

प्रमाणित किया जाता है कि इस
मापी कुल में किया कुल 100 फीट
मुक्ति है पर सहायक कारिदा
कोटा फाता का निरीक्षण किया जाये

V. Singh
26/10/23
Executive Engineer
Rural Works Department
Works Division, Raxaul
SR
26.10.23

Sch. XLV-Form No. 134

DIVISION

SUB-DIVISION

Measurement Book

No. 1161

Name of officer _____

Date of first entry _____

Date of last entry _____

1. Strong A/C Bill

1.

Name of work -

Situation of work -

Agency by which work is executed -

Date of measurement -

No. and date of agreement.

(These four lines should be repeated at the commencement of the measurements relating to each work).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
name of work -	TOI	PWD	Road	to	
	Lakshaman Nagar				
agency -	Haarshvardham const.				
document No -	06/MBD/2023	24			
date of work start -	19.10.2023				
date of completion -					
actual date of completion -	19.12.2023				
	<u>work done</u>				

① clearing & grubbing road land...

[illegible]

②	Granular subbase with well graded material (GSB Gr. - I)	----	
---	--	------	--

1x	$5.00 \times 1.90 \times 0.100 = 0.950$
1x	$6.00 \times 2.00 \times 0.100 = 1.200$
1x	$4.00 \times 2.10 \times 0.100 = 0.840$
1x	$4.50 \times 2.10 \times 0.100 = 0.945$
1x	$4.00 \times 2.10 \times 0.100 = 0.840$
1x	$4.50 \times 2.00 \times 0.100 = 0.900$
1x	$4.00 \times 2.00 \times 0.100 = 0.800$

Continuation 40 - 6.475 m³

Sch.XLV-Form No. 134 B/P — 6.475 m³

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	1x	4.00x	2.20x	0.100 =	0.880
	1x	5.00x	1.80x	0.100 =	0.900
	1x	6.00x	1.80x	0.100 =	1.080
	1x	4.00x	1.90x	0.100 =	0.760
	1x	5.00x	2.00x	0.100 =	1.000
	1x	5.00x	2.10x	0.100 =	1.050
	1x	6.00x	2.10x	0.100 =	1.260
	1x	5.00x	2.10x	0.100 =	1.050
	1x	5.00x	1.90x	0.100 =	0.950
	1x	5.50x	1.90x	0.100 =	1.045
	1x	5.60x	2.00x	0.100 =	1.120
	1x	5.40x	1.80x	0.100 =	0.972
	1x	5.50x	1.90x	0.100 =	1.045
	1x	6.00x	2.10x	0.100 =	1.260
	1x	6.00x	1.90x	0.100 =	1.140
	1x	5.50x	2.00x	0.100 =	1.100
	1x	6.50x	2.10x	0.100 =	1.365
	1x	6.50x	2.00x	0.100 =	1.300
	1x	5.50x	2.00x	0.100 =	1.100
	1x	5.00x	2.00x	0.100 =	1.000
	1x	5.00x	1.90x	0.100 =	0.950
	1x	9.00x	2.10x	0.100 =	1.890
	1x	7.00x	2.00x	0.100 =	1.400
	1x	8.00x	2.00x	0.100 =	1.600
	1x	7.00x	1.90x	0.100 =	1.330
	1x	8.00x	2.00x	0.100 =	1.600
	1x	9.00x	2.10x	0.100 =	1.890

Continuation c/o — 38.512 m³

Sch.XLV-Form No. 134 B/F - 38.512 m³

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	1x	10.00x	1.90x	0.100 =	1.900
	1x	8.00x	2.00x	0.100 =	1.600
	1x	9.00x	1.80x	0.100 =	1.620
	1x	8.00x	1.60x	0.100 =	1.280
	1x	9.00x	1.70x	0.100 =	1.530
	1x	9.00x	1.60x	0.100 =	1.440
	1x	8.00x	1.50x	0.100 =	1.200
	1x	9.00x	1.40x	0.100 =	1.260
	1x	8.00x	1.60x	0.100 =	1.280
	1x	8.00x	1.80x	0.100 =	1.440
	1x	8.00x	1.60x	0.100 =	1.280
	1x	10.00x	1.60x	0.100 =	1.600
	1x	10.00x	2.20x	0.100 =	2.200

