

**UMAKUNDA
RURAL
MUNICIPALITY**

**PREETI, RAMECHHAP
RATE ANALYSIS**



FY: 2083/84

Rate 2083-84 Summary

Manpower	
Skilled	1,200.00 md
Unskilled	930.00 md

Stone works	
Stone soling	3,937.00 m ³
Dry stone wall	5,793.90 m ³
Stone Masonry(1:4)	10,455.59 m ³
Stone masonry(1:6)	10,180.22 m ³

Mannual Works	
Site clarence	10.70 m ³
Earthwork excavation	478.95 m ³
Filling	267.38 m ³

Gabion	
Gabion 1.5	7,300.55 no
Gabion 2	9,881.55 no
Gabion 3	14,680.52 no

Excavator Rate For UC with 13% VAT	
Hard rock	1,260.98 m ³
Medium rock	450.36 m ³
Soft rock	354.57 m ³
Hard soil	161.58 m ³
Soft soil	114.04 m ³

Plaster Works	
Plaster 1:3	486.69 m ³
Plaster 1:4	476.60 m ³
Plaster 1:6	449.86 m ³



Ngawa Sherpa

Chief Administrative Officer

Rate 2083-84 Summary

Concrete works (on Building)	
Concrete 1:3:6 (M10)	16,240.27 m ³
Concrete 1:2:4 (M15)	17,989.41 m ³
Concrete 1:1.5:3 (M20)	22,125.75 m ³
Hollow Block wall (1:4)	2,267.09 m ²

Concrete works (on Road)	
Concrete 1:3:6 (M10)	13,011.10 m ³
Concrete 1:2:4 (M15)	14,504.81 m ³
Concrete 1:1.5:3 (M20)	16,699.13 m ³
Screeding works(50mm thick) 1:2:4	1,080.20 m ²

Steel Works	
All dia reinforcement	134.96 kg
Cast iron pipe (truss)	185.14 kg
Strainless steel (1" dia)	247.00 rm
Strainless steel (1.5" dia)	392.00 rm
Strainless steel (2" dia)	537.00 rm

Brick works	
Brick works (1:3)	26,211.09 m ³
Brick works (1:4)	25,581.15 m ³
Brick works (1:6)	25,566.96 m ³

Painting, works	
Prime coat	106.20 m ²
First coat	99.78 m ²
Final Coat	97.08 m ²

Wood works	
Local soft wood	34,256.88 m ³
Local hard wood	67,631.76 m ³
Local Sal wood	172,872.00 m ³

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 N. W. Sherpa
 Chief Administrative Officer

Rate 2083-84 Summary

Others		
Punring (1:1)	462.77	m ²
Fencing wire mesh	730.00	m ²
Barbed	3,355.49	m ²
Enamel paint	475.00	lit
Emulsion paint	507.00	lit
Plum concrete	13,085.83	m ³
Frame shutter (wooden pannel)	8,128.30	m ²
Frame shutter (4 mm glass)	7,448.17	m ²
Excavator Rate For Contractor without 13% VAT		
Hard rock	1,209.59	m ³
Medium rock	420.59	m ³
Soft rock	324.80	m ³
Hard soil	146.30	m ³
Soft soil	103.67	m ³

CGI works		
Non Color (24gauge,0.52 mm)	1,699.47	m ²
Non Color (26gauge,0.41 mm)	1,444.72	m ²
Color (24gauge,0.52 mm)	1,772.85	m ²
Color (26gauge,0.41 mm)	1,563.50	m ²

Formwork and ply works		
Formwork (Floor and slab) (12mr	1,214.40	m ²
Formwork (Column)	1,214.40	m ²
Formworkl (Beam) (depth<0.30m	1,279.80	m ²
Ply wood (6mm)	646.87	m ²
Ply wood (8mm)	721.63	m ²
Ply wood (12mm)	1,030.14	m ²



28/10/24

Pratima Shrestha
Chief Administrative Officer

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Government of Nepal
Umakunda Rural Municipality
Office of the Rural municipal Executive
Preeti, Ramechhap
Bagamati Province, Nepal

UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For UC

S.N.	Description of Work	Rate	Unit
1	Collection and supply of materials		
	Collection, breaking, screening, stacking and supply of aggregate within 10m for 1m3		
a	71 mm above	4,369.86	Per m3
b	41 mm - 70 mm	4,959.86	Per m3
c	21 mm - 40 mm	5,054.86	Per m3
d	11 mm - 20 mm	4,959.86	Per m3
e	5-10mm size	4,959.86	Per m3
A	Stone	1,550.00	Per m3
	One face	-	
	Two face	-	
	Six face	-	
	For flooring (<1.5")	950.00	Per m2
	For flooring (>1.5")	1,200.00	Per m2
	For flooring (>1.5") machine dress	1,200.00	Per m2
	For Roofing	929.08	Per m2
B	Sand without screening	4,684.86	Per m3
	Sand with screening	4,894.86	Per m3
	River bed Gravel	1,691.34	Per m3
	Capping layer Granular soil	942.14	Per m3
C	Cement	1,049.90	Per bag
	White cement	36.73	Per kg
D	Skilled	1,200.00	Per m/d
	Un-skilled	930.00	Per m/d
E	Wood	-	
	Sal With transported form Jnkpr	181,515.62	Per m3
	Local sal wood	172,872.00	Per m3
	Local hard wood	67,631.76	Per m3
	Local soft wood	34,256.88	Per m3
	1" local wooden planks	538.00	Per m2
	Bamboo	230.00	Per Pcs
F	Mud	-	
	Kamero mato /Rato mato	692.30	Per m3
	Soil for filling loose	453.30	Per m3
	Soil for bond loose	697.30	Per m3
	Rice husk (bhush)	1.55	Per kg
	Cow dung (gobar)	2.20	Per kg
G	Iron rod TMT	-	
	8 mm	103.00	Per kg
	10 -25 mm	103.00	Per kg
	Binding wire	124.95	Per kg
	G.I Wire (medium class)	-	
	8 Gauge	133.00	Per kg
	10 Gauge	133.00	Per kg
	12 Gauge	133.00	Per kg
H	CGI sheet (galvanised corrugated non coloured)	-	
	Manthali	-	

Prepared By:

Checked By:


Ngawa Saverpa
 Chief Administrative Officer

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Bagmati Province, Nepal

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UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For UC

S.N.	Description of Work	Rate	Unit
	30 Gauge (0.24mm)	353.44	Per m2
	26 Gauge (0.41mm)	550.80	Per m2
	24 Gauge (0.52mm)	724.72	Per m2
I	Color CGI Sheet (galvanised corrugated)		
	Manthali		
	30 Gauge (0.24mm)	426.28	Per m2
	26 Gauge (0.41mm)	637.44	Per m2
	24 Gauge (0.52mm)	788.89	Per m2
J	Galvanized Plain CGI Sheet		
	Manthali		
	30 Gauge (0.24mm)	369.71	Per m2
	26 Gauge (0.41mm)	576.21	Per m2
	24 Gauge (0.52mm)	758.14	Per m2
K	Ridge cover		
	30 Gauge (0.24mm)	215.33	Per Rm
	26 Gauge (0.40mm)	288.48	Per Rm
	KTM		
	30 Gauge (0.24mm)	215.33	Per Rm
	26 Gauge (0.40mm)	288.48	Per Rm
	J hook /U hook	110.00	Per Pcs
	Bitumen Washer	3.26	Per Pcs
	Nut bolt	200.01	Per kg
	Nut bolt 7mm	23.73	Per Pcs
L	Barbed wire (Medium Class 12 Gauge)	132.00	per kg
M	Mosquito proof mesh wire	115.80	per sqm
N	Sand mesh wire	121.87	per sqm
O	Chicken wire mesh	75.87	per sqm
P	Grill work	148.00	per kg with fixing
Q	Collapsible Gate	6,511.40	per sq.m with fixing
R	Rolling shutter (16-18 gauge)	5,973.40	per sq.m with fixing
T	18 gauge compound wall Gate	7,738.04	per sq.m with fixing
U	Ply wood		
	4 mm (commercial)	400.56	per m2
	6 mm	646.87	per m2
	8 mm	721.63	per m2
	12 mm	1,030.14	per m2
V	Glass		
	Plain		
	3 mm	563.76	per m2
	4 mm	735.92	per m2
	5 mm	929.60	per m2
	6 mm	1,091.00	per m2
	Printed glass		
	3 mm	617.56	per m2
	4mm	735.92	per m2
W	Paint		

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Ngawa Sherpa
Chief Administrative Officer

UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For UC

S.N.	Description of Work	Rate	Unit
	White wash	25.00	per kg
	Cement paint	72.00	per kg
	colour lime	42.00	per kg
	Enamel	502.00	per litre
	Primer (wooden)	347.00	per litre
	Almunium paint	475.00	per litre
	plastic Emulsion Paint	507.00	per litre
	X Brick		
	I class	33.13	per pc
	II class	26.91	per pc
	Mitha pak	19.91	per pc
2	Site Clearance		
	To level the surface etc.	10.70	Per m2
	Top Soil Excavation:	171.12	Per. m2
3	Earthwork (Manual)		
A	All Excavation		
	lead of 10 m a lift of 1.5 m,in:		
	soft soil for 1 m3	478.95	Per m3
	Soft rock per m3	2,203.17	Per m3
	Medium rock	3,831.60	Per m3
	Hard rock	18,726.95	Per m3
	Hard soil	660.95	Per m3
B	Earthwork in excavation for trench cutting including a lead of 10 m a lift of 1.5 m,in:		
	hard gravel boulder mixed soil for 1 m3	1,751.52	Per. m3
	soft soil for 1 m3	1,101.59	Per. m3
	Soft rock per m3	3,304.76	Per. m3
	Medium rock	4,957.13	Per. m3
	Hard rock		
	(with chieesseling)	27,759.94	Per. m3
	Hard soil	2,203.17	Per. m3
C	Earthwork excavation for box cutting including lead of 10 m a lift of 1.5 m,in:		
	soft soil for 1 m3	859.24	Per. m3
	Hard soil for 1 m3	1,035.49	Per. m3
	Soft rock for 1 m3	2,203.17	Per. m3
	medium rock for 1 m3	2,753.96	Per. m3
	hard rock for 1 m3	27,759.94	Per. m3
D	Earth Filling including spreading and manual compaction after each layer of 20 cm for 1m3:		
	a. with watering	534.75	Per. m3
	b. without watering	267.38	Per. m3
	c. with watering with lead above 30 m		

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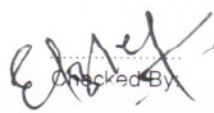
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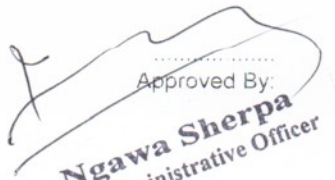
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Chief Administrative Officer

UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For UC

S.N.	Description of Work	Rate	Unit
	with Carrying of Soil		
i	Kamero mato /Rato mato	918.74	Per. m3
ii	Soil for filling loose	1,134.25	Per. m3
iii	Soil for bond loose	794.59	Per. m3
E	Refilling of Pipeline trench including		
	watering and ramming every 20 cm layers for 1 m3		
a.	with gravel and boulder mixed soil	574.74	Per m3
b.	with soft soil	478.95	Per m3
4	Stone soling per m3	3,937.00	Per m3
5	Dry stone wall per m3	5,793.90	Per m3
6	Stone Masonry Work		
1a.	in (1:4) cement mortar	10,455.59	Per m3
b.	in (1:6) cement mortar	10,180.22	Per m3
c.	in (1:3) cement mortar	11,186.45	Per m3
2	stone masonry work including blockstone for 1m3		
a.	dry masonry wall	4,153.00	Per m3
b.	mud mortar masonry wall	5,888.42	Per m3
7 (a)	Plain Cement Concrete Work (For Building as per DUDBC)		
2	Cement concrete work in foundation wall for 1m3		
a.	P.C.C.(1:3:6)	16,240.27	Per m3
b.	P.C.C.(1:2:4)	17,989.41	Per m3
c.	R.C.C.(1:1.5:3)	22,125.75	Per m3
7 (b)	Plain Cement Concrete Work (For Road as per DOR)		
2	Cement concrete work in foundation wall for 1m3		
a.	P.C.C.(1:3:6)	13,011.10	Per m3
b.	P.C.C.(1:2:4)	14,504.81	Per m3
c.	R.C.C.(1:1.5:3)	16,699.13	Per m3
8	Form Work		
	For floor and slab Plywood formworks		
1	with steel adjustable pipe props	1,214.40	Per.m2
	For column including materials,erection,		
2	nailing, removing with transpotation upto 30m	1,214.40	Per.m2
	For beam (0.30 m)including materials and		
3	removing with transpotation upto 30m	1,279.80	Per.m2
	For beam (0.30 -0.8 0m)including materials		
4	and removing with transpotation upto 30m	2,496.31	Per.m2
9	Steel work for R.C.C.		
	Cutting, Bending,Centering and Binding as per drawing and specification.	134.96	Per kg

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For UC

S.N.	Description of Work	Rate	Unit
10	Plastering		
1	12.5mm thick cement plaster for 1m2		
a.	in 1:2 cement sand mortar	541.50	Per.m2
b.	in 1:3 cement sand mortar	486.69	Per.m2
c.	in 1:4 cement sand mortar	476.60	Per.m2
d.	in 1:6 cement sand mortar	449.86	Per.m2
2	20mm thick cement plaster for 1m2		
a.	in 1:3 cement sand mortar	641.73	Per.m2
b.	in 1:4 cement sand mortar	622.47	Per.m2
c.	in 1:6 cement sand mortar	579.42	Per.m2
d.	3 mm thick cement punning	324.71	Per m2
e.	12mm thick Mud plastering	378.48	Per m2
11	Cement Pointing		
	flush pointing in stone masonry wall		
a.	for 1m2 in 1:3 cement sand mortar 3mm thick cement punning in 1:1	386.00	Per.m2
b.	cement sand mortar for 1m2 3mm thick cement punning in 1: 2	462.77	Per.m2
c.	cement sand mortar for 1m2	419.22	Per.m2
12(a)	Barbed wire (per m)	479.21	Per rm
	Barbed wire per RM (5 line horizontal & 2 line diagonal).on RCC post size (75*110*2200)mm at 3m c/c		
(b)	per m	3,355.49	Per rm
12	Painting		
1	readymade enamel or plastic emulsion		
	painting work for 1m2		
a.	prime coat	106.20	Per.m2
b.	first coat	99.78	Per.m2
c.	second coat	97.08	Per.m2
		303.06	
	snowcem painting over plastered surface for 1m2 cement		
	painting on plastered face and applying paint over first and		
2	second coat	213.09	Per.m2
13	C.G.I. Sheet roofing		
a.	C.G.I. Sheet roofing including collection of materials for 1 m2 (22-24 swg) Noncolor .52mm	1,699.47	Per.m2
b.	C.G.I. Sheet roofing including collection of materials for 1 m2 (26gauge) .41mm Noncolor	1,444.72	Per.m2
c.	C.G.I. Sheet roofing including collection of materials for 1 m2 (22-24 swg) color .51mm	1,772.85	Per.m2
e.	C.G.I. Sheet roofing including collection of materials for 1 m2 (26gauge) .41mm color	1,563.50	Per.m2
14	a) Brick work (1:3) per m3 (Machine made)		

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Ngawa Sherpa
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UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For UC

S.N.	Description of Work	Rate	Unit
	i for ground floor	26,211.09	Per m3
	ii above ground floor	26,283.72	Per m3
	b) Brick work in (1:4) per m3 (Machine made)		
	i for ground floor	25,581.15	Per m3
	ii above ground floor	26,065.68	Per m3
	c. Brick work in (1:5) per m3 (Machine made)		
	i for ground floor	25,566.96	Per m3
	ii above ground floor	26,664.79	Per m3
	d) Brick work (1:6)per m3 (Machine made)		
	i for ground floor	25,570.06	Per m3
	ii above ground floor	26,120.12	Per m3
15	a) Brick work (1:3) per m3 (Chimney made I class)		
ii	for ground floor	26,637.99	Per m3
ii	above ground floor	27,122.52	Per m3
	b) Brick work (1:4) per m3		
	for ground floor	26,030.96	Per m3
	above ground floor (1:4)	26,581.08	Per m3
	c) Brick work (1:6)per m3		
	for ground floor	25,524.95	Per m3
	above ground floor 1:6	26,009.48	Per m3
16	Steel work for RCC (per M.T.) (including cutting, bending & placing)		
		134,957.47	Per MT.
17	Roofing work by slate for 10 m2		
		31,788.01	Per 10 sq.m.
		3,178.80	Per sq.m.
18	Roofing work by clay tile for 10 m2 8-3/4"x4"		
		28,298.63	Per 10 sq.m.
		2,829.86	Per sq.m.
19	Porcelain glazed Tile 12"x 8" over a 20 mm 1;4 CM		
		22,814.39	Per 10 sq.m.
		2,281.44	Per sq.m.

Prepared By:



Checked By:



Approved By:


Ngawa Sherpa
 Chief Administrative Officer

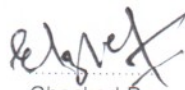
UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For UC

S.N.	Description of Work	Rate	Unit
20	12 mm thick granide all complete works Dismantling Work	5,185.30	Per sq.m.
a.	Dismantling of Coursed Rubble Stone masonry work with mud mortar and lead up to 10 m from site	1,015.37	Per m3
b.	Dismantling of Coursed Rubble Stone masonry work with cement mortar and lead up to 10 m from site	2,030.75	Per m3
c.	Dismantling of RCC/PCC work and lead up to 10 m from site	10,536.90	Per m3
21	Fixing of wooden Ceiling	2,162.25	per m2
22	Jhigati Roofing	561.50	per m2
23	METAL TRUSS WORK	185.14	Per kg
24	२५ मी.मी.-३७५ मी.मी. बाक्लो छान्ने ढुगा (फ्लैगस्टोन) १:४ सिमेन्ट बालुवामा छान्ने काम ।	1,910.25	Per m2
25	१२५ मी.मी. बाक्लो ठाडा ईटा सोलिड गरी जोर्नीमा बालुवाले भर्ने तथा	3,187.93	Per m2
26	जोर्नीको माथि तल्लो भागमा १:३ सिमेन्ट बालुवाको मसलाको फ्लश टिप्कार गर्ने काम । ५० मी.मी. बाक्लो छान्ने ढुगा (फ्लैगस्टोन) १:४ सिमेन्ट बालुवा मसलामा लगाउने ।	2,194.48	Per m2
27	Plum Concrete Work (M15,1:2:4)	13,085.83	Per m2
28	Loosing and re-compacting at sub-grade level including breaking of clods, spreading in layers, watering and compacting.	2,191.98	Per m3
29	Supplying, Laying and compaction of gravel material.	2,359.12	Per m3
30	Preparation of bedding for pipe with granular material.	2,193.49	Per m3
31	#REF!	F1043	Per rm
32	Subgrade construction and preparation of formation in cutting (other than rock excavation) including disposal of material upto 10m .	330.30	Per m3
33	मालसामान उपलब्ध गरी ०.४९ मी.मी. रंगिन जी.आई. शीटको धुरी बनाई जडान गर्ने काम पुरा ।	872.18	Per m2
34	मालसामान उपलब्ध गरी ०.५२ मी.मी. रंगिन जी.आई. शीटको धुरी बनाई जडान गर्ने काम पुरा ।	943.96	Per m2
35	फलामे गिल बनाई खाक्सी लगाई रेडब्रक्साइड पेन्ट समेत गरी जोड्ने	147.99	Per kg
36	४.५ ह २० मी.मी. फलामे गिल बनाई खाक्सी लगाई रेडब्रक्साइड पेन्ट समेत गरी जोड्ने	3,053.00	Per m2
37	३ ह २० मी.मी. फलामे गिल बनाई खाक्सी लगाई रेडब्रक्साइड पेन्ट समेत गरी जोड्ने	2,388.68	Per m2
38	४.५ ह २० मी.मी. फलामे पाताको फ्रेममा १२ ह १२ मी.मी. सोलिड कोर स्क्वायर रडको गिल बनाई खाक्सी लगाई रेडब्रक्साइड तथा अल्मुनियम पेन्ट समेत गरी जोड्ने	3,108.67	Per kg
39	विभिन्न साईजको फलामे एङ्गल फोब्रिकेशन गरी प्राइमर पेन्ट सहित गर्ने काम ।	200.68	Per kg
40	फलामे घुम्ने भन्ज्याङ्ग : ४"-६" च सम्मको मध्यम श्रेणीको कालो पाईप पोष्ट प्रयोग गरी ३/४"ह ३/४" को स्क्वायर पाईप मा ११/४" च को मध्यम श्रेणीको कालो पाईपको ह्याण्डरेल प्रयोग गरी २'-०" देखि २'-६" चौडाईसम्मको फलामे घुम्ने भन्ज्याङ्ग आवश्यक सामग्रीहरु सहित For RM take Floor to Floor height	9,941.68	Per rm
41	फलामे रोलिङ सटर बनाई जडान गर्ने , पेन्टीङ्ग र ज्याला समेत ।	5,973.40	Per m2
42	फलामे कोलाप्सीबल गेट पेन्टीङ्ग र जडान समेत गर्ने ।	6,511.40	Per m2

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Chief Administrative Officer

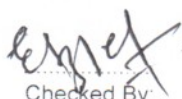
UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For UC

S.N.	Description of Work	Rate	Unit
45	फलामे गेट १६ गेज (५०x५०x५ मी.मी.को फ्रेम सहित) बनाई जोड्ने रेड अक्साइड पेन्टिङ्ग र ज्याला समेत ।	7,738.04	Per m2
46	जि.आई.काढेतार (बार वेड वायर) लगाउने ।	92.29	Per m2
47	३ मिटर दूरीमा खम्बा गाडि ५ तह तथा २ वटा डायगोनल काढेतार लगाउने काम । ७५ मी.मी. ह १०० मी.मी. ह २.१ मी. लामो सालकाठको खम्बा प्रयोग गर्ने ।	1,413.36	Per m2
48	कालो फलामे पाईपको टुस बनाई जडान गर्ने काम (प्राइमर पेन्ट सहित)	182.68	Per kg
49	५० मी.मी. च को कालो फलामे पाईप पोष्ट २ मिटर दूरीमा २०ह२०ह४ मी.मी.ह २५ ह २५ ह ४ मी.मी. साईजको फलामे एङ्गल फ्रेमको विचमा १० क्खनन क्ष ऋजवप्लीप्लप २"ह२" को मेस साइज जाली जडान गर्ने र ३ ह २० को फलामे पाताको गिल ०.१५ मी. अग्लो बनाई माथि जडान गरीफोब्रिकेशन गरी प्राइमर पेन्ट सहित सम्पूर्ण कार्य ।	3,218.91	Per m2
50	५० मी.मी. च को कालो फलामे पाईप पोष्ट २ मिटर दूरीमा २५ ह २५ ह ४ मी.मी. साईजको फलामे एङ्गल फ्रेममा ७ मी.मी.च फलामे डण्डीको डायगोनली जाली६२ ह ६२ मी.मी. साइजमा जडान गर्ने र ३ह२० को फलामे पाताको गिल ०.१५ मी. अग्लो बनाई माथि जडान गरीफोब्रिकेशन गरी प्राइमर पेन्ट सहित सम्पूर्ण कार्य ।	3,100.39	Per m2
51	Supplying and fitting Ready made Teak wood Doors, special (Seasoned and Poisoned treated ,one side teak) with all neccessary hardware all complete.	6,450.75	Per m2
52	५०० गेजको पोलिथिन शीट एक तह बिछ्याउने ।	164.10	Per m2
53	५० मी.मी. व्यासको स्टेन्लेसस्टिलको ह्याण्डरेलमा २ मिटरको दूरीमा ५० मी.मी. व्यासको स्टेन्लेसस्टिलको ठाडो पोष्ट राखी ह्याण्डरेल र भूडको बीचमा तीन तह तेस्रो २५ मी.मी. व्यासको स्टेन्लेसस्टिलको मेम्बर राखी २'-६" देखि ३'-०" सम्म उचाई भएको रेलिङ्ग उपलब्ध गराई जडान गरी रंग समेत लगाउने काम ।	4,132.80	Per m2
54	३८ मी.मी. व्यासको स्टेन्लेसस्टिलको ह्याण्डरेलमा २ मिटरको दूरीमा ३८ मी.मी. व्यासको स्टेन्लेसस्टिलको ठाडो पोष्ट राखी ह्याण्डरेल र भूडको बीचमा दुई तह तेस्रो २५ मी.मी. व्यासको स्टेन्लेसस्टिलको मेम्बर राखी रेलिङ्ग बनाई जडान गरी रंग समेत लगाउने काम ।	3,405.92	Per m2
57	मालसामान उपलब्ध गरी ५० मी.मी. मोटो हेभी ड्यूटी इन्टरलकिंग कन्क्रिटब्लक ५० मी.मी. मोटाइको क्रसर डस्ट माथी राखी बिछ्याउने काम पुरा ।	1,665.29	Per m2
58	a)Daachi Appa Brick work (1:4) c/s mortar with lime surkhi pointing on outside surface of walls per 10 m2 b)25mm Teliya brick (8x8) flooring (1:2) lime surkhi mortar with (1:1) pointing .	1,030.46	Per m2
	5cm Thick Granular Material Bedding from 3 Km	5,154.07	Per m2
59	20cm Thick Stone Pitching on Prepared Bedding (Road stone collected and transported upto 1 km)	305.22	Per m2
60	20cm Thick Stone Pitching on Prepared Bedding (Road stone transported from 150 to 200m)	504.93	Per m2
61	20cm Thick Stone Pitching on Prepared Bedding (Stone collected and transported from 200 to 400m)	283.28	Per m2
62	20cm Thick Stone Pitching on Prepared Bedding (Stone collected and transported by tractor from quarry 3km away)	487.88	Per m2
63	20cm Thick Stone Pitching on Prepared Bedding (Stone collected and transported by tractor from quarry 4km away)	554.87	Per m2
64	Supplying and Applying paint for road marking with cleaning, watering and brooming etc all complete / 10cm wide strip.)	405.21	Per m2
		535.87	Per rm

