

प्रमाणित किया जाता है कि
इस मापी उत्तर में कुल
100 पन्नें सुरक्षित हैं और
(सहायक) अभियंता द्वारा
को त्रुटि बिना पाया है

Verifying
26/10/23
Executive Engineer
Rural Works Department
Works Division Raxaul

Sd/-
26.10.23

Sch. XLV-Form No. 134

_____ DIVISION

_____ SUB-DIVISION

Measurement Book

No. 1163

Name of officer _____

Date of first entry _____

Date of last entry _____

1st on A/c B.11

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 -	Tol PWD Road to				
	Gaxhal.				
Agency -	Harshvardhan const.				
Agreement No -	06/MBD/2023-24				
Date of work start -	19.10.2023				
Date of completion -					
Actual Date of completion -	28.12.23				
	Work Done				

① Clearing & grubbing road land

$$2776 \times 30.00 \times 1.500 = 6840.00$$

$$2717 \times 20.00 \times 1.50 = 60.00$$

$$6900.00 \text{ m}^2$$

$$\text{or } 0.690 \text{ Ha}$$

② Granular subbase with well graded material (GSB or -1)

$$6 \times 7.00 \times 2.55 \times 0.100 = 10.56$$

$$4 \times 8.00 \times 2.10 \times 0.100 = 6.720$$

$$1 \times 7.00 \times 2.30 \times 0.100 = 1.610$$

$$3 \times 7.00 \times 2.40 \times 0.100 = 5.040$$

$$1 \times 8.00 \times 1.90 \times 0.100 = 1.520$$

Continuation c/o - 25.390 m²

1st on 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 -	Tol PWD Road				to
	Gyaxhal.				
Agency -	Harshvardhan const.				
Agreement No -	06/MBD/2023-24				
Date of work start -	19.10.2023				
Date of completion -					
Actual Date of completion -	28.12.23				
	<u>work Done</u>				
① Clearing & grubbing road land					
	2x76x30.00x1.500	=	6840.00		
	2x1x20.00x1.50	=	60.00		
					6900.00 m ²
				or	0.690 Ha
② Granular subbase with well graded material (GISB 6x-1).....					
	6x7.00x2.56x0.100	=	10.56		
	4x8.00x2.10x0.100	=	6.720		
	1x7.00x2.30x0.100	=	1.610		
	3x7.00x2.40x0.100	=	5.040		
	1x8.00x1.90x0.100	=	1.520		
Continuation of 25.390 m ²					

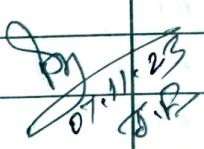
Sch.XLV-Form No. 134 B/F - 25.390m³

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	1x	6.00x	2.50x	0.100	= 1.50
	4x	6.50x	2.50x	0.100	= 6.50
	1x	8.00x	3.00x	0.100	= 2.40
	1x	6.00x	2.90x	0.100	= 1.74
	2x	7.00x	3.00x	0.100	= 4.20
	1x	7.00x	2.90x	0.100	= 2.030
	1x	7.00x	3.10x	0.100	= 2.170
	1x	8.00x	2.50x	0.100	= 2.00
	1x	6.80x	2.50x	0.100	= 1.70
	1x	6.90x	2.00x	0.100	= 1.380
	1x	6.50x	2.00x	0.100	= 1.30
	2x	6.60x	2.50x	0.100	= 3.30
	1x	7.50x	3.00x	0.100	= 2.250

	1x	7.50x	2.00x	0.100	= 1.50
	1x	6.50x	2.90x	0.100	= 1.885
	1x	6.60x	2.00x	0.100	= 1.320
	1x	6.80x	2.30x	0.100	= 1.564
	4x	9.00x	2.00x	0.100	= 7.200
	2x	8.00x	2.00x	0.100	= 3.200
	1x	7.00x	2.00x	0.100	= 1.40
	1x	6.00x	2.10x	0.100	= 1.260
	3x	6.00x	2.20x	0.100	= 3.960
	1x	6.00x	2.30x	0.100	= 1.440
	1x	6.00x	2.70x	0.100	= 1.620
	2x	8.00x	2.70x	0.100	= 4.320
	1x	10.00x	2.30x	0.100	= 2.30
	1x	10.00x	2.20x	0.100	= 2.20

