

SALIENT FEATURES OF PROJECT

Chainage : 0+000 to 12+420

1. Name of Road : Kapurkot-Phalawang Road

2. Location:

2.1 Geographical location:

- i) Region: Mid Western Development
- ii) Zone: Rapti
- iii) District: Salyan

2.2 Geographical feature:

- i) Climate: Tropical
- ii) Geology: Hilly
- iii) Hydrology:
- iv) Meteorology: Unevenly Distributed precipitation Controlled by Monsoon.

3. Classification:

- 3.1 Classification:
- 3.2 Existing Surface : Earthen
- 3.3 Proposed Surface : Gravel
- 3.4 DTMP no :

4. Length Of Road

- i) Starting Point: Kapurkot Municipality
- ii) End Point: Kapurkot Municipality
- iii) Length: 12.420 km

5. Cross Section:

- 5.1 Right Of Way: 10 m on either sides.
- 5.2 Formation Width: 5.25m Including Shoulder
- 5.3 Carriage Way Width: 3.75m
- 5.4 Shoulder Width: 0.750 m Each side

6. Cross Drainage Structure:

- 6.1 Hume Pipe Culvert: 29.00 nos
- 6.2 RCC Causeway: 0.00 nos
- 6.3 Dry Stone Causeway: 0.00 nos

7. Structures:

- 7.1 Stone Masonry with C/S Mortar: 2,837.26 m³ [Including drain back wall & X-drainage Structure]
- 7.2 Gabion: 3,573.50 m³ [Including check wall]
- 7.3 Dry Stone Masonry: 0.00 m³

8. Earth Work

- 8.1 E/W in Excavation: 113,003.10 m³
- 8.2 Embankment: 6,535.10 m³

9. Project Cost

- 9.1 Civil works NRs. 100,583,563.21
- 9.2 EMP works NRs. 1,215,143.43
- 9.3 Social Safeguard 3,017,506.90
- Total Cost NRs. 104,816,213.54**
- 9.4 VAT @ 13 % NRs. 13,139,646.87
- 9.5 Contingency @ 5% NRs. 5,053,710.33
- Grand Total NRs. 123,009,570.74**
- Cost Per km NRs. 9,904,152.23 (Including VAT & Contingency)**



Office of Rural Municipal Executive
Kapurkot, Salyan

Name of Road : Kapurkot-Phalawang Road
Chainage :0+000 to 12+420

SUMMARY OF COST

SN	Item	Name of Road	Location	Estimated Amount (NRs.)	Value Added Tax (13 %)	Contingency @ 5%	Total with VAT (NRs.)	Grand Total (Technical+EMP +Safeguard) NRs.	Per Km Cost
1	Technical	Kapurkot-Dhanawang Quarry Access Road	From Ch. 0+000 to 12+420	100,583,563.21	13,075,863.22	5,029,178.16	118,688,604.59	123,009,570.74	9,904,152.23
2	Safeguard			3017506.9			3,017,506.90		
2.1	Social@3%			490,643.43	63,783.65	24,532.17	578,959.25		
2.2	Environmental			724,500.00			724,500.00		
a)	To be included in BoQ								
b)	Not to be included in BoQ								
Total				104,816,213.54	13,139,646.87	5,053,710.33	123,009,570.74		

प्रमाणित प्रति लिपि

2073/2074

प्रमुख प्रशासकीय अधिकृत

Prepared By:

Checked By:

Approved By:

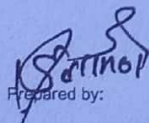
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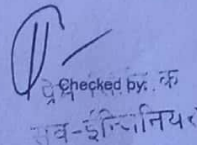
Kapurkot Rural Municipality
Office of Rural Municipal Executive
Kapurkot, Salyan

