

N.H. 30 Hanuman mandir to Jivika Chauri Nigaman
centre pateh jangpur.

Schedule XLV-Form No. 134

E.E RWD WORK

DIVISION

Patna.

Patna Sadar

SUB-DIVISION

रजेश राजेश कुमार

7730

MEASUREMENT BOOK

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).

(These four lines should be filled up with details of the measurements relating to each work).					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
	1st an	Atc Bill			
Name of work:-	Construction & five years maintenance of Road from NH-30 Hanuman Mandir to Jivika Choori Aliman Center Fatehjangpur under MCHSV - NDB (Anush)				
Agency:-	Rajesh Kumar, c/o K. P. Singh,				

Lalji Talu, COA Building, Patna-800001.					
Agreement no - 09/SBD/24-25					
Rate Approved - 3.79% Below					
Date of commencement - 06/09/24					
Date of completion - 05/09/25					
Date of measurement - 8/10/24.					
Work done					
Item ① Prov. & fixing of work					
- King bench mark Pillars					
- do - do - do - Etc					
Working bench mark Pillars - 1.00 nos.					
Reference Pillars - 2.00 nos.					

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Item (2) clearing & grubbing road land - do - E/S					
2 x 10 x 30.00 + 1.00 =					600.00 m ²
2 x 10 x 30.00 + 1.00 =					600.00 "
					1200.00 m ²
∴ Hect = 1200.00 m ² / 10000 = 0.12 Hect.					
Item (3) construction of embankment with material obtained from borrow pits					
--- do --- do --- do --- E/S					
CL Work Calculation					

it gives below
per chart —

S/No.	CH	Area	mean Area	Distance	Volume
	(m)	(m ²)	(m ²)	(m)	(m ³)
1	0	7.749	-	-	-
2	50	7.760	7.755	50	387.725 m ³
3	100	7.763	7.762	50	388.075 m ³
5	150	7.772	7.768	50	388.375 m ³
6	200	7.760	7.766	50	388.300 m ³
7	250	7.792	7.776	50	388.800 m ³
8	300	7.713	7.753	50	387.625 m ³
10	350	7.830	7.772	50	388.575 m ³
11	400	7.677	7.754	50	387.675 m ³

Continuation

3

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	

Sl No	CH	Area (M ²)	Area (M ²)	Dist (M)	Volume (M ³)
12	450	7.823	7.750	50	387.500 M ³
13	500	7.791	7.807	50	390.350 "
14	550	7.756	7.774	50	388.675 "
15	600	7.839	7.798	50	389.875 "
Total Qty					4661.550 M ³
E/W Qty with Subgrade (SAY) =					4661.55 M ³
Less Subgrade					900.00 M ³
Net E/W Qty (1000 M Load) =					3761.55 M ³

24/09/24 J.E 24/09/24 AC					
Item (4) Construction of sub grade & earthen shoulder					
width - 30.00 - 5.00 - 0.300 =					
2 x 10 x 30.00 x 5.00 x 0.300 =					450.00 M ³
2 x 10 x 30.00 x 5.00 x 0.300 =					450.00 "
					900.00 M ³
Item (5) Filling in subgrade & earthen shoulder with					
5% Sand - do - 19'					
10 x 30.00 x 3.75 x 0.150 =					168.75 M ³
Continuation					
10 x 30.00 x 3.75 x 0.150 =					168.75 "
					337.50 M ³

4

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	

Item (6)	Construction of GSD				
	Grading-I by Prov. Well				
	graded material do-Elg.				
	1	30.00	5.00	3.75	0.100 = 13.125 m ³
	6	30.00	3.75	3.75	0.100 = 67.50 "
	1	30.00	3.75	5.00	0.100 = 13.125 "
	1	30.00	5.00	3.75	0.100 = 13.125 "
	1	46.00	3.75	3.75	0.100 = 17.25 "
	1	77.00	3.75	3.75	0.100 = 28.875 "
	1	15.00	3.75	5.00	0.100 = 6.5625 "
	1	15.00	5.00	3.75	0.100 = 6.5625 "
	1	45.00	3.75	3.75	0.100 = 16.875 "

	1	15.00	3.75	4.50	0.100 = 6.1875 "
	1	15.00	4.50	3.75	0.100 = 6.1875 "
	2	30.00	3.75	3.75	0.100 = 22.50 "
	1	12.00	3.75	3.75	0.100 = 4.50 "
	1	19.00	3.75	3.75	0.100 = 7.125 "
					229.50 m ³

30/09/24

J.E.

