

Axaray Road Pokhara To Harizan Bashi
under Mmasy N103C (Bricks).

Schedule XLV-Form No. 134

MB No- 603/2023-24

Axaray

DIVISION

Axaray

SUB-DIVISION

Uttaraksh Amoud Builders Pvt. Ltd.

MEASUREMENT BOOK

आशुनीय कुमार मदीयिया, स० अ०

2nd on A/c bill

14

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Name of work - Constn of road from					
Areraj Road Pokhara se Harijan					
Basti under MWSY					
Agency - Utkarsh Anand Builders					
Pvt, Ltd					
Agreement No - 01/SB/2023-24					
Agreement value - 163,25,082.20					
Const cost - 15,15,355.20					
Maintenance cost - 11,69,677.20					
Date of work order - 23/06/2023					
Date of completion - 22/06/2024					
Constn of Rec box culvert					
1 nos 2.00 m x 2.00 m					

① B/W in excavation for structure

Box culvert:-

$$1 \times 3.50 \times 7.50 \times 0.65 = 17.06 \text{ m}^3$$

cut off wall:-

$$2 \times 3.50 \times 1.30 \times 1.80 = 16.38 \text{ m}^3$$

R/Wall:-

$$4 \times 2.40 \times 3.88 \times 1.80 = 66.96 \text{ m}^3$$

$$100.40 \text{ m}^3$$

② Prov for 1115 in found

Box culvert:-

$$1 \times 2.50 \times 7.50 \times 0.10 = 1.88 \text{ m}^3$$

R/Wall:-

$$4 \times 2.40 \times 2.88 \times 0.20 = 5.52 \text{ m}^3$$

Continuation

$$7.40 \text{ m}^3$$

~~Small~~
25 11 902
J.E.

207/123
PE

Record Entry

① S/F/F HYSD bars in
- substructure

12mm cp bar

2	x	52	x	2.502
---	---	----	---	-------

$$= 260 \text{ kWh}$$

Co. 89 kg/m	231.40 kg
-------------	-----------

10mm ϕ box:-

$$2 \times 18 \times 7.72 = 277.92 \text{ m}$$

$$2 \times 52 \times 3.75 = 390.0 \text{ MJ}$$

$$2 \times 52 \times 2.15 = 223.60 \text{ h}$$

27	2x	17x	7.50	=	510.00
----	----	-----	------	---	--------

Continuation

1401.527

$0.62 \text{ kg/n} \longrightarrow 868.94 \text{ kg}$

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
8 mm ϕ bars:-					
4 $\times 6.3 \times 0.90 =$					226.80m
				$\times 0.39 \text{ kg/m} =$	88.45kg
					1188.79kg
					= 1.189MT
Summed 05/12/2023 J.E.					
Record Entry					
① Provn Rec 1700 in sub					
structure					
Bottom slab:-					
1 $\times 2.50 \times 7.50 \times 0.25 =$					4.69M ³
Abd:- 2 $\times 7.50 \times 2.00 \times 0.25 =$					7.50M ³
R/W:- 4 $\times 2.10 \times 1.01 \times 1.78 =$					14.38M ³
espig:- 4 $\times 2.40 \times 0.075 =$					0.60M ³
					27.17M ³
② Provn weep holes					
7 $\times 2 + 5 \times 4 =$					34M _g
③ Provn and laying filter					
Material					
Behind Abutment:-					
2 $\times 5.76 \times 0.60 \times 1.70 =$					11.75M ³
Behind R/W:-					
4 $\times 1.40 \times 0.60 \times 2.01 =$					6.75M ³
					18.50M ³
Summed 13/12/2023 J.E.					

