

Axeraj Kood Pokhara To Harizon Bosth
under Mmesy NlogC Bricks).

Schedule XLV-Form No. 134

MB No- 603/2023-24

Axeraj

DIVISION

Axeraj

SUB-DIVISION

Utkarsh Amoud Builders Pvt-Ltd.

MEASUREMENT BOOK

आविनी व कुमार मदीनिया, 40310

3rd & Final bill

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Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Name of work - Const ⁿ of road from Arenji Road Pakhori - se Harjiya Basti under Ministry					
Agency - Utkarsh Anand Builders Pvt. Ltd.					
Agreement No - 01 SBD/2023-24					
Agreement value - 1,63,25,032.00					
Date of start - 23/06/2023					
Date of Completion - 22/06/2024					
Actual date of Completion -					
Record Entry					
① Disposal of Pcc					
1 x 20 x 3.00 x 0.100 =					6.00 m ³
1 x 16 x 3.00 x 0.100 =					4.80 m ³
					10.80 m ³
② Provision granular subbase for Junction (Bell mouth)					
1 x 18.00 x 6.50 + 5.75 + 4.05 x 0.200 =					19.56 m ³
1 x 20.00 x 6.00 + 5.28 + 4.05 x 0.200 =					20.44 m ³
					40.00 m ³
③ Form, laying, spreading and compacting corr ⁿ grade - 3					
1 x 18 x 6.50 + 5.75 + 3.75 x 0.075 =					7.20 m ³
1 x 20 x 6.00 + 5.28 + 3.75 x 0.075 =					7.51 m ³
					14.71 m ³

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
<u>Record Entry</u>					
① Prov ⁿ Prime coat with emulsion (SS)					
1 X	20	X	7.40 + 3.75 =	107.50 ft ²	
2 X	30	X	3.75 =	225.00 ft ²	
2 X	30	X	3.75 =	225.00 ft ²	
3 X	30	X	3.75 =	337.50 ft ²	
1 X	20	X	3.75 + 5.40 =	87.50 ft ²	
5 X	30	X	3.75 =	562.50 ft ²	
3 X	30	X	3.75 =	337.50 ft ²	
2 X	30	X	3.75 =	225.00 ft ²	
1 X	30	X	3.75 =	112.50 ft ²	
1 X	19	X	3.75 =	71.25 ft ²	
<u>Junction (bell mouth) -</u>					
1 X	18.00	X	6.50 + 5.75 + 3.75 =	96.00 ft ²	
1 X	20.00	X	6.00 + 5.28 + 3.75 =	100.20 ft ²	
				2487.45 ft ²	
② Prov ⁿ Tack coat with emulsion (RS)					
Q - Same as above =					2487.45 ft ²
③ Prov ⁿ laying and rolling mix-seal					
Q - Same as above =					2487.45 ft ²
④ Prov ⁿ and fixing km stone - 1 Nay					
⑤ Prov ⁿ and fixing zoom stone - 6 Nay					
⑥ Prov ⁿ and fixing Traffic sign					

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(i) 60mm circular					6 Nos
(ii) 60mm equilateral triangular					6 Nos
(iii) 60mm x 45mm rectangular					8 Nos
(7) Proc and laying Road					
Marking					
2 x 10 x 30 x 0.100 =					60.00m
2 x 10 x 30 x 0.100 =					60.00m
2 x 10 x 30 x 0.100 =					60.00m
2 x 9 x 30 x 0.100 =					54.00m
2 x 1 x 19 x 0.100 =					3.80m
					237.80m
(8) Proc and laying road					
1 x 15 x 3.75 x 0.25 =					14.06m ²
(9) Proc and laying road					
1 x 15 x 3.75 x 0.25 =					14.06m ²
(10) Planting of Trees by the road side					41 Nos
(11) Proc and laying 300mm dia Rec Pipe					
5 x 3 x 2.50 =					37.50m
(12) Direction & Place identification					
Sign					1 Nos
(13) Comp of subgrade and					
earth shoulder					
2 x 20 x 0.860 x 1.40 =					34.40m ³
2 x 18 x 0.860 x 1.40 =					30.96m ³
					65.36m ³

Continuation

09/02/2024
J.E.

09/02/24
P.E.