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Approved By:

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Chief Administrative Officer

UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For UC

S.N.	Description of Work	Rate	Unit
65	Supplying and Applying paint for road marking with Hot Applied Thermoplastic Compound with reflectorizing Glass Beads on Bituminous Surface on Smooth Surface(Similar to Asphalt concrete and rigid pavement) atleast 2mm thick with cleaning, watering and brooming etc all complete.	1,346.31	Per m2
66	Supplying and Applying paint for road marking with Hot Applied Thermoplastic Compound with reflectorizing Glass Beads on Bituminous Surface on Rough Surface(Similar to Surface dressing) atleast 2mm thick with cleaning, watering and brooming etc all complete.	2,303.15	per m2
67	डिस्टेम्पर लगाउने काम एक कोट ।	117.27	per m2
68	डिस्टेम्पर लगाउने काम दुई कोट ।	164.16	per m2
69	Strainless Steel		
i	2 inch dia (16 Gauge)	537	per m
ii	1.5 inch dia (16 Gauge)	392	per m
iii	1 inch dia (16 Gauge)	247	per m
70	Fall Ceiling	947.32	per m2
71	PVC Carpet	250	per m
72	Carpet	700	per m
73	Carpet Foam	210	Per m
74	Plastic Chair	1099	No
75	Hume Pipe NP3		
i.	300mm	4054.81	Rm
ii.	450 mm	5642.99	RM
iii.	600 mm	7414.17	RM
iv.	750 mm	9971.17	RM
v	900 mm	13879.1	RM
vi.	1000 mm	15548.09	RM
vii.	1200 mm	18576.98	RM

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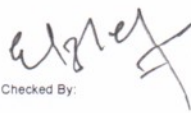
UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For USERS COMMITTEE

S.N.	Description of Work	Labour		Materials			Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit	Quantity			
I	Collection and supply of materials								
	Collection, breaking, screening, stacking and supply of aggregate within 10m for 1m3								
	a. 71 mm above							4369.86	per m3
	b. 41 mm - 70 mm							4959.86	per m3
	c. 21 mm - 40 mm							5054.86	per m3
	d. 11 mm - 20 mm							4959.86	per m3
	e. 5-10mm size							4959.86	per m3
A	Stone							1610.00	per m3
	One face								per m3
	Two face								per m3
	Six face								per m3
	For flooring (<1.5')							950.00	Per m2
	For flooring (>1.5')							1,200.00	Per m2
	For flooring (>1.5') machine dress							1,200.00	Per m2
	Jhingati Tiles							13.00	per pc
	Clay tiles							50.58	Per m2
	Porcelaine glazed tile							90.08	Per m2
	For Roofing							929.08	Per m2
B	Sand without screening							4,684.86	per m3
	Sand with screening							4,894.86	per m3
	River bed Gravel							1,691.34	per m3
	Capping layer Granular soil							942.14	per m3
	Cement							1,049.90	Per bag
	White cement							36.73	per kg
D	Skilled							1,200.00	Per md
	Un-skilled							930.00	Per md
	Semiskilled							930.00	Per md
E	Wood								
	Sal With transported from Manthali							181,515.62	per m3
	Local sal(Agrak) wood							172,872.00	per m3
	Local hard wood							67,631.76	per m3
	Local soft wood							34,256.88	per m3
	1" local wooden planks							538.00	Per m2
	Bamboo (20-30) ft long							230.00	per pcs
F	Mud								
	Kamero mato /Rato mato							692.30	per m3
	Soil for filling loose							453.30	per m3
	Soil for bond loose							697.30	per m3
	Rice husk (bhush)							1.55	per kg
	Cow dung (gobar)							2.20	per kg
G	Iron rod TMT								
	8 mm							103.00	per kg
	10 -25 mm							103.00	per kg
	Binding wire							124.95	per kg
	G.I Wire (heavy class)								
	8 Gauge							133.00	per kg
	10 Gauge							133.00	per kg
	12 Gauge							133.00	per kg
	CGI sheet (galvanised corrugated non coloured)				bnale				
H	Manthali								
	30 Gauge (0.24mm)							353.44	per sqm
	28 gauge (0.31mm)							431.35	per sqm
	26 Gauge (0.41mm)							550.80	per sqm
	24 Gauge (0.52mm)							724.72	per sqm
	Color CGI Sheet (galvanised corrugated)								
	Manthali								
	30 Gauge (0.24mm)							426.28	per sqm
	28 gauge (0.31mm)							508.01	per sqm
	26 Gauge (0.41mm)							637.44	per sqm
	24 Gauge (0.52mm)							788.89	per sqm
	Galvanized Plain CGI Sheet								
	Manthali								
	30 Gauge (0.24mm)							369.71	per sqm
	26 Gauge (0.41mm)							576.21	per sqm
	24 Gauge (0.52mm)							758.14	per sqm
	Ridge cover								
	30 Gauge (0.24mm)							215.33	RM
	26 Gauge (0.40mm)							288.48	RM
	KTM								
	30 Gauge (0.24mm)							215.33	RM
	26 Gauge (0.40mm)							288.48	RM
	J hook /U hook							110.00	per kg
	Bitumen Washer							3.26	per pcs
	Nut bolt							200.01	per kg
	Nut bolt 7mm							23.73	Per pcs
	Nail							8.00	per pcs
	Screw							3.00	per pcs
I	Barbed wire (Medium Class 14 Gauge)							132.00	per kg
	Mosquito proof mesh wire							115.80	per sqm

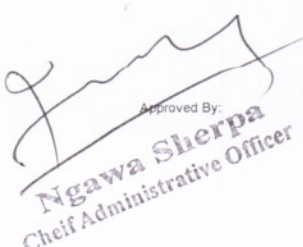
Prepared By:



Checked By:



Approved By:


Ngawa Sherpa
 Chief Administrative Officer

Government of Nepal
Umakunda Rural Municipality
Office of the Rural Municipal Executive
Preeti, Ramechhap
Bagmati Province, Nepal

**UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For USERS COMMITTEE**

S.N.	Description of Work	Labour		Materials			Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit	Quantity			
	Sand mesh wire							121.87	per sqm
	Chicken wire mesh							75.87	per sqm
J	Grill work							148.00	per kg with fixing
	Collapsible Gate							6511.40	per sq.m with fixing
	Rolling shutter (16-18 gauge)							5973.40	per sq.m with fixing
	18 gauge compound wall Gate							7738.04	per sq.m with fixing
K	Ply wood								
	4 mm (commercial)							400.56	per m2
	6 mm water proof							646.87	per m2
	8 mm (water proof)							721.63	per m2
	12 mm (water proof)							1030.14	per m2
L	Glass								
	Plain								
	3 mm							563.76	per m2
	4 mm							735.92	per m2
	5 mm							929.60	per m2
	6 mm							1091.00	per m2
M	Printed glass								
	3 mm							617.56	per m2
	4mm							735.92	per m2
N	White wash								
	Cement paint							25.00	per kg
	colour lime							72.00	per kg
	Enamel							42.00	per kg
	Primer (wooden)							502.00	per litre
	Aluminium paint							347.00	per litre
	plastic Emulsion Paint							475.00	per litre
O	Brick							507.00	per litre
	I class							33.13	per pc
	II class							26.81	per pc
	Mitha pak							19.81	per pc
	Machinemade I class							34.20	per pc
ii	Site Clearance								
	to level the surface etc								
	(including service cost etc) for 1m2	labour	0.01				930.00	10.70	12 29925
						Grand Total		10.70	per m2
	Top Soil Excavation								
	construction site for 1m2 20cm thick	labour	0.2				930.00	171.12	
						Grand Total		171.12	per m2
iii	Earthwork								
A	All Excavation								
	lead of 10 m a lift of 1.5 m in								
1	soft soil for 1 m3	labour	0.5	Tools & plants			930.00	465.00	
				3% of labour cost				13.95	
				Sub Total				478.95	
				Grand Total				478.95	
2	Soft rock per m3	labour	2.3	Tools & plants			930.00	2139.00	
				3% of labour cost				64.17	
				Sub-Total				2203.17	
				Grand Total				2203.17	
3	Medium rock	labour	4	Tools & plants			930.00	3720.00	
				3% of labour cost				111.60	
				Sub Total				3831.60	
				Grand Total				3831.60	
4	Hard rock	labour	19.6	Tools & plants			930.00	18181.50	
				3% of labour cost				545.45	
				Sub-Total				18726.95	
				Grand Total				18726.95	
5	Hard soil	labour	0.7	Tools & plants			930.00	641.70	
				3% of labour cost				19.25	
				Sub-Total				660.95	
				Grand Total				660.95	
B	Earthwork in excavation for trench								
	cutting including a								
	lead of 10 m a lift of 1.5 m in								
1	hard gravel boulder mixed soil for 1 m3	labour	1.8	Tools & plants			930.00	1700.51	
	(B.M.S.)			3% of labour cost				51.02	
				Sub-Total				1751.52	
				Grand Total				1751.52	per m3
2	lead of 10 m a lift of 1.5 m in								
	soft soil for 1 m3	labour	1.15	Tools & plants			930.00	1069.50	

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Approved By:

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UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
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Prepared By:

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 Chief Administrative Officer

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Preeti, Ramechhap
Bagmati Province, Nepal

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S.N.	Description of Work	Labour		Materials			Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit	Quantity			
E	Refilling of Pipeline trench including watering and ramming every 20 cm layers for 1 m ³	labour	0.6	T&P			930.00	558.00	if pumping is done then no need to
				3% of labour cost				16.74	
				Sub-Total				574.74	
				Grand Total				574.74	
	1 with gravel and boulder mixed soil	labour	0.5	T&P			930.00	465.00	per m ³
				3% of labour cost				13.95	
				Sub-Total				478.95	
				Grand Total				478.95	
IV	Stone soling per m ³	Skilled	2.4				1200.00	0.00	DOR 10.6
							930.00	2232.00	
				sand	m ³	0	4684.86	0.00	
				blockstone	m ³	1	1610.00	1610.00	
	2 with soft soil	labour	0.5	T&P			930.00	465.00	per m ³
				3% of labour cost				13.95	
				Sub-Total				478.95	
				Grand Total				478.95	
V	Dry stone wall per m ³	Skilled	2.9				1200.00	1200.00	DOR 26.1
							930.00	2656.40	
				blockstone	m ³	1.15	1610.00	1851.50	
				Sub-Total		0.1	1610.00	161.00	
	Stone Masonry Work	Un-skilled	2.6				1200.00	1800.00	DOR 26.3 B
							930.00	2804.00	
				cement	bag	2.48	1049.90	2603.76	
				sand	m ³	0.348	4684.86	1630.33	
	1a. in (1:4) cement mortar	Un-skilled	2.6				1200.00	1800.00	DOR 26.3 B
							930.00	2804.00	
				cement	bag	1.8	1049.90	1889.82	
				sand	m ³	0.416	4684.86	1948.90	
	b. in (1:6) cement mortar	Un-skilled	2.6				1200.00	1800.00	DOR 26.3 B
							930.00	2804.00	
				cement	bag	1.8	1049.90	1889.82	
				sand	m ³	0.416	4684.86	1948.90	
	c. in (1:3) cement mortar	Un-skilled	2.6				1200.00	1800.00	DOR 26.3 B
							930.00	2804.00	
				cement	bag	3.16	1049.90	3317.69	
				sand	m ³	0.326	4684.86	1527.26	
	2 stone masonry work including blockstone for 1m ³	Un-skilled	1.6				1200.00	960.00	DOR 26.1
							930.00	1488.00	
				blockstone	m ³	1	1610.00	1610.00	
				Sub-Total		0.1	1610.00	161.00	
	a. dry masonry	Un-skilled	1.6				1200.00	960.00	DOR 26.1
							930.00	1488.00	
				blockstone	m ³	1	1610.00	1610.00	
				Sub-Total		0.1	1610.00	161.00	
	b. mud mortar masonry	Un-skilled	2.4				1200.00	1440.00	DOR 26.1
							930.00	2232.00	
				blockstone	m ³	1.15	1610.00	1851.50	
				Sub-Total		0.1	1610.00	161.00	
	Plain Cement Concrete Work (For Building as per DUBBC)	Un-skilled	4				1200.00	1200.00	DUBBC
							930.00	3720.00	
				cement	bag	4.4	1049.90	4619.57	
				Sub-Total				5963.42	
VII	1 Cement concrete work in foundation wall for 1m ³	Un-skilled	4				1200.00	1200.00	DUBBC
							930.00	3720.00	
				cement	bag	4.4	1049.90	4619.57	
				Sub-Total				5963.42	

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S.N.	Description of Work	Labour		Materials		Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit			
				aggregates	m3	0.89	5054.88	4488.82
				40mm				
				coarse sand	m3	0.47	4684.86	2201.88
				Sub-Total				16240.27
				Grand Total				16240.27 per m3
b. P.C.C (1:2:4)		Skilled	1				1200.00	1200.00
							930.00	930.00
							1049.90	8719.37
				cement	bag	6.4		
				aggregates	m3			
				40mm		0.52	5054.88	2626.53
				20mm		0.22	4959.86	1091.17
				10mm		0.11	4959.86	545.58
				coarse sand	m3	0.445	4684.86	2084.76
				Sub-Total				17989.41
c. R.C.C (1:1.5:3)		Skilled	0.6				1200.00	960.00
							930.00	8510.00
							1049.90	8399.21
				cement	bag	8		
				aggregates	m3			
				20mm		0.57	4959.86	2827.12
				10mm		0.29	4959.86	1438.36
				coarse sand	m3	0.425	4684.86	1991.06
				Sub-Total				22125.75
				Grand Total				22125.75 per m3
VII 1	Plain Cement Concrete Work (For Road as per DOR) Cement concrete work in foundation wall for 1m3	Skilled	0.133333				1200.00	160.00
							930.00	1364.00
							1049.90	4829.55
				cement	bag	4.6		
				aggregates	m3			
				40mm		0.9	5054.88	4549.37
				coarse sand	m3	0.45	4684.86	2108.19
				Sub-Total				13011.10
				Grand Total				13011.10 per m3
b. P.C.C (1:2:4)		Skilled	0.2				1200.00	240.00
							930.00	1860.00
							1049.90	5781.48
				cement	bag	5.50688667		
				aggregates	m3			
				40mm		0.54	5054.88	2729.82
				20mm		0.27	4959.86	1339.16
				10mm		0.09	4959.86	446.39
				coarse sand	m3	0.45	4684.86	2108.19
				Sub-Total				14504.81
c. R.C.C (1:1.5:3)		Skilled	0.2				1200.00	240.00
							930.00	1860.00
							1049.90	8399.21
				cement	bag	8		
				aggregates	m3			
				20mm		0.72	4959.86	3571.10
				10mm		0.36	4959.86	1785.55
				coarse sand	m3	0.18	4684.86	843.27
				Sub-Total				16699.13
				Grand Total				16699.13 per m3
VIII 1	Form Work For floor and slab Plywood formworks with steel adjustable pipe props	skilled	0.3748				1200.00	449.76
							930.00	522.85
							34256.88	239.80
				Wood	m3	0.007		
				Nail	kg	0.25	8.00	2.00
				Sub-Total				1214.40
				Grand Total				1214.40 per m2
2	For column including materials, erection, nailing, removing with transportation upto 30m	skilled	0.3748				1200.00	449.76
							930.00	522.85
							34256.88	239.80
				Wood	m3	0.007		
				Nail	kg	0.25	8.00	2.00
				Sub-Total				1214.40
				Grand Total				1214.40 per m2
3	For beam (0.30 m) including materials and removing with transportation upto 30m	skilled	0.4				1200.00	480.00
							930.00	556.00
							34256.88	239.80
				Wood	m3	0.007		

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**UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For USERS COMMITTEE**

S.N.	Description of Work	Labour		Materials		Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit			
				Nail	kg	0.25	8.00	2.00
					Sub-Total			1279.80
					Grand Total			1279.80 per m2
	For beam (0.30'-0.18' 0m) including materials	skilled	0.287			1200.00	320.40	
	4 and removing with transpotation upto 30m	Un-skilled	0.4			930.00	372.00	
				Wood	m3	0.0526	34256.88	1801.91
				Nail	kg	0.25	8.00	2.00
					Sub-Total			2496.31
					Grand Total			2496.31 per m2
viii	Steel work for R.C.C.							DUBC-59
	Cutting, Bending, Centering and Binding	skilled	12			1200.00	14400.00	
	as per drawing and specification	unskilled	12			930.00	11160.00	
				MS Bar 8mm	kg	1050	103.00	108147.93
				Binding wire	kg	10.00	124.95	1249.54
					Sub-Total			134957.47
					Grand Total			134957.47
					Grand total			134.96 Per kg
ix	Plastering							DUBC-170
	1 12.5mm thick cement plaster for 1m2	skilled	0.12			1200.00	144.00	
	a. in 1:2 cement sand mortar	Un-skilled	0.16			930.00	148.80	
				cement	bag	0.18	1049.90	188.98
				sand	m3	0.0122	4894.86	59.72
					Sub-Total			541.50
					Grand Total			541.50 per m2
	b in 1:3 cement sand mortar	skilled	0.12			1200.00	144.00	DUBC-170
		Un-skilled	0.16			930.00	148.80	
				cement	bag	0.125	1049.90	131.24
				sand	m3	0.0128	4894.86	62.65
					Sub-Total			486.69
					Grand Total			486.69 per m2
	c in 1:4 cement sand mortar	skilled	0.12			1200.00	144.00	DUBC-170
		Un-skilled	0.16			930.00	148.80	
				cement	bag	0.107	1049.90	112.34
				sand	m3	0.0146	4894.86	71.46
					Sub-Total			476.60
					Grand Total			476.60 per m2
	d in 1:6 cement sand mortar	skilled	0.12			1200.00	144.00	DUBC-171
		Un-skilled	0.16			930.00	148.80	
				cement	bag	0.0764	1049.90	80.21
				sand	m3	0.0157	4894.86	76.85
					Sub-Total			449.86
					Grand Total			449.86 per m2
	2 20mm thick cement plaster for 1m2	skilled	0.14			1200.00	168.00	DUBC-174
	a. in 1:3 cement sand mortar	Un-skilled	0.19			930.00	176.70	
				cement	bag	0.192	1049.90	201.58
				sand	m3	0.0195	4894.86	95.45
					Sub-Total			641.73
					Grand Total			641.73 per m2
	b. in 1:4 cement sand mortar	skilled	0.14			1200.00	168.00	DUBC-175
		Un-skilled	0.19			930.00	176.70	
				cement	bag	0.162	1049.90	170.08
				sand	m3	0.022	4894.86	107.69
					Sub-Total			622.47
					Grand Total			622.47 per m2
	c. in 1:6 cement sand mortar	skilled	0.14			1200.00	168.00	DUBC-176
		Un-skilled	0.19			930.00	176.70	
				cement	bag	0.114	1049.90	119.89
				sand	m3	0.0235	4894.86	115.03
					Sub-Total			579.42
					Grand Total			579.42 per m2
	d 3 mm thick cement punning (10 sq.m)	skilled	1			1200.00	1200.00	
		Un-skilled	1			930.00	930.00	
				cement	kg	53.2	21.00	1117.10
					Sub-Total			3247.10
					Grand Total			3247.10 per 10 m2
								324.71 per m2

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For USERS COMMITTEE

S.N.	Description of Work	Labour		Materials			Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit	Quantity			
c.	12mm thick Mud plastering	skilled	15				1200.00	18000.00	DUBBC-178
		un-skilled	20				930.00	18600.00	
				soil (mato)	m3	1.5	692.30	1038.44	
				Rice husk (bhu)	kg	50	1.55	77.50	
				Cow dung (goba)	kg	60	2.20	132.00	
				Sub-Total				37847.94	
				Grand Total				37847.94	
								378.48	
X	Cement Pointing flush pointing in stone masonry wall for 1m2 in 1:3 cement sand mortar	skilled	0.1				1200.00	120.00	
		un-skilled	0.14				930.00	130.20	
				cement	bag	0.1000	1049.90	104.99	
				sand	m3	0.0063	4894.86	30.84	
				Sub-Total				386.00	
				Grand Total				386.00	
	3mm thick cement punning in 1:1 cement sand mortar for 1m2	skilled	0.1				1200.00	120.00	
		un-skilled	0.21				930.00	193.21	
				cement	bag	0.1224	1049.90	128.51	
				sand	m3	0.0043	4894.86	21.05	
				Sub-Total				462.77	
				Grand Total				462.77	
	3mm thick cement punning in 1:2 cement sand mortar for 1m2	skilled	0.1				1200.00	120.00	
		un-skilled	0.20				930.00	185.65	
				cement	bag	0.0816	1049.90	85.67	
				sand	m3	0.0057	4894.86	27.90	
				Sub-Total				419.22	
				Grand Total				419.22	
Xi	Barbed wire (per m)	skilled	0.0107				1200.00	12.84	DUBBC-285
		un-skilled	0.1088				930.00	101.17	
				barbed wire	kg	1.1	132.00	145.20	
				J hook	no	2	110.00	220.00	
				Sub-Total				479.21	
				Grand Total				479.21	
A	Barbed wire per RM (5' line horizontal & 2 line diagonal) on RCC post size (75*110*2200)mm at 3m c/c per m	skilled	0.0333				1200.00	39.96	
		un-skilled	0.0687				930.00	62.03	
				PCC (1:2:4)	m3	0.0073	17989.41	131.32	
				ms rod	kg	1.764	103.00	181.69	
				form work	m2	0.293	1214.40	355.82	
				binding wire	kg	0.1	124.95	12.50	
				Barbed wire	kg	11.1529623	132.00	1472.17	
				u hooks	no	10	110.00	1100.00	
				Sub-Total				3355.49	
				Grand Total				3355.49	
Xii	Painting 1 readymade enamel or plastic emulsion painting work for 1m2	skilled	0.03				1200.00	36.00	
		un-skilled	0.05				930.00	42.09	
				primer	ltr	0.081	347.00	28.11	
				Sub-Total				106.20	
				Grand Total				106.20	
	b. first coat	skilled	0.03				1200.00	36.00	
		un-skilled	0.02				930.00	18.60	
				enamel paint	ltr	0.090	502.00	45.18	
				Sub-Total				99.78	
				Grand Total				99.78	
	c. second coat	skilled	0.02				1200.00	24.00	
		un-skilled	0.03				930.00	27.90	
				enamel paint	ltr	0.09	502.00	45.18	
				Sub-Total				97.08	
				Grand Total				97.08	
	2 readymade plastic emulsion painting work for 1m2	skilled	0.03				1200.00	36.00	303.06
		un-skilled	0.03				930.00	27.90	
				primer	ltr	0.061	262.00	21.22	
				Sub-Total				85.12	
				Grand Total				85.12	