	1x	8.00x	2.00x	0.100 =	1.600
	1x	10.00x	1.90x	0.100 =	1.900
	1x	9.00x	1.90x	0.100 =	1.710
	1x	7.00x	2.30x	0.100 =	1.610
	1x	8.00x	2.10x	0.100 =	1.680
	1x	9.00x	2.40x	0.100 =	2.160
	1x	10.00x	2.30x	0.100 =	2.300
	1x	9.00x	2.00x	0.100 =	1.800
	1x	9.00x	2.10x	0.100 =	1.890
	1x	9.00x	2.30x	0.100 =	2.070
	1x	9.00x	2.40x	0.100 =	2.160
	1x	9.00x	2.20x	0.100 =	1.980
	1x	8.00x	2.10x	0.100 =	1.680
	1x	10.00x	2.00x	0.100 =	2.000

Continuation 40 - 84.682 m³

Sch.XLV-Form No. 134 B/F - 84,682 m²

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	1x	8.00x	2.30x	0.100 =	1.840
	1x	9.00x	2.20x	0.100 =	1.980
	1x	8.00x	2.40x	0.100 =	1.920
					90.442 m ³
				limit -	90.44 m ³

③ Water bound macadam with
stone screening (see B/F - 2)

	1x	5.00x	2.30x	=	11.500
	1x	6.00x	2.40x	=	14.400
	1x	4.00x	2.50x	=	10.000
	1x	4.00x	2.50x	=	10.000
	1x	4.50x	2.50x	=	11.250

	1x	4.50x	2.40x	=	10.800
	1x	4.00x	2.40x	=	9.600
	1x	4.00x	2.60x	=	10.400
	1x	5.00x	2.20x	=	11.000
	1x	6.00x	2.20x	=	13.200
	1x	4.00x	2.30x	=	9.200
	1x	5.00x	2.40x	=	12.000
	1x	5.00x	2.50x	=	12.500
	1x	5.00x	2.50x	=	12.500
	1x	6.00x	2.50x	=	15.000
	1x	5.00x	2.30x	=	11.500
	1x	5.50x	2.30x	=	12.650
	1x	5.60x	2.40x	=	13.440
	1x	5.40x	2.20x	=	11.880

Continuation of - 222,820

Sch.XLV-Form No. 134 B/F - 222.820m²

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	1x	5.50x	2.30	=	12.650
	1x	6.00x	2.50	=	15.00
	1x	6.00x	2.30	=	13.80
	1x	5.50x	2.40	=	13.20
	1x	6.50x	2.50	=	16.25
	1x	6.50x	2.40	=	15.60
	1x	5.50x	2.40	=	13.20
	1x	5.00x	2.40	=	12.00
	1x	5.00x	2.30	=	11.50
	1x	9.00x	2.50	=	22.50
	1x	7.00x	2.40	=	16.80
	1x	8.00x	2.40	=	19.20
	1x	7.00x	2.30	=	16.100

	1x	8.00x	2.40	=	19.20
	1x	9.00x	2.50	=	22.50
	1x	10.00x	2.30	=	23.00
	1x	8.00x	2.40	=	19.20
	1x	9.00x	2.20	=	19.80
	1x	8.00x	2.00	=	16.00
	1x	9.00x	2.10	=	18.90
	1x	9.00x	2.00	=	18.00
	1x	8.00x	1.90	=	15.20
	1x	9.00x	1.80	=	16.20
	1x	8.00x	2.00	=	16.00
	1x	8.00x	2.20	=	17.60
	1x	8.00x	2.00	=	16.00
	1x	10.00x	2.20	=	22.00

Continuation of - 680.220m²

Sch.XLV-Form No. 134 B/R - 680.220m²

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	1x	10.00	2.60	=	26.00
	1x	8.00	2.40	=	19.20
	1x	10.00	2.30	=	23.00
	1x	9.00	2.30	=	20.70
	1x	7.00	2.70	=	18.90
	1x	8.00	2.50	=	20.00
	1x	9.00	2.80	=	25.20
	1x	10.00	2.70	=	27.00
	1x	9.00	2.40	=	21.60
	1x	9.00	2.50	=	22.50
	1x	9.00	2.70	=	24.30
	1x	9.00	2.80	=	25.20
	1x	9.00	2.60	=	23.40
	1x	8.00	2.50	=	20.00
	1x	10.00	2.40	=	24.00
	1x	8.00	2.70	=	21.60
	1x	9.00	2.60	=	23.40
	1x	8.00	2.80	=	22.40
	1x	11.00	2.30	=	25.30
	1x	14.00	2.30	=	32.20
	1x	12.00	2.10	=	25.20
	1x	12.00	2.20	=	26.40
	1x	11.00	2.10	=	23.10
	1x	9.00	2.20	=	19.80
	1x	8.00	2.00	=	16.00
	1x	10.00	2.20	=	22.00
	1x	11.00	2.30	=	25.30

