नवाई योजना अन्तर्गत कुमार बाग गर्वमेंट इन्जीनियरिंग कालेज

Schedule XLV-Form No. 134

एपरोच पहुँच पथ निर्माण कार्य

_____ DIVISION

प्रखण्ड ~~का~~ चनपटिया

_____ SUB-DIVISION

माप/पुस्तक सं 1722/2023-24

Measurement Book

संवेदक : मुन्ना के गरवोल्ड

2nd no A/c Bill

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work. Const of road from Government Engineering college Kuvar Singh Bedhak.					
Agency — M/s Subhadra Mahabaikar Pvt Ltd.					
Agreement no — 07/2023-24					
Date of start — 24.08.2023					
Date of completion — 23.08.2024					
		Record Entry			
(1) Clearing & grubbing of road land — as —					
	2	13	30.00	4.00 =	3120.00
	24	1	25.00	4.00 =	200.00
			Total		3320.00 sq.m
			Say		0.33 Hect.
(2) Removal of all Telephone/electric Poles — do —					41 nos
(3) Scarifying the existing Bituminous surface					
	6	5.80	2.50 =		87.00
	8	6.90	1.75 =		96.60

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	12 ×	6.80 ×	2.90	=	236.64
	8 ×	9.50 ×	2.15	=	163.40
	6 ×	12.60 ×	1.90	=	143.64
	9 ×	8.80 ×	2.25	=	178.20
	6 ×	9.60 ×	2.00	=	115.20
	8 ×	7.80 ×	2.75	=	171.60
	16 ×	5.90 ×	1.75	=	165.20
	12 ×	7.80 ×	2.10	=	196.56
	11 ×	8.40 ×	2.50	=	231.00
	14 ×	9.40 ×	3.50	=	460.60
	6 ×	12.80 ×	3.00	=	230.40
	12 ×	16.60 ×	2.25	=	448.20
			Total		2924.84
(54)	R/W earthwork in				
	excavation for foundation				
Basement	1 ×	6.00 ×	2.90 × 0.60	=	10.44
C/wall	16 ×	2.90 ×	1.30 × 1.80	=	13.57
R/wall	4 ×	2.50 ×	3.20 × 1.40	=	44.80
			Total	=	68.81
(55)	R/W P.C.C. in 1:3:6				
	open foundation —				
Basement	1 ×	6.00 ×	1.90 × 0.10	=	1.14
R/W	4 ×	2.20 ×	2.20 × 0.20	=	4.40
			Total		5.54

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Area of Footing				
(a)	P.C.C. M-20 in foundation				
Wall:					
	4 × 2.10 × 1.80 × 0.20 =				3.02
	4 × 2.10 × 1.70 × 0.20 =				2.86
	4 × 2.10 × 1.60 × 0.20 =				2.69
	4 × 2.10 × 1.50 × 0.20 =				2.52
	4 × 2.10 × 1.40 × 0.20				2.35
	4 × 2.10 × 1.30 × 0.20 =				2.18
	4 × 2.10 × 1.20 × 0.20 =				2.02
	4 × 2.10 × 1.10 × 0.20 =				1.85
	2 × 1.90 × 0.30 × 1.50 =				1.71
				Total =	21.20 m³
(b)	Supplying & fixing R.C.C. placing M+D 60 m				
R.Slab	Slab.				
	1 × 40 × 2.40 m				
	@ 0.90 kg/m =				86.40 kg
	1 × 14 × 6.00 m				
	@ 0.60 kg/m =				50.40 kg
	1 × 40 × 2.40 m				
	@ 0.60 kg/m =				57.60 kg
	1 × 14 × 6.00 m				
	@ 0.60 kg/m =				50.40 kg
Stairs	1 × 2 × 20 × 1.10 m				
	@ 0.60 kg/m =				26.40 kg