Continuation

Scanned by CamScanner

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
② Pavm Rec 1125 in super structure					
Slab- $1 \times 2.50 \times 7.50 \times 0.25 =$					4.6911^3
Heuch- $4 \times 7.50 \times 0.011 =$					0.3411
Kerb- $2 \times 2.50 \times 0.25 \times 0.30 =$					0.3811^3
					5.4011^3
③ Const ⁿ of Rec Railing					
$2 \times 2.50 =$					5.011
④ Drainage spouts					4×111
⑤ Prov ^d laying Cement concrete wearing course 1130					
$1 \times 2.50 \times 7.50 \times 0.075 =$					1.3111^3

E/w calculation sheet

Ch	Area	M. Area	length	Volume
0	0.471			
50	1.658	1.065	50	53.225
100	2.395	2.027	50	101.325
150	2.154	2.275	50	113.725
200	1.757	1.956	50	97.775
250	2.143	1.950	50	97.500
300	1.970	2.057	50	102.825
350	1.524	1.647	50	82.350
400	1.234	1.279	50	63.950
450	1.379	1.307	50	65.325
500	2.138	1.759	50	87.925

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
550	2.171	2.155	50		107.725
600	2.453	2.312	50		115.600
650	0.123	1.288	50		64.400
700	0.152	0.138	50		6.875
750	0.151	0.152	50		7.575
800	0.315	0.233	50		11.650
850	0.142	0.229	50		11.425
900	0.142	0.142	50		7.100
950	0.083	0.113	50		5.625
1000	0.195	0.139	50		6.950
1050	0.093	0.144	50		7.200
1100	0.166	0.130	50		6.475
1150	0.187	0.177	50		8.825
1189	0.196	0.192	39		7.469
Total E/W sty - 1240.819					

① Constⁿ of embankment

lead up to 1000 ft

sty - 7% of 1240.819 = 86.8617

② Constⁿ of embankment

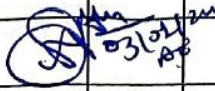
lead up to 100 ft

sty - 93% of 1240.819 = 1153.9673

Summe
28/12/2023
J.E

Signature
P.B

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
<u>Record Entry</u>					
① Const ⁿ of subgrade and earthen shoulder					
2 x 30 x 7.275 x 0.30 =					130.95 M ³
2 x 30 x 7.275 x 0.30 =					130.95 M ³
2 x 30 x 7.275 x 0.30 =					130.95 M ³
2 x 30 x 7.275 x 0.30 =					130.95 M ³
1 x 10 x 7.275 x 0.30 =					21.82 M ³
					545.62 M ³
② Excavation for roadway (box cutting)					
2 x 5 x 30 x 0.525 x 0.100 =					15.75 M ³
2 x 6 x 30 x 0.525 x 0.100 =					18.90 M ³
2 x 1 x 9 x 0.525 x 0.100 =					2.00 M ³
					36.65 M ³
③ Paving, laying, spreading and compacting WBM grade-3 (see portion) — all ep job					
1 x 30 x 3.75 x 0.075 =					8.44 M ³
1 x 30 x 3.75 x 0.075 =					8.44 M ³
1 x 12 x 3.75 + 3.30 x 0.075 =					3.17 M ³
1 x 10 x 3.30 + 3.75 x 0.075 =					2.64 M ³
1 x 15 x 3.75 x 0.075 =					4.22 M ³
					26.91 M ³
 S. Murali 03/01/2024 JE  S. Jeyaraj 03/01/24 AP					

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Record Entry					
(1) Constn of un-reinforced Pcc Pavement					
1 X 30 X 3.75 X 0.160 =					18.00 M ³
1 X 30 X 3.75 X 0.160 =					18.00 M ³
1 X 12 X $\frac{3.75 + 3.30}{2}$ X 0.160 =					6.77 M ³
1 X 10 X $\frac{3.30 + 3.75}{2}$ X 0.160 =					5.64 M ³
1 X 15 X 3.75 X 0.160 =					9.00 M ³
					57.41 M ³
(2) Prown and laying B/E/s					
2 X 5 X 30 X 0.375 =					112.50 M ³
2 X 5 X 30 X 0.375 =					112.50 M ³
2 X 6 X 30 X 0.375 =					135.00 M ³
2 X 1 X 10 X 0.375 =					7.50 M ³
					367.50 M ³
Summe 66/01/2024 J.E					

