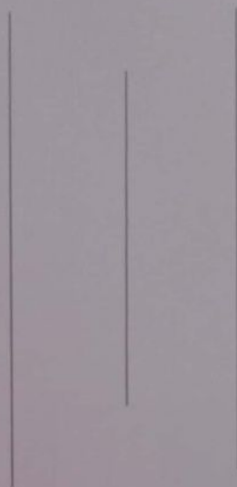


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Barekot Rural Municipality
Office of Municipal Executive
Barekot, Jajarkot
Karnali Province, Nepal



Detail Estimate On: Phadka Khola Laghu Jalbidhut Kulo Marmat Aayojana

Location: Barekot Rural Municipality - 1, Ramidada, 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 : Phadka Khola Laghu Jalbidhut Kulo Marmat Aayojana
Name of Work: canal and gabion wall Construction
District : Jajarkot

Municipality/Rural Municipality: Barekot

Ward No: 1

Name of Village Served: Ramidada

Structure Information			
Gabion Work			
Box size (2*1*1)m	No	225	
Box size (1.5*1*1)m	No	76	
Main Canal	M	310.00	
Financial Information			
Description		Cost (NRs)	Percentage (%)
Total Project Cost		4,586,755.36	100.0
Municipality Contribution		4,586,755.36	100.00
UC Contribution		-	0.00

Prepared By: Asst/Sub Engineer
Date: *2073*
Signature: *[Signature]*
RM

हिमाल पुन
अ.सव- इन्जिनियर

Checked By: Engineer
Date: *2073*
Signature: *[Signature]*
RM

ई. केशव बहादुर श्रेष्ठ
इन्जिनियर

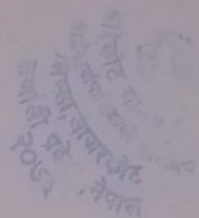
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Date: *2073*
Signature: *[Signature]*
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अ.सव- इन्जिनियर



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

Project Name : Phadka Khola Laghu Jalbidhut Kulo Marmat Aayojana
District : Jajarkot
Location: Barekot Rural Municipality-1, Ramidada



Summary of Cost Contribution

S.N.	Description	Amount	Community Contribution		Municipality Contribution	Cost Contribution	Remarks
			Cash	Kind			
	Construction Non Local Materials						
A	Civil Works	2,306,784.55			2,306,784.55		
	Sub Total- A	2,306,784.55	0.00	0.00	2,306,784.55	RM And LISP Pilot Contribution	
B	Tools & Safety equipment						
	Tools & Safety equipment	78,239.57			78,239.57		
	Sub Total- B	78,239.57	0.00	0.00	78,239.57	RM Contribution	
C	Local material						
1	Aggregate	93,834.60			93,834.60		unskilled labour= 106.63 no.
2	Sand	44,253.33			44,253.33		unskilled labour= 50.29 no.
3	Stone	823,488.24		0.00	823,488.24		unskilled labour= 935.78 no.
	Sub Total-C	961,576.17	0.00	0.00	961,576.17	LISP-PILOT Contribution	
D	Labour Cost						
1	Skilled Labours	292,098.70		-	292,098.70		
2	Unskilled Labours	897,556.47			897,556.47		
	Sub Total-D	1,189,655.18	0.00	-	1,189,655.18	LISP-PILOT Contribution	
E	Management cost	40,500			40,500		
	Sub Total-E	40,500	0.00	0.00	40,500.00	LISP-PILOT Contribution	
F	Labour Insurance	10,000.00			10,000.00		
	Sub Total-F	10,000.00			10,000.00	LISP-PILOT Contribution	
G	Non Local Material Transportation	-	0.00	0.00	-		
	Total (A+B+C+D+E+F)	4,586,755.47		-	4,586,755.47		
	Total project cost	4,586,755.47	-	-	4,586,755.47		
	Percentage %	100		0.00	100.00		

prepared by:
Date:
Signature:
RM

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अ.सव- इन्जिनियर

Checked By: Engineer
Date:
Signature:
RM

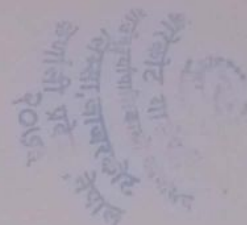
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इन्जिनियर