ABSTRACT OF COST

Name of Road : Kapurkot-Phalawang Road
Chainage : 0+000 to 12+120

S.N.	Pay Item No.	SPEC REF	DESCRIPTION	UNIT	TOTAL QUANTITY	RATE	AMOUNT	REMARKS
	1		General					
1	1.1	SPG 18	Insurance of works, equipment, Contractor's workmen and employees and Third party Insurance against damage to other persons and property.	PS			700,000.00	
2	1.2	SP G-12, G-12.6	Provide and maintain traffic safety, control measures and temporary diversions during construction as instructed by the Engineer.	LS			50,000.00	
3	1.3	SP 5	Carry out additional tests for material and works as required and instructed by the Engineer.	PS			100,000.00	
4	1.4	SP G-16	Relocation of services (electrical pole, lap stand etc) all complete as per engineers instructions.	PS			200,000.00	
5	1.5	SP G-17	Labor camp management and occupational health and safety. Payable at monthly equal installment.	LS			200,000.00	
6	1.6	SPG-19	Provide additional road safety measures as required and instructed by the Engineer.	PS			50,000.00	
							Sub Total	1,300,000.00
	3		Earthworks					
7	3.1	SP 2-1, G, 2-1.9.6	Roadway and drain excavation in all type of soil and rock material including disposal of excavated material at approved environmentally safe tipping sites.	M ³	113003.10	163.73	18,501,997.56	
8	3.2	SP 2-4, G, 2-1.3.10	Earthwork in excavation for foundation of structures in all type of soil and rock material including disposal of excavated material at approved environmentally safe tipping sites.	M ³	2669.78	313.89	838,017.24	
9	3.3	SP 2-5, G, 2-5.7.2, 5	Construction of embankments, shoulders and other miscellaneous filling and backfilling with approved materials including transportation of the material.	M ³	6535.10	165.00	1,078,291.50	
10	3.4	SP 2-5, G	Stripping of top soil including storing & reapplication	M ³	0.00	502.23	-	
11	3.7	SP 2-5, 2-5.7.8	Supply, place and compact graded granular material .	M ³	52.75	1,741.25	91,850.94	
12	3.8	SP 2	Supply and backfill behind structure with suitable common material	M ³	823.35	156.95	129,224.78	
13	3.9	SP 2-10	Providing, laying and fixing of Geo-textile (filter fabrics)	M ²	2936.25	148.36	435,622.05	
							Sub Total	21,075,004.07
	4		Sub-base and Shoulders					
14	4.1	SP 3-1, 5	Preparation of sub grade to designed grade and camber including watering and compaction.	M ²	78,130.00	17.36	1,356,414.93	
15	4.2	SP 3-1, 5	Supply, place and compact quarry sieved sub base material.	M ³	11,307.83	1,865.37	21,093,286.85	
16	4.4	SP 3-1, 5	Supply, place and blend required binding material (red/yellow soil of high plasticity) with sieved sub-base material at stock pile	M ³	-	275.11	-	
							Sub Total	22,449,701.78
	7		Stone Masonry for Structures					
17	7.1	SP 6, 8	Un-coursed dry Rubble Masonry work	M ³	0.00	2,622.84	-	
18	7.3	SP 6, 8, 8-3.10	Supply and place un-coursed random rubble masonry work in 1:4 cement sand mortar.	M ³	2837.26	7,765.40	22,032,458.80	
19	7.7	SP 6, 17	Supply and place dry stone soling.	M ³	39.42	2,056.32	81,060.13	
							Sub Total	22,113,518.93
	8		Gabion Masonry Work for Structures					
20	8.1	SP 19, 6	Supply and place different size rock filled machine made gabion boxes of hexagonal mesh with heavy coated GI wires, mesh size 100 mm x 120 mm, mesh wire 3 mm, selvedge wire 3.9 mm and binding wire 2.4 mm.	M ³	3573.50	3,612.71	12,910,019.19	
							Sub Total	12,910,019.19
	9		Formwork and Surface Finish for Structures					
21	9.1	SP 6, 9	Supply and place formwork for concrete works.	M ²	67.98	693.66	47,155.01	
							Sub Total	47,155.01
	10		Steel Reinforcement for Structures					

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Checked by: 
सब-इन्जिनियर

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प्रमुख कार्यकारी अधिकारी
2065/5/20

