ward No. 3

Name of Village Served: Muljam

Structure Information			
Gabion Work			
Box size (2*1*1)m	No	210	
Box size (1.5*1*1)m	No	280	
Main Canal	M	100	122
Financial Information			
Description	Cost (NRs)	Percentage (%)	
Total Project Cost	5,347,878.43	100.0	
Municipality Contribution	5,347,878.43	100.00	
UC Contribution	-	0.00	

0 Checked By Engineer
Date: _____
Signature: _____
RM

Approved By: Chief Administrative Officer
Date: _____
Signature: _____
RM

[Handwritten Signature]
Date: _____
Signature: _____
RM

कर्म बहादुर सिंह
प्र.स.म. इन्जिनियर

ई. केशव बहादुर श्रेष्ठ
इन्जिनियर



Barekot Rural Municipality
Office of Municipal Executive
Barekot, Jajarkot
Karnali Province, Nepal

Project Name : Gagra Khola Laghu Jalbidhut Marmat Aayojana
District : Jajarkot
Location: Barekot Rural Municipality-3, Mulsam

Summary of Cost Contribution

S.N.	Description	Amount	Community Contribution		Municipal Contribution	Cost Contribution	Remarks
			Cash	Kind			
	Construction Non Local Materials						
A	Civil Works	2,609,348.79			2,609,348.79		
	Sub Total- A	2,609,348.79	0.00	0.00	2,609,348.79	RM and LISP Contribution	
B	Tools & Safety equipment						
	Tools & Safety equipment	90,311.54			90,311.54		
	Sub Total- B	90,311.54	0.00	0.00	90,311.54	RM Contribution	
C	Local material						
1	Aggregate	76,500.00			76,500.00		unskilled labour= 86.93 no.
2	Sand	16,500.00			16,500.00		unskilled labour=18.75 no.
3	Stone	942,568.00			942,568.00		unskilled labour=1071.1 no.
	Sub Total-C	1,035,568.00	0.00		1035568.00	LISP-PILOT Contribution	
D	Labour Cost						
1	Skilled Labours	355,800.57			355,800.57		
2	Unskilled Labours	877,267.65			877,267.65		
	Sub Total-D	1,233,068.22			1,233,068.22	LISP-PILOT Contribution	
E	Management cost	43,500.00			43,500.00		
	Sub Total-E	43,500.00			43,500.00	LISP-PILOT Contribution	
F	Labour insurance	10000			10000		
	Sub Total -F	10,000.00			10,000.00	LISP-PILOT Contribution	
J	Transportation from Berna-ward3 to mulsam	326,081.89			326,081.89	LISP-PILOT Contribution	unskilled labour= 370.55 no.
	Total (A+B+C+D+E+F+G+H)	5,347,878.43			5,347,878.43		
	Total project cost	5,347,878.43	-	-	5,347,878.43		
	Percentage %	100	0.00	0.00	100.00		

Date:
Signature:
RM

Checked By: Engineer
Date:
Signature:
RM

Approved By: Chief Administrative Officer
Date:
Signature:
RM

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अ.सब.इन्जिनियर

ई. केशव बल्लभ
इन्जिनियर



Barekot Rural Municipality
Office of Municipal Executive
Barekot, Jajarkot
Karnali Province, Nepal
Materials & Labour Summary Cost

Project Name : Gagra Khola Laghu Jalbidhut Marmat Aayojana
Location: Barekot Rural Municipality-3, Mulsam