Approved By: Chief Administrative Officer
Date:
Signature:
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प्रमुख प्रशासकीय अधिकारी



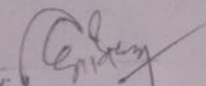
Barekot Rural Municipality
Office of Municipal Executive
Barekot, Jajarkot
Karnali Province, Nepal
Materials & Labour Summary Cost

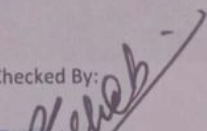


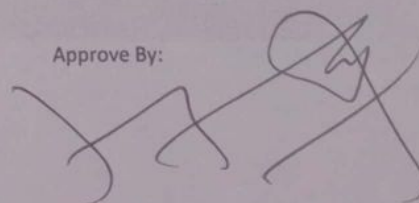
Project Name : Phadka Khola Laghu Jalbidhut Kulo Marmat Aayojana

Location: Barekot Rural Municipality-1, Ramidada

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.	83.5	Cum	528.00	44,088.00	
2	Earth Work : Slide Clearance Work in Ordinary Soil including a lead of 10 m & lift of 1.5 m all complete work as per drawing and specification.	675.0	Cum	264.00	178,200.00	
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.	28.0	Cum	3810.97	106,800.63	
4	Concrete work: Plain Cement Concrete M20/20grade (RCC 1:1.5:3 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.	36.4	Cum	23621.58	859,116.86	
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.	3146.3	kg	148.31	466,608.32	
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.	100.0	Sqm	1302.86	130,286.00	
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 stretching, binding together and tying down lid with 12SWG binding wire including	225.0	no.	4723.82	1,062,859.50	
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 stretching, binding together and tying down lid with 12SWG binding wire including	76.0	no.	3515.65	267,189.40	
9	Packing and filling of gabion boxes with rubble stone (all size)	564.00	Cum	2380.97	1,342,867.08	
10	Safety Equipment & Tools	1.0			78,239.57	
11	Management cost	1.0			40,500	
12	Labour Insurance	1.0			10,000.00	
	Total cost				4,586,755.36	

Prepared By: 
हिमाल पुन
अ.सब- इन्जिनियर

Checked By: 
ई. केशव श्रेष्ठ
इन्जिनियर

Approve By: 

कोटाम प्रमुख
प्रमुख प्रशासकीय अधिकारी



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



Project Name : Phadka Khola Laghu Jalbidhut Kulo Marmat Aayojana

Location: Barekot Rural Municipality-1, Ramidada

S.N.	Item Description	Unit	Quantity	Rate	Amount	Remarks
A	Labor					
1	Skilled	md	265.54	1100.00	292098.70	
2	Unskilled	md	1019.95	880.00	897556.47	
	Total labor cost				1189655.18	
B	Local material					
1	Stone	cum	651.23	1264.52	823488.24	
2	Sand	cum	15.46	2862.95	44253.33	
3	Aggregate					
	Gravel_1 =40 mm gravel	cum	20.73	3000.00	62192.70	
	Gravel_2 =20 mm gravel	cum	10.55	3000.00	31641.90	
	Total Local Material				961576.17	
C	Non-local material with VAT					
1	Cement-opc	Bag	290.96	1598.10	464984.34	
2	Reinforcement Bar	Kg	3304	126.76	418750.76	
3	Binding wire	Kg	31.46	135.10	4250.52	
4	Heavy Zinc Coated Gabion Box Size (2*1*1) with Binding wire 12 SWG	no	225.00	4723.82	1062859.50	
5	Heavy Zinc Coated Gabion Box Size (1.5*1*1) with Binding wire 12 SWG	Kg	76.00	3515.65	267189.40	
6	Nails(2"-3")	Kg	25.00	129.45	3236.20	
7	Plywood-water Proof-6mm	sqm	100.00	855.14	85513.83	
	Total non-local material cost				2306784.55	
	Total				4458015.90	