Continuation c/o - 1303.920m

Sch.XLV-Form No. 134 B/R - 680.220m²

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	1x	10.00	2.60	=	26.00
	1x	8.00	2.40	=	19.20
	1x	10.00	2.30	=	23.00
	1x	9.00	2.30	=	20.70
	1x	7.00	2.70	=	18.90
	1x	8.00	2.50	=	20.00
	1x	9.00	2.80	=	25.20
	1x	10.00	2.70	=	27.00
	1x	9.00	2.40	=	21.60
	1x	9.00	2.50	=	22.50
	1x	9.00	2.70	=	24.30
	1x	9.00	2.80	=	25.20
	1x	9.00	2.60	=	23.40
	1x	8.00	2.50	=	20.00
	1x	10.00	2.40	=	24.00
	1x	8.00	2.70	=	21.60
	1x	9.00	2.60	=	23.40
	1x	8.00	2.80	=	22.40
	1x	11.00	2.30	=	25.30
	1x	14.00	2.30	=	32.20
	1x	12.00	2.10	=	25.20
	1x	12.00	2.20	=	26.40
	1x	11.00	2.10	=	23.10
	1x	9.00	2.20	=	19.80
	1x	8.00	2.00	=	16.00
	1x	10.00	2.20	=	22.00
	1x	11.00	2.30	=	25.30

Continuation c/o - 1303.920m²

Sch.XLV-Form No. 134 B/F - 1303.920 m²

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	1x	9.00x	2.20	=	19.80
	1x	10.00x	2.10	=	21.00
	1x	9.00x	2.20	=	19.80
	1x	10.00x	2.20	=	22.00
	1x	9.00x	2.20	=	19.80
	1x	8.00x	2.20	=	17.60
	1x	9.00x	2.10	=	18.90
	1x	11.00x	2.30	=	25.30
	1x	8.00x	2.20	=	17.60
	1x	9.00x	2.50	=	22.50
	1x	7.00x	2.10	=	14.70
	1x	10.00x	2.00	=	20.00
	1x	10.00x	2.20	=	22.00

	1x	8.00x	2.00	=	16.00
	1x	9.00x	2.10	=	18.90
	1x	10.00x	1.90	=	19.00
	1x	8.00x	1.80	=	14.40

1633.290 m²@ 0.075 = 122.492 m³

④ P/v & applying Prime coat with

B.E. (S.S-1)

Area same as vide TMB R~~200~~WB M m² 3 P - ④ = 1633.220 m²

⑤ P/v & applying tack coat

with B.E. (R.S-1)

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Area same as vide TM13					
work prime coat P - (7)				=	1633.220m ²
Add extra -	1x	6.00x	1.80	=	10.80
	1x	7.00x	2.00	=	14.00
	1x	8.00x	1.60	=	12.80
	1x	9.00x	2.05	=	18.450
	4x	15.00x	2.10	=	126.00
	1x	8.00x	1.80	=	14.40
					1829.670m ²
⑥ Patch work over work using					
M.S.S.					
Area same as vide TM13					1829.670m ²
Tack coat P - (8)				=	1829.670m ²
⑦ P.V.C. applying tack coat with					
B.E. (RS-1)					
	1x	30.00x	$\frac{7.00+3.75}{2}$	=	161.250
	5x	30.00x	3.75	=	562.50
	1x	15.00x	$\frac{3.75+4.20}{2}$	=	59.625
	1x	25.00x	$\frac{4.20+4.50}{2}$	=	108.750
	1x	20.00x	$\frac{4.50+3.75}{2}$	=	82.50
	10x	30.00x	3.75	=	1125.00
	5x	30.00x	3.75	=	562.50
	1x	25.00x	$\frac{3.75+4.20}{2}$	=	99.375
	1x	30.00x	$\frac{4.20+3.90}{2}$	=	121.50
Continuation of -					2883.00m ²

Sch.XLV-Form No. 134 B/P - 2883.00 m²

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	1X	5.00X	$\frac{3.90+3.75}{2}$	=	19.125
	2X	30.00X	3.75	=	225.00
	1X	20.00X	$\frac{4.20+3.75}{2}$	=	79.50
	1X	10.00X	$\frac{4.20+3.75}{2}$	=	39.75
	7X	30.00X	3.75	=	787.50
	1X	15.00X	$\frac{3.75+4.50}{2}$	=	61.875
	1X	15.00X	$\frac{4.50+3.75}{2}$	=	61.875
	4X	30.00X	3.75	=	450.00
	1X	15.00X	$\frac{3.75+6.00}{2}$	=	73.125
	1X	15.00X	$\frac{6.00+5.00}{2}$	=	82.50
	1X	30.00X	$\frac{5.00+3.75}{2}$	=	131.25
	10X	30.00X	3.75	=	1125.00
	4X	30.00X	3.75	=	450.00