Continuation C/F - 94.409m³

Sch.XLV-Form No. 134 B/P - 94.409 m³

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	2X	10.00X	2.10X	0.100 =	4.20
	1X	9.00X	2.20X	0.100 =	1.980
	1X	8.00X	1.60X	0.100 =	1.280
	1X	7.00X	1.70X	0.100 =	1.190
	1X	6.00X	1.90X	0.100 =	1.140
	2X	6.00X	2.00X	0.100 =	2.40
	2X	9.00X	2.10X	0.100 =	3.780
	1X	8.00X	2.00X	0.100 =	1.60
	1X	7.00X	2.20X	0.100 =	1.540
	2X	9.00X	2.40X	0.100 =	4.320
	2X	9.00X	2.50X	0.100 =	4.500
	2X	8.00X	2.30X	0.100 =	3.680
	2X	8.00X	2.40X	0.100 =	3.84
	1X	30.00X	$\frac{5.00+4.05}{2}$	X 0.200 =	27.150
	1X	30.00X	$\frac{4.05+3.5}{2}$	X 0.200 =	
	2X	30.00X	3.75	X 0.200 =	45.00
					225.409 m ³
					

(3) Water bound macadam with stone screening (WBMS - 3)

	6X	7.00X	2.90	=	121.80
	4X	8.00X	2.50	=	80.00
	1X	7.00X	2.70	=	18.90
	3X	7.00X	2.80	=	58.80
	1X	8.00X	2.30	=	18.40
	1X	6.00X	2.90	=	17.40

Continuation c/o - 315.30 m²

Sch.XLV-Form No. 134 B/F - 315.30 m²

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	4X	6.50X	2.90	=	75.40
	1X	8.00X	3.40	=	27.20
	1X	6.00X	3.30	=	19.80
	2X	7.00X	3.40	=	47.60
	1X	7.00X	3.30	=	23.10
	1X	7.00X	3.50	=	24.50
	1X	8.00X	2.90	=	23.20
	1X	6.80X	2.90	=	19.720
	1X	6.90X	2.40	=	16.560
	1X	6.50X	2.40	=	15.60
	2X	6.60X	2.90	=	38.280
	1X	7.50X	3.40	=	25.50
	1X	7.50X	2.40	=	18.00

	1X	6.50X	3.30	=	21.450
	1X	6.60X	2.40	=	15.840
	1X	6.80X	2.70	=	18.360
	4X	9.00X	2.40	=	86.40
	2X	8.00X	2.40	=	38.40
	1X	7.00X	2.40	=	16.80
	1X	6.00X	2.50	=	15.00
	3X	6.00X	2.60	=	46.80
	1X	6.00X	2.70	=	16.20
	1X	6.00X	2.80	=	16.80
	1X	6.00X	3.10	=	18.60
	2X	8.00X	3.10	=	49.60
	1X	10.00X	2.70	=	27.00
	1X	10.00X	2.60	=	26.00

Continuation 40 - 1103.010 m²

Sch.XLV-Form No. 134 B/F - 1103.01m²

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	2x	10.00	2.50	=	50.00
	1x	9.00	2.60	=	23.40
	1x	8.00	2.00	=	16.00
	1x	7.00	2.10	=	14.70
	1x	6.00	2.30	=	13.80
	2x	6.00	2.40	=	28.80
	1x	9.00	2.50	=	22.50
	1x	8.00	2.40	=	19.20
	1x	7.00	2.60	=	18.20
	2x	9.00	2.80	=	50.40
	2x	9.00	2.90	=	52.20
	1x	8.00	2.70	=	21.60
	1x	8.00	2.80	=	22.40
	3x	11.00	2.30	=	75.90
	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
	4x	9.00	2.20	=	79.20
	1x	8.00	2.00	=	16.00
	2x	10.00	2.20	=	44.00
	1x	10.00	2.10	=	21.00
	2x	8.00	2.20	=	35.20
	1x	9.00	2.10	=	18.90
	1x	9.00	2.50	=	22.50
	1x	7.00	2.30	=	16.10
					1891.91m ²

Continuation @ 0.075 = 141.893m²

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
④ P/V & applying primer coat with B.E. (S.S-1)					
Area same as Vide TMB					
WB M Cr-3, Page - ⑤ =					1891.910 m ²
⑤ P/V & applying tack coat with B.E. (R.S-1)					
Area same as Vide TMB					
Prime coat, Page - ⑥ =					1891.910 m ²
Add extra work - 1x 7.00x2.00 =					14.00
1x 6.00x1.80 =					10.80
1x 8.00x1.60 =					12.80
6x 7.00x3.00 =					126.00
1x 9.00x1.75 =					15.750
1x 8.00x2.00 =					16.00
					2087.260 m ²
⑥ Patch work over WB M & Existing CC Pavement using M.S.S.					
Area same as Vide TMB					
Tack coat, Page - ⑥ =					2087.260 m ²
⑦ P/V & applying tack coat with B.E. (R.S-1)					
1x 10.00x $\frac{20.00+5.00}{2}$ =					125.00
1x 20.00x $\frac{5.00+3.75}{2}$ =					87.50
Continuation of ④ - 212.50 m ²					