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For USERS COMMITTEE

S.N.	Description of Work	Labour		Materials		Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit			
					Sub-Total		85.12	
					Grand Total		12.77	
							97.89	per m ²
b.	first coat	skilled	0.03					
		Un-skilled	0.02			1200.00	36.00	
				Plastic Emulsion	ltr	930.00	18.60	
					0.09	507.00	45.83	
					Sub-Total		100.23	
					Grand Total		100.23	per m ²
c.	second coat	skilled	0.02			1200.00	24.00	
		Un-skilled	0.03			930.00	27.90	
				Plastic Emulsion	ltr	507.00	35.49	187.62
					0.07		87.39	
					Sub-Total			
					Grand Total		87.39	per m ²
3	snowcem painting over plastered surface for 1m ² cement painting on plastered face and applying paint over first and second coats	painter	0.07			1200.00	84.00	
		Un-skilled	0.100099			930.00	93.09	
				snowcem	kg	72.00	36.00	
					0.5		213.09	
					Sub-Total			
					Grand Total		213.09	per m ²
	NONCOLOUR C.G.I. Sheet roofing including collection of materials for 1 m ² (.52mm)	skilled labour	0.11			1200.00	132.00	DUBC-72
			0.125			930.00	116.25	
				C.G.I. Sheet	m ²			
				22-24				
				SWG	m ²	1.5	724.72	1087.08
				Boils & nuts				
				8mm		3	23.73	71.19
				J hook	No	2.5	110.00	275.00
				Bitumen				
				Washer	No	5.5	3.26	17.95
					Sub-Total		1699.47	
					Grand Total		1699.47	per m ²
XIV	C.G.I. Sheet roofing including collection of materials for 1 m ² (.41mm)	skilled labour	0.11			1200.00	132.00	DUBC-72
			0.125			930.00	116.25	
				C.G.I. Sheet	m ²			
				26				
				SWG	m ²	1.5	550.80	832.33
				Boils & nuts				
				8mm		3	23.73	71.19
				J hook	No	2.5	110.00	275.00
				Bitumen				
				Washer	No	5.5	3.26	17.95
					Sub-Total		1444.72	
					Grand Total		1444.72	per m ²
	COLOUR C.G.I. Sheet roofing including collection of materials for 1 m ² (.52mm)	skilled labour	0.11			1200.00	132.00	DUBC-72
			0.125			930.00	116.25	
				C.G.I. Sheet	m ²			
				22-24				
				SWG	m ²	1.47100427	788.89	1160.46
				Boils & nuts				
				8mm		3	23.73	71.19
				J hook	No	2.5	110.00	275.00
				Bitumen				
				Washer	No	5.5	3.26	17.95
					Sub-Total		1772.85	
					Grand Total		1772.85	per m ²
XIV	C.G.I. Sheet roofing including collection of materials for 1 m ² (.41mm)	skilled labour	0.11			1200.00	132.00	DUBC-72
			0.125			930.00	116.25	
				C.G.I. Sheet	m ²			
				26				
				SWG	m ²	1.49	637.44	951.11
				Boils & nuts				
				8mm		3	23.73	71.19
				J hook	No	2.5	110.00	275.00
				Bitumen				
				Washer	No	5.5	3.26	17.95
					Sub-Total		1563.50	
					Grand Total		1563.50	per m ²
XV	C.G.I. Sheet roofing including collection of materials for 1 m ² (.31mm)	skilled labour	0.11			1200.00	132.00	DUBC-72
			0.125			930.00	116.25	
				C.G.I. Sheet	m ²			
				26				
				SWG	m ²	1.49	508.01	758.00

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UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For USERS COMMITTEE

S.N.	Description of Work	Labour		Materials		Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit			
				Bolts & nuts				
				8mm		23.73	71.19	
				J hook	No.	2.5	275.00	
				Bitumen				
				Washer	No.	5.5	17.95	
				Sub-Total		3.26	1370.38	
				Grand Total			1370.38	per m2
XVIII	a) Brick work (1:3) per m3 (Machine made class) for ground floor	Skilled Labour	1.5	brick	no	530	1800.00	dudbc-23
		Unskilled Labour	2.2	cement	bag	2.6	930.00	
			0.2	sand	m3	0.27	2046.00	
				Sub-Total		4894.86	186.00	
				Grand Total			18127.74	
				Sub-Total			2726.74	
				Grand Total			1321.61	
				Grand Total			26211.09	per m3
	ii above ground floor	Skilled Labour	1.5	brick	no	530	1800.00	dudbc-24
		Unskilled Labour	2.2	cement	bag	2.6	930.00	
			0.2	sand	m3	0.27	2046.00	
				Sub-Total		4894.86	251.10	
				Grand Total			18127.74	
				Sub-Total			2726.74	
				Grand Total			1321.61	
				Grand Total			26283.72	per m3
	b) Brick work in (1:4) per m3 (Machine made) for ground floor	Skilled Labour	1.5	brick	no	530	1800.00	dudbc-25
		Unskilled Labour	2.2	cement	bag	2	930.00	
			0.2	sand	m3	0.27	2046.00	
				Sub-Total		4894.86	186.00	
				Grand Total			18127.74	
				Sub-Total			2099.80	
				Grand Total			1321.61	
				Grand Total			25581.15	per m3
	ii above ground floor	Skilled Labour	1.5	brick	no	530	1800.00	
		Unskilled Labour	2.2	cement	bag	2	930.00	
			0.2	sand	m3	0.27	2046.00	
				Sub-Total		4894.86	651.00	
				Grand Total			18127.74	
				Sub-Total			2099.80	
				Grand Total			1321.61	
				Grand Total			26065.68	per m3
	c) Brick work in (1:5) per m3 (Machine made) for ground floor	Skilled Labour	1.5	brick	no	530	1800.00	
		Unskilled Labour	2.2	cement	bag	1.8	930.00	
			0.2	sand	m3	0.31	2046.00	
				Sub-Total		4894.86	186.00	
				Grand Total			18127.74	
				Sub-Total			1889.82	
				Grand Total			1517.41	
				Grand Total			25566.96	per m3
	ii above ground floor	Skilled Labour	1.5	brick	no	548	1800.00	
		Unskilled Labour	2.2	cement	bag	1.8	930.00	
			0.2	sand	m3	0.31	2046.00	
				Sub-Total		4894.86	651.00	
				Grand Total			18741.03	
				Sub-Total			1889.82	
				Grand Total			1517.41	
				Grand Total			26664.79	per m3
	d) Brick work (1:6) per m3 (Machine made) for ground floor	Skilled Labour	1.5	brick	no	544	1800.00	dudbc-27
		Unskilled Labour	2.2	cement	bag	1.4	930.00	
			0.2	sand	m3	0.3	2046.00	
				Sub-Total		4894.86	186.00	
				Grand Total			18599.74	
				Sub-Total			1468.46	
				Grand Total			25570.06	per m3
	ii above ground floor	Skilled Labour	1.5	brick	no	544	1800.00	dudbc-28
		Unskilled Labour	2.2	cement	bag	1.4	930.00	
			0.2	sand	m3	0.3	2046.00	
				Sub-Total		4894.86	186.00	
				Grand Total			18599.74	
				Sub-Total			1468.46	
				Grand Total			25570.06	per m3

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For USERS COMMITTEE

S.N.	Description of Work	Labour		Materials			Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit	Quantity			
				brick	no	548	34.20	18865.27	
				cement	bag	1.4	1049.90	1469.86	
				sand	m3	0.3	4894.86	1468.46	
				Khat3%of labour		0.021	930.00	19.53	
				Sub-Total				26120.12	
				Grand Total				26120.12	per m3
XIX	a) Brick work (1:3) per m3 (Chimney made I class)								
	ii for ground floor	Skilled	1.5				1200.00	1800.00	dudbc-29
		Unskilled	2.2				930.00	2046.00	
		Labour	0.2				930.00	186.00	
				brick	no	560	33.13	18554.63	
				cement	bag	2.6	1049.90	2729.74	
				sand	m3	0.27	4894.86	1321.61	
				Khat3%of labour		0.021	930.00	19.53	
				Sub-Total				26637.99	
				Grand Total				26637.99	per m3
	ii above ground floor	Skilled	1.5				1200.00	1800.00	dudbc-30
		Unskilled	2.2				930.00	2046.00	
		Labour	0.7				930.00	651.00	
				brick	no	560	33.13	18554.63	
				cement	bag	2.6	1049.90	2729.74	
				sand	m3	0.27	4894.86	1321.61	
				Khat3%of labour		0.021	930.00	19.53	
				Sub-Total				27122.52	
				Grand Total				27122.52	per m3
	b) Brick work (1:4) per m3 for ground floor	Skilled	1.5				1200.00	1800.00	dudbc-31
		Unskilled	2.2				930.00	2046.00	
		Labour	0.2				930.00	186.00	
				brick	no	559	33.13	18528.80	
				cement	bag	2	1049.90	2099.80	
				sand	m3	0.28	4894.86	1370.56	
				Khat3%of labour		0.021	930.00	19.53	
				Sub-Total				26030.96	
				Grand Total				26030.96	per m3
	above ground floor (1:4)	Skilled	1.5				1200.00	1800.00	dudbc-32
		Unskilled	2.2				930.00	2046.00	
		Labour	0.7				930.00	651.00	
				brick	no	561	33.13	18594.19	
				cement	bag	2	1049.90	2099.80	
				sand	m3	0.28	4894.86	1370.56	
				Khat3%of labour		0.021	930.00	19.53	
				Sub-Total				26581.08	
				Grand Total				26581.08	per m3
	c) Brick work (1:6) per m3 for ground floor	Skilled	1.5				1200.00	1800.00	dudbc-33
		Unskilled	2.2				930.00	2046.00	
		Labour	0.2				930.00	186.00	
				brick	no	560	33.13	18554.63	
				cement	bag	1.4	1049.90	1469.86	
				sand	m3	0.3	4894.86	1468.46	
				Sub-Total				25524.95	
				Grand Total				25524.95	per m3
	above ground floor 1:6	Skilled	1.5				1200.00	1800.00	
		Unskilled	2.2				930.00	2046.00	
		Labour	0.7				930.00	651.00	
				brick	no	560	33.13	18554.63	
				cement	bag	1.4	1049.90	1469.86	
				sand	m3	0.3	4894.86	1468.46	
				Khat3%of labour		0.021	930.00	19.53	
				Sub-Total				26009.48	
				Grand Total				26009.48	per m3
XXIV	Roofing work by slate for 10 m2	skill	4				1200.00	4800.00	dudbc-83
		Unskill	1				930.00	4650.00	
				1" slate	m2	24	929.08	22298.01	
				nails	kg	LS	8.00	40.00	
				Sub-Total				31788.01	
				Grand Total				31788.01	per 10 sq.m.
XXV	Roofing work by clay tile for 10 m2	skill	0.5				1200.00	600.00	dudbc-84
	8-3/4"x4"	Unskill	1.5				930.00	1395.00	
				clay tile	m2	520	50.58	26303.63	
				Sub-Total				28298.63	
				Grand Total				28298.63	per 10 sq.m.
								2829.86	per sq.m.

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UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For USERS COMMITTEE

S.N.	Description of Work	Labour		Materials		Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit	Quantity		
XXIII	Porcelain glazed Tile 12"x 8" over a 20 mm 1:4 CM	Skilled	13				1200.00	15600.00
		Unskilled	4.5				930.00	4185.00
				Porcelaine glazed tile	sq.m	11	90.08	990.92
				cement	bag	1.12	1049.90	1175.89
				sand	m3	0.152	4894.86	744.02
				white cement	kg	3.226	36.73	118.56
				Sub-Total				22814.39
				Grand Total				22814.39
XXIV	Dismantling Work							per 10 sq.m
1	Dismantling of Coursed Rubble Stone masonry work with mud mortar and lead up to 10 m from site	Unskilled	1.06				930.00	985.80
				3% of labour c				29.57
				Sub-Total				1015.37
				Grand Total				1015.37
2	Dismantling of Coursed Rubble Stone masonry work with cement mortar and lead up to 10 m from site	Unskilled	2.12				930.00	1971.60
				3% of labour c				59.15
				Sub-Total				2030.75
				Grand Total				2030.75
3	Dismantling of RCC/PCC work and lead up to 10 m from site	Unskilled	11				930.00	10230.00
				3% of labour c				306.90
				Sub-Total				10536.90
				Grand Total				10536.90
XXV	Fixing of wooden Ceiling							per m3
		Skilled	1.6				1200.00	2160.00
		Unskilled	1.5				930.00	1395.00
		Wooden Plank	0.26		m3		67.631.76	17,584.26
		Nail	0.4		kg		8.00	3.20
		Screw	160		no		3.00	480.00
				Sub-Total				21,622.46
				Grand Total				21622.46
								per 10 m2
								2162.25

XXVI	Jhigati Roofing	Skilled	0.5				1200.00	600.00
		Unskilled	0.5				930.00	465.00
		Tiles	350		no		13.00	4,550.00
					Grand Total			5615.00
								per 10 m2
								561.50

XXVII METAL TRUSS WORK

S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
1	Providing & fixing of MS truss with one coat red oxide					Unit: 18.94 kg
A. Labour						
	Skilled	md	0.687	1200.00	824.40	
	Unskilled	md	0.781	930.00	726.33	
B. Material						
	all types of black pipes making and fixing	kg	18.94	95.00	1799.26	
	primer paint	LS			110.00	
C. Equipment						
	a 3% of (A)	LS			46.52	
D.						
E.						
	Subtotal (A+B+C)				3506.51	
	Total (D+E)				3506.51	
	Rate per 1 kg				185.14	

२५ मी.मी.-३७५ मी.मी. बाक्लो छान्ने ढुगा (फ्लैगस्टोन) १:४ सिमेन्ट बालुवामा छान्ने काम ।						
H9	दर विवरण १० व मि को भएको छ					
	स्रोत साधन	मह. क्रियम	परिमाण	एकाइ	दर प्रति एकाइ	रकम
	धर्मिक	क) सिपानु	२.००	जवान	१२००.००	२४००.००
		ख) ज्यामी	४.५०	जवान	९३०.००	४१८५.००
	निर्माण सामग्री	३७५ मी.मी. ढुगा	११.००	ब.मी	९४०.००	१०३४०.००
		सिमेन्ट	०.०६०	मेट	२०९९८.०३	१२४९.८८
		बालुवा खोलाको	०.१६५	घ.मी	४८९४.८६	८०७.६५
	दर प्रति व.मी.का				बास्तबिक दर प्रति	१२४९७.५३
						१९९०२.५३

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**UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For USERS COMMITTEE**

S.N.	Description of Work	Labour		Materials		Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit	Quantity		

१०	१२५ मी.मी. बाक्लो ठाडो ईटा सोलिङ्ग गरी जोर्नीमा बालुवाले भने तया जोर्नीको माथि तल्लो भागमा १:३ सिमेन्ट बालुवाको मसलको फलश टिप्कार गर्ने काम । दर विश्लेषण १० व मि को भएको छ							
H 17	खोल साधन	लक्ष/किमि	परिमाण	एकाइ	दर प्रति एकाइ	रकम	प्रत्येक खोल साधनको जम्मा	
	धमिक	क) सिपायु	२.००	जवान	१२००.००	२४००.००		
		ख) ज्यामी	४.००	जवान	९३०.००	३७२०.००	६१२०.००	
	निर्माण सामग्री	सिमेन्ट	०.०२	मे ट	२०९९.८०३	४१९.९६		
		ईटा	३४०.००	गोटा	३३.१३	२४८४९.९४		
		बालुवा खोलाको	०.१०	घ.मी	४८९४.८६	४८९.४८	२४३४९.३९	
	दर प्रति व मा का				बालनबिक दररेट		३९८७९.३९	३९८७९.३९
	३९८७९.३९							
१०								

१०	४० मी.मी. बाक्लो छान्ने ढुगा (फ्लैगस्टोन) १:४ सिमेन्ट बालुवा मसलामा लगाउने । दर विश्लेषण १० व मि को भएको छ							
H 7	खोल साधन	लक्ष/किमि	परिमाण	एकाइ	दर प्रति एकाइ	रकम	प्रत्येक खोल साधनको जम्मा	
	धमिक	क) सिपायु	२.००	जवान	१२००.००	२४००.००		
		ख) ज्यामी	४.४०	जवान	९३०.००	४१८४.००	६५८४.००	
	निर्माण सामग्री	सिमेन्ट	०.०६३	मे ट	२०९९.८०३	१३२२.८३		
		बालुवा खोलाको	०.१३९	घ.मी	४८९४.८६	८३३.०२		
		४० मी.मी. ढुगा	११.००	ब.मी	१२००.००	१३२००.००	१४३४९.८९	
	दर प्रति व मा का				बालनबिक दररेट		२९९४४.८९	२९९४४.८९
	२९९४४.८९							
१०								

Work: Plum Concrete Work (M१४,१:२:४)
Analyzed for: १m

Norms no.	Description	Unit	Input	Rate NRs.	Amount NRs.	Tools/Equipment
41-A-b	A. Labors					Iron pan, vibrator/ iron rods, bucket, shovel, wooden tampers, trowels
	Skilled	no.	0.75	1200.00	900.00	
	Unskilled	no.	3.56	930.00	3310.80	
	Sub-total A.				4210.80	
	B. Materials					
	Sand	m ³	0.26	4894.86	1292.24	
	40 % Boulder	m ³	0.64	1610.00	1030.40	
	Aggregates					
	-40mm	m ³	0.31	5054.86	1577.12	
	-20mm	m ³	0.13	4959.86	654.70	
	-10mm	m ³	0.07	4959.86	327.35	
	Cement	MT	0.19	20998.03	4031.62	
	Sub-total B.				8913.43	
	Grand-Total A+B				13,124.23	

Clause no. 17-2, 17-5, 17-6 (DoR Norms)
Work: Loosing and re-compacting at sub-grade level including breaking of clods, spreading in layers, watering and compacting.
Analyzed for: 1m³

Norms no.	Description	Unit	Input	Rate NRs.	Amount NRs.	Tools/Equipment
6 (a)	A. Labors					Baskets, Hammers, Iron Rods
	Skilled	no.	0.01	1200.00	12.00	
	Unskilled	no.	0.10	930.00	93.00	
	Sub-total A.				105.00	
	B. Materials					
	Suitable material	m ³	1.10	1691.34	1860.48	
	Diesel	ltr	0.12	100.00	12.20	
	Water	ltr	100.00	2.00	200.00	
	Roller (8-10t)	hr	0.02	700.00	11.90	
	Grader (75HP)	hr	0.0020	1200.00	2.40	
	Sub-total B.				2086.98	
	Grand-Total A+B				2,191.98	

Clause no.—3-1 (DoR Norms)
Work: Supplying, Laying and compaction of gravel material.
Analyzed for: 1 m³

Norms no.	Description	Unit	Input	Rate NRs.	Amount NRs.	Tools/Equipment
	A. Labors					

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**UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For USERS COMMITTEE**

S.N.	Description of Work	Labour		Materials		Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit			
13, 26	skilled	no.	0.005		1200.00	6.00		
	Unskilled	no.	0.040		930.00	37.20		
	Sub-Total					43.20		
	Equipment/Material							
	(8-10T) Plane Roller	Hrs.	0.022		700.00	15.40		
	Grader	Hrs.	0.022		1200.00	26.40		
	Loader	Hrs.	0.011		1000.00	11.00		
	Water browser	Hrs.	0.038		500.00	19.00		
	Gravel/Sub-base	m3	1.28		1691.34	2164.92		
	Diesel	ltr	0.792		100.00	79.20		
	Sub-Total					2315.92		
	Total					2359.12		

* Dor's Hourly Equipment Hire Rate-2072-073 (DoR Code No.094)

** Adopted Fuel Consumption Per hour: 7 liters

Clause no.—15.4 (DoLIDAR Norms) For Hume Pipe.

Work: Preparation of bedding for pipe with granular material.

Analyzed for: 1 m3

Norms no.	Description	Unit	Input	Rate NRs.	Amount NRs.	Tools/Equipment
46, 15.4	A. Labors					
	skilled	no.	0.00	1200.00	0.00	
	Unskilled	no.	2.00	930.00	1860.00	
	Sub-Total				1860.00	
	Equipment/Material					
	Water	Ltrs	100	2.00	200.00	
	Royalties	m3	1.1	70.63	77.69	
	Tools and Plants 3% of labour cost				55.80	
	Sub-Total				333.49	
	Total				2193.49	

Clause no. 1003(DoR Norms)

Work: Subgrade construction and preparation of formation in cutting (other than rock excavation) including disposal of material upto 10m.

Analyzed for: 1m3

Norms no.	Description	Unit	Input	Rate NRs.	Amount NRs.	Tools/Equipment
10.01	A. Labors					
	Skilled	no.	0.01	1200.00	12.00	
	Unskilled	no.	0.10	930.00	93.00	
	Sub-total A.				105.00	
	B. Materials					
	Suitable material	m3		1691.34	0.00	
	Diesel	ltr	0.12	100.00	12.20	
	Water	ltr	100.00	2.00	200.00	
	Roller (8-10t)	hr	0.02	700.00	11.90	
	Grader (75HP)	hr	0.0010	1200.00	1.20	
	Sub-total B.				225.30	
	Grand-Total A+B				330.30	

मालसामान उपलब्ध गरी ०.२४ मी मी रंगीन जी आई शीटको धुरी बनाई							
1	जहान गर्ने काम पूरा ।						
F6	दर विश्लेषण १० व मि को भएको छ						
	श्रम साधन	तह/विशेष	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक श्रम साधनको जम्मा
	श्रमिक	क। विपानु	2.00	M/D	1200.00	2400.00	
		ख। ज्यामी	3.00	M/D	930.00	2790.00	5190.00
	निर्माण सामग्री	०.२४ रंगीन शीट	12.00	SQM	215.33	2583.92	
		आवश्यक नट बोल्ट	1	LS		70.00	2653.92
	दर प्रति र मी को	=			वास्तविक दररेट		7843.92
	7843.92	=	* 784.39	रु			
	10.00	=			जम्मा दर रेट		7.843.92
	7843.92	=	* 1307.32	रु			
	6.00	=					

मालसामान उपलब्ध गरी ०.३१ मी मी रंगीन जी आई शीटको धुरी बनाई							
2	जहान गर्ने काम पूरा ।						
F4	दर विश्लेषण १० र मि को भएको छ						
	श्रम साधन	तह/विशेष	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक श्रम साधनको जम्मा
	श्रमिक	क। विपानु	2.00	M/D	1200.00	2400.00	
		ख। ज्यामी	3.00	M/D	930.00	2790.00	5190.00
	निर्माण सामग्री	०.३१ रंगीन शीट	12.00	SQM	228.70	2744.38	
		आवश्यक नट बोल्ट	1	LS		70.00	2814.38
	दर प्रति र मी को	=			वास्तविक दररेट		8004.38
	8004.38	=	* 800.43	रु			
	10.00	=			जम्मा दर रेट		8004.38
	8004.38	=	* 1334.06	रु			
	6.00	=					

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For USERS COMMITTEE**

FOR USERS COMMITTEE								
S.N.	Description of Work	Labour		Materials		Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit			
	मालसामान उपलब्ध गरी ०.४९ मी मी रंगिन जी आई शीटको धुरी बनाई							
1	जडान गर्ने काम पूरा ।							
F6	दर विश्लेषण १० व मि को भएको छ							
	स्रोत साधन	तह/क्रिमि	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक स्रोत साधनको जम्मा	
	अधिक	क) विचानु	2.00	M/D	1200.00	2400.00		
		ख) ज्यामी	3.00	M/D	930.00	2790.00	5190.00	
	निर्माण सामग्री	०.४९ रंगिन शीट	12.00	SQM	288.48	3461.81		
	आवश्यक नट बोल्ट	1		LS	-	70.00		3531.81
	दर प्रति र मी को	=			वास्तविक दररेट			8721.81
	8721.81		रु. 872.18	रु.				
	10.00				जम्मा दर रेट			8,721.81
	8721.81		रु. 1453.63	रु.				
	6.00							

2	मालसामान उपलब्ध गरी ०.४९ मी.मी. रंगिन जी आई शीटको धुरी बनाई							
F4	जडान गर्ने काम पूरा । दर विश्लेषण १० व मि को भएको छ							
	स्रोत साधन	तह/क्रिमि	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक स्रोत साधनको जम्मा	
	अधिक	क) विचानु	2.00	M/D	1200.00	2400.00		
		ख) ज्यामी	3.00	M/D	930.00	2790.00	5190.00	
	निर्माण सामग्री	०.४९ रंगिन शीट	12.00	SQM	348.30	4179.63		
	आवश्यक नट बोल्ट	1		LS	-	70.00		4249.63
	दर प्रति र मी को	=			वास्तविक दररेट			9439.63
	9439.63		रु.	943.96	रु.			
	10.00				जम्मा दर रेट			9439.63
	9439.63		रु.	1573.27	रु.			
	6.00							

1	फलामे गिल बनाई खाक्सी लगाई रेडअक्साइड पेन्ट समेत गरी जोड्ने दर विश्लेषण १० व मि को भएको छ							
	स्रोत साधन	तह/क्रिमि	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक स्रोत साधनको जम्मा	
	निर्माण सामग्री	फलामे गिल बनाई	10.00	के.जी.	148.00	1479.98		
		जोड्ने					1479.98	
	दर प्रति के.जी. को				वास्तविक दररेट			1479.98
	1479.98		= रु.	147.99	रु.	१५% टेकेदार जोड्ने		
	10				जम्मा दर रेट			1479.98
2	४.५ X २० मी.मी. फलामे गिल बनाई खाक्सी लगाई रेडअक्साइड पेन्ट समेत गरी जोड्ने दर विश्लेषण १० व मि को भएको छ							
M 2	स्रोत साधन	तह/क्रिमि	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक स्रोत साधनको जम्मा	
	निर्माण सामग्री	४.५ X २० मी.मी. फलामे गिल बनाई जोड्ने	10.00	व.मी.	3053.00	30530.00		(per cum: 21.5 kg)
							30530.00	
	दर प्रति व.मी. को				वास्तविक दररेट			30530.00
	30530.00		= रु.	3053.00	रु.	जम्मा दर रेट		30530.00
	10							