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
<u>Record Entry</u>					
① Brown Granular sub base					
(under BT portion)					
widening:-					
2 x 5 x 30			0.525	0.100	= 15.75M ³
2 x 6 x 30			0.525	0.100	= 18.90M ³
2 x 1 x 19			0.525	0.100	= 2.00M ³
for levelling & pot repair					
1 x 6.10 x 1.90			0.100		= 1.16M ³
1 x 5.50 x 1.75			0.100		= 0.96M ³
1 x 7.00 x 2.10			0.100		= 1.47M ³
2 x 8.50 x 2.25			0.100		= 3.82M ³
1 x 6.70 x 1.85			0.100		= 1.24M ³
1 x 8.27 x 2.20			0.100		= 1.82M ³
over lay:-					
5 x 30 x 4.05			0.100		= 60.75M ³
6 x 30 x 4.05			0.100		= 72.90M ³
1 x 19 x 4.05			0.100		= 7.69M ³
earthen portion:-					
1 x 20 x 7.40 + 4.05			0.200		= 22.90M ³
2 x 30 x 4.05			0.200		= 48.60M ³
2 x 30 x 4.05			0.200		= 48.60M ³
3 x 30 x 4.05			0.200		= 72.90M ³
1 x 20 x 4.05 + 5.55			0.200		= 19.20M ³
			2		400.66M ³
<u>Summed</u> 20/01/2024 JE <u>Summed</u> 20/01/24 PP					

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(2) <u>Bottom laying, - spreading and compacting WBM</u>					
<u>Grade-3 (BT Portion)</u>					
<u>earth Portion</u>	1 X 20 X 7.0	+	3.75 X 0.075 =	8.06 m ³	
	2 X 30 X 3.75	X	0.075 =	16.87 m ³	
	2 X 30 X 3.75	X	0.075 =	16.87 m ³	
	3 X 30 X 3.75	X	0.075 =	25.31 m ³	
	1 X 20 X 3.75	+	5.00 X 0.075 =	6.56 m ³	
<u>Siding Portion:-</u>					
	5 X 30 X 3.75	X	0.075 =	42.19 m ³	
	6 X 30 X 3.75	X	0.075 =	50.62 m ³	
	1 X 19 X 3.75	X	0.075 =	5.34 m ³	
				171.82 m ³	

Gravel
151011022
J-E

Gravel
151011022
AS

Record Entry

(1) Constn of subgrade and earthen shoulder
(BT Portion)

Side of USB:-

$$2 \times 10 \times 30 \times 1.45 \times 0.200 = 174.00 \text{ m}^3$$

$$2 \times 9 \times 30 \times 1.45 \times 0.200 = 156.60 \text{ m}^3$$

$$2 \times 1 \times 29 \times 1.45 \times 0.200 = 16.82 \text{ m}^3$$

Side of WBM:-

$$2 \times 10 \times 30 \times 1.20 \times 0.075 = 54.00 \text{ m}^3$$

$$2 \times 9 \times 30 \times 1.20 \times 0.075 = 48.60 \text{ m}^3$$

$$2 \times 1 \times 29 \times 1.20 \times 0.075 = 5.22 \text{ m}^3$$

Continuation

455.24 m³

Abstract of cost

25

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(1/2) Constn of benchmark					
Q-VTMBP9(1) = 1.189 km					
e R. 5088.48/km R.					6050=0
(2/3) Constn of Ref. Pillar					
Q-VTMBP9(2) = 1.189 km					
e R. 2390=0/km R.					2842=0
(3/4) Clearing and grubbing road land					
Q-VTMBP9(3) = 0.4761 ha					
e R. 7267.86/ha R.					3461=0
(4/6) Excavation for roadway (box cutting)					
Q-VTMBP9(4) = 33.375 m					
P20(2) = 36.65 m					
70.02 m					
e R. 103=85/m R.					7272=0
(5/7) Constn of embankment lead up to 1000 ft					
Q-VTMBP9(5) = 86.86 m					
e R. 258=52/m R.					22455=0
(6/8) Constn of embankment lead up to 150 ft					
Q-VTMBP9(6) = 1153.96 m					
e R. 175=0/m R.					2,01,955=0
(7/9) Constn of subgrade and earthen shoulder					