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
<u>5/10 calculation sheet</u>					
<u>CH</u>	<u>Area</u>	<u>11. Area</u>	<u>length</u>	<u>Volume</u>	
0	2.451				
50	5.373	3912	50	195.600	
100	5.874	5634	50	281.675	
150	6.235	6065	50	303.225	
200	6.181	6.208	50	310.400	
250	7.771	6986	50	349.300	
300	7.482	7.637	50	381.825	
350	7.444	7.463	50	373.150	
400	6.858	7.51	50	357.550	
450	6.471	6.665	50	333.225	
500	4.104	5.288	50	264.375	
550	3.939	4.022	50	201.075	
600	4.720	4.330	50	216.475	
650	2.152	3.436	50	171.800	
700	1.107	1.630	50	81.475	
750	1.110	1.109	50	55.425	
800	1.373	1.242	50	62.075	
850	1.168	1.271	50	63.525	
900	1.158	1.163	50	58.150	
950	1.124	1.141	50	57.050	
1000	1.226	1.175	50	58.750	
1050	1.088	1.175	50	57.850	
1100	1.240	1.164	50	58.200	
1150	3.917	2.579	50	128.925	
1189	2.674	3.296	39	128.525	
Continuation				4549.625	

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Constn of Rec boxculvert					
1 Nos $\rightarrow$ 2.00m X 2.00m					
① E/W in excavation for structure					
Boxculvert:-					
1 X 3.50 X 7.50 X 0.65 =					17.06m ³
cut off wall:-					
2 X 3.50 X 1.30 X 1.80 =					16.38m ³
Return wall:-					
4 X 2.40 X 3.88 X 1.80 =					66.96m ³
					100.40m ³
② Prov'n Rec 1115 in founds					
boxculvert 1 X 2.50 X 7.50 X 0.100 =					1.88m ³
R/Wall- 4 X 2.40 X 2.88 X 0.200 =					5.52m ³
					7.40m ³
③ Prov'n Rec 1120 in founds					
Return wall:-					
4 X 2.00 X 2.475 X 0.20 =					3.96m ³
4 X 2.00 X 2.375 X 0.20 =					3.80m ³
4 X 2.00 X 2.275 X 0.20 =					3.64m ³
4 X 2.00 X 2.175 X 0.20 =					3.48m ³
4 X 2.00 X 2.075 X 0.20 =					3.32m ³
4 X 2.00 X 1.975 X 0.20 =					3.16m ³
4 X 2.00 X 1.875 X 0.20 =					3.00m ³
4 X 2.00 X 1.775 X 0.20 =					2.84m ³
c/w- 2 X 2.50 X 0.300 X 1.50 =					2.25m ³
					29.45m ³

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
<u>Record Entry</u>					
① S/F/F 1175D bars in sub structure					
12 mm ϕ bar:-					
2 x 52 x 2.50 = 260.00 m					
c 0.89 kg/m				11	231.40 kg
10 mm ϕ bar:-					
2 x 18 x 7.72 = 277.92 m					
2 x 52 x 3.75 = 390.00 m					
2 x 52 x 2.15 = 223.60 m					
2 x 2 x 17 x 7.50 = 510.00 m					
				1401.52 m	
c 0.62 kg/m				11	868.94 kg
8 mm ϕ bar:-					
4 x 63 x 0.90 = 226.80 m					
c 0.39 kg/m				11	88.45 kg
					1188.79 kg
					= 1.189 m
<u>Summary</u> 14/02/2024 J.E					
<u>Record Entry</u>					
① Bottom slab. P. 0.00 m Rec 120 in sub structure					
Bottom slab 1 x 2.50 x 7.50 x 0.25 = 4.69 m					4.69 m
Abut - 2 x 7.50 x 2.00 x 0.25 = 7.50 m					7.50 m
R/W 4 x 2.00 x 1.01 x 1.78 = 14.38 m					14.38 m
coping 4 x 2.00 x 0.75 = 6.00 m					6.00 m
					27.17 m

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
② Provn weep holes					
$(7 \times 2 + 5 \times 4) =$					34.14m
③ Provn overlaying filter media					
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
④ Provn back filling					18.50m ³
$2 \times 2.10 \times 6.70 \times 0.20 =$					5.36m ³
$2 \times 2.10 \times 5.76 \times 1.78 =$					40.88m ³
Lees filter media $(\rightarrow)$					18.50m ³
Small					27.74m ³
18.02m³					
FE					