Sch.XLV-Form No. 134 B/F-212.50 m²

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	10X	30.00X	3.75	=	1125.00
	10X	30.00X	3.75	=	1125.00
	10X	30.00X	3.75	=	1125.00
	7X	30.00X	3.75	=	787.50
	1X	20.00X	3.75	=	75.00
	1X	30.00X	$\frac{3.75+4.50}{2}$	=	123.75
	1X	30.00X	$\frac{4.50+3.75}{2}$	=	123.75
	1X	30.00X	3.75	=	112.50
	1X	10.00X	$\frac{3.75+4.50}{2}$	=	41.25
	1X	30.00X	$\frac{4.50+3.75}{2}$	=	123.75
	5X	30.00X	3.75	=	562.50
	1X	12.00X	3.75	=	45.00
	9X	30.00X	3.75	=	1012.50

$$1X \quad 15.00X \quad 3.75 = 56.25$$

$$3X \quad 30.00X \quad 3.75 = 337.50$$

$$6988.75 \text{ m}^2$$

⑧ P/v & laying semi dense

Bituminous concrete (SDBC)

Area same as Viable TMB

$$\text{Take coat, Pave} - \text{⑧} = 6988.75 \text{ m}^2$$

$$\text{Qty @ } 0.025 = 174.719 \text{ m}^3$$

$$\text{Limit} = 170.44 \text{ m}^3$$

By
20.12.23
S.E.

Abhishek
20/12/23
AE

⑨ Const. of cement concrete

Pavement (M-30)

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	1X	30.00X	$\frac{4.05+3.75}{2}$	X 0.160	18.720
	5X	30.00X	3.75	X 0.160	90.00
	1X	30.00X	$\frac{3.75+4.15}{2}$	X 0.160	18.960
	1X	8.00X	$\frac{4.15+3.90}{2}$	X 0.160	5.152
	1X	30.00X	$\frac{3.90+3.75}{2}$	X 0.160	18.360
	1X	30.00X	3.75	X 0.160	18.00
	1X	30.00X	$\frac{3.75+4.10}{2}$	X 0.160	18.84
	1X	7.00X	$\frac{4.10+3.90}{2}$	X 0.160	4.48
	1X	15.00X	$\frac{4.30+3.80}{2}$	X 0.160	9.960
	1X	15.00X	$\frac{3.80+3.85}{2}$	X 0.160	9.180
	1X	15.00X	$\frac{3.85+4.15}{2}$	X 0.160	9.60
	1X	15.00X	$\frac{4.15+4.55}{2}$	X 0.160	10.440
	1X	15.00X	$\frac{4.55+6.30}{2}$	X 0.160	13.020

	1X	15.00X	$\frac{6.30+4.40}{2}$	X 0.160	12.840
	1X	15.00X	$\frac{4.40+4.00}{2}$	X 0.160	10.080
	1X	15.00X	$\frac{4.00+3.75}{2}$	X 0.160	9.30
	2X	15.00X	3.75	X 0.160	18.00
	1X	13.00X	$\frac{3.75+3.90}{2}$	X 0.160	7.956
					302.888m ³

(10) Const. of subgrade & earthen

Shoulders - - - -

	2X 69X	30.00X	$\frac{1.15+1.05}{2}$	X 0.300	1316.20
	2X 3X	30.00X	$\frac{1.10+1.05}{2}$	X 0.300	58.050
	2X 1X	20.00X	$\frac{1.05+1.00}{2}$	X 0.300	12.30
					1436.550m ³

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
⑪ KM stone - - - -					
	1 x	4.00	Nos	=	4.00 Nos
⑫ 200 m stone - - - -					
	1 x	10.00	Nos	=	10.00 Nos
⑬ Direction & place identification sign board - - - -					
	2 x	1.20 x 0.80	=		1.92 m ²
<u>Traffic sign board</u>					
⑭ 600 mm equilateral triangle - - - -					
	1 x	15.00	Nos	=	15.00 Nos
⑮ 600 mm circular - - - -					
	1 x	10.00	Nos	=	10.00 Nos
⑯ 600 mm x 450 mm rectangular - - - -					
	1 x	4.00	Nos	=	4.00 Nos
⑰ 900 mm octagon stop board - - - -					
	1 x	2.00	Nos	=	2.00 Nos
⑱ Planting of tree & their maint. - - - -					
	1 x	90.00	Nos	=	90.00 Nos
⑲ Road marking for BT Road - - - -					
	2 x 60 x 30.00 x 0.100	=			360.00 m ²