(Signature)

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अ.सब- इन्जिनियर

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इ. केशव महर्तु
इन्जिनियर

(Signature)

कोट न प्रमाणित
कृपया प्रमाणित गर्नुहोस्



**Barekot Rural Municipality
Office of Municipal Executive**

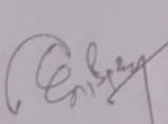
Barekot, Jajarkot
Karnali Province, Nepal
Safety Equipment & Tools

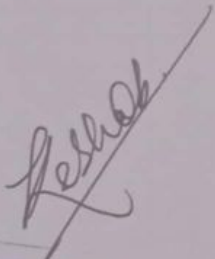


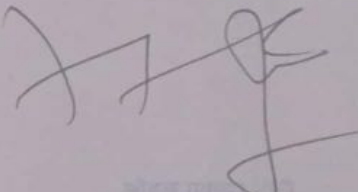
Project Name : Phadka Khola Laghu Jalbidhut Kulo Marmat Aayojana

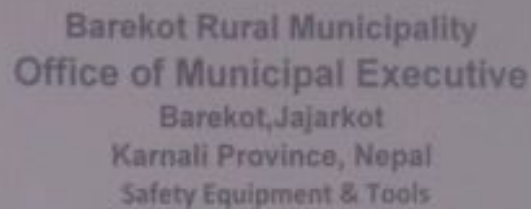
Location: Barekot Rural Municipality-1, Ramidada

S.N.	Particular	Units	Quantity	Rate	Total Amount	Remarks
1	Hording Board-with Transportation	Pic	1	11,000.00	11,000.00	
2	Storeroom	Room /month	3	2,000.00	6,000.00	
3	Fooding and Lodging cost during work at Municipality HQ	Day	10	750.00	7,500.00	F: 500, T-250
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	1,000	1,000	
8	miscellaneous work	Ls	1	5,000.00	5,000.00	
	Total Management Cost				40,500	


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अ.सब- इन्जिनियर


श. केशव बहादुर श्रेष्ठ
इन्जिनियर


मौलिक प्रसाद शर्मा
प्रमुख प्रशासकीय अधिकारी





Barekot Rural Municipality
Office of Municipal Executive
Barekot, Jajarkot

Project Name : Phadka Khola Laghu Jalbidhut Kulo Marmat Ayoji
Location: Barekot Rural Municipality-1, Ramidada

Group Division of Workers

SN	Particulars of works	Skilled Worker	Rate	Total Amount NRs	Unskilled Worker	Rate	Total Amount NRs	Remarks	Unskilled /skilledworkers in a group
1	Gabion Box Filling Works	169.20	1100.00	186120.00	423.00	880	372240		GR-A :40
	E/W Excavation Works	-			50.10	880	44088		
	Slide Clearance Works	-			202.50	880	178200		
	Stone soiling work	28.02	1,100.00	30,826.98	42.04	880	36992.37		
	RCC Work	29.10	1,100.00	37,331.25	254.59	880	181579.2		
	Reinforcement Work	22.02	1,100.00	24,223.82	22.02	880	19379.05		
	Form work	17.20	1,100.00	18,920.00	25.70	880	22616		
	Total			297,422.04	Total		855094.6265		
2	Stone collection	-		823,488.24	935.78	880.00	823,488.24	Total Stone= 651.23 cum per cum rate=1264.52	GR-B :50
	sand collection	-		44,253.33	50.29	880.00	44,253.33	Total Sand= 15.46 cum per cum rate=2862.95	
	Aggregate	-		93,834.60	106.63	880.00	93,834.60	Total Aggregate= 31.28 cum per cum rate=3000	
	Total			961,576.17	Total		961576.17		

S.N	Description	no.	Rate	Total Amount
1	Skilled Labour	265.54	1100	292,098.70
2	Unskilled Labour	2,112.65	880	1,859,132.65
	Total			2,151,231.35