S.N	Description of Materials	Total	Unit	Rate Rs	Amount Rs	Remarks
1	Earth Work : All types of earth work excavation for foundation in all types of soil including a lead of 10 m & lift of 1.5 m all complete work as per drawing and specification.	260.0	Cum	528.00	137,280.00	
2	Earth Work : All types of earth work in back-filling with suitable common material including compaction by tamping rod (with/without watering) with a lead of 10 m & lift of 1.5 m all complete work as per drawing and specification.	26.0	Cum	220.00	5,720.00	
3	Stone Soling Work : Dry stone soling / paving work in foundation & floor including a lead of 10 m & lift of 1.5 m all complete work as per drawing and specification.	16.9	Cum	3520.00	59,417.60	
4	Concrete work: Plain Cement Concrete M15/15grade (RCC 1:2:4 machine mix) in superstructure including materials collection mixing, supply, compaction, curing, testing, etc with a lead of 30 m all complete work as per drawing and technical specifications.	30.0	Cum	18165.67	544,970.10	
5	Steel Reinforcement Works: Supply Cutting, bending, placing in position according to the drawing & binding of rod for RCC works with lead up to 30 m all complete work as per Technical Specifications.	1633.6	kg	148.31	242,270.01	
6	Formwork & Props Work: Ply & iron props form work for canal including selection, collection of materials, cutting, nailing, erection, nailing, oiling coating, fixing in position as per drawing, also removal & disposal with a lead of 30, all complete work as per Technical Specifications.	120.0	Sqm	1302.86	156,343.20	
7	Gabion fabricatiomn (2x1x1) box size with Hexagonal mesh size 100x120mm, Meshwire 10 SWG, Salvagewire 7 SWG and assembling of crates, gabions and placing them in position including stretchching, binding together and tying down lid with 12SWG binding wire including	210.0	no.	4723.82	992,002.20	
8	Gabion fabricatiomn (1.5x1x1) box size with Hexagonal mesh size 100x120mm, Meshwire 10 SWG, Salvagewire 7 SWG and assembling of crates, gabions and placing them in position including stretchching, binding together and tying down lid with 12SWG binding wire including	280.0	no.	3515.65	984,382.00	
9	Packing and filling of gabion boxes with rubble stone (all size)	840.00	Cum	2090.00	1,755,600.00	
10	Safety Equipment & Tools	1.0			90,311.54	
11	Management cost	1.0			43,500.00	
12	Transportation	1.0			326,081.89	
13	Labour Insurance	1.0			10,000.00	
	Total cost NRs.				5,347,878.43	

Prepared By:

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अ.स.व. इन्जिनियर

Checked By:

ई. केशव बहादुर श्रेष्ठ
इन्जिनियर

Approved By:

Karnali Province, Nepal
Materials and Labour Summary Cost

Details Quantity Calculation Sheet

Project Name : Gagra Khola Laghu Jalbidhut Marmat Aayojana
Name of Work: canal and gabion wall Construction
Location: Barekot Rural Municipality-3, Mulsam

SN	Description	No.	Length (m)	Breadth (m)	Height (m)	Quantity	Unit	Remarks
1	Earth Work : All types of earth work excavation for foundation in all types of soil including a lead of 10 m & lift of 1.5 m all complete work as per drawing and specification.	Sub-total				260.00	m ³	
	For Gabiony wall Foundation	1	130.00	2.00	1.00	260.00		
2	Earth Work : All types of earth work in back-filling with suitable common material including compaction by tamping rod (with/without watering) with a lead of 10 m & lift of 1.5 m all complete work as per drawing and specification.	10% of E/W				26.00	m ³	
3	Stone Soling Work : Dry stone soling / paving work in foundation & floor including a lead of 10 m & lift of 1.5 m all complete work as per drawing and specification.	Sub-total				16.88	m ³	
	At Canal Bed	1	125.00	0.90	0.15	16.88		
6	Concrete work: Plain Cement Concrete M15/15grade (RCC 1:2:4 machine mix) in superstructure including materials collection mixing, supply, compaction, curing, testing, etc with a lead of 30 m all complete work as per drawing and technical specifications.	Sub-total				30	m ³	
	Vertical wall of canal	2	127.00	0.13	0.60	19.05		Average Width and Height
	At Horizontal bed of canal	1	127.00	0.80	0.10	10.16		
	RCC slab	1	2.00	2.00	0.10	0.40		
8	Steel Reinforcement Works: Supply Cutting, bending, placing in position according to the drawing & binding of rod for RCC works with lead up to 30 m all complete work as per Technical Specifications.	Sub-total				1,633.58	kg	
8.1	For canal construction							
	Main bar- 8 mm dia @200c/c	11	148.64	1635.07	0.40	645.95		with lapping length
	Distribution bar-U shaped -10mm @ 150 c/c	847	1.84	1557.87	0.62	962.94		
	for slab work-10mm	2	20.00	40.00	0.62	24.69		
9	Formwork & Props Work: Ply & iron props form work for canal including selection, collection of materials, cutting, nailing, erection, nailing, oiling coating, fixing in position as per drawing, also removal & disposal with a lead of 30, all complete work as per Technical Specifications.	Sub-total				120.00	m ²	
	Outer Wall	2	50		0.70	70.00		
	Inner wall	2	50		0.50	50.00		