Sub
30/09/24
RE

Item (7)	Prov. laying, spreading				
	& compacting stone				
	aggregates of specified				

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Item (7) Contd (WBM Gr. II)					
Gravel to WBM Gr. II - 20-Elg.					
1 x 30.00 x 5.00 + 3.75 x 0.075 =					9.84 m ³
6 x 30.00 + 3.75 x 0.075 =					50.625 m ³
1 x 30.00 x 3.75 + 5.00 x 0.075 =					9.84 m ³
1 x 30.00 + 5.00 + 3.75 x 0.075 =					9.84 m ³
1 x 46.00 x 3.75 + 0.075 =					12.94 m ³
1 x 77.00 x 3.75 + 0.075 =					21.66 m ³
1 x 15.00 x 3.75 + 5.00 x 0.075 =					4.92 m ³
1 x 15.00 x 5.00 + 3.75 x 0.075 =					4.92 m ³
1 x 45.00 x 3.75 + 0.075 =					12.66 m ³
1 x 15.00 x 3.75 + 4.50 x 0.075 =					4.64 m ³
1 x 15.00 + 4.50 + 3.75 x 0.075 =					4.64 m ³
2 x 30.00 x 3.75 + 0.075 =					16.975 m ³
1 x 12.00 x 3.75 + 0.075 =					3.375 m ³
1 x 19.00 x 3.75 + 0.075 =					5.34 m ³
					172.115 m ³
Item (8) Prov. & fixing of typical					
masonry Informatory					
Reign board with "log" - Elg					
Informatory board of					1.00 No.
Uti men board					1.00 No.
					2.00 Nos.

Continuation

8/10/24
J.E.

8/10/24
A.E.

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
<u>material statement</u>					
(i) Earth -					4661.55 m ³
(ii) G.B (53 to 9.5 mm) -					137.70 m ³
(iii) G.B (9.5 to 2.36 mm) -					55.08 m ³
(iv) G.B (2.36 mm below stone dust -					82.62 m ³
(v) W.G.M (53 to 2.4 mm) -					208.26 m ³
(vi) Stone Screening (Type B					
11.2 mm)					41.31 m ³
(vii) Earth					337.50 m ³
(viii) Local sand					16.875 m ³
10/10/24 J.E. 11/10/24 AS					

	Significance	
① Earth - 4661.55 m^3		10%
10% of $4661.55 = 466.155 \text{ m}^3$		16432.00
② GSB 472 - 229.50 m^3		
10% of $229.50 = 22.95 \text{ m}^3$		17386.00
③ WB 141 - 172.15 m^3		
10% of $172.15 = 17.215 \text{ m}^3$		24685.00
④ Earth - 337.50 m^3		
10% of $337.50 = 33.75 \text{ m}^3$		1190.00
⑤ Local Sand - 16.875 m^3		
10% of $16.875 = 1.6875 \text{ m}^3$		2440.00
		57437.00

Continuation

7
Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
(1)	Prov. & fixing & working bench mark Pillar do- working bench mark Pillar.				
1.00 no. vide T.M.B.P. (1)					
Rs 4594 = 42/each					Rs 4594 = 00
Reference Pillar					
2.00 nos. vide T.M.B.P. (1)					
Rs 6717 = 90/each					Rs 13436 = 00
(2)	clearing & grubbing road land do- 0.12 Hect. vide T.M.B.P. (2)				
Rs 76224 = 08/1 Hect					Rs 9231 = 00
(3)	Construction of embankment with material obtained from borrow pits in the road upto 100 m. do do do do- 3761.55 m ³ vide T.M.B.P. (3)				
Rs 104 = 07/m ³					Rs 391239 = 00
(4)	Construction of sub grade & earthen Shou. 1000.00 m ³ vide T.M.B.P. (4)				
Rs 252 = 88/m ³					Rs 227592 = 00
					Rs 646092 = 00

Continuation



Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				13 Fb 239	2708=00
Add 1% Loss (F) 1					23907=00
Add Seigniorage Fee					
vide Tm 24 (F) 1					59937=00
				13 2474552	=00
Add 18% GST (F) 1					445419=00
				13 2919971	=00
Less 3.74% below					
as per agreement (F) 1					1, 10, 667=00
				13 2809304	=00
C.P.P.					
10/2/25					
En					

Letter No. 137 dated 31/1/25	RS-1664000=
1st on A/C Bill	RS-2809304=00
Memo of Payment Limit	RS-1664000=00
S.D.B.V. - RS-83200=00	
R. 133120=00	
I.T. 1% - RS-16640=00	
L.C. 1% - RS-16640=00	
S.GST. 1% - RS-16640=00	
C.GST. 1% - RS-16640=00	
ROY (F) - RS-246246=00	
S.F - RS-59937=00	
1158137=00	
By cheque - RS-1258057=00	
Total RS-1664000=00	
Page 1 of RS-1664000=00 (Sixteen Lakh - Sixty Four Thousand) only 1	

Examiner
R.M.D. Works