	1X	5.00X	$\frac{3.75+4.20}{2}$	=	19.875
	1X	25.00X	$\frac{4.20+3.75}{2}$	=	99.375
	10X	30.00X	3.75	=	1125.00
	2X	30.00X	3.75	=	225.00
	1X	30.00X	$\frac{3.75+6.00}{2}$	=	146.25
	1X	30.00X	$\frac{6.00+8.00}{2}$	=	135.00
	1X	30.00X	$\frac{3.00+3.30}{2}$	=	94.50
	5X	30.00X	3.30	=	495.00
	1X	30.00X	$\frac{3.30+3.00}{2}$	=	94.50
	4X	30.00X	3.00	=	360.00
	1X	30.00X	$\frac{3.00+3.60}{2}$	=	99.00
	1X	10.00X	$\frac{3.60+3.00}{2}$	=	33.00
					9396.00 m ²

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
③ P/V & lagging Sconi dense Bituminous concrete (SDBC) - - - -					
Qty. Vide TMB Tack coat					
		P-⑤	=		9396.00 m ²
			@ 0.025	=	234.90 m ³
			Limit	=	228.67 m ³
④ 17.11.23 S.P.					
④ KM stone - - - -					
	1x	4.00	Nos	=	4.00 Nos
⑥ 200 m stone - - - -					
	1x	10.00	Nos	=	10.00 Nos
① Direction & place identification					
Sign Board - - - -					
	2x	1.20 x 0.80	=		1.92 m ²
② P/V & fixing of 600 mm equilateral triangle - - - -					
	1x	11.00	Nos	=	11.00 Nos
③ P/V & fixing of 600 mm circular - - - -					
	1x	6.00	Nos	=	6.00 Nos
④ P/V & fixing of 600 mm x 450 mm					

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	rectangulars - - -				
	1x	4.00	Nos	=	4.00 Nos

(15) P/v & fixing of 900 mm octagon stop board - - -					
	1x	2.00	Nos	=	2.00 Nos

(16) Boundary pillars - - -					
	1x	16.00	Nos	=	16.00 Nos

(17) P/v & fixing of typical informative signboard with logo - - -					
	1x	3.00	Nos	=	3.00 Nos

(18) Planting of tree & their mainf. - - -					
	1x	119.00	Nos	=	119.00 Nos

(19) Const. of subgrade & earthen shoulder - - -					
	$2 \times 70 \times 30.00 \times \frac{1.25 + 1.125}{2} \times 0.300 = 1496.25$				
	$1 \times 4 \times 30.00 \times 0.900 \times 0.300 = 32.40$				
	$2 \times 4 \times 30.00 \times \frac{1.20 + 1.05}{2} \times 0.300 = 81.00$				
					1609.65 m ³

(20) Road marking with hot applied thermoplastic compound - - -					
	2x80x	30.00x0.100	=	480.00	
	2x1x	15.00x0.100	=	3.00	

Continuation

483.00 m²

19.12.23
J.F.

19/12/23
AE

Abstract of cost

12

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
① clearing & grubbing road land.....					
0.72 Ha	Vide	TMB	P -	①	
					@Rs 72697.86/Ha = Rs 52342.00
② Const. of subgrade & earthen shoulders.....					
1609.65 m ³	Vide	TMB	P -	①	
					@Rs 263.33/m ³ = Rs 423869.00
③ Granular subbase with well graded material (G.S.B. Gr-1).....					
90.44 m ³	Vide	TMB	P -	④	
					@Rs 4899.94/m ³ = Rs 443062.00
④ Water bound macadam with stone screening (WBM Gr-3).....					
122.492 m ³	Vide	TMB	P -	⑦	
					@Rs 4899.94 5766.38/m ³ = Rs 706335.00
⑤ P.V. & applying prime coat with B.E. (SS-1).....					
1633.220 m ²	Vide	TMB	P -	⑦	
					@Rs 60.52/m ² = Rs 98842.00
⑥ Patch work over WBM using M.S.S.....					