नोट : १ व.मी. = २१.५० के.जी. लिएको ।

1	३ X २० मी.मी. फलामे गिल बनाई खाक्सी लगाई रेडअक्साइड पेन्ट समेत गरी जोड्ने दर विश्लेषण १० व मि को भएको छ							
M 1	स्रोत साधन	तह/क्रिमि	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक स्रोत साधनको जम्मा	
	निर्माण सामग्री	३ X २० मी.मी. फलामे गिल बनाई जोड्ने	10.00	व.मी.	2388.88	23886.88		(per cum: 16.14 kg)
							23886.88	
	दर प्रति व.मी. को				वास्तविक दररेट			23886.88
	23886.88		= रु.	2388.88	रु.	जम्मा दर रेट		23886.88
	10							
नोट: १.०० व.मी. = १६.१४ के.जी.								
2	४.५ X २० मी.मी. फलामे पाताको फ्रेममा १२ X १२ मी.मी. सोलिड कोर स्क्वायर रडको गिल बनाई खाक्सी लगाई रेडअक्साइड तथा अल्मिनियम दर विश्लेषण १० व मि को भएको छ							
M 3								

Prepared By:

Checked By:

Approved:
Ngawa Sherpa
Chief Administrative Officer

UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For USERS COMMITTEE

S.N.	Description of Work	Labour		Materials		Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit			
	खेत साधन	तह/किमिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक खेत साधनको जम्मा	
	धर्मिक	का/सिपाय	0.700	जवान	1200.00	840.00		
		ख/ज्यामी	0.80	जवान	930.00	558.00	1398.00	1398.00
	निर्माण सामग्री	४.५ X २० मी.मी फलामे पत्ती	28.24	के.जी	148.00	4179.48		4722.79
		१२ X १२ मी.मी सोलिड कोर स्क्वायर रडको	215.00	के.जी	118.65	25509.27		28825.48
		पिल बनाई जोड्ने					29688.73	34946.26
	दर प्रति व.मी.को				बास्तबिक दररेट		31086.73	3494.63
	31086.73				१५% टेकेहार ओभरलेड			
	10	= रु	3108.67	६	जम्मा दर रेट		31086.73	
नोट : १ व.मी. = २१.२० के.जी लिएको ।								
3	विभिन्न साईजको फलामे एडल फेब्रिकेशन गरी प्राइमर पेन्ट सहित गर्ने काम ।							
M 4	दर विश्लेषण १८९४ के.जी को भएको छ ।							
	खेत साधन	तह/किमिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक खेत साधनको जम्मा	
	धर्मिक	सिपाय	0.687	जवान	1200.00	824.40		824.40
		ज्यामी	0.781	जवान	930.00	728.33	1550.73	726.33
	निर्माण सामग्री	सबै प्रकारको						
		फलामे एडल	18.940	के.जी	113.00	2140.17		2140.18
		प्राइमर पेन्ट	-	अन्दाजी		110.00	2250.17	110.00
	दर प्रति के.जी.को				बास्तबिक दररेट		3800.90	3800.91
	3800.90	= रु	200.68	६	जम्मा दर रेट		3800.90	200.68
	18.94							

4	फलामे घुम्ने भन्याङ्ग : ४"-६" Ø सम्मको मध्यम श्रेणीको कालो पाईप पोष्ट प्रयोग गरी							
M 5	३/४" X ३/४" को स्क्वायर पाईप मा १" / ४" Ø को मध्यम श्रेणीको कालो पाईपको ह्याण्डरेल प्रयोग गरी २'-०" देखि २'-६" चौडाईसम्मको फलामे घुम्ने भन्याङ्ग आवश्यक सामग्रीहरु सहित							
	३ मिटर जम्माजस्त को लागी							
	खेत साधन	तह/किमिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक खेत साधनको जम्मा	
	निर्माण सामग्री	फलामे घुम्ने भन्याङ्ग	1.00	र.मी.	9941.68	9941.68		9941.68
	(ज्याला सहित)						9941.68	
	दर प्रति र.मी.को				बास्तबिक दररेट		9941.68	
	9941.68	= रु	9941.68	६	जम्मा दर रेट		9941.68	
	1.00							

5	फलामे रोलिङ सटर बनाई जडान गर्ने पेन्टिङ र ज्याला समेत ।							
M 6	दर विश्लेषण ९.३ व.मि को भएको छ ।							
	खेत साधन	तह/किमिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक खेत साधनको जम्मा	
	निर्माण सामग्री	सटर	10.00	व.मी.	5973.40	59734.00		59734.00
	दर प्रति व.मी.को				बास्तबिक दररेट		59734.00	
	59734.00	= रु	5973.40	६	जम्मा दर रेट		59734.00	
	10							
(नोट: १५-१८ गेजको स्टीप प्रयोग गर्ने गरी हिसाब गरिएको)								

6	फलामे कोलाप्सीबल गेट पेन्टिङ र जडान समेत गर्ने ।							
M 7	दर विश्लेषण १० व.मि को भएको छ ।							
	खेत साधन	तह/किमिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक खेत साधनको जम्मा	
	निर्माण सामग्री	फलामे गेट	10.00	व.मी.	6511.40	65114.00		65114.00
	दर प्रति व.मी.को				बास्तबिक दररेट		65114.00	
	65114.00	= रु	6511.40	६	जम्मा दर रेट		65114.00	
	10							
7	फलामे गेट १६ गेज (४०X४०X४ मी.मी.को फ्रेम सहित) बनाई जोड्ने रेड अक्साइड पेन्टिङ र ज्याला समेत ।							
M 8	दर विश्लेषण १० के.जी को भएको छ ।							
	खेत साधन	तह/किमिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक खेत साधनको जम्मा	
	निर्माण सामग्री	फलामे गेट	10.00	व.मी.	7738.04	77380.40		77380.40
	दर प्रति व.मी.को				बास्तबिक दररेट		77380.40	
	77380.40	= रु	7738.04	६	जम्मा दर रेट		77380.40	
	10							

7725.78

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Bagmati Province, Nepal

**UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For USERS COMMITTEE**

FOR USERS COMMITTEE									
S.N.	Description of Work	Labour		Materials			Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit	Quantity			
8	जि.आई काइतार (बार वेड वायर) लगाउने ।								
M 9	दर विश्लेषण १०० र मि को भएको छ								
	स्रोत साधन	तह/किसिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक स्रोत साधनको जम्मा		
	श्रमिक	सिपायु	1.076	सख्या	1200.00	1291.20			
		ज्यामी	5.38	सख्या	930.00	5003.40	6294.60		
	निर्माण सामग्री	जि.आई काइतार (बारवेड वायर)	110.00	मि	25.00	2750.00		(1kg =4 meter) for 12 guage barbed wire	
		किला हुक आदि	0.00	अनुमानित	-	185.00	2935.00		
	दर प्रति र मि को				वास्तविक दररेट		9229.60		
	9229.60								
	100	= रु	92.29	रु	जम्मा दर रेट		9229.60		

9	३ मिटर दूरीमा खम्बा गाडि ५ तह तथा २ बटा डायगोनल काठेतार लगाउने काम ।							
M 10	७५ मी मी X १०० मी मी X २.९ मी लामो सालकाठको खम्बा प्रयोग गर्ने ।							
	दर विश्लेषण ३० र मि को भएको छ							
	स्रोत साधन	तह/किसिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक स्रोत साधनको जम्मा	
	श्रमिक	सिपायु	1.00	सख्या	1200.00	1200.00		
		ज्यामी	2.00	सख्या	930.00	1860.00	3060.00	
	निर्माण सामग्री	सालको काठ	0.19	घ.मी	172872.00	32845.68		
		काठेतार	250.00	मी	25.00	6250.00		
		पु.हुक	77.00	सख्या	3.18	245.18	39340.86	
	दर प्रति र मि को				वास्तविक दररेट		42400.86	3.184210526
	42400.86							
	30	= रु	1413.36	रु	जम्मा दर रेट		42400.86	

नोट : १ के जी काठेतारमा १० र मि हुने किस्म गरिएको ।

10								
M 11	कालो फलामे पाईपको टुस बनाई जडान गर्ने काम (ग्राइमर पेन्ट सहित)							
	दर विश्लेषण १८९४ केजी को भएको छ							
	स्रोत साधन	तह/किसिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक स्रोत साधनको जम्मा	
	श्रमिक	सिपायु	0.687	सख्या	1200.00	824.40		
		ज्यामी	0.781	सख्या	930.00	726.33	1550.73	Readymade 140/kg
	निर्माण सामग्री	सबै प्रकारको कालो पाइप						
		बनाई जोड्ने	18.94	के जी	95.00	1799.26	1550.73	Analysis
		ग्राइमर पेन्ट	अन्दाजी	-	-	110.00	2143.17	195.03
					वास्तविक दररेट		3459.99	
	दर प्रति के जी को						3459.99	
	3459.99							
	18.94	= रु	182.68	रु	जम्मा दर रेट		3459.99	

11								
M 12	४० मी मी Ø को कालो फलामे पाईप पोष्ट २ मिटर दूरीमा २०x२०x४ मी मी र २५ X २५ X ४ मी मी साईजको फलामे एङ्गल फ्रेमको विधमा १० S.W.G. Chain Link २"x२" को मेस साइज जाली जडान गर्ने र ३ x २० को फलामे सालाको पिल ०.१५ मी अग्लो बनाई माथि जडान गरी फोडिङेशन गरी ग्राइमर पेन्ट सहित सम्पूर्ण कार्य ।							
	दर विश्लेषण १० व मि को भएको छ							
	स्रोत साधन	तह/किसिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक स्रोत साधनको जम्मा	
	श्रमिक	सिपायु	7.00	जवान	1200.00	8400.00		
		ज्यामी	5.00	जवान	930.00	4650.00	13050.00	
	निर्माण सामग्री	४० मी मी Ø पोष्ट	35.51	के जी	95.00	3373.38		
		२०x२०x४ मि मि एल	32.06	के जी	100.00	3205.93	3783.01	
		२५x२५x४ मि मि एल	25.19	के जी	100.00	2518.95	2972.36	
		फलामे प्रिल ३०x२० मि मि	14.76	के जी	148.00	2184.45	2577.65	
		१० S.W.G. chain link २"x२" को मेस	10.00	व मी	538.00	5380.00	16842.71	
	दर प्रति व मी को				फोडिङेशन १५६	2496.41	6324.80	15657.82
					वास्तविक दररेट	32189.12		2348.67
	32189.12							31056.49
	10	= रु	3218.91	रु	जम्मा दर रेट		32189.12	3105.65
								UC Rate
								Ex post rate

12								
M 13	४० मी मी Ø को कालो फलामे पाईप पोष्ट २ मिटर दूरीमा २५ X २५ X ४ मी मी साईजको फलामे एङ्गल फ्रेममा ७ मी मी Ø फलामे डण्डीको डायगोनल जाली ६० X ६० मी मी साइजमा जडान गर्ने र ३५x२० को फलामे सालाको पिल ०.१५ मी अग्लो बनाई माथि जडान गरी फोडिङेशन गरी ग्राइमर पेन्ट सहित सम्पूर्ण कार्य ।							
	दर विश्लेषण १० व मि को भएको छ							
	स्रोत साधन	तह/किसिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक स्रोत साधनको जम्मा	
	श्रमिक	सिपायु	7.00	जवान	1200.00	8400.00		
		ज्यामी	5.00	जवान	930.00	4650.00	13050.00	
		४० मी मी Ø पोष्ट	35.51	के जी	95.00	3373.38		

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**UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
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S.N.	Description of Work	Labour		Materials		Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit			
	निर्माण सामग्री	कलामे पालाको छिल ३x१० मी मी	14.76	के जी	148.00	2184.45		
		३ मी मी कलामे डण्डी	66.49	के जी	103.00	6848.33	15612.09	
					प्रतिक्वेटन १x६		2341.81	
	दर प्रति व मी को				बास्तबिक दररेट		31003.90	
	31003.90	= रु	3100.39	रु	जम्मा दर रेट		31003.90	
	10							

1	Supplying and fitting Ready made Teak wood Doors, special (Seasoned and Poisoned treated ,one side teak) with all necessary hardware all complete.							
G 12	दर विश्लेषण १ व मि							
	खोल साधन	तह/किमिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक खोल साधनको जम्मा	
	धर्मिक	का/सिपानु	1.61	जवान	1200.00	1932.00		
		बा/ज्यामी	0.161	जवान	930.00	149.73	2081.73	2081.73
	निर्माण सामग्री	तयारी टोक बापा	1.1000	ब मी	2668.48	2935.32		
		काठको लिप्टी	7.434	र मी	78.72	585.20		
		गम	अन्दाजी	-		20.00		
		१०० मी मी कम्पा	3.00	गोटा	27.50	82.50		
		१४० मी मी छेस्कीनी	2.00	गोटा	63.50	127.00		
		मोर्टस लक साधारण	1.00	गोटा	574.00	574.00		
		पेच किला	अन्दाजी	-		45.00	4369.02	4936.99
	दर प्रति व मी को	=			बास्तबिक दररेट		6450.75	7018.72
	6450.75	= रु	6450.75	रु	जम्मा दर रेट		6450.75	
	1							

2	५०० गेजको पोलिथिन शीट एक तह विछ्याउने ।							
K 4	दर विश्लेषण १० व मि को भएको छ							
	खोल साधन	तह/किमिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक खोल साधनको जम्मा	
	धर्मिक	का/सिपानु	0.80	जवान	1200.00	720.00		
		बा/ज्यामी	0.60	जवान	930.00	558.00	1278.00	1278.00
	निर्माण सामग्री	पोलिथिन शीट ५०० गेज	11.00	ब मी	33.00	363.00	363.00	430.70
	दर प्रति व मी को				बास्तबिक दररेट		1641.00	1708.70
	1641.00	= रु	164.10	रु	१x६ ठेकेदार कोभररेड			170.87
	10				जम्मा दर रेट		1641.00	

1	५० मी मी व्यासको स्टेन्लेसस्टिलको ह्याण्डरेलमा २ मिटरको दूरीमा ५० मी मी व्यासको स्टेन्लेसस्टिलकै ठाडो पोष्ट राखी ह्याण्डरेल र भुइको बीचमा तीन तह तैसाँ २५ मी मी व्यासको स्टेन्लेसस्टिलको मेम्बर राखी २'-६" देखि ३'-०" सम्म उचाई भएको रेलिङ उपलब्ध गराई जडान गरी रंग समेत लगाउने काम ।							
	दर विश्लेषण १० व मि को भएको छ							
	खोल साधन	तह/किमिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक खोल साधनको जम्मा	
	निर्माण सामग्री	५० मी मी व्यासको स्टेन्लेसस्टिलको पाईपको ह्याण्डरेल जडान गर्ने कार्य	1.00	र मी	4132.80	4132.80	4132.80	
	दर प्रति र मि को				बास्तबिक दररेट		4132.80	4903.57
	रु	4132.80	रु		जम्मा दर रेट		4132.80	

A/C to kathmandu Rat

1	३८ मी मी व्यासको स्टेन्लेसस्टिलको ह्याण्डरेलमा २ मिटरको दूरीमा ३८ मी मी व्यासको स्टेन्लेसस्टिलकै ठाडो पोष्ट राखी ह्याण्डरेल र भुइको बीचमा दुई तह तैसाँ २५ मी मी व्यासको स्टेन्लेसस्टिलको मेम्बर राखी रेलिङ बनाई जडान गरी रंग समेत लगाउने काम ।							
M 15	दर प्रति ९.९५ व मि को विश्लेषण भएको छ							
	खोल साधन	तह/किमिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक खोल साधनको जम्मा	
	धर्मिक	सिपानु	7.78	जवान	1200.00	9336.00		
		ज्यामी	11.35	जवान	930.00	10555.50	19891.50	19891.50
	निर्माण सामग्री	३८ मी मी स्टील पाइप	15.49	मी	383.00	5932.67		
		२५ मि मि स्टील पाइप	20.00	मी	242.00	4840.00		
		स्टेन्लेसस्टिलको पाईपमा र्याम बेल्डिङ र पेटिङ गर्ने ।	-	अन्दाजी	0.00		11272.67	13375.02
					बास्तबिक दररेट		31164.17	33266.52
	दर प्रति व मी को							3635.69

Prepared By:

Checked By:

Ngawa Sherpa
Chief Administrative Officer

UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For USERS COMMITTEE

नोट: दुगाको धुलो घ.मी.लाई ०.०५ मीटरले गुणन गरेको ।

Grand Total		1030.46	per m2
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Grand Total		51540.73	
		5154.07	per m2

Analyzed for: 1m2

Rammers, Buckets

Analyzed for: 1m2

Baskets, Hammers, Iron Rods

Checked By:

Prepared By:

Ngawa Sherpa
Chief Administrative Officer

Government of Nepal
Umakunda Rural Municipality
Office of the Rural municipal Executive
Preeti, Ramechhap
Bagmati Province, Nepal

**UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For USERS COMMITTEE**

S.N.	Description of Work	Labour		Materials		Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit			

Work: 20cm Thick Stone Pitching on Prepared Bedding (Road stone transported from 150 to 200m)
Analyzed for: 1m²

Norms no.	Description	Unit	Input	Rate NRs.	Amount NRs.	Tools/Equipment
49	A. Labors					
	Skilled	no.	0.00	1200.00	0.00	
	Unskilled	no.	0.25	930.00	232.50	
	Sub-total A.				232.50	
	B. Materials					Baskets, Hammers, Iron Rods
	Stones	m ³	0.22		0.00	
	Spalls/Gravel for sealing voids	m ³	0.05	1015.63	50.78	
	Sub-total B.				50.78	
	Grand-Total A+B				283.28	

Item no. 9.3
Clause no. 17-2, 17-5, 17-6
Work: 20cm Thick Stone Pitching on Prepared Bedding (Stone collected and transported from 200 to 400m)
Analyzed for: 1m²

Norms no.	Description	Unit	Input	Rate NRs.	Amount NRs.	Tools/Equipment
49	A. Labors					
	Skilled	no.	0.00	1200.00	0.00	
	Unskilled	no.	0.25	930.00	232.50	
	Sub-total A.				232.50	
	B. Materials					Baskets, Hammers, Iron Rods
	Stones	m ³	0.22	930.00	204.60	
	Spalls/Gravel for sealing voids	m ³	0.05	1015.63	50.78	
	Sub-total B.				255.38	
	Grand-Total A+B				487.88	

Item no. 9.4
Clause no. 17-2, 17-5, 17-6
Work: 20cm Thick Stone Pitching on Prepared Bedding (Stone collected and transported by tractor from quarry 3km away)
Analyzed for: 1m²

Norms no.	Description	Unit	Input	Rate NRs.	Amount NRs.	Tools/Equipment
49	A. Labors					
	Skilled	no.	0.00	1200.00	0.00	
	Unskilled	no.	0.25	930.00	232.50	
	Sub-total A.				232.50	
	B. Materials					Baskets, Hammers, Iron Rods
	Stones	m ³	0.22	1234.49	271.59	
	Spalls/Gravel for sealing voids	m ³	0.05	1015.63	50.78	
	Sub-total B.				322.37	
	Grand-Total A+B				554.87	

Item no. 9.4
Clause no. 17-2, 17-5, 17-6
Work: 20cm Thick Stone Pitching on Prepared Bedding (Stone collected and transported by tractor from quarry 4km away)
Analyzed for: 1m²

Norms no.	Description	Unit	Input	Rate NRs.	Amount NRs.	Tools/Equipment
49	A. Labors					
	Skilled	no.	0.00	1200.00	0.00	
	Unskilled	no.	0.25	930.00	232.50	
	Sub-total A.				232.50	
	B. Materials					Baskets, Hammers, Iron Rods
	Stones	m ³	0.22	535.00	117.70	
	Spalls/Gravel for sealing voids	m ³	0.05	1100.25	55.01	
	Sub-total B.				172.71	
	Grand-Total A+B				405.21	

Clause no.—15.02, 1502 (DoR Norms) For Road Marking.
Work: supplying and applying paint for road marking
a) More than two coats for new bituminous surface.
Analyzed for: 1m

Norms no.	Description	Unit	Input	Rate NRs.	Amount NRs.	Tools/Equipment
15.02	A. Labors					
	Skilled	no.	0.005	1200.00	6.00	
	Unskilled	no.	0.007	930.00	6.51	
	Sub-Total				12.51	
	Equipment/Material					
	Thermoplastic paint (Road marking paint)	ltr	0.07	564.52	39.52	
	Sub-Total				39.52	
	Tools and Plants 3% of labour cost				1.56	
	Total				41.08	
	Per m2 rate=				53.59	
					536.87	

Prepared By:

Checked By:

Approved By:

Ngawa Sherpa
Chief Administrative Officer

Government of Nepal
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Bagmati Province, Nepal

UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2063/84
For USERS COMMITTEE

S.N.	Description of Work	Labour		Materials		Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit			

Clause no.—15.90, 1504 (DoR Norms) For Road Marking.

Work:

Supplying and Applying paint for road marking with Hot Applied Thermoplastic Compound with reflectorizing Glass Beads on Bituminous Surface on Smooth Surface (Similar to Asphalt concrete and rigid pavement) atleast 2mm thick with cleaning, watering and brooming etc all complete.

Analyzed for:400 sq. m

Norms no.	Description	Unit	Input	Rate NRs.	Amount NRs.	Tools/Equipment	
15.02	A. Labors						
	Skilled	no.	2.000	1200.00	2400.00		
	Unskilled	no.	4.000	930.00	3720.00		
	Sub-Total				6120.00		
	Material						
	Thermoplastic paint (Road marking paint)	ltr	930	564.52	525003.60		
	Sub-Total				525003.60		
	Equipment/(Boiler+Applicator+Template)	Hr	10	300.00	3000.00		
	Tractor-trolley	Hr	10	440.00	4400.00		
	Sub-Total				7400.00		
	Total				538523.60		
	Per m2 rate=				1346.31		

per sq ft
143.89

Add 15% overhead
Per sq m
1548.26

Clause no.—15.90, 1504 (DoR Norms) For Road Marking.

Work:

Supplying and Applying paint for road marking with Hot Applied Thermoplastic Compound with reflectorizing Glass Beads on Bituminous Surface on Rough Surface (Similar to Surface dressing) atleast 2mm thick with cleaning, watering and brooming etc all complete.