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Approved by



Barekot Rural Municipality
Office of Municipal Executive
Barekot, Jajarkot
Karnali Province, Nepal

Project Name : Gagra Khola Laghu Jalbidhut Marmat Aayojana
Location: Barekot Rural Municipality-3, Mulsam

Detail Quantity Calculation Sheet

(Change 0+000 To 0+140)

S.N	Layer of Gabion Wall	Sectional Area	Total Length	Qty	Gabion size	No	Remarks
1	1st layer	2	140	280	2	140	
2	2nd layer	1.5	140	210	1.5	140	
3	3rd layer	1.5	140	210	1.5	140	
4	4th layer	1	70	70	2	35	
5	5th layer	1	70	70	2	35	

S.N	Gabion Box Size	Total Number	Quantity	unit
1	2*1*1	210	420	cum
2	1.5*1*1	280	420	cum
	Sub-total		840	cum

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Barekot Rural Municipality
Office of the Municipal Executive
Karnali Province
Karnali Province, Nepal
Labor and Material Cost

Project Name : Gagra Khola Laghu Jalbidhut Marmat Aayojana

Location: Barekot Rural Municipality-3, Mulsam

S.N.	Item Description	Unit	Quantity	Rate	Amount	Remarks
A	Labor					
1	Skilled	md	323.46	1100.00	355800.57	
2	Unskilled	md	996.90	880.00	877267.65	
	Total labor cost				1233068.22	
B	Local material					
1	Stone	cum	942.57	1000.00	942568.00	
2	Sand	cum	13.20	1250.00	16500.00	
3	Aggregate	cum				
	Gravel_1 =40 mm gravel	cum	15.60	3000.00	46800.00	
	Gravel_2 =20 mm gravel	cum	6.60	3000.00	19800.00	
	Gravel_3 =10 mm gravel	cum	3.30	3000.00	9900.00	
	Total Local Material				1035568.00	
C	Non-local material					
1	Cement-opc	Bag	192.00	1598.10	306835.97	
2	Reinforcement Bar	Kg	1715.26	126.76	217421.65	
3	Binding wire	Kg	16.34	135.10	2206.94	
4	Heavy Zinc Coated Gabion Box Size (2*1*1) with Binding wire 12 SWG	no	210	4723.82	992002.20	
5	Heavy Zinc Coated Gabion Box Size (1.5*1*1) with Binding wire 12 SWG	Kg	280	3515.65	984382.00	
6	Nails(2"-3")	Kg	30.00	129.45	3883.44	
7	Plywood-waterproof-6mm	sqm	120.00	855.14	102616.59	
	Total non-local material cost				2609348.79	
8	Transportation From Berna to mulsam				326081.89	
	Total				5204066.90	

Prepared By:

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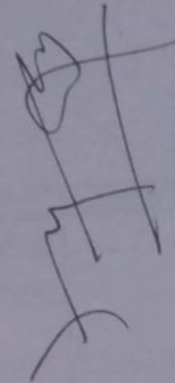
Approved By:

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Barekot Rural Municipality
Office of Municipal Executive
Barekot, Jajarkot
Karnali Province, Nepal
Material Labour Breakdown sheet