हस्ताक्षर
प्रमुख-इन्जिनियर

ई. कोशव
इन्जिनियर

हस्ताक्षर
प्रमुख-इन्जिनियर

हस्ताक्षर
प्रमुख-इन्जिनियर

Barekot Rural Municipality
Office of Municipal Executive

Barekot, Jajarkot

Karnali Province, Nepal

Materials and Labour Summary Cost

Details Quantity Calculation Sheet



Project Name : Phadka Khola Laghu Jalbidhut Kulo Marmat Aayojana

Name of Work: canal and gabion wall Construction

Location: Barekot Rural Municipality-1, Ramidada

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				28.00	m ³	
	For canal bed	1	200.00	0.70	0.20	28.00		
2	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				28.02	m ³	
	At Canal Bed	1	267.00	0.70	0.15	28.02		
3	Concrete work: Plain Cement Concrete M20/20grade (RCC 1:1.5:3 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				36.37	m ³	
	New construction							
	Vertical wall of canal	2	255.00	0.10	0.40	20.40		
	At Horizontal bed of canal	1	255.00	0.50	0.100	12.75		
	At Repair maintenance part							
	Vertical wall of canal-one side	1	55.00	0.10	0.36	1.98		
	At Horizontal bed of canal	1	55.00	0.30	0.075	1.24		
4	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				3,146.25	kg	
4.1	For new canal construction							
	Main bar- 8mm dia @200c/c	8	323.00	2584	0.40	1033.60	1201.90	
	Distribution bar-U shaped -10 mm @ 125c/c	2040	1.39	2828.05	0.62	1753.39	1944.35	
	For Repair and maintenance							
	Main bar- 8mm dia @200c/c	6	70.13	420.75	0.40	168.30		
	Distribution bar-L shaped -10 mm @ 125c/c	440	0.70	308.00	0.620	190.96		
5	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				100.00	m ²	
	Outer Wall	2	50		0.60	60.00		
	Inner wall	2	50		0.40	40.00		

हिमाद पन
अ.सर्वेक्षणियर

Prepared By

अ.सर्वेक्षणियर
बहादुर
Checked by

अ.सर्वेक्षणियर
अ.सर्वेक्षणियर

अ.सर्वेक्षणियर
अ.सर्वेक्षणियर

Approved by



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



Project Name : Phadka Khola Laghu Jalbidhut Kulo Marmat Aayojana
Location: Barekot Rural Municipality-1, Ramidada

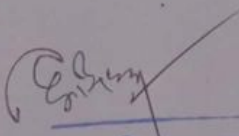
S.N	Description	no	Length	Breadth	Height	Quantity	unit	Remarks
1	Earth Work : Slide Clearance Work in Ordinary Soil including a lead of 10 m & lift of 1.5 m all complete work as per drawing and specification.						cum	
a	Part-I	0.5	30	3	6	270.00		
b	part-II	0.5	45	3	6	405.00		
				Sub-Total		675.00	cum	
2	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.	1	74	2.5	0.30	55.50	Cum	
				Sub-Total		55.50	cum	

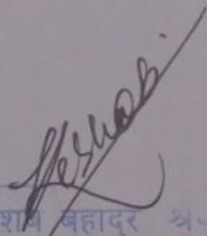
Detail Quantity Calculation Sheet

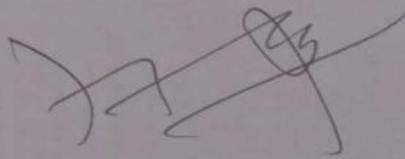
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S.N	Layer of Gabion Wall	Sectional Area	Total Length	Qty	Gabion size	No	Remarks
A	At Part -1						
1	1st layer	1.5	6	9	1.5	6	
B	AT Part -2						
1	1st layer	2	70	140	2	70	
2	2nd layer	1.5	70	105	1.5	70	
3	3rd layer	1	70	70	2	35	
4	4th layer	1	70	70	2	35	
5	5th layer	1	70	70	2	35	
6	6th layer	1	70	70	2	35	
7	7th layer	1	30	30	2	15	

S.N	Gabion Box Size	Total Number	Quantity	unit
1	2*1*1	225.00	450	cum
2	1.5*1*1	76	114	cum
	Sub-total		564	cum