Analyzed for:300 sq. m

Norms no.	Description	Unit	Input	Rate NRs.	Amount NRs.	Tools/Equipment	
15.02	A. Labors						
	Skilled	no.	2.000	1200.00	2400.00		
	Unskilled	no.	4.000	930.00	3720.00		
	Sub-Total				6120.00		
	Material						
	Thermoplastic paint (Road marking paint)	ltr	1200	564.52	677424.00		
	Sub-Total				677424.00		
	Equipment/(Boiler+Applicator+Template)	Hr	10	300.00	3000.00		
	Tractor-trolley	Hr	10	440.00	4400.00		
	Sub-Total				7400.00		
	Total				690944.00		
	Per m2 rate=				2303.15		

per sq ft
246.15

Add 15% overhead
2648.62

1	डिस्टेम्पर लगाउने काम एक कोट ।					
१२-२ क.ख	दर विवरणको लागि १०० ब मी विस्तारको					
	घोल साधन	तह/किमि	परिमाण	एकाई	दर प्रति एकाई	रकम
	धमिक	का. सिपाय	4	जवान	1200.00	4800.00
		ख. ज्यामी	4	जवान	930.00	3720.00
	निर्माण सामग्री	अस्तर	8.0	ली	262.00	2095.98
		डिस्टेम्पर पाउडर	6.5	के जी	171.00	1111.48
	दर प्रति ब मी को				बालाबिक दररेट	11727.46
	11727.46				१५% टेकेदार ओभरहेड	
	100	=	र 117.27	र	जम्मा दर रेट	11727.46

2	डिस्टेम्पर लगाउने काम दुई कोट ।					
१२-२ क.ख.ग	दर विवरणको लागि १०० ब मी विस्तारको					
	घोल साधन	तह/किमि	परिमाण	एकाई	दर प्रति एकाई	रकम
	धमिक	का. सिपाय	5.80	जवान	1200.00	6960.00
		ख. ज्यामी	5.80	जवान	930.00	5394.00
	निर्माण सामग्री	अस्तर	8.0	ली	262.00	2095.98
		डिस्टेम्पर पाउडर	11.50	के जी	171.00	1966.47
	दर प्रति ब मी को				बालाबिक दररेट	16416.45
	16416.45				१५% टेकेदार ओभरहेड	
	100	=	र 164.16	र	जम्मा दर रेट	16416.45

	कंक्रीट होलो ब्लकको गारो सिमेन्ट, बालुवा (१:४) मा लगाउने काम					
	३० मी सम्म बुझाई समेत					
	दर विवरणको लागि १ ब मी विस्तारको					
	घोल साधन	तह/किमि	परिमाण	एकाई	दर प्रति एकाई	रकम
	धमिक	का. सिपाय	0.25	जवान	1200.00	300.00
		ख. ज्यामी	0.25	जवान	930.00	232.50
	निर्माण सामग्री	११०X२००X२००	13.00	बटा	73.00	949.00
		सिमेन्ट	0.014	म ट	20998.03	293.97
		बालुवा	0.044	घ मी	4884.86	206.13

150

Prepared By:

Checked By:

Approved By:

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Chief Administrative Officer

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**UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
For USERS COMMITTEE**

S.N.	Description of Work	Labour		Materials		Rate/Rs	Amount Rs	Remarks
		Type	md	Type	Unit	Quantity		
		शानी	12.00	सीटर	0.25	3.00	1452.10	
	दर प्रति घ मी को				वास्तविक दररेट		1984.60	
7=	1984.60				१४% ठेकेदार ओभरहेड			
	Block Size	40*15*20cm	For 1 sqm=13no		जम्मा दर रेट		1984.60	
११-१४	सिमेन्ट घाटी तयार गर्ने ।							
H 1	दर विवरणको लागि १० ब मी सिङ्गको							
	स्रोत साधन	तह/किसिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक स्रोत साधनको जम्मा	
	श्रमिक	क) सिपायु	1.25	जवान	1200.00	1500.00		
		ख) ज्यामी	2.50	जवान	930.00	2325.00		
		सिमेन्ट	0.17	मे.ट	20998.03	3569.66		
		बालुवा	0.23	घ.मी	4894.86	1125.81		
		२० मी मी रोडा	0.46	घ.मी	4959.88	2281.53		
	दर प्रति घ मी को				वास्तविक दररेट		10802.00	
	10802.00				जम्मा दर रेट		10802.00	
	10							

११-१४	सिमेन्ट घाटी तयार गर्ने ।							
H 1	दर विवरणको लागि १० ब मी सिङ्गको							
	स्रोत साधन	तह/किसिम	परिमाण	एकाई	दर प्रति एकाई	रकम	प्रत्येक स्रोत साधनको जम्मा	
	श्रमिक	क) सिपायु	1.25	जवान	1200.00	1500.00		
		ख) ज्यामी	3.00	जवान	930.00	2790.00		
		सिमेन्ट	0.26	मे.ट	20998.03	5459.48		
		बालुवा	0.34	घ.मी	4894.86	1664.25		
		२० मी मी रोडा	0.68	घ.मी	4959.88	3372.70		
	दर प्रति घ मी को				वास्तविक दररेट		14786.43	
	14786.43				जम्मा दर रेट		14786.43	
	10							

१-७	पारोसिलेन रलेन्ड टाईल (१.४) सिमेन्ट बालुबामा छाप्ने काम	तह/किसिम	परिमाण	एकाई	दर प्रति एकाई	रकम	
		सिपायु	१३	जवान	१२००	१५६००	
		ज्यामी	४.४	जवान	९३०	४१८४	
		सिमेन्ट	०.०४६	मे.ट	२०९९८.०३	९९७४.८९०	
		बालुवा	०.१४२	घ.मि.	४८९४.८६	७४४.०९८	
		सोला सिमेन्ट	३.२२८	क.जि.	२४६	८२६.३६८	
					जम्मा रकम १० ब.मि. को लागि	२२४३९.२८	
					दर प्रति ब.मि को	२२४३.९२	
H22	Providing and laying of 50mm thick heavy duty interlocking concrete block above the 50mm thick crusher dust all complete works	Skill	१			१२००	१२००
		Unskill	१०			९३०	९३००
				Block	११	४९६.४८	४६८१.२८
				Stone Dust	०.४४	३६८९.४०४	२०२९.२३
					जम्मा रकम १० ब.मि. को लागि	१८२१०.४१	
					दर प्रति ब.मि को	१८२१.०४	

Prepared By:

Checked By:

Ngawa Sherpa
Chief Administrative Officer

Rate analysis for Wood work for door and window 2083/84 FOR UC

Making frame by sal (Agrakh) wood

Door Size (900 X 2100 mm), wood size (100X75mm)

For rate analysis take 1c.m. of wood

S.N.	Description	Unit	Qty.	Rate	Amount	Remarks
1	Skilled Labour	No.	40	1200.00	48000.00	dudbc-91
	Labour	No.	3.4	930.00	3162.00	
2	Agrakh Wood	c.m.	1.26	181515.62	229510.43	
	Hold fast	Pcs.	92	19.40	1784.72	
	Pech Killa (50 mm)	Pcs.	184	5.23	961.40	
Sub-Total					283418.55	
G. Total					283418.55	m3

Making frame by local hard wood

Door Size (900 X 2100 mm), wood size (100X75mm)

For rate analysis take 1c.m. of wood

S.N.	Description	Unit	Qty.	Rate	Amount	Remarks
1	Skilled Labour	No.	40	1200.00	48000.00	dudbc-91
	Labour	No.	3.4	930.00	3162.00	
2	Local hard Wood	c.m.	1.26	67631.76	85454.66	
	Hold fast	Pcs.	92	19.40	1784.72	
	Pech Killa	Pcs.	184	5.23	961.40	
Sub-Total					139362.78	
G. Total					139362.78	m3

Making 38mm thick shutter for door and window by Agrakh wood

For rate analysis take 1.07 mX 1.982 m = 2.114 sq.m. area

S.N.	Description	Unit	Qty.	Rate	Amount	Remarks
1	Skilled Labour	No.	10	1200.00	12000.00	dudbc-92
	Labour	No.	1	930.00	930.00	
2	Agrakh wood	c.m.	0.084	181515.62	15247.31	
	100 mm Kabja	Pcs	6	62.00	372.00	
	150 mm Cheskini	Pcs	1	65.00	65.00	
	300 mm Cheskini	Pcs	1	95.00	95.00	
	Handle (special)	Pcs	2	144.00	288.00	
	Locking set (8 inch)	Pcs	1	888.00	888.00	
	Pech Killa	Job	1	200.00	200.00	
Sub-Total					30085.31	
G. Total					30085.31	
per sq.m					14231.46	m2

Prepared by

Checked by

Ngawa Sherpa
 Chief Administrative Officer

Making 38mm thick shutter for door and window by Local hard wood

For rate analysis take 1.07 mX 1.982 m = 2.114 sq.m. area

S.N.	Description	Unit	Qty.	Rate	Amount	Remarks
1	Skilled Labour	No.	12	1200.00	14400.00	dudbc-92
	Labour	No.	1	930.00	930.00	
2	Local hard wood	c.m.	0.095	67631.76	6399.31	
	100 mm Kabja	Pcs	6	62.00	372.00	
	150 mm Cheskini	Pcs	1	65.00	65.00	
	300 mm Cheskini	Pcs	1	95.00	95.00	
	Handle (special)	Pcs	2	144.00	288.00	
	Locking set (8 inch)	Pcs	1	888.00	888.00	
	Pech Killa	Job	1	200.00	200.00	
Sub-Total					23637.31	
G. Total					23637.31	
per sq.m					11181.32	m2

Making 38mm thick frame by Sal wood (Agrakh) and fixing 4mm thick glass

For rate analysis take 1.829X1.22 = 2.23 sq.m. area

S.N.	Description	Unit	Qty.	Rate	Amount	Remarks
1	Skilled Labour	No.	11	1200.00	13200.00	dudbc-94
	Labour	No.	0.9	930.00	837.00	
2	Sal wood	c.m.	0.05	181515.62	9888.98	
	4mm thick Glass	sq.m.	1.085	735.92	798.47	
	75mm Kabja	Pcs	8	14.00	112.00	
	150mm Cheskini	Pcs	4	65.00	260.00	
	Handle (Special)	Pcs	2	144.00	288.00	
	Pech Killa	Job	1	200.00	200.00	
Sub-Total					25584.45	
G. Total					25584.45	
per sq.m					11472.85	m2

Fixing 3.5mm thk. Commercial ply on both side in 38mm thick frame by Agrakh wood

For rate analysis take 1.092X2.058 = 2.245 sq.m. area

S.N.	Description	Unit	Qty.	Rate	Amount	Remarks
1	Skilled Labour	No.	7	1200.00	8400.00	dudbc-95
	Labour	No.	0.7	930.00	651.00	
2	Agrakh Wood	c.m.	0.0346	181515.62	6280.44	
	3mm thk. Commercial ply	sq.m.	4.65	400.56	1862.58	
	100mm Kabja	Pcs	3	62.00	186.00	
	150mm Cheskini	Pcs	2	65.00	130.00	
	Motris Lock (Ordinary)	Pcs	1	588.00	588.00	
	Pech Killa	L/S	1	150.00	150.00	
Sub-Total					18248.02	
G. Total					18248.02	

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Approved by

Ngawa Sherpa
Chief Administrative Officer

Government of Nepal
Umakunda Rural Municipality
Office of the Rural municipal Executive
Preeti, Ramechhap
Bagmati Province, Nepal

per sq.m	8128.30	m2
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Fixing 3.5mm thk. Commercial ply on one side in 38mm thick frame by Local hard wood

For rate analysis take $1.092 \times 2.058 = 2.245$ sq.m. area

S.N.	Description	Unit	Qty.	Rate	Amount	Remarks
1	Skilled Labour	No.	7	1200.00	8400.00	dudbc-97
	Labour	No.	0.7	930.00	651.00	
2	Agrakh Wood	c.m.	0.0346	67631.76	2340.06	
	3mm thk. Commercial ply	sq.m.	2.325	400.56	931.29	
	100mm Kabja	Pcs	3	62.00	186.00	
	150mm Cheskini	Pcs	2	65.00	130.00	
	Motris Lock (Ordinary)	Pcs	1	588.00	588.00	
	Pech Killa	L/S	1	150.00	150.00	
Sub-Total					13376.35	
G. Total					13376.35	
per sq.m					5958.29	m2

Fixing 0.37 mm thk. G.I Plain sheet (both side) in 38mm thick frame by Agrakh wood

For rate analysis take $1.092 \times 2.058 = 2.245$ sq.m. area

S.N.	Description	Unit	Qty.	Rate	Amount	Remarks
1	Skilled Labour	No.	7	1200.00	8400.00	
	Labour	No.	0.7	930.00	651.00	
2	Agrakh Wood	c.m.	0.04703	181515.62	8537.45	
	Plain sheet 26 gaug	sq.m.	4.65	5.91	27.49	
	100mm Kabja	Pcs	3	62.00	186.00	
	150mm Cheskini	Pcs	2	65.00	130.00	
	Motris Lock (Ordinary)	Pcs	1	588.00	588.00	
	Pech Killa	L/S	1	150.00	150.00	
Sub-Total					18669.94	
G. Total					18669.94	
per sq.m					8316.23	m2

Fixing 24 gauge Mosquitoo proof wire mesh in 38mm thick frame by Agrakh wood

For rate analysis take $1.092 \times 2.058 = 2.245$ sq.m. area

S.N.	Description	Unit	Qty.	Rate	Amount	Remarks
1	Skilled Labour	No.	5	1200.00	6000.00	
	Labour	No.	0.5	930.00	465.00	
2	Agrakh Wood	c.m.	0.03612	181515.62	6556.55	
	24 gauge wire mesh	sq.m.	2.13	115.80	246.65	
	100mm Kabja	Pcs	3	62.00	186.00	
	150mm Cheskini	Pcs	2	65.00	130.00	
	Spring	Pcs	1	1752.00	1752.00	
	Handle	Pcs	2	144.00	288.00	
	Pech Killa	L/S	1	150.00	150.00	
Sub-Total					15774.20	
G. Total					15774.20	
per sq.m					7026.37	m2

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Ngawa Sherpa
Chief Administrative Officer

Making and fixing wooden beam and joist of local hard wood

Local hard wood work for roof truss. For 1 cu.m

S.N.	Description	Unit	Qty.	Rate	Amount	Remarks
1	Skilled Labour	No.	20	1200.00	24000.00	
	Labour	No.	2	930.00	1860.00	
2	Local hard wood	c.m.	1.21246	67631.76	82000.58	
	Pech Killa	L/S	1	250.00	250.00	
Sub-Total					108110.58	
G. Total					108110.58	m3

Making 38mm thick frame by Local hard wood and fixing 4mm thick glass

For rate analysis take $1.829 \times 1.22 = 2.23$ sq.m. area

S.N.	Description	Unit	Qty.	Rate	Amount	Remarks
1	Skilled Labour	No.	9	1200.00	10800.00	
	Labour	No.	0.9	930.00	837.00	
2	Local Hard Wood	c.m.	0.049	67631.76	3313.96	
	4mm thick Glass	sq.m.	1.085	735.92	798.47	
	75mm Kabja	Pcs	8	14.00	112.00	
	150mm Cheskini	Pcs	4	65.00	260.00	
	Handle (Special)	Pcs	2	144.00	288.00	
	Pech Killa	Job	1	200.00	200.00	
Sub-Total					16609.42	
G. Total					16609.42	
per sq.m					7448.17	m2

१	चौकोसमा ४ मी.मी. मोटाईको ऐना काठको लिप्टी लगाई जोड्ने ।					
G5	दर विश्लेषणको लागि १ वर्ग मी. लिइएको					
	स्रोत साधन	तह / किसिम	परिमाण	एकाई	दर प्रति एकाई	रकम
	श्रमिक	क) सिपालु	0.06	जवान	१२००/००	७२००
		ख) ज्यामी	0.006	जवान	९३०/००	५५८
	निर्माण सामग्री	४ मी.मी. ऐना	1.00	व.मी.	७३५१९२	७३५१९९
		काठको लिप्टी	4.05	र.मी.	३५१००	१४११७५
		किला	अन्दाज	-		४०१००

वास्तविक दररेट

दर प्रति वर्ग मी.को

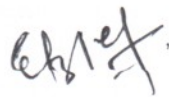
रु. ९९५१२४ रु.

जम्मा दर रेट

Prepared by



Checked by



Approved by

Ngawa Sherpa
Chief Administrative Officer



Government of Nepal
Umakunda Rural Municipality
Office of the Rural municipal Executive
Preeti, Ramechhap
Bagmati Province, Nepal

UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
Gabion work for UC

1.0 Site Clearance	
Clearing and grubbing including the cutting of trees (only if necessary) having girth of less than 30 cm when measured at 1 m above the ground.	
	Rate (Per m ²) = 38.32
2.0 Cutting of trees having girth of above 30 cm when measured at 1 m above the ground including the removal of trunk, branches and stumps up to a lead of 100 m along the lead route for trees of size :	
I. above 30 cm to 60 cm girth	
	Rate (Each) = 287.37
II. above 60 cm to 90 cm girth	
	Rate (Each) = 383.16
III. above 90 cm to 180 cm girth	
	Rate (Each) = 1,436.85
IV. above 180 cm to 270 cm girth	
	Rate (Each) = 2,873.70
V. above 270 cm to 450 cm girth	
	Rate (Each) = 9,579.00
3.0 Excavation in roadway and drain including removal and satisfactory disposal of all materials up to a lead of 50 m along the lead route. This includes handling and stacking or hauling (to sites of embankment construction) of suitable cut materials as	
a) Ordinary soil	
	Rate (Per m ³) = 478.95
b) Hard soil	
	Rate (Per m ³) = 574.74
c) Ordinary rock	
	Rate (Per m ³) = 1,915.80
d) Medium rock 2-4	
	Rate (Per m ³) = 2,873.70
e) Hard rock (chiselling, wedging, tempering, etc.)	
	Rate (Per m ³) = 16,284.30
f) Marshy soil	
	Rate (Per m ³) = 957.90

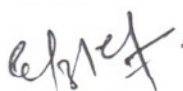
UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
Gabion work for CONTRACTOR

4.0 Fabrication of gabion boxes including rolling, cutting and weaving	
A. Hexagonal Mesh Size - 80 mm x 100 mm, Mesh wire - 10 SWG, Selvedge wire - 7SWG	
Box size (2m x 1m x 1m)	
	Rate (Box) = 5,014.96
Box size (2m x 1m x 0.5m)	
	Rate (Box) = 3,492.66
Box size (3m x 1m x 1m)	
	Rate (Box) = 7,249.75
Box size (3m x 1m x 0.5m)	
	Rate (Box) = 5,080.71
B. Hexagonal Mesh Size- 100 mm x 120 mm, Mesh wire - 10 SWG, Selvedge wire - 7 SWG	
Box size (1.5m x 1m x 1m)	
	Rate (Box) = 3,146.04
Box size (2m x 1m x 1m)	

Prepared By.



Checked By:



Approved By

Ngawa Shrestha
Chief Administrative Officer

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Office of the Rural municipal Executive
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UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84

Gabion work for UC

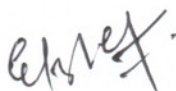
Box size (2m x1m x .5m)	Rate (Box) =	4,342.21
Box size (3m x1m x 1m)	Rate (Box) =	3,021.33
Box size (3m x1m x .5m)	Rate (Box) =	6,371.51
5.0 Packing and filling of gabion crates with rubble stones	Rate (Box) =	4,487.42
6.0 Uncoursed Rubble Masonary in Dry	Rate (Per m ³) =	2,769.67
7.0 Uncoursed Rubble Masonary in 1:4 Cement Sand Mortar	Rate (Per m ³) =	3,811.00
8.0 Uncoursed Rubble Masonary in 1:6 Cement Sand Mortar	Rate (Per m ³) =	11,490.53
9.0 Stone pitching on prepared bed & Gravel Filling	Rate (Per m ³) =	11,019.35
A) Without Void filling Material		
B) With Void filling Material	Rate (Per m ³) =	2,714.05
C) Gravel filling on Sub-base 25 cm thick	Rate (Per m ³) =	4,255.15
9)18-6 dolidar Planting shrub and tree seedlings and cuttings on site	Rate (Per m2) =	844.84
Planting containerised tree and shrub seedlings, including pitting, transplanting, composting and placing tree guards, on toe of embankment slopes in plain areas, not less than 8 m from the road centre line. Pit size 30 cm diameter x 30 cm depth. Compost volume ¼ of the volume of the pit, mixed with original soil.		
A) Plantation of Casio		
B) Plantation of Umriso	Rate (Per No) =	34.25
C) Plantation of Simali and other similar local tree	Rate (Per No) =	26.01
	Rate (Per No) =	26.01

Gabion Summary With Packing	RS	Unit
Gabion (1.5*1*1)	7,300.55	No
Gabion (2*1*1)	9,881.55	No
Gabion (3*1*1)	14,680.52	No

Prepared By.



Checked By:



Approved By


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Office of the Rural municipal Executive
Preeti, Ramechhap
Bagmati Province, Nepal

**UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
FOR UC**

GABION

1.0 Site Clearance

Clearing and grubbing including the cutting of trees (only if necessary) having girth of less than 30 cm when measured at 1 m above the ground.

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	0.04	md	930	37.20	
	Skilled	0	md	1200	0.00	
Materials	Tools and Equipments	3%	L/S		1.12	
			Sub-Total		38.32	
Grand Total =					38.32	

Rate (Per m²) = **38.32**

2.0 Cutting of trees having girth of above 30 cm when measured at 1 m above the ground including the removal of trunk, branches and stumps up to a lead of 100 m along the lead route for trees of size :

I. above 30 cm to 60 cm girth

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	0.3	md	930	279.00	
	Skilled	0	md	1200	0.00	
Materials	Tools and Equipments	3%	L/S		8.37	
			Sub-Total		287.37	
Grand Total =					287.37	

Rate (Each) = **287.37**

II. above 60 cm to 90 cm girth

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	0.4	md	930	372.00	
	Skilled	0	md	1200	0.00	
Materials	Tools and Equipments	3%	L/S		11.16	
			Sub-Total		383.16	
Total =					383.16	

Rate (Each) = **383.16**

III. above 90 cm to 180 cm girth

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	1.5	md	930	1395.00	
	Skilled	0	md	1200	0.00	
Materials	Tools and Equipments	3%	L/S		41.85	
			Sub-Total		1436.85	
Total =					1436.85	

Rate (Each) = **1436.85**

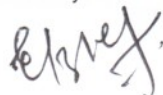
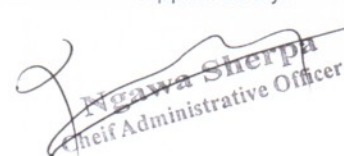
IV. above 180 cm to 270 cm girth

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
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Preeti, Ramechhap
Bagmati Province, Nepal

**UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
FOR UC**

Labour	Unskilled	3 md	930	2790.00	
	Skilled	0 md	1200	0.00	
Materials	Tools and Equipments	3% L/S		83.70	
		Sub-Total		2873.70	
Total =				2873.70	
Rate (Each) =				2873.70	

V. above 270 cm to 450 cm girth

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	10	md	930	9300.00	
	Skilled	0	md	1200	0.00	
Materials	Tools and Equipments	3%	L/S		279.00	
			Sub-Total		9579.00	
Total =					9579.00	
Rate (Each) =					9579.00	

3.0 Excavation in roadway and drain including removal and satisfactory disposal of all materials up to a lead of 50 m along the lead route. This includes handling and stacking or hauling (to sites of embankment construction) of suitable cut materials as

a) Ordinary soil

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	0.5	md	930	465.00	
	Skilled	0	md	1200	0.00	
Materials	Tools and Equipments	3%	L/S		13.95	
			Sub-Total		478.95	
Total =					478.95	
Rate (Per m ³) =					478.95	

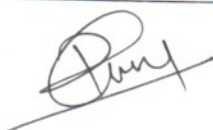
b) Hard soil

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	0.6	md	930	558.00	
	Skilled	0	md	1200	0.00	
Materials	Tools and Equipments	3%	L/S		16.74	
			Sub-Total		574.74	
Total =					574.74	
Rate (Per m ³) =					574.74	

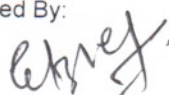
c) Ordinary rock

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	2	md	930	1860.00	
	Skilled	0	md	1200	0.00	
Materials	Tools and Equipments	3%	L/S		55.80	

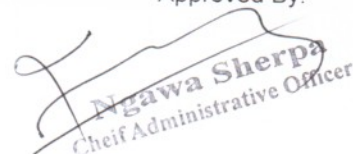
Prepared By:



Checked By:



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Umakunda Rural Municipality
Office of the Rural municipal Executive
Preeti, Ramechhap
Bagmati Province, Nepal

**UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
FOR UC**

			Sub-Total	1915.80	
			Total =	1915.80	

Rate (Per m³) = **1915.80**

d) Medium rock 2-4

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	3	md	930	2790.00	
	Skilled	0	md	1200	0.00	
Materials	Tools and Equipments	3%	L/S		83.70	
			Sub-Total		2873.70	
			Total =		2873.70	

Rate (Per m³) = **2873.70**

e) Hard rock (chiselling, wedging, tempering, etc.)

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	17	md	930	15810.00	
	Skilled	0	md	1200	0.00	
Materials	Tools and Equipments	3%	L/S		474.30	
			Sub-Total		16284.30	
					16284.30	

Rate (Per m³) = **16284.30**

f) Marshy soil

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	1	md	930	930.00	
	Skilled	0	md	1200	0.00	
Materials	Tools and Equipments	3%	L/S		27.90	
			Sub-Total		957.90	
			Total =		957.90	

Rate (Per m³) = **957.90**

4.0 Fabrication of gabion boxes including rolling, cutting and weaving

A. Hexagonal Mesh Size - 80 mm x 100 mm, Mesh wire - 10 SWG, Selvedge wire - 7SWG

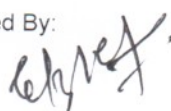
Box size (2m x 1m x 1m)

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	0.23	md	930	213.90	
	Skilled	0.46	md	1200	552.00	
Materials	Mesh wire 10SWG	27.50	kg	133.00	3657.45	
	Selvedge wire 8SWG	2.40	Kg	133.00	319.20	
	Binding wire 12SWG	0.95	Kg	133.00	126.35	
	Tools and Equipments	3%	L/S		146.07	
			Sub-Total		5014.96	

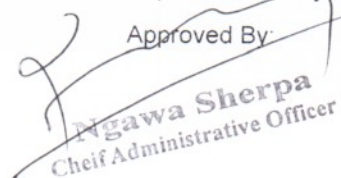
Prepared By:



Checked By:



Approved By:



Ngawa Sherpa
Chief Administrative Officer

Government of Nepal
Umakunda Rural Municipality
Office of the Rural municipal Executive
Preeti, Ramechhap
Bagmati Province, Nepal

UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
FOR UG

	Sub-Total =	5014.96
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Rate (Box) = **5014.96**

Box size (2m x1m x 0.5m)

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	0.16	md	930	148.80	
	Skilled	0.32	md	1200	384.00	
Materials	Mesh wire 10SWG	18.75	kg	133.00	2493.71	
	Selvedge wire 8SWG	2.04	Kg	133.00	271.32	
	Binding wire 12SWG	0.7	Kg	133.00	93.10	
	Tools and Equipments	3%	L/S		101.73	
			Sub-Total		3492.66	
					Total =	3492.66

Rate (Box) = **3492.66**

Box size (3m x1m x 1m)

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	0.33	md	930	306.90	
	Skilled	0.66	md	1200	792.00	
Materials	Mesh wire 10SWG	40.00	kg	133.00	5319.92	
	Selvedge wire 8SWG	3.36	Kg	133.00	446.87	
	Binding wire 12SWG	1.3	Kg	133.00	172.90	
	Tools and Equipments	3%	L/S		211.16	
			Sub-Total		7249.75	
					Total =	7249.75

Rate (Box) = **7249.75**

Box size (3m x1m x 0.5m)

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	0.23	md	930	213.90	
	Skilled	0.46	md	1200	552.00	
Materials	Mesh wire 10SWG	27.50	kg	133.00	3657.45	
	Selvedge wire 8SWG	2.88	Kg	133.00	383.03	
	Binding wire 12SWG	0.95	Kg	133.00	126.35	
	Tools and Equipments	3%	L/S		147.98	
			Sub-Total		5080.71	
					Total =	5080.71

Rate (Box) = **5080.71**

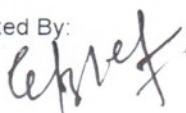
B.Hexagonal Mesh Size- 100 mm x 120 mm, Mesh wire - 10 SWG,Selvedge wire -7 SWG
Box size (1.5m x1m x 1m)

For
purchase

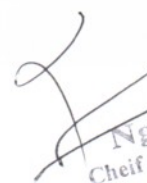
Prepared By.