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Retaining wall vertical					
2	36	× 2.50 M			
		@ 0.90 kg/M =			162.00 kg
2	36	× 2.00 M			
		@ 0.60 kg/M =			86.40 kg
2	6	× 6.00 M			
		@ 0.40 kg/M =			57.60 kg
		Total =			527.20 kg
		Say =			0.527 MT
		Recovery Entry			
1/37	P/F R.C.C M-20 in				
	Sub Structure —				
4	2.10	× 0.78	× 1.25 =		8.19 m³
2/(50)	P/F R.C.C M-25 in				
	Sub Structure —				
1	6.00	1.90	× 0.20 =		2.28
1	2 × 6.00	× 1.50	× 0.20 =		3.60
1	2 × 6.00	× 0.10	× 0.20 =		0.24
					6.12 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Record Entry				
1/(33)	Supplying & fitting & placing Hy ID bar				
TOP SLAB					
	1 × 42 × 1.85 M				
	@ 0.90 kg/M =				73.31 kg
	1 × 14 × 6.40 M				
	@ 0.60 kg/M =				53.76 kg
	1 × 42 × 1.85 M				
	@ 0.60 kg/M =				49.14 kg
	1 × 14 × 6.40 M				
	@ 0.60 kg/M =				53.76 kg
	TOTAL =				229.97 kg
				say =	0.23 MT
2/(34)	Received Entry				
1/(104)	Fix laying RCC M-35 in				
	super structure —				
	1 × 6.00 × 1.90 × 0.20 =				2.28 M³
2/(105)	Fix RCC M-30 in				
	Parapet Construction-				
	1 × 2 × 6.10 × 0.40 × 0.60 =				2.93 M³
3/(42)	Fix Bending & moulds				
	Complete — Do —				04 Nos.

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
4/15) Qty Backfilling Behind					
Retaining wall — do —					
	7×2×	2.10×	5.20×	0.20 =	30.58
	7×2×	2.10×	4.60×	1.20 =	162.29
Less Filter media			Total =		192.87
	7×2×	4.60×	0.60×	1.20 =	(-) 49.37
	7×4×	1.50×	0.60×	1.35 =	(-) 34.02
			Total =		109.48
5/15) Qty laying Filter					
media — do —					
	7×2×	4.60×	0.60×	1.20 =	49.37
	7×4×	1.50×	0.60×	1.35 =	34.02
			Total =		83.39
6/17) Qty weepholes in					
Retaining wall — do —					
	7×	36 nos		=	252 nos
7/16) Qty Excavation for					
Roadway box cutting —					
	2×8×	30.00×	1.025×	0.325 =	159.90
	2×1×	10.00×	1.025×	0.325 =	6.67
	2×5×	30.00×	0.875×	0.350 =	85.63
	2×18×	30.00×	1.025×	0.325 =	359.78
	2×10×	30.00×	1.025×	0.325 =	199.88
	2×1×	25.00×	1.025×	0.325 =	16.66
	2×6×	30.00×	0.875×	0.250 =	78.75
	2×1×	5.00×	0.875×	0.250 =	2.19
	2×8×	30.00×	0.875×	0.250 =	105.00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 × 1 ×	8.00 ×	0.875 ×	0.250 =		3.50
2 × 16 ×	30.00 ×	0.825 ×	0.250 =		210.00
2 × 1 ×	20.00 ×	0.875 ×	0.250 =		8.75
			Total =		1216.71 m³
8/(8) Cost of embankment					
land obtained from box					
cutting soil — do —					
Same qty taken from					
item no — 17/8 vide page					
17 to 18					1216.71 m³
30/11/2021					
	20/11/21				
	Second Entry				
1/(IX) Const. of G.S.B					
by well graded material					
for filling					
4 × 3.60 ×	2.50 ×	0.10 =			3.60
5 × 4.80 ×	2.25 ×	0.10 =			5.40
6 × 3.80 ×	1.50 ×	0.10 =			3.42
8 × 2.90 ×	1.75 ×	0.10 =			4.06
6 × 3.80 ×	1.25 ×	0.10 =			2.85
3 × 3.50 ×	1.50 ×	0.10 =			1.58
Box					
2 × 8 ×	30.00 ×	1.025 ×	0.175 =		86.10
2 × 1 ×	10.00 ×	1.025 ×	0.175 =		3.59
2 × 5 ×	30.00 ×	0.875 ×	0.150 =		39.38
2 × 18 ×	30.00 ×	1.025 ×	0.175 =		193.73
2 × 10 ×	30.00 ×	1.025 ×	0.175 =		107.63