हिमाल पुन
अ.सव- इन्जिनियर


ई. केशव बहादुर
इन्जिनियर


केशव बहादुर
इन्जिनियर

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

S.N	Description of works	Qty.	Unit	Skilled labour	Unskilled labour	Cement	Re-Bar 8mm-16mm	Bending wire	Nails	Hing	Stone	Sand	Aggregate 40mm	Aggregate 20mm	Aggregate 10mm	ply wood	Grass Slip	No
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.	83.50	Cum			50.10												
2	Earth Work : Slide Clearance Work in Ordinary Soil including a lead of 10 m & lift of 1.5 m all complete work as per drawing and specification.	675.00	Cum			202.50												
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.	28.02	Cum			42.04					30.83							
6	Concrete work: Plain Cement Concrete M20/20grade (RCC 1:1.5:3 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.	36.37	Cum			29.10	254.59	290.96				15.457	20.73	10.55	0			
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.	3146.25	kg			22.02			31.46									
	Reinforcement -10mm	1944.35							2041.57									
	Reinforcement -8 mm	1201.90				1262.00												
9	Formwork & Props Work: Ply & iron props form work for canal erection, nailing, oiling coaling, fixing in position as per drawing, including selection, collection of materials, cutting, nailing, also removal & disposal with a lead of 30, all complete work as per Technical Specifications.	100.00	Sqm			17.20	25.70			25.00						100.00		
10	Packing and filling of gabion boxes with rubble stone (all size)	564.00	Cum			169.20	423.00					620.40						
Total						265.54	1019.95	290.96	3304	31.46	25	0	651.23	15.46	20.73	10.55	0.00	100
				Labour			Non-Local Material							Local Material				
Material Labour Breakdown sheet																		

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Barekot Rural Municipality
Office of Municipal Executive
Barekot, Jajarkot

Project Name : Phadka Khola Laghu Jalbidhut Kulo Marmat Aayojana
Name of Work: canal and gabion wall Construction
Location: Barekot Rural Municipality-1, Ramidada

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	
	Weeks																	
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																	

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Prepared By:

हिमाल पुन
अ.सव- इन्जिनियर

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Checked By:

ई. केशव
इन्जिनियर

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Approved By:

मोटाका प्रमुख
पुनः प्रमाणित गर्नुहोस्



Barekot Rural Municipality
Office of the Rural Municipal Executive
Barekot, Dailekh
RATE ANALYSIS F.Y. 2079/080

Karnali Province, Nepal

Slide clearance in Ordinary soil			Unskilled	m.d.	0.30	880.00	264.00
			Equipment				
			3% of labour				0.00
			Sub-Total				264.00
Item No.	per		Contract Rate (1.15)				
7	1	cu.m.	U.Rate without VAT				
Norms - NG 15.14.ka			per				
Page 152			Unskilled	m.d.	0.60	880.00	528.00
Slide clearance in Ordinary soil			Equipment				
Excavation in Roadway, Drain and foundation in Hard Soil including removal and satisfactory disposal of the materials upto a lead of 50m.			3% of labour				528.00
			Sub-Total				528.00
Item No.	per		Contract Rate (1.15)				
3	1	cu.m.	U.Rate without VAT				
Norms - Dolidar 5.b			per				
Page 21							
E/W exca. in Roadway & Drain : Hard Soil							
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
			Sub-Total				220.00
Item No.	per		Contract Rate (1.15)				
10	1	cu.m.	U.Rate without VAT				
Norms - Dolidar 10			per				
Page 22							
Back/Earth Filling							
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 diaphragm			Skilled	m.d.	0.39	1100.00	429.00
			unkilled	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
			Sub-Total				4723.82
Item No.	per		Contract Rate (1.15)				
21	1	box	U.Rate without VAT				
Dolidar 44.1.B ii a/44.2.i a			per				
Page 50							
Gabion Box 2x1x1m							
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 diaphragm			skilled	m.d.	0.29	1100.00	319.00
			unkilled	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
			Sub-Total				3515.65
Item No.	per		Contract Rate (1.15)				
24	1	box	U.Rate without VAT				
Dolidar 44.1.B ii.d/44.2 ii.d			per				
Page 50							
Gabion Box 1.5x1x1m							
Rubble packing in Gabion box			skilled	m.d.	0.30	1100.00	330.00
			unkilled	m.d.	0.75	880.00	660.00
			Rubble	cu.m.	1.10	1264.52	1390.97
			Sub-Total				2380.97
Item No.	per		Contract Rate (1.15)				
26	1	cu.m.	U.Rate without VAT				
Dolidar 45(Rvised)			per				
Page 50							
Rubble packing in Gabion box							
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