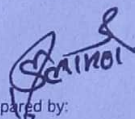
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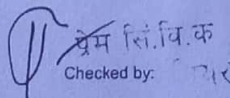
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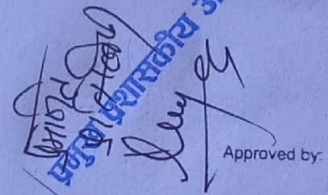
ABSTRACT OF COST

Name of Road : Kapurkot-Phalawang Road
Chainage : 0+000 to 13+900

S.N.	Pay Item No.	SPEC REF	DESCRIPTION	UNIT	TOTAL QUANTITY	RATE	AMOUNT	REMARKS
22	10.1	SP 6, 10	Supply and place high tensile reinforcement including bending, binding etc all complete as specified.	MT	0.00	112,957.45	-	
						Sub Total	-	
	11		Plain and Reinforced Cement Concrete for Structures					
23	11.1	SP 6, 11	Supply and place concrete class M 10/40	M ³	68.93	10,329.92	712,041.39	
24	11.2	SP 6, 11	Supply and place concrete class M 15/40	M ³	1270.26	12,510.97	15,892,184.75	
25	11.3	SP 6, 11	Supply and place concrete class M 20/20	M ³	0.00	15,466.81	-	
						Sub Total	16,604,226.14	
	12		Bio Engineering Works					
26	12.1	SP 27-2-a	Plantation of grass slip including supply of grass slip	M ²	1018.00	237.43	241,703.74	
27	12.4	SP 18	Brush layering works including supply of live pegs	Rm	569.00	86.01	48,939.69	
						Sub Total	290,643.43	
	13		Miscellaneous Work					
28	13.1	SP 20 -1	Supply and place permanent traffic sign.	Nos	120.00	3,151.10	378,132.00	
29	13.2	SP 20 -2	Supply and place standard size sign board for contract information.	Nos	2.00	8,277.11	16,554.22	
30	13.3	SP 20 -3	Supply and place one kilometer stone.	Nos	10.00	3,040.28	30,402.80	
31	13.4	SP 20 -3	Supply and place 5th kilometer stone.	Nos	3.00	6,858.71	20,576.13	
32	13.5	SP 20 -4	Supply and place RCC delineators.	Nos	1000.00	1,312.50	1,312,500.00	
	13.6	SP 15, 6	Supply and place NP-3, RCC Hume pipe.					
33			c) 600 mm diameter pipe	Rm	217.50	7,994.02	1,738,699.35	
34			e) 900 mm diameter pipe	Rm	0.00	13,687.24	-	
35	13.7	SP 6, 11	Supply and placing of precast RCC(M15/20) side drain cover slab (1m*.5m*.15m)	Nos	200.00	2,154.18	430,836.00	
						Sub Total	3,927,700.50	
	14		Day works					
			Day works shall be executed only on the written instruction of the Project Manager.					
	14.1	SP G -15	Labors					
36			a) Skilled	MD	10.00	760.00	7,600.00	
37			b) Unskilled labor	MD	40.00	530.00	21,200.00	
	14.2	SP G -15	Materials					
38			a) Cement	kg	20.00	18.06	361.20	
			b) Sand	M ³	10.00	1,998.09	19,980.89	
40			c) Supply and place NP-3, RCC Hume pipe of dia 30 mm	Rm	50.00	4,341.91	217,095.50	
	14.3	SP G -15	Equipment					
41			Excavator with Breaker 200 PC Minimum including fuel & operator allowance all complete.	Hour	20.00	4,500.00	90,000.00	
						Sub Total	356,237.59	
						Total	101,074,206.64	
						VAT @ 13 %	13,139,646.86	
						Contingencies@5 %	5,053,710.33	
						Social safeguard	3,017,506.90	
42			Awareness training/orintation	Job	1.00	30000.00	30,000.00	
43			Compensatory tree plantation works	Nos	6600.00	45.00	297,000.00	
44			Provision of heralu	Days	750.00	530.00	397,500.00	
						Grand Total	123,009,570.74	
						Per Km. Cost	19,776,458.32	

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