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
1829.67 m ²	Vide	TMB	P -	(8)	
	@Rs	299.59/m ²	= Rs		548151.00
(7) P/v & applying tack coat with					
B.E. (RS-1)					
1829.67 m ²	Vide	TMB	Page	(8)	
9396.00 m ²	Vide	TMB	Page	(9)	
11225.67 m ²	Limit =	10976.73 m ²			
	@Rs	20.78/m ²	= Rs		228096.00
(8) P/v & laying Semi dense bituminous					
concrete (SDBC)					
228.67 m ³	Vide	TMB	Page	(10)	
	@Rs	15081.60/m ³	= Rs		3448709.00
(9) KM Stone					
4.00 Nos	Vide	TMB	Page	(10)	
	@Rs	3434.61/No	= Rs		13738.00
(10) 200 mm stone					
10.00 Nos	Vide	TMB	Page	(10)	
	@Rs	908.87/No	= Rs		9089.00
(11) Direction & place identification sign					
board					
1.92 m ²	Vide	TMB	Page	(10)	
	@Rs	15444.00/m ²	= Rs		29652.00
(12) P/v & Laying of 600 mm optional					

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Triangle	---				
11.00 Nos	Vide TMB	Page	(10)		
	@ Rs	4743.06/No = Rs			52174.00
(13) P/v & fixing of 600 mm circular					
6.00 Nos	Vide TMB	Page	(10)		
	@ Rs	4622.99/No = Rs			27738.00
(14) P/v & fixing of 600 mm x 450 mm rectangular					
4.00 Nos	Vide TMB	Page	(11)		
	@ Rs	4477.82/No = Rs			17911.00
(15) P/v & fixing of 900 mm square octagon stop board					
2.00 Nos	Vide TMB	Page	(11)		
	@ Rs	8967.00/No = Rs			17934.00
(16) Boundary pillars					
16.00 Nos	Vide TMB	Page	(11)		
	@ Rs				
(17) Planting of trees & their maint.					
119.00 Nos	Vide TMB	Page	(11)		
	@ Rs	1259.02/No = Rs			149823.00
(18) Road marking with hot applied					

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Thermoplastic compound					
483.00 m ²	Vide	TM.B	Page	(11)	
	Q.Rs	824.79/m ²	= Rs	398374.00	
(18) P/V Fixing of typical information					
Sign board with logo					
3.00 Nos	Vide	TM.B	Page	(11)	
	Q.Rs	14093.77/No	Rs	42281.00	
				Rs 6708120.00	
Add Labour's cess @ 1%			= Rs	67081.00	
Add GST @ 18%			= Rs	1207462.00	
Add S.Fee			= Rs	56919.00	
				Rs 8033582.00	
				Less below @ 1.11% = Rs	89173.00
				Rs	7944409.00
19.12.23 19.12.23 S.B. <i>Chintha</i> 19/12/23 19/12/23 19/12/23					
14 6/24 5568392					

Continuation

Material statement

16

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
① Earth —	1609.65	m ³			
② loose sand —	34.72	m ³			
③ Aggregate —	635.216	m ³			
④ B.E (SS-1) —	1.388	MT			
⑤ B.E (RS-1) —	3.000	MT			
⑥ Bitumen (S-90) —	29.591	MT			
Supply of Bitumen @ IOCL (EE 1384, 1626)					
^{Date} 04-11-23	^{SAP/Doc No} 772789560				^{Qty} 25.609 MT
② HPEL					
05-12-23	9003065623				6.148 MT
					31.757 MT
Balance					29.591 MT
Balance —					2.166 MT
Supply of BE SS1					
① First choice (BE PL)					
22.11.23	FY23-24 FCE/53				2.20 MT
					1.388 MT
Balance —					0.812 MT
Supply of BE RS-1					
① First choice (BE PL)					
22.11.23	FY23-24 FCE/53				3.40 MT
					3.00 MT
Balance —					0.40 MT
19.12.23	J.B.				

Continuation

1st on A/c Bill

Bill. 5568392=

Tax 849416=0

17

Sch.XLV-Form No. 134

T. value 4718976=

Sch.XLV-Form No. 134					
Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
		Memo of Payment			
		51.50 =	278420 =		
		24.5T =	94380 =		
		14. CWS =	47190 =		
		14.565 =	47190 =		
632163 =		Royalty	58380 =		
		Steel =	50919 =		
		14. Lell =	55684 =		
		Cheque =	4936229 =		
		672088 =	5568392 =		

passed for Rs 5568392= fifty lac sixty eight thousand three hundred

ninety two only

100
12/2

Executive Engineer
Rural Works Department
Works Division, Raigarh

12.1.24

Continuation