Record Entry

① S/F/F HYSD bars in
super structure

12mm ϕ bar:-

$$2 \times 52 \times 2.65 = 275.60m$$

$$\approx 0.89kg/m \rightarrow 245.28kg$$

10mm ϕ bar:-

$$2 \times 17 \times 7.50 = 255.00m$$

$$2 \times 12 \times 2.15 = 51.60m$$

$$2 \times 4 \times 2.50 = 20.00m$$

$$1 \times 12 \times 1.64 = 19.68m$$

$$346.28m$$

$$\approx 0.62kg/m \rightarrow$$

$$214.69kg$$

Continuation

$$459.97kg$$

$$= 0.4601m$$

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
<u>Record Entry</u>					
① Prov'n Rec 1125 in super structure					
slab 1 X 2.50 X 7.50 X 0.25 =					4.6911 ³
1125 - 4 X 7.50 X 0.011 =					0.3311 ³
Kerb - 2 X 2.50 X 0.25 X 0.30 =					0.3811 ³
					5.4011 ³
② Const ⁿ of Rec Railing					
2 X 2.50 =					5.0011
③ Prov'n Drainage spouts -					4.1111
④ Prov'n laying Cement concrete wearing coats 1120					
1 X 2.50 X 7.50 X 0.075 =					1.3111 ³
⑤ Brick masonry work (1:3) in Parapet					
2 Nos X 2 X 2.50 X 0.40 X 0.60 =					1.9211 ³
⑥ Prov'n Rec 1120 in coping					
2 Nos X 2 X 2.50 =					8.0011
⑦ Plastering with em (1:4)					
Side - 2 Nos X 4 X 2.50 X 0.60 =					9.6011 ²
Top 2 Nos X 2 X 2.50 X 0.40 =					3.2011 ²
Front 2 Nos X 4 X 0.40 X 0.60 =					1.9211 ²
					14.7211 ²
<u>Amur</u> 22/10/2024 J.E					

Continuation

Abstract of cost

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(1) 2 Provn and fixing benchmarks					
Q-VTNB/P25(1) = 1.189 km					
e R. 5088 = 48/km R.					6050 = 0
(2) 3 Provn and fixing Ref. Pillar					
Q-VTNB/P25(2) = 1.189 km					
e R. 2390 = 20/km R.					2842 = 0
(3) 4 Clearing and grubbing road land					
Q-VTNB/P25(3) = 0.4761 hect					
e R. 72697.86/ha R.					34611 = 0
(4) 5 Dismantling of Rec					
Q-VTNB/P33(1) = 10.8011					
e R. 1780 = 0.1113 R.					19224 = 0
(5) 6 Excavation for roadway (box cutting)					
Q-VTNB/P25(4) = ^{70.02} 33.7511					
e R. 103.8511 ³ - R.					7272 = 0
(6) 7 Constn of embankment lead up to 100011					
Q-VTNB/P25(5) = 86.8611 ³					
P370 = 39.6711 ³					
126.5311 ³					
e R. 258.5211 ³ - R.					32.711 = 0
(7) 8 Constn of embankment lead 10011					
Q-VTNB/P25(6) = 11530.9611 ³					
P372 = 527.1411 ³					
1681.1011 ³					
e R. 175.0111 ³ - R.					2,94209 = 0
Continuation					396919 = 0

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(8) Constn of subgrade and cotten-shoulder					
$Q-VTHBP25(1) = 1247.9111^2$					
$P25(1) = 65.3611^2$					
1313.2711					
$c R-263.3311^3$					
$R-3,45,823=0$					
(9) ¹⁰ Prawn granular sub base under BT portion					
$Q-VTHBP26(8) = 400.6611^2$					
$P33(8) = 40.0011^2$					
440.6611^2					
$c R-4153=3211^3$					
$R-18,30,202=0$					
(10) ¹¹ Prawn, laying, spreading and compacting with grade-3					
$Q-VTHBP26(9) = 171.8211^2$					
$P33(9) = 14.7111^2$					
186.5311^3					
$c R-5613.0211^3$					
$R-10,46,997=0$					
(11) ¹² Prawn Prime coat with emulsion (SS1)					
$Q-VTHBP34(1) = 2487.4511^2$					
$c R-60.3311^2$					
$R-1,900.68=0$					
(12) ¹³ Prawn Tack coat with emulsion (RS1)					
$Q-VTHBP34(2) = 2487.4511^2$					
$c R-20.7511^2$					
$R-51615=0$					
Continuation					
					$3821624=0$

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(13) (14) Prov. laying and rolling mix sub					
Q-VTMBP34(2) =					2487.457
c R. 306 =					2611
R. 7.61,806 =					0
(14) (15) Prov. granular subbase (cc portion)					
Q-VTMBP26(10) =					105.4797
c R. 4153.3211					R. 2,38,071 =
(15) (16) Prov. laying, spreading and compacting WBM cr-3 (cc portion)					
Q-VTMBP26(11) =					169.577
Limited -					169.2617
c R. 5613.0211					R. 950060 =
(16) (17) Constn of un-reinforced PCC Pavement					
Q-VTMBP27(12) =					361.7587
Limited -					361.087
c R. 10202.3211					R. 36,83,854 =
(17) (18) Prov. laying B/E/S					
Q-VTMBP27(13) =					367.5011
c R. 524.4111					R. 192,721 =
(18) (30) Prov. and fixing masonry information sign board					
Q-VTMBP27(14) =					5.177
c R. 12266.55/each R					61333 =

