

M/R-N/23-24; NH 30A Fatuha (Saidpur Chowk) to
Bhikhua 4 lane

Schedule XLV-Form No. 134

NIS Dhanshwar north

E.E. R.W.D. works DIVISION
Patna

Fatuha SUB-DIVISION

Measurement Book

7621

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.	
1st on A/c Bill					
Name of work:-		Repair & five year maintenance of Road from NH 30 A			
		Fateha (Saidpur Chowk)			
		to Dikikha 4 Lane			
		under 2054 MR.			
Agency:-		M/s Dhaneswar Nath Construction, Vill - Kosut Kishapur			
		Madhuban Road, P.O. - Kosut,			

P.S. - Dhaneswar, Dist. Patna
 824 452
 Agreement no - 32/1030/23-24
 Rate approved - 10.00% below.
 Date of commencement - 19/8/23
 Date of completion - 18/5/24
 Date of measurement - 09/12/23.

	Work done				
Item ①	clearing & grubbing				
	road bed - do - etc				
	2	10×30.00	$+ 2.00 =$	1200.00 m^2	
	2	10×30.00	$\times 2.00 =$	1200.00 m^2	
	2	10×30.00	$\times 2.00 =$	1200.00 m^2	

403600.00 m²

Continuation

PTD

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item ① Contd. (Clearing & 4x10m)					BF = 3600.00 m ²
2 x 10 x 30.00 x 2.00 = 1200.00 "					
2 x 10 x 30.00 x 2.00 = 1200.00 "					
2 x 10 x 30.00 x 2.00 = 1200.00 "					
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2 x 10 x 30.00 x 2.00 = 1200.00 "					
2 x 10 x 30.00 x 2.00 = 1200.00 "					
					13200.00 m

∴ Hect = $13200.00 \text{ m} / 10000 = 1.32 \text{ Hect.}$

Item ② Construction of embankment with material obtained from borrow pits with a load up to 1000 kg - etc.					3
2 x 10 x 30.00 x 1.125 (cu) x 0.50 m = 337.50 m					
2 x 10 x 30.00 x 1.125 (cu) x 0.50 m = 337.50 "					
2 x 10 x 30.00 x 1.125 (cu) x 0.50 m = 337.50 "					
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2 x 10 x 30.00 x 1.125 (cu) x 0.50 m = 337.50 "					
2 x 10 x 30.00 x 1.125 (cu) x 0.50 m = 337.50 "					

Continuation 40 3375.00 m²

P.T.V

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (2) Contd.					1.1 = 3375.00 m ³
2 x 3 x 30.00 x 1.125			30.50 (AV)		101.25 m ³
2 x 1 x 10.00 x 1.125			10.50 (AV)		11.25 m ³
					3487.50 m ³
Item (3) Construction of Sub-					
grade & another show.					
1/4" - 1/4" - 1/4" - 1/4"					
2 x 6 x 30.00 x 0.50 x 0.300					54.00 m ³
2 x 1 x 30.00 x 0.50 x 0.300					6.00 m ³
2 x 10 x 30.00 x 1.125 x 0.450					303.75 m ³
2 x 10 x 30.00 x 1.125 x 0.450					303.75 m ³
2 x 10 x 30.00 x 1.125 x 0.450					303.75 m ³
2 x 10 x 30.00 x 1.125 x 0.450					303.75 m ³
2 x 10 x 30.00 x 1.125 x 0.450					303.75 m ³
2 x 10 x 30.00 x 1.125 x 0.450					303.75 m ³
2 x 10 x 30.00 x 1.125 x 0.450					303.75 m ³
2 x 10 x 30.00 x 1.125 x 0.450					303.75 m ³
2 x 3 x 30.00 x 1.125 x 0.450					41.95 m ³
2 x 1 x 10.00 x 1.125 x 0.450					10.125 m ³
					3178.75 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item ④ Contd (Ls 5092 D)					
	1x	13.00	2.40	0.150	= 4.68 m
	1x	10.00	2.30	0.150	= 3.45 "
	1x	9.00	2.10	0.150	= 2.84 "
	1x	12.00	2.40	0.150	= 4.32 "
	1x	11.00	2.00	0.150	= 3.30 "
	1x	13.00	1.90	0.150	= 3.71 "
	1x	9.00	2.20	0.150	= 2.97 "
	1x	10.00	2.40	0.150	= 3.60 "
	1x	10.00	2.50	0.150	= 3.75 "
	1x	13.00	2.60	0.150	= 5.07 "
	1x	10.00	2.30	0.150	= 3.45 "