S.N	Description of works	Qty.	Unit	Labour		Non-Local Material						Local Material						Grass Slip
				Skilled labour MD	Unskilled labour MD	Cement Bags	Re-Bar 8mm-16mm Kg	Bending wire Kg	Nails Kg	Hing No	Stone Cu.m	Sand Cu.m	Aggregate 40mm Cum	Aggregate 20mm Cu.m	Aggregate 10mm Cum	ply wood sqm		
1	Earth Work: All types of earth work excavation for foundation in all types of soil including a lead of 10 m & lift of 1.5 m all complete work as per drawing and specification.	260.00	Cum		156.00													
2	Earth Work: All types of earth work in back-filling with suitable common material including compaction by tamping rod (without watering) with a lead of 10 m & lift of 1.5 m all complete work as per drawing and specification.	26.00	Cum		6.50													
3	Stone Soling Work: Dry stone soling / paving work in foundation & floor including a lead of 10 m & lift of 1.5 m all complete work as per drawing and specification.	16.88	Cum	16.88	25.32						18.57							
4	Concrete work: Plain Cement Concrete M15/15grade (RCC 1:2:4 machine mix) in superstructure including materials collection mixing, supply, compaction, curing, testing, etc with a lead of 30 m all complete work as per drawing and technical specifications.	30.00	Cum	22.50	136.80	192.00						13.200	15.60	6.60	3.3			
5	Steel Reinforcement Works: Supply Cutting, bending, placing in position according to the drawing & binding of rod for RCC works with lead up to 30 m all complete work as per Technical Specifications.	1633.58	kg	11.44	11.44		1715.259	16.3358										
6	Formwork & Props Work: Ply & iron props form work for canal including selection, collection of materials, cutting, nailing, erection, nailing, oiling coating, fixing in position as per drawing, also removal & disposal with a lead of 30, all complete work as per Technical Specifications.	120.00	Sqm	20.64	30.84				30.00							120.00		
7	Packing and filling of gabion boxes with rubble stone (all size)	840.00	Cum	252.00	630.00						924.00							
Total				323.46	996.90	192.00	1715.26	16.34	30.00	0.00	942.57	13.20	15.60	6.60	3.30	120.00	0.00	



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**Barekot Rural Municipality
Office of Municipal Executive**

Barekot, Jajarkot
Karnali Province, Nepal
Safety Equipment & Tools

Project Name : Gagra Khola Laghu Jalbidhut Marmat Aayojana

Location: Barekot Rural Municipality-3, Mulsam

S.N.	Particular	Units	Quantity	Rate	Total Amount	Remarks
1	Hording Board with Transportation	Pic	1	15,000.00	15,000.00	
2	Storeroom	Room /month	3	2,000.00	6,000.00	
3	Fooding and Lodging cost during work at Municipality HQ	Day	10	700.00	7,000.00	F: 500, T-200
4	Public Review	Day	1	2,500.00	2,500.00	
5	Final Public Audit	Day	1	2,500.00	2,500.00	
6	Frist Aid Kit Tools	Box	1	5,000.00	5,000.00	
7	Stationary	Ls	1	500.00	500.00	
8	miscellaneous work	Ls	1	5,000.00	5,000.00	
	Total Management Cost				43,500.00	

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**Barekot Rural Municipality
Office of Municipal Executive**

Barekot, Jajarkot

Karnali Province, Nepal

Safety Equipment & Tools

Project Name : Gagra Khola Laghu Jalbidhut Marmat Aayojana

Location: Barekot Rural Municipality-3, Mulsam

S.N.	Description of Materials	Quantity	Unit	Rate Rs	Amount Rs	Remarks
A Safety Equipment						
1	Safety Helmets	15.00	No-LS	850.00	12750.00	
2	Gumboots	15.00	Set-LS	1000.00	15000.00	
3	Safety Gloves	15.00	Set-LS	600.00	9000.00	
	Sub Total-A				36750.00	
B Tools						
2	Crowbar 1.5''*5'-phalame gal	2	No	2,255.00	4510.00	10% Rate Increase on surkhet district rate
3	Hammer, Sledge 1kg-dhunga kudne with handel	3	No	385.00	1155.00	
4	Hammer, Sledge 5kg(10 pound) with handel	3	No	1,507.00	4521.00	
5	Pickaxe(1''*1/4'')-gaiti with handel	3	No	583.00	1749.00	
6	Shovel-belcha with handel	3	No	709.50	2128.50	
7	Tape, Measurement 30m	1	No	495.00	495.00	
8	Tape, Measurement- 5m (steel)	2	No	176.00	352.00	
9	Stone Chisel-chinno	3	No	467.50	1402.50	
10	Kodalo	3	No	522.50	1567.50	
11	Thread (Dhago)	3	roll	44.00	132.00	
12	Trowel -Karni	3	no	159.50	478.50	
13	plastic Bucket-20 ltr with jug	3	no	583.00	1749.00	
14	Head pan -tasala	5	no	297.00	1485.00	
15	Plumb bob-Ghanti	1	no	236.50	236.50	
16	Sand seive Net-baluwa chalne Jali	5	mtr	335.50	1677.50	
17	Hacksaw frame	3	no	352.00	1056.00	
18	Hacksaw Blade	24	no	32.40	777.60	
	Sub Total-B				25,472.60	
				Total cost	62,222.60	
				13% VAT	8088.94	
				Total NRs.	70,311.54	
			LS		20000.00	
	Transportation from limsa to site			Grand Total NRs.	90,311.54	