Checked By:



Approved By:


Ngawa Sherpa
Chief Administrative Officer

Government of Nepal
Umakunda Rural Municipality
Office of the Rural municipal Executive
Preeti, Ramechhap
Bagamati Province, Nepal

UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
FOR UC

Resource	Description	Quantity	Unit	Rate	Amount	from KTM
Labour	Unskilled	0.14	md	930	130.20	
	Skilled	0.29	md	1200	348.00	
Materials	Mesh wire 10SWG	17.04	kg	133.00	2266.32	
	Selvedge wire 8SWG	1.68	Kg	133.00	223.44	
	Binding wire 12SWG	0.65	Kg	133.00	86.45	
	Tools and Equipments	3%	L/S		91.63	
			Sub-Total		3146.04	
Total =					3146.04	

Rate (Box) = **3146.04**

Box size (2m x1m x 1m)

Resource	Description	Quantity	Unit	Rate	Amount	from Ktm
Labour	Unskilled	0.2	md	930	186.00	
	Skilled	0.39	md	1200	468.00	
Materials	Mesh wire 10SWG	23.43	kg	133.00	3116.19	
	Selvedge wire 8SWG	2.40	Kg	133.00	319.20	
	Binding wire 12SWG	0.95	Kg	133.00	126.35	
	Tools and Equipments	3%	L/S		126.47	
			Sub-Total		4342.21	
Total =					4342.21	

Rate (Box) = **4342.21**

Box size (2m x1m x .5m)

Resource	Description	Quantity	Unit	Rate	Amount	from Ktm
Labour	Unskilled	0.13	md	930	120.90	
	Skilled	0.27	md	1200	324.00	
Materials	Mesh wire 10SWG	15.97	kg	133.00	2124.01	
	Selvedge wire 8SWG	2.04	Kg	133.00	271.32	
	Binding wire 12SWG	0.7	Kg	133.00	93.10	
	Tools and Equipments	3%	L/S		88.00	
			Sub-Total		3021.33	
Total =					3021.33	0.00

Rate (Box) = **3021.33**

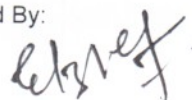
Box size (3m x1m x 1m)

Resource	Description	Quantity	Unit	Rate	Amount	from Ktm
Labour	Unskilled	0.28	md	930	260.40	
	Skilled	0.57	md	1200	684.00	
Materials	Mesh wire 10SWG	34.08	kg	133.00	4532.64	

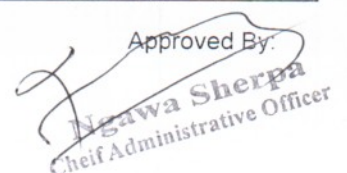
Prepared By:



Checked By:



Approved By:



Ngawa Sherpa
Chief Administrative Officer

UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
FOR UC

$$\text{Rate (Box)} = 6371.51$$
$$\text{Rate (Box)} = 4487.42$$
$$\text{Rate (Per } m^3) = 2769.67$$

Rate (Per m ³) =	3811.00
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Bagmati Province, Nepal

UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
FOR UC

	Cement	2.32	Bag	1049.90	2435.77	
	Sand	0.47	m ³	4684.86	2201.88	
	Tools and Equipments	3%	L/S		334.68	
Sub Total =					11490.53	

Total 11490.53
Rate (Per m³) = **11490.53**

8.0 Uncoursed Rubble Masonry in 1:6 Cement Sand Mortar

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	3.29	md	930	3059.70	
	Skilled	1.5	md	1200	1800.00	
Materials	Broken Stone	1.1	m ³	1550.00	1705.00	
	Cement	1.84	Bag	1049.90	1931.82	
	Sand	0.47	m ³	4684.86	2201.88	
	Tools and Equipments	3%	L/S		320.95	
Sub-Total					11019.35	
Total =					11019.35	

Rate (Per m³) = **11019.35**

9.0 Stone pitching on prepared bed & Gravel Filling

A) Without Void filling Material

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	1	md	930	930.00	
	Skilled	0	md	1200	0.00	
Materials	Broken Stone	1.1	m ³	1550.00	1705.00	
	Tools and Equipments	3%	L/S		79.05	
Sub-Total					2714.05	
Total =					2714.05	

Rate (Per m³) = **2714.05**

B) With Void filling Material

Resource	Description	Quantity	Unit	Rate	Amount	Remarks
Labour	Unskilled	1.25	md	930	1162.50	
	Skilled	0	md	1200	0.00	
Materials	Broken Stone	1.1	m ³	1550.00	1705.00	
	Spall>25mm(filling material)	0.25	m ³	5054.86	1263.71	
	Tools and Equipments	3%	L/S		123.94	
Sub-Total					4255.15	
Total =					4255.15	

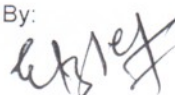
Rate (Per m³) = **4255.15**

C) Gravel filling on Sub-base 25 cm thick

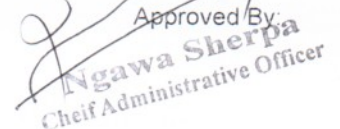
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Ngawa Sherpa
Chief Administrative Officer

UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
FOR UC

$$\text{Rate (Per } m^2) = 844.84$$

Planting containerised tree and shrub seedlings, including pitting, transplanting, composting and placing tree guards, on toe of embankment slopes in plain areas, not less than 8 m from the road centre line. Pit size 30 cm diameter x 30 cm depth. Compost volume ¼ of the volume of the pit, mixed with original soil.

Rate (Per No) =	34.25
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Rate (Per No) =	26.01
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Approved By: **Ngawa Sherpa**
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Bagmati Province, Nepal

**UMAKUNDA RURAL MUNICIPALITY RATE ANALYSIS (RAMECHHAP) 2083/84
FOR UC**

Tools and Equipments	3%		252.50
			7.58
		Sub-Total	260.08
			260.08

Rate (Per No) = **26.01**

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११-१ ग
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५० मी.मी. (२") वाक्लो सिमेन्ट कंक्रीट (१:२:४) फ्लोर ढलान गरी
सिमेन्ट घोटी तयार गर्ने ।

दर विश्लेषणको लागि १० व.मी. लिइएको

स्रोत साधन	तह/किसिम	परिमाण	एकाई	दर प्रति एकाई	रकम
श्रमिक	क) सिपालु	1.25	जवान	१२००/००	१५००/००
	ख) ज्यामी	2.50	जवान	९३०/००	२३२५/००
निर्माण सामग्री	सिमेन्ट	0.17	मे.ट.	२०९९/८१०३	३५६९/६६
	वालुवा	0.23	घ.मी.	४८९४/८६	११२५/८१
	२० मी.मी रोडा	0.46	घ.मी.	४९५९/८६	२२८१/५३

वास्तविक दररेट

दर प्रति व.मी को

१०८०२/००

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रु. १०८०/२० पै.

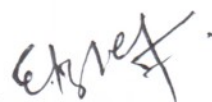
जम्मा दर रेट

१०

Prepared By.



Checked By:



Approved By:


Ngawa Sherpa
Chief Administrative Officer

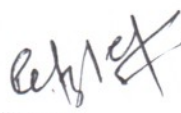
Rate analysis for Wood work for door and window 2083/84 FOR UC

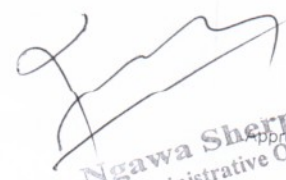
<u>Making frame by sal (Agrakh) wood</u>	
Door Size (900 X 2100 mm), wood size (100X75mm)	
For rate analysis take 1c.m. of wood	
<u>Making frame by local hard wood</u>	283,418.55 m3
Door Size (900 X 2100 mm), wood size (100X75mm)	
For rate analysis take 1c.m. of wood	
<u>Making 38mm thick shutter for door and window by Agrakh wood</u>	139,362.78 m3
For rate analysis take 1.07 mX 1.982 m = 2.114 sq.m. area	
G. Total	30085.31
per sq.m	14,231.46 m2
<u>Making 38mm thick shutter for door and window by Local hard wood</u>	
For rate analysis take 1.07 mX 1.982 m = 2.114 sq.m. area	
G. Total	23637.31
per sq.m	11181.32 m2
<u>Making 38mm thick frame by Sal wood (Agrakh) and fixing 4mm thick glass</u>	
For rate analysis take 1.829X1.22 = 2.23 sq.m. area	
G. Total	25584.45
per sq.m	11,472.85 m2
<u>Fixing 3.5mm thk. Commercial ply on both side in 38mm thick frame by Agrakh wood</u>	
For rate analysis take 1.092X2.058 = 2.245 sq.m. area	
G. Total	18248.02
per sq.m	8,128.30 m2
<u>Fixing 0.37 mm thk. G.I Plain sheet (both side) in 38mm thick frame by Agrakh wood</u>	
For rate analysis take 1.092X2.058 = 2.245 sq.m. area	
G. Total	18669.94
per sq.m	8,316.23 m2
<u>Fixing 24 gauge Mosquitoo proof wire mesh in 38mm thick frame by Agrakh wood</u>	
For rate analysis take 1.092X2.058 = 2.245 sq.m. area	
G. Total	15774.20
per sq.m	7,026.37 m2
<u>Making and fixing wooden beam and joist of local hard wood</u>	
Local hard wood work for roof truss. For 1 cu.m	
G. Total	108,110.58 m3

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Ngawa Sherpa
Chief Administrative Officer

Manthali to Khimti	Khimti Site	13 Kathmandu -charkot- Manthali (Km)	190.00
		64 Kathmandu -khurkot- Manthali (Km)	130

Basic Rates

Transportation

Highway	19.77	per MT per km	0.01977	per kg per km
Local Road	81.53	per MT per km	0.08153	per kg per km

13	0.26
64	5.22
1kg rate at site	5.47

0.08

Load Unload

Easy	47.66	per quintel	0.4766	per kg
Uneasy	52.31	per quintel	0.5231	per kg
Most Uneasy	65.94	per quintel	0.6594	per kg

9.52

Note yellow highlight is charged

OPC Cement

District Rate	750	per bag	KTM
Wt per bag	50	kg	
Transportation			
Manthali to Khimti	12.8505	per bag	
Khimti to site	260.896	per bag	
Load Unload	26.155	per bag	
Final Rate	1049.9015	per bag	At site
	20.99803	per kg	At site

WHITE CEMENT

District Rate	1231	per kg	KTM
Wt per bag	30.78	kg	
Transportation			
Manthali to Khimti	0.26	per kg	
Khimti to site	5.21792	per kg	
Load Unload	0.4786	per kg	
Final Rate	36.72853	per kg	At site

PPC Cement

District Rate	650	per bag	KTM
Wt per bag	50	kg	
Transportation			
Manthali to Khimti	12.8505	per bag	
Khimti to site	260.896	per bag	
Load Unload	26.155	per bag	
Final Rate	949.9015	per bag	At site
	18.99803	per kg	At site

HDPE pipe

District Rate	318	per kg	manthali
Transportation			
Manthali to Khimti	0.25701	per kg	
Khimti to site	5.21792	per kg	
Load Unload	0.4786	per kg	
Final Rate	321.95353	per kg	At site

kerosene

District Rate	90	per litre	manthali
Transportation			
Manthali to Khimti	0.211	per litre	
Khimti to site	4.279	per litre	
Load Unload	0.429	per litre	
Final Rate	94.918	per litre	At site

For GI pipe : costing and transportation

	Weight per m	Rate per m	Thickness	Rate per Kg
15 mm O GI pipe (medium duty)	1.284	230.00	2.6	295.32
20 mm O GI pipe (medium duty)	1.658	293.00	2.6	485.794
25 mm O GI pipe (medium duty)	2.43	442.00	3.2	1118.20
32 mm O GI pipe (medium duty)	3.270	577.00	3.2	1801.983
40 mm O GI pipe (medium duty)	3.788	665.00	3.2	2519.02
50 mm O GI pipe (medium duty)	5.319	913.00	3.2	4896.247
65 mm O GI pipe (medium duty)	6.349	1168.00	3.2	7415.632
80 mm O GI pipe (medium duty)	8.85	1475.00	4	13053.75
100 mm O GI pipe (medium duty)	12.99	2138.00	4.5	27772.62
125 mm O GI pipe (medium duty)	16.95	3082.00	4.85	52239.9
150 mm O GI pipe (medium duty)	20.00	3730.00	4.85	74600
200 mm O GI pipe (medium duty)	33.2	4985.00	6	165502
15 mm O GI pipe (heavy duty)	1.513	257.00	3.2	388.841
20 mm O GI pipe (heavy duty)	1.969	344.00	3.2	677.336
25 mm O GI pipe (heavy duty)	3.077	520.00	4	1600.04
32 mm O GI pipe (heavy duty)	3.968	665.00	4	2638.72
40 mm O GI pipe (heavy duty)	4.587	770.00	4	3531.99
50 mm O GI pipe (heavy duty)	6.369	1129.00	4.5	7190.603
65 mm O GI pipe (heavy duty)	8.197	1409.00	4.5	11596.575
80 mm O GI pipe (heavy duty)	10.417	1668.00	4.8	17355.546
100 mm O GI pipe (heavy duty)	15.436	2567.00	5.4	39624.232
125 mm O GI pipe (heavy duty)	18.52	3473.00	5.4	64319.960
150 mm O GI pipe (heavy duty)	22.22	3930.00	5.4	87524.0
200 mm O GI pipe (heavy duty)	43.5	5410.00	6	234335

	15mm	20mm	25mm	32mm	40mm	50mm	65mm	80mm	100mm	125mm	150mm	200mm
District Rate	295.32	465.794	1118.26	1891.983	2519.02	4896.247	7415.632	13053.75	27772.62	52239.9	74600	165502
Transportation												
Manthali to Khimti	0.330	0.426	0.65	0.84	0.974	1.367	1.632	2.275	3.339	4.356	5.140	8.533
Khimti to site	0.700	8.651	13.20	17.11	19.785	27.754	33.129	46.179	67.781	88.444	104.358	173.235
Load Unload	0.615	0.794	1.21	1.57	1.813	2.546	3.039	4.236	6.217	8.112	9.572	15.890
Final Rate	302.964	495.665	1133.32	1911.50	2541.572	4887.914	7453.431	13106.439	27849.956	52340.812	74719.071	185696.657
	235.95	298.954	447.95	582.95	670.954	918.954	1173.954	1480.954	2143.954	3087.954	3735.954	4990.954

Steel Bar

TMT(All sizes)

District Rate	97.00	per kg	Ktm
Transportation			
Manthali to Khimti	0.26	per kg	
Khimti to site	5.21792	per kg	
Load Unload	0.5231	per kg	
Final Rate	103.00	per kg	At site

TOR(All sizes)

District Rate	94.00	per kg	Ktm
Transportation			
Manthali to Khimti	0.26	per kg	
Khimti to site	5.21792	per kg	
Load Unload	0.5231	per kg	
Final Rate	100.00	per kg	At site

Binding Wire

District Rate	116.00	per kg	Ktm
Transportation			
Manthali to Khimti	0.26	per kg	
Khimti to site	5.21792	per kg	
Load Unload	0.4786	per kg	
Final Rate	124.95	per kg	At site

Barbed Wire(12 gauge)

District Rate	126	per kg	Ktm
Transportation			
Manthali to Khimti	0.26	per kg	
Khimti to site	5.21792	per kg	
Load Unload	0.52	per kg	
Final Rate	132.00	per kg	At site
	39.60	per m	At site

GI Wire (Medium)

District Rate	127	per kg	Ktm
Transportation			
Manthali to Khimti	0.26	per kg	
Khimti to site	5.21792	per kg	
Load Unload	0.5231	per kg	
Final Rate	133.00	per kg	At site

GI Wire (Heavy)

District Rate	133	per kg	Ktm
Transportation			
Manthali to Khimti	0.26	per kg	
Khimti to site	5.21792	per kg	
Load Unload	0.5231	per kg	
Final Rate	139.00	per kg	At site

Nail

District Rate	120	per kg	manthali
Transportation			
Manthali to Khimti	0.26	per kg	
Khimti to site	5.21792	per kg	
Load Unload	0.5231	per kg	
Final Rate	126.00	per kg	At site

GI Wire (Medium)

District Rate	127	per kg	Jkpr
Transportation			
Manthali to Khimti	0.26	per kg	
Khimti to site	5.21792	per kg	
Load Unload	0.5231	per kg	
Final Rate	133.00	per kg	At site

GI Wire (Heavy)

District Rate	133	per kg	manthali
Transportation			
Manthali to Khimti	0.26	per kg	
Khimti to site	5.21792	per kg	
Load Unload	0.5231	per kg	
Final Rate	139.00	per kg	At site

Bricks

	Class I	Class II	Mitha Pak
District Rate	15.22	9	13
	per piece	per piece	per piece
	Ktm	Ktm	Jkpr

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Checked By

Ngawa Sherpa
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Weight per brick	3.01	kg	3.01	kg	3.01	kg
Transportation	0.77	per piece	0.77	per piece	0.26	per piece
Manthali to Khimti	15.70	per piece	15.70	per piece	5.22	per piece
Khimti to site	1.44	per piece	1.44	per piece	1.44	per piece
Load Unload	33.13	per piece	26.91	per piece	19.91	per piece
Final Rate		At site		At site		At site

Wood						
Sal Wood(Agrak)						
District Rate	176,752.80	per m3		per m3		per m3
Density	800.00	kg/m3		kg/m3		kg/m3
Transportation	205.61	per m3		per m3		per m3
Manthali to Khimti	4174.336	per m3		per m3		per m3
Khimti to site	382.88	per m3		per m3		per m3
Load Unload	181515.62	per m3		per m3		per m3
Final Rate		At site		At site		At site

Plywood						
Commercial						
District Rate	3 mm	4 mm	6 mm	8 mm	12 mm	18 mm
Wt per m2	2.00	2.67	4.00	5.33	8.00	12.00
Transportation	2.53	2.78	2.78	2.78	2.78	2.78
Manthali to Khimti	2,116.78	2,231.48	2,231.48	2,231.48	2,231.48	2,231.48
Khimti to site	1.05	1.15	1.15	1.15	1.15	1.15
Load Unload	274.79	295.67	295.67	295.67	295.67	295.67
Final Rate						

Plywood						
Commercial						
District Rate	3 mm	4 mm	6 mm	8 mm	12 mm	18 mm
Wt per m2	26.5	35	43	45	49	58
Transportation	274.38	387.36	462.68	516.48	624.08	888.64
Manthali to Khimti	2.00	2.20	3.80	5.50	8.50	12.00
Khimti to site	0.51	0.57	0.98	1.41	2.18	3.18
Load Unload	10,435.84	11,479.424	19,828.096	28,698.56	44,352.32	66,525.44
Final Rate	286.38	400.56	485.47	549.47	707.34	913.55

Structural Steel						
Iron tubular truss with welding						
District Rate	152	94	89	142	147/kg	
Wt per m2						
Transportation	0.26	0.26	0.26	0.26		
Manthali to Khimti	5,217.92	5,217.92	5,217.92	5,217.92		
Khimti to site	0.52	0.52	0.52	0.52		
Load Unload	158.00	100.00	95.00	148.00		
Final Rate						

mosquito proof wire mesh						
Fly proof						
District Rate	114	258	517	73	119	7818.08
Wt per m2	0.3	0.4	0.5	0.5	0.5	20
Transportation	0.08	0.00	0.00	0.00	0.00	20
Manthali to Khimti	1.57	2.09	2.61	2.61	2.61	104.36
Khimti to site	0.16	0.21	0.26	0.26	0.26	10.46
Load Unload	115.80	260.30	519.87	75.87	121.87	7732.90
Final Rate						

Ms square solid bar upto 16 mm						
District Rate	89	94	89	94	95	99
Wt per m2						
Transportation	0.26	0.26	0.26	0.26	0.26	0.26
Manthali to Khimti	5,217.92	5,217.92	5,217.92	5,217.92	5,217.92	5,217.92
Khimti to site	0.52	0.52	0.52	0.52	0.52	0.52
Load Unload	95.00	100.00	95.00	100.00	101.00	105.00
Final Rate						

CGI sheet						
Plain						
District Rate	30 Gauge 0.24mm	28 Gauge .31mm	26 Gauge .41mm	24 Gauge .52mm	22 Gauge .60mm	20 Gauge .75mm
Wt per m2	339.10	413.54	529.39	696.17	948.80	1215.96
Transportation	2.39	2.97	3.57	4.76	6.36	8.54
Manthali to Khimti	0.61	0.76	0.92	1.22	1.63	2.18
Khimti to site	12.47	15.50	18.63	24.84	31.10	40.61
Load Unload	359.44	431.35	550.60	724.72	982.55	1258.25
Final Rate						

Heavy CGI sheet (Galvanised corrugated)						
Noncoloured						
District Rate	30 Gauge heavy (.24mm)	28 Gauge heavy (.31mm)	26 Gauge heavy (.41mm)	24 Gauge heavy (.52mm)	22 Gauge heavy (.60mm)	20 Gauge heavy (.75mm)
Wt per bundle	5945	7250	9281	12205	16599	21854
District Rate	17.53	17.53	17.53	17.53	17.53	17.53
Wt per m2	339.10	413.54	529.39	696.17	948.80	1215.96
Transportation	2.39	2.97	3.57	4.76	6.36	8.54
Manthali to Khimti	0.61	0.76	0.92	1.22	1.63	2.18
Khimti to site	12.47	15.50	18.63	24.84	31.10	40.61
Load Unload	1.25	1.55	1.87	2.49	3.12	4.06
Final Rate						

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Chief Administrative Officer

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Office of Umakunda rural municipality
Preeti, Ramechhap
Bagmati Province, Nepal

Final Rate	353.44	431.35	550.80	724.72	982.55	426.28	508.01	637.44	788.89	1105.36	per m2	At site
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Ridge Cover Colour

District Rate m per bundle District Rate Wt per m2 Transportation Manthali to Khumti Khumti to site Load Unload Final Rate	Janakpur					Manthali					Ktm	At site
	30 Gauge .24mm	28 Gauge .31mm	26 Gauge .41mm	24 Gauge .52mm	22 Gauge .75mm	30 Gauge .24mm	28 Gauge .31mm	26 Gauge .41mm	24 Gauge .52mm	22 Gauge .75mm		
District Rate	5945	7250	9281	12205	16589	7222	8584	10800.00	13330.00	18752	per m2	
District Rate	16.73	16.73	16.73	16.73	16.73	16.73	16.73	16.73	16.73	16.73	per m2	
District Rate	355.38	433.39	554.80	729.59	992.25	431.72	513.73	645.60	790.84	1120.95	per m2	
Transportation	2.39	2.97	3.57	4.76	5.96	2.39	2.97	3.57	4.76	5.96	kg per m2	
Manthali to Khumti	0.61	0.76	0.92	1.22	1.53	0.61	0.76	0.92	1.22	1.53	per m2	
Khumti to site	12.47	15.50	18.63	24.84	31.10	12.47	15.50	18.63	24.84	31.10	per m2	
Load Unload	1.25	1.55	1.87	2.49	3.12	1.25	1.55	1.87	2.49	3.12	per m2	
Final Rate	430.65	457.40	576.97	696.61	848.30	430.65	457.40	576.97	696.61	848.30	per m2	At site
	215.33	228.70	288.48	348.30	429.53	215.33	228.70	288.48	348.30	429.53	per m2	At site