	1x	12.00	1.90	0.150	= 3.42 "
	1x	12.00	2.00	0.150	= 3.60 "
	1x	13.00	1.80	0.150	= 3.51 "
	1x	14.00	2.00	0.150	= 4.20 "
	1x	15.00	2.20	0.150	= 4.95 "
	1x	12.00	2.40	0.150	= 4.32 "
	1x	11.00	2.70	0.150	= 4.46 "
	1x	13.00	2.50	0.150	= 4.88 "
	1x	9.00	2.60	0.150	= 3.51 "
	1x	10.00	2.20	0.150	= 3.30 "
	1x	11.00	2.10	0.150	= 3.47 "
	1x	10.00	2.30	0.150	= 3.45 "
	1x	9.00	2.40	0.150	= 3.24 "
	1x	13.00	2.70	0.150	= 5.07 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item ④ Contd (13.05.20)					
1x	11.00	2.50	0.150		4.13 m ³
1x	13.00	2.80	0.150		5.46 "
1x	12.00	2.90	0.150		5.22 "
1x	13.00	2.40	0.150		4.68 "
1x	11.00	2.20	0.150		3.63 "
1x	10.00	2.30	0.150		3.45 "
1x	12.00	2.10	0.150		3.78 "
1x	13.00	2.00	0.150		3.90 "
1x	11.00	1.80	0.150		2.97 "
1x	14.00	2.20	0.150		4.62 "
1x	15.00	2.10	0.150		4.73 "
1x	13.00	2.40	0.150		4.68 "
1x	12.00	1.60	0.150		2.88 "
1x	16.00	2.50	0.150		6.00 "
1x	14.00	2.70	0.150		5.67 "
1x	13.00	1.90	0.150		3.71 "
1x	12.00	1.80	0.150		3.24 "
1x	11.00	2.00	0.150		3.30 "
					235.31 m ³
Item ⑤ Proc. laying, spreading & compacting stone aggregates of specific sizes to 13.05.20 do do etc					
1x	7.00	2.40	0.075		1.26 m ³
1x	6.00	2.70	0.075		1.22 "

Continuation

PTD

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>2 km (5) land (in m by ft)</u>					
	1 x 5.00	x 2.50	x 0.075 =	0.942	
	1 x 8.00	x 2.10	x 0.075 =	1.26 "	
	1 x 5.00	x 2.70	x 0.075 =	1.01 "	
	1 x 7.00	x 2.10	x 0.075 =	1.10 "	
	1 x 8.00	x 2.60	x 0.075 =	1.56 "	
	1 x 5.00	x 2.70	x 0.075 =	1.01 "	
	1 x 6.00	x 2.20	x 0.075 =	0.99 "	
	1 x 7.00	x 2.40	x 0.075 =	1.26 "	
	1 x 5.00	x 2.50	x 0.075 =	0.94 "	
	1 x 7.00	x 2.60	x 0.075 =	1.37 "	
	1 x 6.00	x 2.40	x 0.075 =	1.08 "	
	1 x 8.00	x 2.00	x 0.075 =	1.20 "	
	1 x 7.00	x 2.40	x 0.075 =	1.26 "	
	1 x 9.00	x 2.60	x 0.075 =	1.76 "	
	1 x 5.00	x 2.50	x 0.075 =	0.94 "	
	1 x 7.00	x 2.50	x 0.075 =	1.31 "	
	1 x 5.00	x 1.80	x 0.075 =	0.68 "	
	1 x 6.00	x 1.70	x 0.075 =	0.77 "	
	1 x 8.00	x 1.40	x 0.075 =	0.84 "	
	1 x 9.00	x 1.50	x 0.075 =	1.01 "	
	1 x 7.00	x 1.40	x 0.075 =	1.00 "	
	1 x 11.00	x 2.00	x 0.075 =	1.65 "	
	1 x 8.00	x 1.80	x 0.075 =	1.08 "	
	1 x 9.00	x 2.10	x 0.075 =	1.42 "	
	1 x 12.00	x 2.10	x 0.075 =	1.98 "	