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
2 x 1 x	25.00	x 1.075 x	0.175 =		8.97
2 x 6 x	30.00	x 0.875 x	0.150 =		47.25
2 x 1 x	5.00	x 0.875 x	0.150 =		1.31
2 x 8 x	30.00	x 0.875 x	0.150 =		63.00
2 x 1 x	8.00	x 0.875 x	0.150 =		2.10
2 x 16 x	30.00	x 0.875 x	0.150 =		126.00
2 x 1 x	20.00	x 0.875 x	0.150 =		5.25
1 x 19.00	x (9.00 + 5.50)/2	x 0.150 =			20.66
				Total =	725.88 m³
[signature] 01/01/24		[signature] 01/01/2024			
		Recording Entry			
(15) P/L laying spreading					
& compacting WMM					
		— do —			
Base					
2 x 8 x	30.00	x 1.075 x	0.150 =		73.80
2 x 1 x	10.00	x 1.025 x	0.150 =		3.08
2 x 18 x	30.00	x 1.025 x	0.150 =		166.05
2 x 10 x	30.00	x 1.025 x	0.150 =		92.25
2 x 1 x	25.00	x 1.025 x	0.150 =		7.69
8 x	30.00	x 5.50 x	0.100 =		132.00
1 x	10.00	x 5.50 x	0.100 =		5.50
9 x	30.00	x 5.50 x	0.100 =		148.50
1 x 8.40	x (9.00 + 5.50)/2	x 0.10 =			6.09
				Total =	634.96 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	For th work Quantity				
U Dis		Area	Mean Area		reduced
0	0	0.989	—		—
0	50	1.989	1.439		71.95
00	50	1.253	1.596		79.80
50	50	3.910	2.482		124.075
00	50	4.239	3.995		198.725
50	50	2.618	3.429		171.425
00	50	1.942	2.283		114.125
50	50	1.501	1.724		86.200
00	50	3.957	2.429		101.450
50	50	1.943	2.450		122.500
00	50	2.495	1.969		98.450
50	50	2.219	2.302		115.100
00	50	1.667	1.943		97.150
50	50	1.583	1.605		81.250
00	50	1.890	1.737		86.825
50	50	3.035	2.462		123.125
00	50	1.845	2.440		122.00
50	50	2.840	2.343		117.175
00	50	3.913	3.377		168.825
50	50	1.492	2.705		135.250
00	50	3.269	2.283		114.150
50	50	1.668	2.369		118.425
00	50	1.277	1.493		73.625
50	50	1.988	1.633		81.625
00	50	3.320	2.654		132.700

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1365 65	3·005		3·163		205·562
1300 95	2·379		2·699		94·462
1350 50	1·716		2·055		102·250
1400 50	0·694		1·205		60·250
1450 50	1·981		1·308		65·375
LINE-1					
0 0	4·824		—		—
50 50	4·138		4·291		211·550
100 50	1·756		2·947		147·350
150 50	4·423		3·115		156·225
200 50	4·278		4·626		231·225
248 48	2·902		3·840		184·320
LINE-2					
0 0	1·808		—		—
50 50	0·735		1·172		58·525
100 50	1·943		1·342		67·085
150 50	1·719		1·834		91·675
200 50	2·198		1·949		97·425
250 50	3·229		2·704		135·175
300 50	3·370		3·300		164·975
350 50	2·841		3·106		155·225
400 50	3·019		2·930		146·500
450 50	2·801		2·940		145·500
500 50	3·577		3·189		159·450
550 50	3·538		3·258		177·875
600 50	2·792		3·165		158·250
650 50	3·388		3·075		153·750

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
00 0	2·385		2·872		148·525
00 0	2·310		2·578		129·825
0 0	2·228		2·519		125·958
17 17	2·228		2·228		37·826
			Total =		6363·499 m²

(1) Cost of embankment

1 cent upto 1000 m²

length — 2 sides

40 % of 6363·499 m²

$\frac{40 \times 6363.499}{100} = 2545.40$ m²

(2) Cost of embankment

1 cent upto 100 m length

60 % of 6363·499 m²

$\frac{60 \times 6363.499}{100} = 3818.09$ m²

04/12/2023

04/12/2023

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of work					
1) Pillar setting out pillars — do —					
20 nos vide page (7)					
@ 3160.33/unit — Rs					63206
2) Clearing & grubbing of woodland —					
1.68 Hect vide page (7)					
0.33 Hect vide page (12)					
2.01 Hect					
@ 75573.34/Hect — Rs					151902
3) Removal of Telephone & Electric poles —					
41 nos vide page (12)					
@ 249.57/unit — Rs					10232
4) Dismantling of existing structure — do —					
211.50 m³ vide page (7)					
@ 578.51/m³ — Rs					122355
5) Removing of all types of kilometre stones					
15.00 m vide page (7)					
@ 598.94/m — Rs					8984