Prepared By:

Checked By:

Approved By:

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इन्जिनियर

मोहन प्रकाश शिरी
प्रमुख प्रशासकीय अधिकारी



Barekot Rural Municipality
Office of Municipal Executive
Barekot, Jajarkot
Karnali Province, Nepal
Safety Equipment & Tools

Project Name : Gagra Khola Laghu Jalbidhut Marmat Aayojana
Transportation From Birsen to Mulsam

S.N.	Description of Materials	Quantity	Unit	weight	Rate per kg	Amount NRs.	Remarks
A.	Gabion Box Work						
1	Gabion Box -2*1*1 with Binding wire	210.00	No	27.06	17.50	99445.50	per box weight= 27.26, per kosh transportatio rate for uneasy material as per district rate Rs.3.5, Berna to mulsam 5 kosh Transportation By porter
2	Gabion Box -1.5*1*1 with Binding wire	280.00	No	20.44	17.50	100156.00	per box weight= 23.7, per kosh transportatio rate for uneasy material as per district rate Rs.3.5, Berna to mulsam 5 kosh Transportation By porter
3	Reinforcement	1715.26	KG	0.00	17.50	30017.03	Transportation By porter
4	cement	192.00	bag	50.00	10.00	96000.00	Transportation By horse
5	Binding wire	1.00	KG	16.34	10.00	163.36	Transportation By horse
6	Nails(2"-3")	1.00	KG	30.00	10.00	300.00	Transportation By horse
	Sub Total-A					326081.89	

Prepared By:

Checked By:

Approved By:

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इन्जिनियर

जीवन पाला रिती
प्रमुख प्रशासकीय अधिकारी



Barekot Rural Municipality
Office of Municipal Executive
Barekot, Jajarkot

Project Name : Gagra Khola Laghu Jalbidhut Marmat Aayojana
Location: Barekot Rural Municipality-3, Mulsum

Group Division of Workers

S/N	Particulars of works	Skilled Worker	Rate	Total Amount NRs	Unskilled Worker	Rate	Total Amount NRs	Grand Total Amount	Remarks	Unskilled skilled workers in a group
1	Gabion Box Filling Works	252.00	1100.00	277200.00	630.00	880.00	554400.00			GRA-20
	E/W Excavation Works	-	-	-	156.00	880.00	137280.00			
	E/W Filling Works	-	-	-	6.50	880.00	5720.00			
	Stone setting work	16.88	1100.00	18568.00	25.32	880.00	22281.60			
	RCC Work	22.50	1100.00	24750.00	136.50	880.00	120384.00			
	Reinforcement Work	11.44	1100.00	12578.57	11.44	880.00	10062.85			
2	Form work	20.64	1100.00	22704.00	30.84	880.00	27139.20			GR-B-30
	Total			355800.57	Total		877267.65	1,333,068.22	Total Stone= 942.57 cum per cum rate=1000 Total Sand= 13.2 cum per cum rate=1250 Total Aggregate= 25.5 cum per cum rate=3000	
	Stone collection	-	-	942568.00	1,071.10	880.00	942568.00			
4	Sand collection	-	-	16500.00	18.75	880.00	16500.00			GR-C-50
	Total			76500.00	86.93	880.00	76500.00			
	Aggregate	-	-	1,035,568.00	Total		1,035,568.00	10,35,568.00		
4	Transportation From Barma To Mulsum	-	-	326,081.89	370.55	880.00	326,081.89			GR-C-50
	Total			326,081.89	Total		326,081.89	3,26,081.89		

S.N	Description	no.	Rate	Total Amount
1	Skilled Labour	323.46	1100	355,800.57
2	Unskilled Labour	2,544.22	880	2,238,917.54
	Total			2,594,718.11

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Barekot Rural Municipality
Office of Municipal Executive
Barekot, Jajarkot

Project Name : Gagra Khola Laghu Jalbidhut Marmat Aayojana
Name of Work: canal and gabion wall Construction
Location: Barekot Rural Municipality-3, Mulsam