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Item No.	1	per	sq.m.	Sub-Total		395.96
50				Contract Rate (1.15)		
Dolidar-72 18-8 (i)				U.Rate without VAT		395.96
Laying of terram paper (Geotextile)				per	sq.m.	
Gabion fabrication (3x1x0.5) box size with Hexagonal mesh size 100x120mm, Meshwire 10 SWG, Salvagewire 7 SWG and assembling of crates, gabions and placing				skilled	m.d.	0.39
				unskilled	m.d.	0.27
				Mesh wire	Kg	23.43
						149.93
						3512.96
2 Labour	0.02	No		880.00	14.96	
Unskill				Sub total	14.96	
				Total	54.96	
	54.96					
Rate per M ²	Actual Rate			Total	54.96	

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	1264.52	1390.97
								3810.97
				Sub-Total				
				Contract Rate (1.15)				3810.97
				U.Rate without VAT				
				per				
Item No.	per	cu.m.						
4.01	1.00							
Norms - 6(5) page 16								
Stone soling (Foundation)								

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	2862.95	1345.59
				Sub-Total				14952.25
				Contract Rate (1.15)				14952.25
				U.Rate without VAT				
				per				
Item No.	per	cu.m.						
15.00	1.00							
Dolidar 41.A.a								
P.C.C. - 1:3:6 for Foundation with round aggregate								

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	2862.95	1259.70
				Sub-Total				18875.37
				Contract Rate (1.15)				18875.37
				U.Rate without VAT				
				per				
Item No.	per	cu.m.						
17.00	1.00							
Dolidar 41.B.a								
PCC for RCC (1:2:4) Rounded Aggregate								

Cement Concrete Works (1:1.5:3) for RCC in Superstructure (Using Rounded Aggregate)				skilled	m.d.	0.80	1100.00	880.00
				Unskilled	m.d.	7.00	880.00	6160.00
				cement	bag	8.00	1598.10	12784.83
				gravel 1	cu.m.	0.57	3000.00	1710.00
				gravel 2	cu.m.	0.29	3000.00	870.00
				sand	cu.m.	0.425	2862.95	1216.75
				Sub-Total				23621.58
				Contract Rate (1.15)				23621.58
				U.Rate without VAT				
				per				
Item No.	per	cu.m.						
17.00	1.00							
Dolidar 41.B.a								
PCC for RCC (1:1.5:3) Rounded Aggregate								

Making Plywood 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 6 times 0.25% i.e. 0.526*0.75/6)				skilled	m.d.	0.17	1100.00	189.20
				Unskilled	m.d.	0.26	880.00	226.16
				Ply wood	sqm	1.000	855.14	855.14
				Nails	kg	0.25	129.45	32.36
				Sub-Total				1302.86
				Contract Rate (1.15)				0.00
				U.Rate without VAT				1302.86
				per				
Item No.	per	sq.m.						
5.6	1							
Norms-8(2a) page 55								
Form work for slab								

