

Road Name— PCD Road — Jethuli to
Baisiya to Deva Ramchak Paswan to 1q

Schedule XLV-Form No. 134

_____ **DIVISION**

_____ **SUB-DIVISION**

MB No — 7563

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).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	34 on A/c Bill				
Name of work:	Repair & five years Maintenance of Road from Red Road Jethwal to Bariga to Devaram chakharjan Samudayik bhawan under MMUSY NOD-BRRP. 406 Patna				
Agency -	Sheela Magatech LLP, Adarsh Colony, Khamrichak. A.O-W.				
	Jaganpura P.S. Ramkiksha Nagar, Patna - 800016.				
Agreement no -	24/58D/23-24				
Rate Approved -	0.51 Rs/Bsqm.				
Date of commencement -	15/05/23				
Date of completion -	14/05/24.				
Date of measurement -	20/06/23.				
Work -	do x				
Item ①	Prov. & fixing of working benchmarks/Reference pillars - do - do - etc.				
Benchmark pillar of 100/1200 =	1.00 Nos.				
Reference pillar of 100/1200 =	1.00 Nos.				

Continuation

PTD

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Item ② clearing & grubbing road land - do - etc.					
$2 \times 10 \times 30.00 \times 3.50 =$					2100.00 m ²
$2 \times 1 \times 26.00 \times 3.50 =$					182.00 "
					2282.00 m ²
$= 2282.00 \text{ m}^2 / 10,000 = 0.23 \text{ Hect.}$					

Item ③ Construction of embankment with material obtained from borrow pits - do - do - etc.					
Elm calculation					

is given below as

per chart -

S/No	CH	Area	Mean Area	Distance	Volume
	(M)	(M ²)	(M ²)	(M)	(M ³)
1	0	1.343	-	-	-
2	50	1.35	1.347	50	67.33 m ³
3	100	1.359	1.355	50	67.73 "
4	150	1.361	1.360	50	68.00 "
5	200	1.357	1.359	50	67.95 "
6	250	1.382	1.370	50	68.48 "
7	300	1.39	1.386	50	69.30 "
8	326	1.426	1.408	26	36.61 "
			Total Qty.		445.38 m ³
Earth - 1000.00 m ² lead -					445.38 m ³

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Item (4) Construction of G.B.					
Grade & kerthen sho-					
- water - do - etc.					
7 x 30.00 x 5.00 x 0.30 =					315.00 m ³
1 x 27.00 x 5.00 x 0.30 =					40.50 "
2 x 30.00 x 6.00 x 0.30 =					108.00 "
1 x 29.00 x 6.00 x 0.30 =					52.90 "
					515.70 m ³
Item (5) Construction of G.B. by					
Prov. well graded mat.					
- gravel, etc. - do - etc.					
1 x 15.00 x 4.50 x 3.75 x 0.100 =					6.19 m ³
4 x 30.00 x 3.75 x 0.100 =					45.00 "
1 x 15.00 x 3.75 x 4.50 x 0.100 =					6.19 "
1 x 15.00 x 4.50 x 3.75 x 0.100 =					6.19 "
2 x 30.00 x 3.75 x 0.100 =					22.50 "
1 x 12.00 x 3.75 x 4.25 x 0.100 =					4.80 "
1 x 15.00 x 4.50 x 3.75 x 0.100 =					6.19 "
2 x 30.00 x 3.75 x 0.100 =					22.50 "
1 x 14.00 x 3.75 x 0.100 =					5.25 "
					124.81 m ³
					Limit to 124.70 m ³

Continuation

PTD

Continuation

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Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	ABSTRACT OF COST				
①	Prov. & fixing & working benchmark reference pillar - do - do - etc.				
	benchmark pillar				
	1.00 nos. 1/2" dia T.M.B.P. - ①				
	@ Rs 4457.19/each - Rs				4457.00
	Reference pillar				
	1.00 nos. 1/2" dia T.M.B.P. - ①				
	@ Rs 8256.68/each - Rs				8257.00
②	Clearing & grubbing road land - do - etc.				
	0.23 Hect. - vide T.M.B.P. ②				
	@ Rs 72,697.86/hect - Rs				16,721.00
③	Construction of embankment with material obtained from borrow pits with a lead up to 1000. m - do - do - etc.				
	445.38 m ³ vide T.M.B.P. ②				
	@ Rs 258.51/m ³ - Rs				1,15,135.00
④	Construction of sub-grade & then shoulder - do - do - do - etc.				
	515.70 m ³ vide T.M.B.P. ③				
	@ Rs 259.38/m ³ - Rs				1,33,762.00
					Total Rs 2,78,332.00

Continuation

PTD

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				Rs 2,78,332.00	
(5) Construction of curb by Prov. well graded material 10% do-etc. 124.70 m ³ vide TMB Page (3) Rs 233110/m ³ — Rs 4,15,388.00					
(6) Prov. laying, spreading & compacting of agg. - regates of 400 mm to 750 mm do-etc. 93.59 m ³ vide TMB Page (4) Rs 4770 = 421 m ³ — Rs 4,46,130.00					
(7) Prov. laying of typical MCM in formation sign board with logo do do do etc. 2.00 m ³ vide TMB Page (4) Rs 11,169 = 13 / each — Rs 22,338.00					
				Rs 11,62,188.00	
Add 18% GST (H)				Rs 2,09,196.00	
Add 1% L-SS (H)				Rs 11,622.00	
Add Seigniorage fee vide TMB Page (4)				Rs 23,639.00	
				Rs 14,06,643.00	
Less 0.51% below as per agreement (2)				Rs 7,174.00	
				Rs 13,99,469.00	

Continuation

20/06/23
J.E.

20/06/23
AC

20/06/23