Work Plan

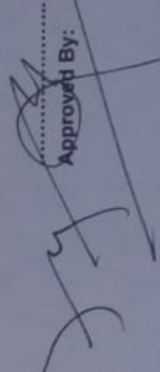
SN	Activities	December				January				February				March				Remarks
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
1	Project submission to office for approval																	
2	User Committee Formation																	
3	Procurement process of Non-local materials, Tools And Equipment																	
4	Project Agreement																	
5	Tools And Equipment Supply To Community																	
6	Material collected by community																	
7	External materials supply to community																	
8	Layout																	
9	excavation work																	
10	Gabion Box Filling with RCC Work																	
11	measurement																	
17	Public audit																	
18	Project monitoring																	
19	Final Payment																	

Prepared By: 

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Checked by: 

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Approved By: 

अमित कुमार शर्मा
इन्जिनियर



Barokot Rural Municipality
Office of the Rural Municipal Executive
Barokot, Dailekh

Karnali Province, Nepal

RATE ANALYSIS F.Y. 2079/080

Excavation in Roadway, Drain and foundation in Hard Soil including removal and satisfactory disposal of the materials upto a lead of 50m.		Unskilled	m d.	0.60	880.00	528.00
		Equipment				0.00
		3% of labour				528.00
Item No.	per	Sub-Total				
3	1	cu.m.				
Norms - Dolidar 5 b		Page 21				
E/W exca. in Roadway & Drain : Hard Soil		U.Rate without VAT		cu.m.		528.00
		per				
Back filling with approved materials obtain from borrow pits excluding excavation.		Unskilled	m d.	0.25	880.00	220.00
		Equipment				0.00
		3% of labour				220.00
Item No.	per	Sub-Total				
10	1	cu.m.				
Norms - Dolidar 10		Page 22				
Back/Earth Filling		U.Rate without VAT		Cu.m.		220.00
		per				
Gabion fabricatiomn (2x1x1) box size with Hexagonal mesh size 100x120mm, Meshwire 10 SWG, Salvagewire 7 SWG and assembling of crates, gabions and placing them in position including stretching, binding together and tying down lid with 12SWG binding wire including diaphragm		Skilled	m d.	0.39	1100.00	429.00
		unskilled	m d.	0.27	880.00	237.60
		Mesh wire	Kg	23.43	149.93	3512.96
		Salvagewire	Kg	2.88	149.93	431.81
		Bindingwire	Kg	0.75	149.93	112.45
Item No.	per	Sub-Total				4723.82
21	1	box				
Dolidar 44.1.B ii a/44.2 i a		Page 50				
Gabion Box 2x1x1m		U.Rate without VAT		box		4723.82
		per				
Gabion fabricatiomn (1.5x1x1) box size with Hexagonal mesh size 100x120mm, Meshwire 10 SWG, Salvagewire 7 SWG and assembling of crates, gabions and placing them in position including stretching, binding together and tying down lid with 12SWG binding wire including diaphragm		skilled	m d.	0.29	1100.00	319.00
		unskilled	m d.	0.15	880.00	132.00
		Mesh wire	Kg	17.57	149.93	2634.34
		Salvagewire	Kg	2.16	149.93	323.86
		Bindingwire	Kg	0.71	149.93	106.45
Item No.	per	Sub-Total				3515.65
24	1	box				
Dolidar 44.1.B ii d/44.2 ii d		Page 50				
Gabion Box 1.5x1x1m		U.Rate without VAT		box		3515.65
		per				
Rubble packing in Gabion box		skilled	m d.	0.30	1100.00	330.00
		unskilled	m d.	0.75	880.00	660.00
		Rubble	cu m	1.10	1000.00	1100.00
Item No.	per	Sub-Total				2090.00
26	1	cu.m.				
Dolidar 45(Rvised)		Page 50				
Rubble packing in Gabion box		U.Rate without VAT		cu.m.		2090.00
		per				
Laying of terram paper (geotextile)		Skilled	m d.		1100.00	0.00
		Unskilled	m d.	0.050	880.00	44.00
		Terram paper	sqm	1.150	306.05	351.96
						0.00
Item No.	per	Sub-Total				395.96
50	1	sq.m.				
Dolidar-7, 18-8 (i)						
Laying of terram paper (Geotextile)		U.Rate without VAT		sq.m.		395.96
		per				
Gabion fabricatiomn (1x1x0.5) box size with Hexagonal mesh size 100x120mm, Meshwire 10 SWG, Salvagewire		skilled	m d.	0.39	1100.00	429.00
		unskilled	m d.	0.27	880.00	237.60