Continuation

Continuation

Abstract of cost

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Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
① Clearing & grubbing road land					
0.690 Ha Vide TMB Page -					
@ Rs 72697.86/Ha = Rs					50162.00
② Const of subgrade & earthen shoulder					
1436.55 m ³ Vide TMB Page -					
@ Rs 263.33/m ³ = Rs					378287.00
③ Granular sub base with well graded material (GSB Gr-1)					
225.409 m ³ Vide TMB Page -					
@ Rs 4899.94/m ³ = Rs					1104491.00
④ Water bound macadam with stone screening (WBM Gr-3)					
141.893 m ³ Vide TMB Page -					
@ Rs 5766.38/m ³ = Rs					818209.00
⑤ P/V & applying prime coat with B.E. (SS-1)					
1891.91 m ² Vide TMB Page -					
@ Rs 60.52/m ² = Rs					114498.00
⑥ Patch work over WBM & GSB using MSS					
2087.26 m ² Vide TMB Page -					
@ Rs 299.53/m ² = Rs					625322.00

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
⑦ P.V. & applying tack coat with B.E. (RS-1)					
2087.260 m ² Vide TMB Page -					
6988.750 m ² Vide TMB Page -					
8076.010 m ² Limit = 8905.110 m ²					
@ Rs 20.78/m ² = Rs					185048.00
⑧ P.V. & laying semi dense bituminous concrete (SDBE)					
170.44 m ³ Vide TMB Page -					
@ Rs 15084.60/m ³ = Rs					2570508.00
⑨ Cement concrete pavement (M-30)					
302.888 m ³ Vide TMB Page -					
@ Rs 10333.50/m ³ = Rs					3129893.00
⑩ KM Stone					
4.00 Nos Vide TMB Page -					
@ Rs 3434.61/No = Rs					13738.00
⑪ 200 M Stone					
10.00 Nos Vide TMB Page -					
@ Rs 908.37/No = Rs					9089.00
⑫ Direction & place identification sign board					
1.92 m ² Vide TMB Page -					
@ Rs 15444.00/m ² = Rs					29652.00

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
<u>Traffic Sign board</u>					
(13) 600mm equilateral triangle.....					
15.00 Nos Vide TMB Page -					
@Rs 4743.06/No = Rs					71146.00
(14) 600mm circular					
10.00 Nos Vide TMB Page -					
@Rs 4622.99/No = Rs					46230.00
(15) 600mm x 450mm rectangular.....					
4.00 Nos Vide TMB Page -					
@Rs 4477.82/No = Rs					17911.00
(16) 900 mm octagon stop board.....					
2.00 Nos Vide TMB Page -					
@Rs 8967.00/No = Rs					17934.00
(17) Planting of tree & their maint.					
90.00 Nos Vide TMB Page -					
@Rs 1255.02/No = Rs					113312.00
(18) Road marking for BT Road.....					
360.00 m ² Vide TMB Page -					
@Rs 824.79/m ² = Rs					296924.00
(19) Road marking for C road.....					
100.00 m ² Vide TMB Page -					
@Rs 931.80/m ² = Rs					93180.00

Continuation

Continuation

Material Statement

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Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
① Earth -	1436.55	m ³			47421
② Cement -	108.329	MT			
③ Coarse Sand -	226.903	m ³			34050-0
④ Aggregate -	986.804	m ³			
⑤ B.E. (SS-1) -	1.608	MT			
⑥ B.E. (RS-1) -	2.440	MT			
⑦ Bitumen (S90) -	23.322	MT			

Supply of Bitumen

EE DOL No - ~~1386~~ 1386/19.10.23

IOCL	Doc No	Qty.
Date		
06.11.23	- 772822420 -	25.10 MT
		23.322
		Balance - 1.778 MT

Supply of B.E. (SS-1 & RS-1)

First choice

(SS-1) 22.11.23 -	FY23-24 FCE/54 -	2.40 MT
		1.608 MT
	Balance -	0.792 MT
(RS-1) - 22.11.23 -	FY23-24 FCE/54 -	2.60 MT
		2.44 MT
	Balance -	0.160 MT

by
28.12.23
S.E.

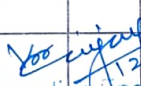
8 MT

Continuation

Tax 1234731 = u

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Sch.XLV-Form No. 134 *T. Vaul 68596/4-00*

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
		Memo of Payment			
		S.V. SD - 404718=00			
		21. IT - 137193=00			
		17. COST - 68597=00			
		H. SOST - 68597=00			
		Royalty - 81471=00			
		S fee - 91892=00			
		122 cells - 80944=00			
		Cheque <u>7160933=00</u>			
		Gross 8094345=00			
		Passed for 8094345=00 Eighty			
		four ninety four thousand three			
		hundred forty five only.			
		 Executive Engineer Rural Works Department Works Division, Raxaul			
		 S.D.O. 12.2.44			

Continuation