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Item ⑤ Contop (unmep. D)</u>					
1x	14.00	2.40	0.075		2.52 m ³
1x	13.00	2.60	0.075		2.54 "
1x	10.00	2.50	0.075		1.88 "
1x	9.00	2.30	0.075		1.55 "
1x	12.00	2.60	0.075		2.34 "
1x	11.00	2.90	0.075		1.82 "
1x	13.00	2.10	0.075		2.05 "
1x	9.00	2.40	0.075		1.62 "
1x	10.00	2.60	0.075		1.95 "
1x	10.00	2.70	0.075		2.03 "
1x	13.00	2.80	0.075		2.73 "
1x	10.00	2.50	0.075		1.83 "
1x	12.00	2.10	0.075		1.87 "
1x	12.00	2.20	0.075		1.98 "
1x	13.00	2.00	0.075		1.95 "
1x	14.00	2.20	0.075		2.31 "
1x	15.00	2.40	0.075		2.70 "
1x	12.00	2.60	0.075		2.34 "
1x	11.00	2.90	0.075		2.37 "
1x	13.00	2.70	0.075		2.63 "
1x	9.00	2.80	0.075		1.89 "
1x	10.00	2.40	0.075		1.80 "
1x	11.00	2.30	0.075		1.90 "
1x	10.00	2.50	0.075		1.88 "
1x	9.00	2.60	0.075		1.76 "
1x	13.00	2.90	0.075		2.83 "
1x	11.00	2.70	0.075		2.23 "

Continuation

PTD

	Seigniorage	10%
(1)	Euro - 6686.25 m ³	
	10% of 6686.25 = 668.625 m ³	23569 = 2
(17)	Geo for II - 235.31 m ³	
	10% of 235.31 = 23.531 m ³	13574 = 0
(10)	WOM for II - 160.12 m ³	
	10% of 160.12 = 16.012 m ³	21969 = 0
(10)	WOM for III - 228.15 m ³	
	10% of 228.15 = 22.815 m ³	32722 = 0
(1)	M.S.S - 3042.00 m ²	
	10% of 3042.00 = 304.200 m ²	3531 = 0
(10)	S.D.C - 271.36 m ³	
	10% of 271.36 = 27.136 m ³	17760 = 0
		474 112430 = 0

Continuation

Continuation

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Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
(1)	Clearing & grubbing road land - do - etc.				
1.32 Hect. vide TM B Page (2)					
	el	75573334	HA - R		99,757.50
(2)	Construction of embankment with approved material obtained from borrow pits - do - etc.				
3487.50 m ³ vide TM B Page (3)					
	el	259519/m ³		R	9,03,995.00
(3)	Construction of sub grade & shoulder - do - etc.				
3148.75 m ³ vide TM B Page (3)					
	el	259594/m ³		R	8,31,483.00
(4)	Construction of sub by form. well graded material & R - do - etc.				
235.31 m ³ vide TM B Page (6)					
	el	2335597/m ³		R	5,48,206.00
(5)	Poor. laying, spreading & Compacting stone aggregates & spacing to 400 mm & etc.				
160.12 m ³ vide TM B Page (10)					
	el	516204/m ³		R	82,654.00

Continuation

445 32, 1091200

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2nd on 1/c Bill					
Name of work:-	Repair & Finishing Maintenance of Road from NH-30A				
	Fateha (Saidpur Chowk)				
	to Bhikha 4 Lane under				
	3054 MR.				
Agency:-	M/s Dhaneshwar Nath Construc-				
	tion Village, Kosatki tipko				
	Madhaban Road, P.O. Kosat,				
	P.S. Dhanauka, Dist. Patna-804452				
Agreement no-	32/1000/23-24				
Date Approved-	10.00/10.00/23				
Date of commencement-	19/03/2023				
Date of completion-	18/05/2024				
Work done	NIL				
18/03/24	18/03/24				
ABSTRACT OF COST					
①	clearing & grubbing				
	road land - do - etc.				
1.32 Hect. vide Tr 03 Page 32					
@ 75,573 = 34/Hect - 15					99757.00
cpd					99757.00

Continuation

PTD