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7 SWG) and assembling of crates, gabions and placing them in position including stretching, binding together and tying down lid with 12.5WG binding wire including discharging	Mesh wire	Kg	23.43	149.93	3512.96
	Salvagewire	Kg	3.46	149.93	518.77
	Binding wire	Kg	0.75	149.93	112.45
	Sub-Total				4810.78
23.00	1.00	box	Contract Rate (1.15)		
Doldar 44.1 B ii d/44.2 ii d Page	U. Rate without VAT	box			4810.78
Gabion Box 3x1x0.5m	per				

Dry stone laying (soling) for foundation			skilled	m.d	1.00	1100.00	1100.00
			Unskilled	m.d	1.50	880.00	1320.00
			stone	cu.m	1.10	1000.00	1100.00
			Sub-Total				3520.00
Item No.	per		Contract Rate (1.15)				
4.01	1.00	cu.m					3520.00
Norms - 6(5) page 16	U. Rate without VAT	cu.m.					
Stone soling (Foundation)	per						

Cement Concrete Works (1:3:6) in foundation (Using Rounded Aggregate) It includes mixing, placing in position, vibrating, compacting, finishing, curing and all other incidents.			skilled	m.d	0.75	1100.00	825.00
			unskilled	m.d	3.50	880.00	3080.00
			cement	bag	4.40	1598.10	7031.66
			gravel 1	cu.m	0.65	3000.00	1950.00
			gravel 2	cu.m	0.24	3000.00	720.00
			sand	cu.m	0.47	1250.00	587.50
			Sub-Total				14194.16
Item No.	per		Contract Rate (1.15)				
15.00	1.00	cu.m					14194.16
Doldar 41.A.a	Page 46	U. Rate without VAT	cu.m.				
P.C.C. - 1:3:6 for Foundation with round aggregate	per						

Cement Concrete Works (1:2:4) for RCC in Superstructure (Using Rounded Aggregate)			skilled	m.d	0.75	1100.00	825.00
			unskilled	m.d	4.56	880.00	4012.80
			cement	bag	6.40	1598.10	10227.87
			gravel 1	cu.m	0.52	3000.00	1560.00
			gravel 2	cu.m	0.22	3000.00	660.00
			gravel 3	cu.m	0.11	3000.00	330.00
			sand	cu.m	0.44	1250.00	550.00
			Sub-Total				18165.67
Item No.	per		Contract Rate (1.15)				
17.00	1.00	cu.m					18165.67
Doldar 41.B.a	Page 46.47	U. Rate without VAT	cu.m.				
PCC for RCC (1:2:4) Rounded Aggregate	per						

Making Ply wood form work for canal including supply and selection of materials, fixing, nailing according to drawings, applying primer, placing separators, dismantling forms and hauling upto 30 m distance. (Salvage value after using 8 times 0.25% i.e. 0.528*0.75%)			skilled	m.d	0.17	1100.00	189.20
			Unskilled	m.d	0.26	880.00	226.16
			Plywood	cu.m	1.000	855.14	855.14
			Nails	kg	0.25	129.43	32.36
			Sub-Total				1302.86
Item No.	per	sq.m.	Contract Rate (1.15)				0.00
5.6	1		U. Rate without VAT	per	sq.m.		1302.86
Norms-8(2a) page 55							
Form work for slab							

Reinforcement for RCC work including cutting, bending, placing, binding and fixing in position as shown on the drawings and as directed by the Engineer			Skilled	m.d	7.00	1100.00	7700.00
			Unskilled	m.d	7.00	880.00	6160.00
			Rebar/MS Rod	kg	1050.00	126.76	133095.20
			Binding wire	kg	10.00	135.10	1350.98
			Sub-Total				148306.18
Item No.	per	kg	Contract Rate (1.15)				
44.00	1000.00		U. Rate without VAT	kg			148.31
Doldar-4 (A-Type-a)			per				
Steel Reinforcement for RCC work							

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