Continuation

2,75,185=0

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Q-VTHB P 20 ① =			545.6211		
P 23 ① =			455.2411		
P 24 ② =			247.0511		
			1247.9111		
e R- 263.33/11 ³ - R- 3					28,612.20
($\frac{8}{10}$) From granular sub base					
(under BT portion)					
Q-VTHB P 22 ① =			400.6611		
e R- 4153.32/11 ³ - R- 16					64069.20
($\frac{9}{11}$) From laying, spreading					
and compacting work					
Grade- 3					
Q-VTHB P 23 ② =			171.8211		
e R- 5613.02/11 ³ - R- 9					64429.20
($\frac{10}{15}$) From granular sub base					
(under ee portion)					
Q-VTHB P 10 ⑤ =			105.47511		
e R- 4153.32/11 ³ - R- 4					38071.20
($\frac{11}{16}$) From laying, spreading					
and compacting work					
Grade- 3 (ee portion)					
Q-VTHB P 10 ⑥ =			142.6511		
P 20 ③ =			26.9111		
			169.5711		
limited - 169.2611					
e R- 5613.02/11 ³ - R- 9					50060.20

Continuation

4620426.20

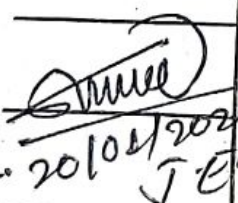
Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
($\frac{12}{17}$) Constn of un-reinforced lee pavement					
Q-VTMB P10⑤ =				304.348M ²	
P2① =				57.411M ²	
				361.758M ²	
				limited - 361.08M ²	
				c.R. 10202.32/M ² - R -	36,83,854=00
($\frac{13}{18}$) Brown and laying B/E/S					
Q-VTMB P2② =				367.50M ²	
				c.R. 524.41/M ² - R -	1,92,721=00
($\frac{14}{30}$) Brown and fixing MHSY informatory sign board					
Q-VTMB P11⑧ =				5 Nos	
				c.R. 12266.55/each R -	61333=00
($\frac{15}{31}$) E/W in excavation for foundation					
Q-VTMB P14① =				100.40M ²	
				c.R. 383.28/M ² R -	38481=00
($\frac{16}{32}$) Brown lee M15 in found					
Q-VTMB P14② =				7.40M ²	
				c.R. 8307.81/M ² R -	61478=00
($\frac{17}{33}$) Brown lee M20 in found					
Q-VTMB P15③ =				29.45M ²	
				c.R. 9067.17/M ² R -	2,67,028=00
($\frac{18}{34}$) Brown lee M20 in sub structure					
Q-VTMB P16④ =				27.17M ²	
				c.R. 9764.31/M ² R -	2,65,296=00
Continuation					91,90,617=00

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
($\frac{19}{35}$) Form weep holes					
Q-VTNBP 16(2) = 34.14 m					
e R - 148 = 07/each R -					5034200
($\frac{20}{36}$) S/F/F HYSB bars in substructure					
Q-VTNBP 15(1) = 1.189 MT					
e R 81955.36/MT R					97445200
($\frac{21}{37}$) Form back filling					
Q-VTNBP 17(4) = 27.74 m ³					
e R 3673 = 09/MT R					10189220
($\frac{22}{38}$) Form lagging filter media					
Q-VTNBP 16(3) = 18.50 m ³					
e R 4642 = 87/MT R -					85,89320
($\frac{23}{39}$) Form Reemtsma in super structure					
Q-VTNBP 18(2) = 5.40 m ³					
e R 11013 = 97/MT R					5947520
($\frac{24}{40}$) S/F/F HYSB bars in super structure					
Q-VTNBP 17(1) = 0.460 MT					
e R 83609.33/MT R					3846020
($\frac{25}{41}$) Form concrete of Reemtsma					
Q-VTNBP 18(3) = 5.00 m ³					
e R 7132.44/MT R -					3566220
($\frac{26}{42}$) Form Drainage spouts					
Q-VTNBP 18(4) = 4 m ³					
e R 770 = 01/each R					308020
Continuation					9617,55820

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
27 43					
Born laying Cement					
Concrete wearing course					
B-VINB 180 = 1.3117					
e R- 17015.02/117 R					222 90 ²⁰
					R- 9639848 ²⁰⁰
Add 1% Labour cess (+)					R- 96398 ²⁰⁰
Add 18% GST (+)					R- 1735173 ²⁰⁰
Add seigniorage fee (+)					R- 144115 ²⁰⁰
					R- 11615534 ²⁰⁰
Less 0.14% below (-)					16262 ²⁰⁰
					R- 11599272 ²⁰⁰
Less Prev. Payment (-)					R- 5350407 ²⁰⁰
					R- 62418865 ²⁰⁰
					
20/04/2024 JE					
					