Galvanized Plain CGI Sheet

District Rate m2 per bundle District Rate Wt per m2 Transportation Manthali to Khumti Khumti to site Load Unload Final Rate	Noncoloured					Coloured					Manthali	At site
	30 Gauge .24mm	28 Gauge .31mm	26 Gauge .41mm	24 Gauge .52mm	22 Gauge .75mm	30 Gauge .24mm	28 Gauge .31mm	26 Gauge .41mm	24 Gauge .52mm	22 Gauge .75mm		
District Rate	5945	7250	9281	12205	16589	7222	8584	10800.00	13330.00	18752	per bundle	
District Rate	16.73	16.73	16.73	16.73	16.73	16.73	16.73	16.73	16.73	16.73	per m2	
District Rate	355.38	433.39	554.80	729.59	992.25	431.72	513.73	645.60	790.84	1120.95	per m2	
Transportation	2.39	2.97	3.57	4.76	5.96	2.39	2.97	3.57	4.76	5.96	kg per m2	
Manthali to Khumti	0.61	0.76	0.92	1.22	1.53	0.61	0.76	0.92	1.22	1.53	per m2	
Khumti to site	12.47	15.50	18.63	24.84	31.10	12.47	15.50	18.63	24.84	31.10	per m2	
Load Unload	1.25	1.55	1.87	2.49	3.12	1.25	1.55	1.87	2.49	3.12	per m2	
Final Rate	369.71	451.20	576.21	758.14	1028.00	369.71	451.20	576.21	758.14	1028.00	per m2	At site
	215.33	228.70	288.48	348.30	429.53	215.33	228.70	288.48	348.30	429.53	per m2	At site

Glass

	Plain Glass					Printed Glass		Poly fibre	Black Glass	
	3mm	3.5 mm	4 mm	5 mm	6 mm	3 mm	4 mm	6 mm	4 mm	
District Rate	51	58	67	85	100	58	87	154	107	Ktm
m2 per ft2	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76	
District Rate	548.76	624.08	720.92	914.60	1076.00	1657.04	1076	1076	1076	
Wt per m2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Transportation										At site
Manthali to Khumti Khumti to site Load Unload Final Rate	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	
	13.04	13.04	13.04	13.04	13.04	13.04	13.04	13.04	13.04	
	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	
	563.76	639.08	735.92	929.60	1091.00	1672.04	617.56	735.92	1672.04	

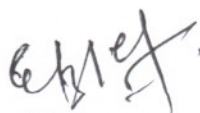
Paint

District Rate Transportation Manthali to Khumti Khumti to site Load Unload Final Rate	Cement Primer	cement paint	colour lime	Enamel	wood primer	Aluminium paint	plastic Emulsion Paint (Interior)	Weather Coat Exterior	Wasable Distemper	Lime	Manthali	At site
	258	66	36	499	341	409	501	597	165	19		
District Rate	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	per kg	
Transportation	5.22	5.22	5.22	5.22	5.22	5.22	5.22	5.22	5.22	5.22	per kg	
Manthali to Khumti	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	per kg	
Khumti to site	262.00	72.00	42.00	502.00	347.00	475.00	507.00	603.00	171.00	25.00	per kg	
Load Unload											per kg	
Final Rate	262.00	72.00	42.00	502.00	347.00	475.00	507.00	603.00	171.00	25.00	per kg	At site

Prepared By



Checked By




Ngawa Sherpa
Chief Administrative Officer

Government of Nepal
Umakunda Rural Municipality
Office of the Rural municipal Executive
Preeti, Ramechhap
Bagmati Province, Nepal

Rate Analysis for Stone Transportaion

Density	2300	kg/m ³		Load Unload	0.4786	per kg
Local Distance	3	km		Transportation	0.08153	per kg per km
				Load Unload	0	
Local Rate	Rs.		1550			
Transportation	Rs.		0			collection meth
Load Unload	Rs.		0			
	Rs.		1550			

3937.00

12800

Rate Analysis for Soil Transportation

Density	1500	kg/m ³		Load Unload	0.4786	per kg
Local Distance	1	km		Transportation	0.08153	per kg per km
				Load Unload	0	
District Rate	Rs.		570	Soil for filling loose	331	Soil for bond loose
Transportation	Rs.		122.295		575	
Load Unload	Rs.		0		122.295	
	Rs.		692.295		0	
					697.295	

Rate Analysis for Aggregate Transportation(manually)

Density	1600	kg/m ³		Load Unload	0.4786	per kg
Distance	22	km		Transportation	0.08153	per kg per km
				Load Unload		
District Rate	Rs.	70 mm above	40 mm -70 mm	10 mm - 40 mm	11 mm - 20 mm	4.75-10mm size
Transportation	Rs.	1848	2058	2163	1950	3219
Load Unload	Rs.	2869.856	2869.856	2869.856	2869.856	2869.856
	Rs.	229.728	229.728	229.728	229.728	229.728
		4947.584	5157.584	5262.584	5049.584	6318.584

Rate Analysis for Aggregate Transportation (Crusher)

Density	1600	kg/m ³		Load Unload	0.4786	per kg
Distance	22	km		Transportation	0.08153	per kg per km
				Load Unload		
District Rate	Rs.	71 mm above	30mm-40mm	20mm-30mm	11 mm - 20 mm	4.75-20mm size
Transportation	Rs.	1500	2090	2185	2090	2090
Load Unload	Rs.	2869.856	2869.856	2869.856	2869.856	2869.856
	Rs.	0	0	0	0	0
		4369.856	4959.856	5054.856	4959.856	4959.856

Rate Analysis for Tile Transportaion

Density	15	kg/m ²		Load Unload	0.4786	per kg
Distance	22	km		Transportation	0.08153	per kg per km
				Load Unload		
District Rate	Rs.	Clay tiles	Porcelain glazed tile(ceramic wall)	For Roofing		
		16.5	56	895		

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Bagmati Province, Nepal

Transportation	Rs.	26.9049	26.9049	26.9049		
Load Unload	Rs.	7.179	7.179	7.179		
	Rs.	50.5839	90.0839	929.0839		

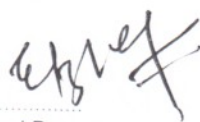
Rate Analysis for Sand and Gravel Transportaion

Density	1600	kg/m3		Load Unload	0.4786	per kg
				Transportation	0.08153	per kg per km
Distance	22	km		Load Unload		
	3	KM for river bed gravel and clapping layer			5	km
		Sand without screening	Sand with screening	River bed Gravel	Capping layer Granular soil	
District Rate	Rs.	1815	2025	1300	550.8	
Transportation	Rs.	2869.856	2869.856	391.344	391.344	
Load Unload	Rs.	0	0	0	0	
	Rs.	4684.856	4894.856	1691.344	942.144	

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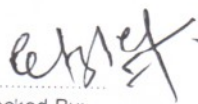
Summary of HDPE pipe

S.N.	Material	Rate per Unit Meter				
		PN 16	PN 12.5	PN 10	PN 6	PN 4
1	20mm dia (external) HDPE pipe	56.16				
	Weight (gm) /Meter	133.50				
	Transportation Cost	1.46				
	Total	57.63				
2	25mm dia (external) HDPE pipe	83.16	70.16			
	Weight (gm) /Meter	206.50	186.50			
	Transportation Cost	2.26	2.04			
	Total	85.42	72.21			
3	32mm dia (external) HDPE pipe	135.09	112.09	95.09		
	Weight (gm) /Meter	336.00	272.60	233.3		
	Transportation Cost	3.68	2.98	2.55		
	Total	138.77	115.08	97.65		
4	40mm dia (external) HDPE pipe	208.17	177.17	147.17	99.17	
	Weight (gm) /Meter	520.50	432.00	358.3	296.9	
	Transportation Cost	5.70	4.73	3.92	3.25	
	Total	213.87	181.90	151.09	102.42	
5	50mm dia (external) HDPE pipe	320.17	271.17	224.17	151.17	
	Weight (gm) /Meter	803.40	669.00	552	455.8	
	Transportation Cost	8.80	7.33	6.04	4.99	
	Total	328.97	278.50	230.21	156.16	
6	63mm dia (external) HDPE pipe	575.75	501.75	430.75	312.75	
	Weight (gm) /Meter	1,263.00	1,041.00	877.9	724.5	
	Transportation Cost	13.83	11.40	9.61	7.93	
	Total	589.58	513.15	440.36	320.68	
7	75mm dia (external) HDPE pipe	783.75	674.75	575.75	411.75	
	Weight (gm) /Meter	1,791.00	1,474.00	1242	1021	
	Transportation Cost	19.61	16.14	13.60	11.18	
	Total	803.36	690.89	589.35	422.93	
8	90mm dia (external) HDPE pipe	1,086.75	925.75	787.75	548.75	
	Weight (gm) /Meter	2,576.00	2,133.00	1777	1860	
	Transportation Cost	28.21	23.36	19.46	20.37	
	Total	1,114.96	949.11	807.21	569.12	
9	110mm dia (external) HDPE pipe	1,627.65	1,378.65	1,161.65	829.65	
	Weight (gm) /Meter	3,821.00	3,161.00	2630	2177	
	Transportation Cost	41.84	34.61	28.80	23.84	
	Total	1,669.49	1,413.26	1,190.45	853.49	
10	125mm dia (external) HDPE pipe	2,057.65	1,751.65	1,461.65	1,024.65	
	Weight (gm) /Meter	4,936.00	4,068.00	3387	2808	
	Transportation Cost	54.05	44.54	37.09	30.75	
	Total	2,111.70	1,796.19	1,498.74	1,055.40	
11	140mm dia (external) HDPE pipe	2,596.50	2,207.50	1,840.50	1,293.50	
	Weight (gm) /Meter	6,177.00	5,106.00	4239	3519	
	Transportation Cost	67.64	55.91	46.42	38.53	
	Total	2,664.14	2,263.41	1,886.91	1,332.03	
12	180mm dia (external) HDPE pipe	4,164.60	3,720.60	2,942.60	2,022.60	
	Weight (gm) /Meter	10,203.00	8,422.00	7018	5790	
	Transportation Cost	111.72	92.22	76.85	63.40	
	Total	4,276.32	3,812.82	3,019.45	2,086.00	
13	200mm dia (external) HDPE pipe	5,114.60	4,304.60	3,582.60	2,467.60	
	Weight (gm) /Meter	12,604.00	10,390.00	8655	7136	
	Transportation Cost	138.01	113.77	94.77	78.14	
	Total	5,252.61	4,418.37	3,677.37	2,545.74	
14	250mm dia (external) HDPE pipe	7,884.60	6,649.60	5,500.60	4,509.60	
	Weight (gm) /Meter	19,657.00	16,181.00	13453	11134	
	Transportation Cost	215.24	177.18	147.31	121.92	
	Total	8,099.84	6,826.78	5,647.91	4,631.52	

Prepared By:



Checked By:



Approved By:


Niraj Sherpa
Chief Administrative Officer

SECTION- 13

13 HDPE, GI and DI PIPE and PIPE FITTINGS

13.1 HDPE pipe Supply, laying and jointing (butt welded joint) including fittings .

13.1.1 20mm dia (external) HDPE pipe
Unit - m (For 1000m)

S/N	Types of labour/materials	Quantity	Unit	PN 16 Rate	PN 16 Amount	PN 12.5 Rate	PN 12.5 Amount	PN 10 Rate	PN 10 Amount	PN 6 Rate	PN 6 Amount	PN 4 Rate	PN 4 Amount	Unit - 1m Remarks
A	Labour													
	Skilled Mason	1.00	PD	1200	1,200.00									
	Semi Skilled Labour	1.00	PD	930	930.00									
B	Unskilled Labour	2.00	PD	930	1,860.00									
	Materials													
	20mm dia (external) HDPE pipe	1,000.00	m	52.00	52,000.00									
C	Tools and Equipments													
	Rent of Electric Generator	1.00	PD											
	Rent of Mechanical Jack	1.00	PD											
	Rent of Tools and Plants	1.00	PD	150	150.00									
	Kerosene	0.25	Ltr	94.9183846	23.73									
	Subtotal				56,163.73									
	Grand Total				56,163.73									
	Rate /m				56.16									

13.1.2 25mm dia (external) HDPE pipe
Unit - m (For 1000m)

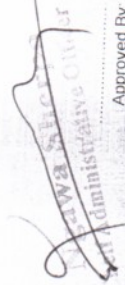
S/N	Types of labour/materials	Quantity	Unit	PN 16 Rate	PN 16 Amount	PN 12.5 Rate	PN 12.5 Amount	PN 10 Rate	PN 10 Amount	PN 6 Rate	PN 6 Amount	PN 4 Rate	PN 4 Amount	Unit - 1m Remarks
A	Labour													
	Skilled Mason	1.00	PD	1200	1,200.00	1200	1,200.00							
	Semi Skilled Labour	1.00	PD	930	930.00	930	930.00							
B	Unskilled Labour	2.00	PD	930	1,860.00	930	1,860.00							
	Materials													
	25mm dia (external) HDPE pipe	1,000.00	m	79.00	79,000.00	66.00	66,000.00							
C	Tools and Equipments													
	Rent of Electric Generator	1.00	PD											
	Rent of Mechanical Jack	1.00	PD											
	Rent of Tools and Plants	1.00	PD	150	150.00	150	150.00							
	Kerosene	0.25	Ltr	94.9183846	23.73	94.918385	23.73							
	Subtotal				83,163.73		70,163.73							
	Grand Total				83,163.73		70,163.73							
	Rate /m				83.16		70.16							

13.1.3 32mm dia (external) HDPE pipe
Unit - m (For 1000m)

S/N	Types of labour/materials	Quantity	Unit	PN 16 Rate	PN 16 Amount	PN 12.5 Rate	PN 12.5 Amount	PN 10 Rate	PN 10 Amount	PN 6 Rate	PN 6 Amount	PN 4 Rate	PN 4 Amount	Unit - 1m Remarks
A	Labour													
	Skilled Mason	1.00	PD	1200	1,200.00	1200	1,200.00	1200	1,200.00					
	Semi Skilled Labour	1.00	PD	930	930.00	930	930.00	930	930.00					
B	Unskilled Labour	3.00	PD	930	2,790.00	930	2,790.00	930	2,790.00					
	Materials													
	32mm dia (external) HDPE pipe	1,000.00	m	130.00	130,000.00	107.00	107,000.00	90.00	90,000.00					
C	Tools and Equipments													
	Electric Generator	1.00	PD			0	0							

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Administrative Officer

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13.1.4 40mm dia (external) HDPE pipe

Unit - m (For 1000m)

Unit - m (For 1000m)												
S N	Types of labour/Materials		Quantity	PN 16		PN 12.5		PN 10		PN 6		PN 4
A	Labour	Unit		Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate
	Skilled Mason	PD	1.50	1200		1200	1,800.00	1200	1,800.00	1200	1,800.00	
	Semi Skilled Labour	PD	1.50	930		930	1,395.00	930	1,395.00	930	1,395.00	
	Unskilled Labour	PD	3.00	930		930	2,790.00	930	2,790.00	930	2,790.00	
B	Materials											
	40mm dia (external) HDPE pipe		1,000.00									
C	Tools and Equipments	m		202.00	202,000.00	171.00	171,000.00	141.00	141,000.00	83.00	93,000.00	
	Electric Generator	PD	1.00		-		-		-		-	
	Rent of Mechanical Jack	PD	1.00		-		-		-		-	
	Rent of Tools and Plants	PD	1.00		-		-		-		-	
	Kerosene	PD	0.37	150	150.00	150	150.00	150	150.00	150	150.00	
	Subtotal	Ltr		94.9183846	35.12	94.918385	35.12	94.91838	35.12	94.918385	35.12	
					208,170.12		177,170.12		147,170.12		99,170.12	
	Grand Total				208,170.12		177,170.12		147,170.12		99,170.12	
	Rate /m				208.17		177.17		147.17		99.17	

13.1.5 50mm dia (external) HDPE pipe

13.1.5 50mm dia (external) HDPE pipe

Unit - m (For 1000m)

S N		Types of labour/materials		Quantity	PN 16		PN 12.5		PN 10		PN 6		PN 4	
A		Labour	Unit		Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
		Skilled Mason	PD	1.50	1200	1800	1200	1800	1200	1800	1200	1800	1200	1800
		Semi Skilled Labour	PD	1.50	930	1395	930	1395	930	1395	930	1395	930	1395
		Unskilled Labour	PD	3.00	930	2790	930	2790	930	2790	930	2790	930	2790
B		Materials												
		50mm dia (external) HDPE pipe		1,000.00										
C		Tools and Equipments	m		314	314000.00	265	265,000.00	218	218000	145	145000	116.86913	116,869.13
		Electric Generator	PD	1.00										
		Rent of Mechanical Jack	PD	1.00										
		Rent of Tools and Plants	PD	1.00										
		Kerosene	PD	1.00										
		Subtotal	lit	0.37	94.9183846	35.1198023	150	150	150	150	150	150	150	150
						320,170.12	94.918385	35,1198023	94.91838	35,1198023	94.918385	35,1198023	94.918385	35,12
		Grand Total						271,170.12	224,170.12	224,170.12	151,170.12	151,170.12	123,039.25	123,039.25
		Rate /m				320.17		271.170.12	224.17	224.17	151.17	151.17	123.039.25	123.04

13.1.6 63mm dia (external) HDPE pipe

Unit - m (For 50m)

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Prepared By:

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Checked By:

Ngawa Sherpa
Representative Officer
Approved By

13.1.7 75mm dia (external) HDPE pipe

13.1.8 90mm dia (external) HDPE pipe
Unit - m (For 50m)

13.1.9 110mm dia (external) HDPE pipe

Checked By:

Prepared By:

Approved By: _____
Chief Administrative Officer

Unit - m (For 50m)

S.N	Types of labour/Materials	Quantity	Unit	PN 16	PN 12.5	PN 10	PN 6	PN 4
A	Labour			Rate	Amount	Rate	Amount	Rate
	Skilled Mason	1.50	PD	1200	1800	1200	1800	1200
	Semi Skilled Labour	1.50	PD	930	1395	930	1395	930
	Unskilled Labour	3.00	PD	930	2790	930	2790	930
B	Materials							
	110mm dia (external) HDPE pipe	50.00	m	1504.00	75200.00	1255.00	62750.00	1038.00
C	Tools and Equipments							
	Electric Generator	1.00	PD					
	Rent of Mechanical Jack	1.00	PD					
	Rent of Tools and Plants	1.00	PD					
	Kerosene	0.50	Ltr	94.9183846	47.4591923	94.91838	47.4591923	94.918385
	Subtotal				81,382.46		58,082.46	
	Grand Total				1,627.65		1,161.65	
	Rate /m							

13.1.10 125mm dia (external) HDPE pipe
Unit - m (For 50m)

S.N	Types of labour/Materials	Quantity	Unit	PN 16	PN 12.5	PN 10	PN 6	PN 4
A	Labour			Rate	Amount	Rate	Amount	Rate
	Skilled Mason	1.50	PD	1200	1800	1200	1800	1200
	Semi Skilled Labour	1.50	PD	930	1395	930	1395	930
	Unskilled Labour	3.00	PD	930	2790	930	2790	930
B	Materials							
	125mm dia (external) HDPE pipe	50.00	m	1834.00	96700.00	1628.00	81400.00	1338.00
C	Tools and Equipments							
	Electric Generator	1.00	PD					
	Rent of Mechanical Jack	1.00	PD					
	Rent of Tools and Plants	1.00	PD					
	Kerosene	0.50	Ltr	94.9183846	47.4591923	94.918385	47.4591923	94.918385
	Subtotal				102,882.46		73,082.46	
	Grand Total				102,882.46		73,082.46	
	Rate /m				2,057.65		1,461.65	

13.1.11 140mm dia (external) HDPE pipe
Unit - m (For 50m)

S.N	Types of labour/Materials	Quantity	Unit	PN 16	PN 12.5	PN 10	PN 6	PN 4
A	Labour			Rate	Amount	Rate	Amount	Rate
	Skilled Mason	2.00	PD	1200	2400	1200	2400	1200
	Semi Skilled Labour	2.00	PD	930	1860	930	1860	930
	Unskilled Labour	4.00	PD	930	3720	930	3720	930
B	Materials							
	140mm dia (external) HDPE pipe	50.00	m	2432.00	121600.00	2043.00	102150.00	1678.00
C	Tools and Equipments							
	Electric Generator	1.00	PD					
	Rent of Mechanical Jack	1.00	PD					
	Rent of Tools and Plants	1.00	PD					
	Kerosene	1.00	Ltr	94.9183846	94.9183846	94.91838	94.918385	94.918385
	Misc. expenses@2.5% of labour cost				129,824.92		110,374.92	
	Subtotal				129,824.92		92,024.92	
	Grand Total				129,824.92		92,024.92	
	Rate /m							

Prepared By


Checked By
Ngawa Sherpa
Administrative Officer

Approved By
Ngawa Sherpa
Administrative Officer

Prepared By: 

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Checked By:

13.1.11 400mm dia (external) HDPE pipe
Unit - m (For 50m)

13.2 GI pipe Supply, laying and jointing (Socket joint) excluding fittings

13.2.1	15mm dia. GI pipe (medium duty)
	Unit - m (For 30m)

Checked By:

13.2.2 20mm dia. GI pipe
Unit - m (For 30m)

13.2.3 25mm dia. GI pipe
Unit - m (For 30m)

13.2.4 32mm dia. GI pipe
Unit - m (For 30m)

Prepared By: 

Checked By:

13.2.7		65mm dia. GI pipe Unit - m (For 30m)				1,088.35
S/N	Types of labour/Materials	Quantity	Unit	Rate	Amount	Remarks
A	Labour					
	Skilled Mason	1.25	PD	1200	1500	
	Semi Skilled Labour	2.00	PD	930	1860	
	Unskilled Labour	3.00	PD	930	2790	
B	Materials					
	65mm dia GI pipe	30.00	m	1173.95353	35218.6059	
C	Tools and Equipments					
	Red lead, hemp etc. 10% of labour cost					
	Subtotal			615.00	615	
					41,983.61	
	Grand Total				41,983.61	
	Rate /m				1,399.45	

13.2.8 80mm dia. GI pipe
Unit - m (For 30m)

SN	Types of Labour/Materials	Quantity	Unit	Rate	Amount	Remarks
A	Labour					
	Skilled Mason	1.25	PD	1200	1500	
	Semi Skilled Labour	2.00	PD	930	1860	
B	Materials					
	80mm dia GI pipe	3.00	PD	930	2790	
	Tools and Equipments					
C	Red lead, hemp etc. 10% of labour cost					
	Subtotal	30.00	m	1480.95353	44428.6059	
	Grand Total			615.00	615	
	Rate /m				51,193.61	
					1,706.45	

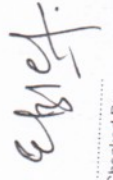
13.2.9 100mm dia. GI pipe
Unit - m (For 30m)

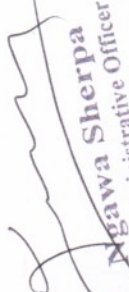
SN	Types of Labour/Materials	Quantity	Unit	Rate	Amount	Remarks
A	Labour					
	Skilled Mason	1.75	PD	1200	2100	
	Semi Skilled Labour	2.00	PD	930	1860	
B	Materials					
	100mm dia GI pipe	4.00	PD	930	3720	
	Tools and Equipments					
C	Red lead, hemp etc. 10% of labour cost					
	Subtotal	30.00	m	2143.95353	64318.6059	
	Grand Total			768.00	768	
	Rate /m				72,766.61	
					2,425.55	

13.2.10 125mm dia. GI pipe
Unit - m (For 30m)

SN	Types of Labour/Materials	Quantity	Unit	Rate	Amount	Remarks
A	Labour					
	Skilled Mason	2.00	PD	1200	2400	
	Semi Skilled Labour	2.50	PD	930	2325	
B	Materials					
	125mm dia GI pipe	5.00	PD	930	4650	
	Tools and Equipments					
C	Red lead, hemp etc. 10% of labour cost					
	Subtotal	30.00	m	3087.95353	92638.6059	
	Grand Total			937.50	937.5	
	Rate /m				102,951.11	
					102,951.11	
					3,431.70	

Prepared By: 

Checked By: 


Ngawa Sherpa
Chief Administrative Officer
Approved By: _____

13.2.11 150mm dia. GI pipe
Unit - Rm (For 30m)

SN	Types of labour/Materials	Quantity	Unit	Rate	Amount	Remarks
A	Labour					
	Skilled Mason	2.50	PD	1200	3000	
	Semi Skilled Labour	3.00	PD	930	2790	
	Unskilled Labour	6.00	PD	930	5580	
B	Materials					
	150mm dia. GI pipe	30.00	m	3735.95353	112078.6059	
C	Tools and Equipments					
	Red lead, hemp etc. 10% of labour cost			1,137.00	1137	
	Subtotal				124,585.61	
	Grand Total				124,585.61	
	Rate /m				4,152.85	