Continuation 9909469 = 0

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(19) 19) born and fixing km stone Q-VTNB/34(9) = 1 Nay c R- 3300=02/each R- 3300=a					
(20) 20) born and fixing 200m stone Q-VTNB/34(5) = 6 Nay c R- 895=08/each R- 5370=a					
(21) 21) 600mm circular Q-VTNB/35(1) = 6 Nay c R- 6014.45/each - R- 36087=a					
(22) 22) 900mm equilateral triangular Q-VTNB/35(1) = 6 Nay c R- 6861=53/each R- 41169=a					
(23) 23) 600mm x 450mm Q-VTNB/35(1) = 8 Nay c R- 5869=51/each R- 46956=a					
(24) 24) born and laying Road marking Q-VTNB/35(7) = 237.8011 c R- 825.75/11 ² - R- 1,96363=a					
(25) 25) born 15mm marble strips Q-VTNB/35(8) = 14.0611 c R- 306.26/11 - R- 4306=a					
(26) 26) born Road marking paint Q-VTNB/35(9) = 14.0611 c R- 825=75/11 ² R- 11,610=a					
(27) 27) Planting of Trees by the road side Q-VTNB/35(10) = 41 Nay c R- 1230=09/each R- 50,434=a					

Continuation

1,03,05,064=a

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(28) 28) From and lying 301 mm d Rec Pipe NB					
Q-VTMB/35(11) = 37.50 m					
c R 959 = 60/n R					35985 = 0
(29) 29) Direction & Place identification					
Q-VTMB/35(12) = 12 m					
c R 14560.89 / m R					14561 = 0
(30) 31) E/W in excavation for foundation					
Q-VTMB/27(13) = 100.40 m ²					
P38(1) = 100.40 m ²					
200.80 m ²					
c R 383 = 28/11 m ² R					76.963 = 0
(31) 32) From Rec 115 in found					
Q-VTMB/27(16) = 7.40 m ²					
P38(2) = 7.40 m ²					
14.80 m ²					
c R 8307.81 / m ² - R 122956 = 0					
(32) 33) From Rec 1120 in found					
Q-VTMB/27(17) = 29.45 m ²					
P38(3) = 29.45 m ²					
58.90 m ²					
c R 9067 = 17/11 m ² - R 534056 = 0					
(33) 34) From Rec 1120 in sub structure					
Q-VTMB/27(18) = 27.17 m ²					
P30(1) = 27.17 m ²					
54.34 m ²					
c R 9764.31 / m ² - R 530593 = 0					
Continuation					11620178 = 0

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(34 / 35) From weep holes					
Q-VTMB/28(19) = 34.11 m					
P40(2) = 34.11 m					
			68.11 m		
c R- 148.07/each R					10,069 = 0
(35 / 36) S/F/F HYSD bar in S/S					
Q-VTMB/28(20) = 1.189 m					
P39(1) = 1.189 m					
			2.378 m		
c R- 81955 = 36/11 m R					1,94,890 = 0
(36 / 37) From back filling					
Q-VTMB/28(21) = 27.74 m					
P40(4) = 27.74 m					
			55.48 m		
c R- 3673.09/11 m R					20,37,83 = 0
(37 / 38) From and laying filter media					
Q-VTMB/28(22) = 18.50 m					
P40(3) = 18.50 m					
			37.00 m		
c R- 4642.87/11 m R					1,71,786 = 0
(38 / 39) From Rec 125 in super structure					
Q-VTMB/28(23) = 5.40 m					
P41(1) = 5.40 m					
			10.80 m		
c R- 11013.97/11 m R					1,18,951 = 0
(39 / 40) S/F/F HYSD bar in super structure					

Continuation

1,23,19,657 = 0

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Q-VTMB/28(24) = 0.460 m ²					
P40(1) = 0.460 m ²					
0.920 m ²					
c R- 83609.33/m ² R- 76921 = 0					
($\frac{40}{41}$) Constn of Rcc Railing					
Q-VTMB/28(25) = 5.00 m ²					
P41(2) = 5.00 m ²					
10.00 m ²					
c R- 7132 = 44 m ² R- 71324 = 0					
($\frac{41}{42}$) Iron drainage spots					
Q-VTMB/28(26) = 4 m ²					
P41(3) = 4 m ²					
8 m ²					
c R- 770101/cech R- 6160 = 0					
($\frac{42}{43}$) Iron and tying cement concrete wearing course					
Q-VTMB/29(27) = 1.31 m ²					
P41(4) = 1.31 m ²					
2.62 m ²					
c R- 17015 = 021 m ² R- 44579 = 0					
($\frac{43}{44}$) Brick masonry in cmc 1:3 in parapet					
Q-VTMB/41(5) = 1.92 m ²					
c R- 7460.66/m ² R- 14324 = 0					
($\frac{44}{45}$) Iron Rcc 120 coping					
Q-VTMB/41(6) = 8.00 m ²					
c R- 640.04/m ² R- 5120 = 0					

Continuation

1,25,38,085 = 0

Continuation