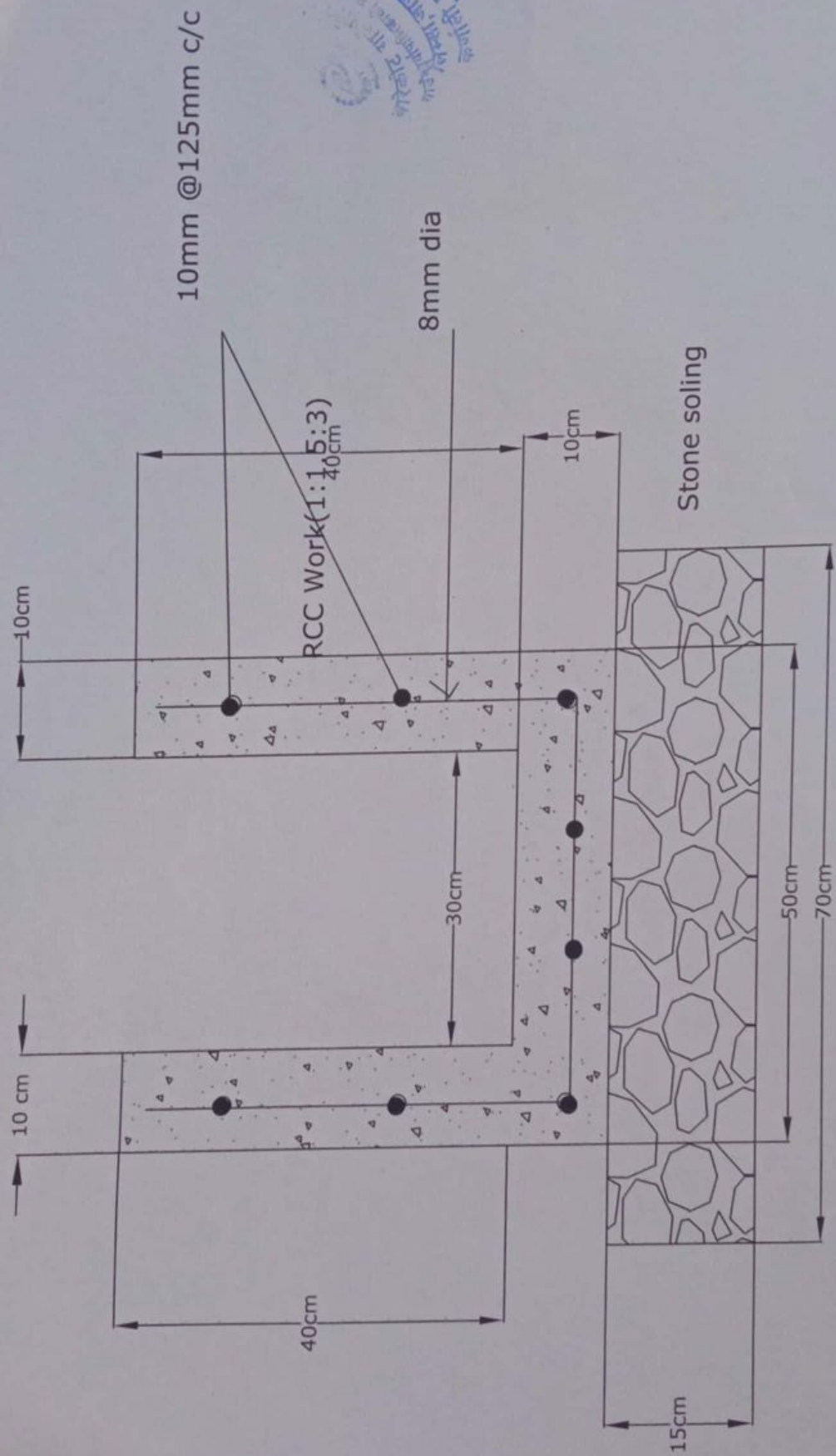
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Reinforcement for RCC work			Skilled	m.d.	7.00	1100.00	7700.00
Including cutting, bending, placing, binding and fixing in position			Unskilled	m.d.	7.00	880.00	6160.00
as shown on the drawings and as directed by the Engineer.			Rebar/MS Rod	kg	1050.00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

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अ.सब- इन्जिनियर

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Project name: Phadkakhola laghu Jalbidhut Kulo marmat Aayojana

Location: Barekot RM-1, Ramidada

हिमालय पुन
अ.सव- इज्जिनियर

इ. के. शर्मा