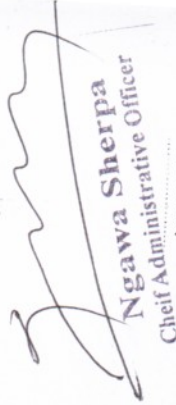
13.2.12 200mm dia. GI pipe
Unit - Rm (For 30m)

SN	Types of labour/Materials	Quantity	Unit	Rate	Amount	Remarks
A	Labour					
	Skilled Mason	3.00	PD	1200	3600	
	Semi Skilled Labour	3.50	PD	930	3255	
	Unskilled Labour	7.00	PD	930	6510	
B	Materials					
	200mm dia. GI pipe	30.00	m	4990.95353	149728.6059	
C	Tools and Equipments					
	Red lead, hemp etc. 10% of labour cost			1,336.50	1336.5	
	Subtotal				164,430.11	
	Grand Total				164,430.11	
	Rate /m				5,481.00	

Prepared By: 

Checked By:

Chief


Ngawa Sherpa
Chief Administrative Officer

DIMENSION AND WEIGHT OF HDPE PIPES AS PER IS:4984-1995 PE 100

Outside Diameter (mm)	Tolerance on outside diameter (mm)	PN 4			PN 6			PN 10			PN 12.5			PN 16		
		Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
20	Wall thickness (mm)															
	Gm per meter	---	---	---	---	---	---	---	---	---	---	---	---	2.3	2.8	2.55
25	Wall thickness (mm)													122.1	144.5	133.5
	Gm per meter	---	---	---	---	---	---	---	---	---	2.3	2.8	2.55		3.4	3.15
32	Wall thickness (mm)										156.6	186.5	171.7	192.3	220.3	206.5
	Gm per meter	---	---	---	---	---	---	2.4	2.9	2.65	2.9	3.4	3.15		4.3	4
40	Wall thickness (mm)							213.1	253.2	233.3	253.2	291.7	272.6	314.1	357.3	336
	Gm per meter	---	---	---	---	---	---	3	3.5	3.25	3.7	4.3	4	4.6	5.3	4.95
50	Wall thickness (mm)													488.5	551.7	520.5
	Gm per meter	2.3	2.8	2.55	2.4	2.9	2.65	270.7	322.8	296.9	333	383.3	358.3	402.9	460.5	432
63	Wall thickness (mm)															
	Gm per meter	329.1	396.5	363	423	488.3	455.8	513.9	589.5	552	626.5	710.7	669	757.5	848.3	803.4
75	Wall thickness (mm)															
	Gm per meter	522.9	607.9	565.6	674.9	773.5	724.5	822	933.1	877.9	979.8	1102	1041	1191	1334	1263
75	Wall thickness (mm)															
	Gm per meter	3.5	4.1	3.8	4.5	5.2	4.85	5.6	6.4	6	6.8	7.7	7.25	8.5	9.6	9.05

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Chief

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Ngawa Sherpa
 Chief Administrative Officer

Gm per meter		750.8	872.1	811.7	951.8	1089	1021	1166	1317	1242	1391	1555	1474	1696	1884	1791
Wall thickness 90 (mm)		4.1	4.8	4.45	5.4	6.2	5.8	6.7	7.6	7.15	8.2	9.3	8.75	10.2	11.5	10.85
Gm per meter		1057	1227	1142	1371	1559	1465	1674	1879	1777	2012	2252	2133	2442	2708	2576
Wall thickness 110 (mm)		5	5.7	5.35	6.6	7.5	7.05	8.1	9.2	8.65	10	11.2	10.6	12.4	13.9	13.15
Gm per meter		1575	1784	1680	2047	2306	2177	2476	2782	2630	3000	3320	3161	3631	4007	3821
Wall thickness 125 (mm)		5.7	6.5	6.1	7.5	8.5	8	9.2	10.4	9.8	11.3	12.7	12	14.1	15.8	14.95
Gm per meter		2040	2311	2176	2644	2971	2808	3196	3576	3387	3854	4279	4068	4691	5176	4936
Wall thickness 140 (mm)		6.4	7.3	6.85	8.4	9.5	8.95	10.3	11.6	10.95	12.7	14.2	13.45	15.8	17.6	16.7
Gm per meter		2565	2906	2736	3316	3719	3519	4008	4468	4239	4850	5359	5106	5887	6463	6177
Wall thickness 160 (mm)		7.3	8.3	7.8	9.6	10.8	10.2	11.8	13.2	12.5	14.5	16.2	15.35	18.1	20.2	19.15
Gm per meter		3344	3777	3561	4332	4834	4584	5246	5813	5531	6329	6989	6661	7705	8472	8092
Wall thickness 180 (mm)		8.2	9.3	8.75	10.8	12.1	11.45	13.3	14.9	14.1	16.3	18.2	17.25	20.3	22.6	21.45
Gm per meter		4226	4763	4495	5482	6095	5790	6651	7380	7018	8005	8834	8422	9726	10672	10203
Wall thickness 200 (mm)		9.1	10.3	9.7	12	13.4	12.7	14.8	16.5	15.65	18.1	20.2	19.15	22.6	25.1	23.85
Gm per meter		5212	5862	5538	6768	7501	7136	8223	9083	8655	9877	10896	10390	12028	13170	12604
Wall thickness 225 (mm)		10.3	11.6	10.95	13.5	15.1	14.3	16.6	18.5	17.55	20.4	22.7	21.55	25.4	28.2	26.8
Gm per meter		6634	7426	7032	8566	9508	9039	10378	11461	10922	12522	13777	13153	15210	16649	15935

DP

Chief

Chief Administrative Officer
Ngawang Sherpa

Wall thickness 250(mm)	11.4	12.8	12.1	15	16.7	15.85	18.4	20.5	19.45	22.6	25.1	23.85	28.2	31.3	29.75
Gm per meter	8160	9108	8636	10575	11688	11134	12784	14114	13453	15418	16935	16181	18764	20536	19657
Wall thickness 280(mm)	12.8	14.3	13.55	16.8	18.7	17.75	20.6	22.9	21.75	25.3	28.1	26.7	31.6	35	33.3
Gm per meter	10260	11399	10831	13265	14659	13965	16031	17663	16851	19332	21235	20289	23548	25725	24645
Wall thickness 315 (mm)	14.4	16.1	15.25	18.9	21	19.95	23.2	25.8	24.5	28.5	31.6	30.05	35.5	39.3	37.4
Gm per meter	12986	14437	13714	16789	18522	17659	20309	22384	21352	24496	26866	25688	29767	32505	31147

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Chief

NSAWA Sheriff
Chief Administrative Officer

DIMENTION AND WEIGHT OF HDPE PIPES AS PER IS-4984-1995 PE 100
HDPE pipe Supply, laying and jointing (butt welded joint) including fittings

Outside Diameter (mm)		Tolerance on outside diameter	PN 4			rate/m PN 4	PN 6			rate/m PN 6
			Min	Max	Avg		Min	Max	Avg	
20	Wall thickness (mm)		---	---	---		---	---	---	
	Gm per meter		---	---	---		---	---	---	
25	Wall thickness (mm)		---	---	---		---	---	---	
	Gm per meter		---	---	---		---	---	---	
32	Wall thickness (mm)		---	---	---		---	---	---	
	Gm per meter		---	---	---		---	---	---	
40	Wall thickness (mm)		---	---	---		---	---	---	
	Gm per meter		---	---	---		2.4	2.9	2.65	99.17
50	Wall thickness (mm)		---	---	---	123.04	270.7	322.8	296.9	
	Gm per meter		2.3	2.8	2.55		3	3.5	3.25	151.17
63	Wall thickness (mm)		329.1	396.5	363	265.85	423	488.3	455.8	
	Gm per meter		2.9	3.4	3.15		3.8	4.4	4.1	312.75
75	Wall thickness (mm)		522.9	607.9	565.6	296.75	674.9	773.5	724.5	
	Gm per meter		3.5	4.1	3.8		4.5	5.2	4.85	411.75
90	Wall thickness (mm)		750.8	872.1	811.7	395.75	951.8	1089	1021	
	Gm per meter		4.1	4.8	4.45		5.4	6.2	5.8	548.75
110	Wall thickness (mm)		1057	1227	1142	581.65	1371	1559	1465	
	Gm per meter		5	5.7	5.35		6.6	7.5	7.05	829.65
125	Wall thickness (mm)		1575	1784	1680	709.65	2047	2306	2177	
	Gm per meter		5.7	6.5	6.1		7.5	8.5	8	1,024.65
			2040	2311	2176		2644	2971	2808	

Outside Diameter (mm)		Tolerance on outside diameter (mm)	PN 10			rate/m PN 10	PN 12.5			rate/m PN 12.5	PN 16			rate/m PN 16
			Min	Max	Avg		Min	Max	Avg		Min	Max	Avg	
20	Wall thickness (mm)		---	---	---		---	---	---		---	---	---	
	Gm per meter		---	---	---		---	---	---		2.3	2.8	2.55	56.16
25	Wall thickness (mm)		---	---	---		---	---	---	70.16	122.1	144.5	133.5	
	Gm per meter		---	---	---		2.3	2.8	2.55		2.9	3.4	3.15	83.16
			---	---	---		156.6	186.5	171.7		192.3	220.3	206.5	

Pray

Ch/Sec

Ngawa Sherpa
Chief Administrative Officer

Government of Nepal
Office of Doramba Rural Municipality Executive
Tokarpur Ramechhap
Bagmati Province, Nepal

32	Wall thickness (mm)				95.09				112.09				135.09
	Gm per meter	2.4	2.9	2.65		2.9	3.4	3.15		3.7	4.3	4	
		213.1	253.2	233.3		253.2	291.7	272.6		314.1	357.3	336	
40	Wall thickness (mm)				147.17				177.17				208.17
	Gm per meter	3	3.5	3.25		3.7	4.3	4		4.6	5.3	4.95	
		333	383.3	358.3		402.9	460.5	432		488.5	551.7	520.5	
50	Wall thickness (mm)				224.17				271.17				320.17
	Gm per meter	3.7	4.3	4		4.6	5.3	4.95		5.7	6.5	6.1	
		513.9	589.5	552		626.5	710.7	669		757.5	848.3	803.4	
63	Wall thickness (mm)				430.75				501.75				575.75
	Gm per meter	4.7	5.4	5.05		5.7	6.5	6.1		7.1	8.1	7.6	
		822	933.1	877.9		979.8	1102	1041		1191	1334	1263	
75	Wall thickness (mm)				575.75				674.75				783.75
	Gm per meter	5.6	6.4	6		6.8	7.7	7.25		8.5	9.6	9.05	
		1166	1317	1242		1391	1555	1474		1696	1884	1791	
90	Wall thickness (mm)				787.75				925.75				1,086.75
	Gm per meter	6.7	7.6	7.15		8.2	9.3	8.75		10.2	11.5	10.85	
		1674	1879	1777		2012	2252	2133		2442	2708	2576	
110	Wall thickness (mm)				1,161.65				1,378.65				1,627.65
	Gm per meter	8.1	9.2	8.65		10	11.2	10.6		12.4	13.9	13.15	
		2476	2782	2630		3000	3320	3161		3631	4007	3821	
125	Wall thickness (mm)				1,461.65				1,751.65				2,057.65
	Gm per meter	9.2	10.4	9.8		11.3	12.7	12		14.1	15.8	14.95	
		3196	3576	3387		3854	4279	4068		4691	5176	4936	

Ngawa Sherpa
Chief Administrative Officer

Government of Nepal
Umakunda Rural Municipality
Office of the Rural municipal Executive
Preeti, Ramechhap
Bagamati Province ,Nepal

GI pipe Supply, laying and jointing (Socket joint)

	Rate per m
15 mmØ GI pipe(medium duty)	326.15
20 mmØ GI pipe(medium duty)	389.15
25 mmØ GI pipe(medium duty)	572.25
32 mmØ GI pipe(medium duty)	707.25
40 mmØ GI pipe(medium duty)	840.35
50 mmØ GI pipe(medium duty)	1088.35
65 mmØ GI pipe(medium duty)	1399.45
80 mmØ GI pipe(medium duty)	1706.45
100 mmØ GI pipe(medium duty)	2425.55
125 mmØ GI pipe(medium duty)	3431.70
150 mmØ GI pipe(medium duty)	4152.85
200 mmØ GI pipe(medium duty)	5481.00

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Prepared By:

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Checked By:

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Approved By:
Rajendra Shérpa
Chief Administrative Officer.

Description of Work:		Providing and Laying Reinforced cement concrete NP3 Flush jointed pipe for culverts including fixing with cement mortar 1:2 as per Drawing and Technical Specifications, 300 mm internal dia.														12.5 meter	
Spec. cl. No: 701																	
Norms No.	Type	Unit	Quantity	Rate	Amount	Type	Unit	Quantity	Rate	Amount	Type	Unit	Quantity	Rate	Amount		
7.2.A	Skilled day		1	1200	1200.0	Sand	cum	0.08	4684.86	374.788	Add 3 % of Labour cost for bellies, crow bars, chain pulley and other T&P						
	Unskilled day		5	930	4650.0	Cement	tonne	0.06	20998	1259.88							
						NP3 RCC Pipe 300 mm dia	meter	12.5	3442	43025							
Sub total of A =					5850.0	Sub total of B =					44659.7	Sub total of C =					175.5
Sub total of A + B + C =					50685.2	Sub total of A + B + C + D =					50685.2	Sub total of D =					0.0
												Norms Rate =					50685.2
												Unit Rate =					4054.81
Description of Work:		Providing and Laying Reinforced cement concrete NP3 Flush jointed pipe for culverts including fixing with cement mortar 1:2 as per Drawing and Technical Specifications, 300 mm internal dia.															

	Unskilled day	7	930	6510.0	Cement	tonne	0.08	20998	1679.84																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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NP3 Pipe for culverts including fixing with cement mortar 1:2 as per Drawing and Technical Specifications, 750 mm internal dia.															12.5 meter	
Norms No.	Labour (A)				Material (B)				Equipment (C)				Formworks (D)			Amount
	Type	Unit	Quantity	Rate	Amount	Type	Unit	Quantity	Rate	Amount	Type	Unit	Quantity	Rate		
2.C	Skilled	day	1	1200	1200.0	Sand	cum	0.1	4684.86	468.486	Add 3 % of Labour cost for bellies, crow bars, chain pulley and other T&P					
	Unskilled	day	7	930	6510.0	Cement	tonne	0.08	20998	1679.84						
						NP3 RCC Pipe	meter	12.5	9164	114550						
						750 mm dia										

NP3 Reinforced cement concrete pipe for culverts including fixing with cement mortar 1:2 as per Drawing and Technical Specifications, 900 mm internal dia.															12.5 meter				
Labour (A)					Material (B)					Equipment (C)					Formworks (D)				
Type	Unit	Quantity	Rate	Amount	Type	Unit	Quantity	Rate	Amount	Type	Unit	Quantity	Rate	Amount	Type	Unit	Quantity	Rate	Amount
Skilled day		1	1200	1200.0	Sand	cum	0.12	4684.86	562.183					259.2					
Unskilled day		8	930	7440.0	Cement	tonne	0.09	20998	1889.82										
					NP3 RCC Pipe 900 mm dia	meter	12.5	12971	162138										
Sub total of A =				8640.0	Sub total of B =				164589.5	Sub total of C =				259.2	Sub total of D =				0.0
Sub total of A + B + C =				173488.7	Sub total of A + B + C + D =				173488.7						Norms Rate =				173488.7
															Unit Rate =				13879.1
Description of Work:															Providing and Laying Reinforced				

Providing and Laying Reinforced cement concrete NP3 Flush jointed pipe for culverts including fixing with cement mortar 1:2 as per Drawing and Technical Specifications, 1000 mm internal dia.										12.5 meter
Equipment (C)										
Type	Unit	Quantity	Rate	Amount	Type	Unit	Quantity	Rate	Amount	Formworks (D)

[Signature]

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Ngawa Sherpa
Chief Administrative Officer

No.	Type	Unit	Quantity	Rate	Amount	Type	Unit	Quantity	Rate	Amount	Type	Unit	Quantity	Rate	Amount
7.2.E	Skilled	day	1.5	1200	1800.0	Sand	cum	0.14	4684.86	655.88	Add 3 % of Labour cost for bellies, crow bars, chain pulley and other T&P				
	Unskilled	day	10	930	9300.0	Cement	tonne	0.1	20998	2099.8					
						NP3 RCC Pipe 1000 mm dia	meter	12.5	14413	180163					
Sub total of A =					11100.0	Sub total of B =					Sub total of C =				
Sub total of A + B + C =					194351.2	Sub total of A + B + C + D =					Sub total of D =				
											Norms Rate =				
											Unit Rate =				

Providing and Laying Reinforced cement concrete NP3 Flush jointed pipe for culverts including fixing with cement mortar 1:2 as per Drawing and Technical Specifications., 1200 mm internal dia.															
Description of Work:															
Spec. cl. No: 701															
Norms No.	Type	Unit	Quantity	Rate	Amount	Type	Unit	Quantity	Rate	Amount	Type	Unit	Quantity	Rate	Amount
7.2.F	Skilled	day	2	1200	2400.0	Sand	cum	0.18	4684.86	843.274	Add 3 % of Labour cost for bellies, crow bars, chain pulley and other T&P				
	Unskilled	day	12	930	11160.0	Cement	tonne	0.14	20998	2939.72					
						NP3 RCC Pipe 1200 mm dia	meter	12.5	17157	214463					
Sub total of A =					13560.0	Sub total of B =					Sub total of C =				
Sub total of A + B + C =					232212.3	Sub total of A + B + C + D =					Sub total of D =				
											Norms Rate =				
											Unit Rate =				

[Signature]

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Ngawa Sherpa
Chief Administrative Officer

Government of Nepal
Umakunda Rural Municipality
Office of the Rural municipal Executive
Preeti, Ramechhap
Bagamati Province, Nepal

Summary of Rate

Roadway Excavation all complete as per specification by Machines
Unit 1 m3

Soil Type	UC					
	Manual Rate	Manual Rate (5%)	Machine Rate	Machine Rate (95%)	UC Rate (Without VAT)	UC Rate (With VAT)
Hard Rock	16284.30	814.22	416.18	395.37	1209.59	1260.98
Medium Rock	3831.60	191.58	241.06	229.01	420.59	450.36
Soft Rock	1915.80	95.79	241.06	229.01	324.80	354.57
Hard Soil	574.74	28.74	123.75	117.56	146.30	161.58
Soft Soil	478.95	23.95	83.92	79.72	103.67	114.04

Note :- 13% VAT is charged only on Machine Rate.

Soil type	Labour contribut	Machine contribu	Total
Hard Rock	67.31	32.69	100.00
Medium Rock	45.55	54.45	100.00
Soft Rock	29.49	70.51	100.00
Hard Soil	19.64	80.36	100.00
Soft Soil	23.10	76.90	100.00

Manual				
Labour Input	Rate	Amount	With 3% TP	Remarks
17	930	15810.00	16284.30	Hard Rock
4	930	3720.00	3831.60	Medium Rock
2	930	1860.00	1915.80	Soft Rock
0.6	930	558.00	574.74	Hard Soil
0.5	930	465.00	478.95	Soft Soil

Prepared By

Checked By

Approved by
Ngawa Sherpa
Chief Administrative Officer

F.Y. 083/084

1) Difficult excavating (hard rock)

$$\text{Fuel: } 1 \text{ hr.} = 10 \text{ lit.}$$

$$1/15.834 \text{ hr.} = 10 \times 1/15.834 \text{ lit.}$$

$$0.632$$

Earth work excavation by Excavator (Class III), Bucket factor (

Unit :cum

Ref.: DoR Norms

$$Q = Q^{\text{std}} \times K \times E \text{ (m}^3/\text{hr.)}$$
156.93

Earth work excavation by Excavator (Class II ; Bucket factor (Average) excavation : 1. Job efficiency average 0.75 (Standard Production for PC 150 : 71 m³/per hour)
Unit : cum
Ref: DoR Norms
Q=Std x K x E (m³/hr)
(3)Average excavating (Hard soil)

$$Q = Q_{std} \times K \times E \text{ (m}^3\text{/hr.)}$$

0.019 hr.	0.188	lit
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Earth work excavation by Excavator (Class I, Bucket factor (Average) excavating : 1.1, Job efficiency good : 0.83, Standard Production for PC 150 : 86 m³/per hour)
Unit : cum
Ref. : DoR Norms
Q=Std v K x E (m³/hr)
4)Average excavating (Soft soil)

$$Q = Q_{std} \times K \times E \text{ (m}^3/\text{hr.)}$$
0.013 hr. 0.127 lit.

Total

2/2/83

Ngawa Sherpa
Chief Administrative Officer

उमाकुण्ड गाउँपालिकाको आ.व.२०८३/०८४ को दररेट कृषि तर्फको

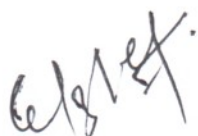
क्र.स.	विवरण	ईकाई	मु.अ.कर बाहेकको दररेट		
			२०८१/८२	२०८२/८३	२०८३/०८४
१	ओखर दाँते थैलिमा	प्रति विरुवा	२००१-	२००१-	२००१-
२	ओखर हाडे थैलिमा	प्रति विरुवा	६०१-	६०१-	६०१-
३	ओखर दाँते कलमी	प्रति विरुवा	७५०१-	७५०१-	७५०१-
४	नास्पाति आरु आरुवखडा हलुवावेद लोकल	प्रति विरुवा	७०१-	७०१-	७०१-
५	किवि १ वर्ष कलमी	प्रति विरुवा	१५०१-	१५०१-	१६२१-
६	किवि २ वर्ष कलमी	प्रति विरुवा	२००१-	२००१-	२६६१-
११	खाली मौरी घर	प्रती घर	४३००		४५०९

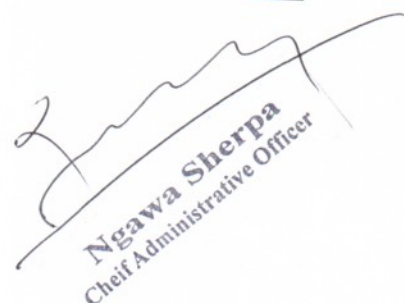
हुवानी यसैमा समावेस हुनेछ ।

१२	अलैंचिको विरुवा	प्रति विरुवा			३०
१३	केरा सकर्स	३-६ महिना			३५
१४	अकवरे खुर्सानी	प्रति विरुवा			५

हुवानी यसमा समावेस नभएको ।






Ngawa Sherpa
 Chief Administrative Officer

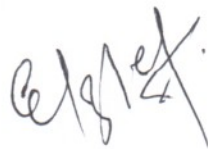
उमकुण्ड गउँपालिकाको आ.व. २०८३/०८४ को पशुपन्छी विक्रस शखको दररेट

सि.न	विवरण	ईकाई	०८१/०८२	०८२/०८३	०८३/०८४	कैफियत
पशुपन्छी सम्बन्धि स्थानीय दररेट						
१३	प्रजन योग्य बोका (वर्णशंकर)	के.जी	-	-	१३१०	
१४	प्रजन योग्य बोका (स्थानीय)	के.जी	-	-	११००	
१६	बोयर बोका (१ वर्ष , ५० %)	के.जी	-	-	१३१०	
१८	बोयर बोका (१ वर्ष , ७५ %)	के.जी	-	-	१५००	
१५	प्रजन योग्य रागो	प्रति पशु	-	-	१००५००	
२१	उन्नत नश्वको गाई(दुहुना)	प्रति पशु	-	-	१४१०००	
२२	उन्नत जातको बंगुर पाठा (४५-६० दिन)	प्रति पशु	-	-	१११००	
२२	उन्नत जातको बंगुर पाठी (४५-६० दिन)	प्रति पशु	-	-	१२१००	

पुनश्च :

- १) माथि उल्लेखित दररेटहरुमा मु.अ.कर समावेश छैन ।
- २) माथि उल्लेखित दररेटहरुमा दुवानी खर्च समावेश छैन ।
- ३) माथि उल्लेखित दररेट स्थानीय तहका कृष फसबाट काटशन माफत निर्धारत गरएका हा ।



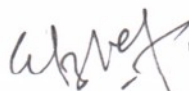



Ngawa Sherpa
 Chief Administrative Officer

PMEP Rate 2083/084

<u>Manpower</u>		
Skilled	960	md
Unskilled	754	md
<u>Stone works</u>		
Stone soling	3556.60	m ³
Manpower	1785.60	
Dry stone wall	5126.18	m ³
Manpower	3113.68	
Stone Masonry(1:4)	9701.78	m ³
Manpower	3455.20	m ³
Stone masonry(1:6)	9402.42	m ³
Manpower	3551.20	
<u>Mannual Works</u>		
Site clerance	8.67	m ³
Earthwork excavation	388.31	m ³
Filling	216.78	m ³
Hard soil	535.87	m ³


..... Create By


..... Checked By


..... Approved