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Particulars	Details of actual measurement No.	L	B	D	Contents of area
6/(6) Excavation for earthwork for earthwork —					
1216.71 m³ vide Page-(18)					
Cont - 1216.68 m³					
@ Rs 103.96/m³				=	126486
7/(7) Levelling the existing GF surface —					
2924.24 m² vide Page-(19)					
@ Rs 20.44/m²				=	59771
8/(8) Const of embankment obtained from excavation —					
1216.71 m³ vide Page-(8)					
Cont - 1216.68 m³					
@ Rs 61.52 m³				=	74850
9/(9) Const of embankment (cont up to 1000 m lift)					
3545.40 m³ vide Page-(22)					
@ Rs 259.62/m³				=	920837
10/(10) Const of embankment (cont up to 100 m lift)					
5818.09 m³ vide Page-(23)					
@ Rs 186.89/m³				=	1087334
11/(11) Const of subgrade					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
B earthern shoulder					
289.33 m²	nos	Page-(3)			
@ Rs 263.15/m²				Rs	202212
(12/12) Const of G.S.B by well graded material					
261.52 m²	nos	Page-(10)			
205.88 m²	nos	Page-(19)			
987.40 m²					
@ Rs 280.69/m²				Rs	2769351
(13/13) P/w laying approaches & connecting ramps					
634.26 m²	nos	Page-(19)			
@ Rs 0635.04/m²				Rs	3949319
(10/04) Earth work in excavation for foundation					
414.55 m²	nos	Page-(8)			
68.81 m²	nos	Page-(13)			
485.36 m²					
@ Rs 423.09/m²				Rs	206438
(13/35) P/w P.C.C M-15 grade in foundation &c					
33.48 m²	nos	Page-(8)			
5.54 m²	nos	Page-(13)			
39.02 m²					
Cont 38.99 m²					
@ Rs 8378.64/m²				Rs	326683

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
16/16) P/L P.c.c. M 20 grade					
in sub structure —					
128.52 m³ vide Page-(8)					
21.20 m³ vide Page (14)					
149.72 m³					
@ 9140.14/m³ —					Rs 1368462
17/37) P/L R.c.c. M-30 in					
sub structure —					
48.00 m³ vide Page-(9)					
8.19 m³ vide Page (13)					
56.19 m³					
@ 9464.95/m³ —					Rs 531836
18/37) Providing cutting & bending & placing HYSD bar					
1.38 MT vide Page-(9)					
0.23 MT vide Page-(14)					
1.61 MT					
@ 87634.71/MT —					Rs 141092
19/(37) P/L weep holes in					
return wall — 100 —					
252 Nos vide Page-(17)					
@ 111.79/unit —					Rs 28171
20/(37) P/L R.c.c. M-25 grade					
in sub structure —					
42.46 m³ vide Page-(8)					
6.12 m³ vide Page-(13)					
48.58 m³					
Credit 13.55 m³					
@ 9995.05/m³ —					Rs 427704

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
21/(42) Supplying fitting & placing HYSD bar					
3.46 MT vide Page (8)					
0.572 MT vide Page (15)					
4.037 MT say 4.04 MT					
@ 86035.96/MT				Rs	315038
22/(42) Breaditing behind Retaining wall —					
109.48 m² vide Page (12)					
@ 996.39/m²				Rs	109085
23/(45) P/S laying filter media —					
83.39 m² vide Page —					
Credited 80.93 m³ @ 4353.93/m³				Rs	343420
24/(45) P/S R.C.C M-25 grade in super structure —					
13.68 m³ vide Page (9)					
2.28 m³ vide Page (16)					
15.96 m³					
@ 10744.94/m³				Rs	171489
25/(45) P/S P.C.C M-20 grade in foundation construction					
17.56 m³ vide Page (10)					
2.93 m³ vide Page (16)					
20.49 m³					
@ Rs. 9464.95/m³				Rs.	193937

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
04/07/ Per Drawing +					
200 um - no					
24 nos ..... Page (20)					
04 nos ..... Page (18)					
28 nos					
@ 1393.34/each — Rs					39028
Rs.					12051516
Add GST 18%. Rs					2169273
Add Cess 1%. Rs					120515
Add S. fee Rs					~~1708106~~ ~~1528254~~
					777873
					~~16119420~~
Less 0.02% ..... Rs					14512117 ~~3223~~ 2904
Rs					~~14512762~~
Less Previous Payment Rs					6242702
Net Payable Rs					~~9868494~~ 8268510
04/2/2019					