

Schedule XLV-Form No. 134

Name of work:-

Sherpur to Shivani Road Improvement

Executive Engineer, R.W.D.W. DIVISION

Bakhthiyarpur

SUB-DIVISION

MB NO - 7614

MEASUREMENT BOOK

Name of Agency:- M/s Ramjee Singh Construction Pvt. Ltd

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.	
<u>1st on file B211</u>					
Name of work:-	Repair & five year maintenance of road from Sherpur to Shikhar under 3054 m				
Agency:-	M/s Ramjee Singh Cons- truction Private Limited Opp. Fire Brigade Office, Kachhauri Road Bihar- Sharif, Bihar				

Agreement no- 26/MBD/23-24
 Rate Approved- 0.2 % Below.
 Date of commencement- 07/07/2023
 Date of completion- 10/04/2024
 Date of measurement- 30/11/23

Work done
 Item ① clearing & grubbing
 road land etc

$2 \times 10 \times 30.00 \times 2.00 = 1200.00 \text{ m}^2$
$2 \times 10 \times 30.00 \times 2.00 = 1200.00 \text{ m}^2$
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$2 \times 10 \times 30.00 \times 2.00 = 1200.00 \text{ m}^2$
$2 \times 10 \times 30.00 \times 2.00 = 1200.00 \text{ m}^2$

Continuation 40 6000.00 m²

P.T.O.

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Item ① contd (clearing & grubbing)					BF = 6000.00 m ²
$2 \times 10 \times 30.00 \times 2.00 =$					1200.00 "
$2 \times 10 \times 30.00 \times 2.00 =$					1200.00 "
$2 \times 10 \times 30.00 \times 2.00 =$					1200.00 "
$2 \times 10 \times 30.00 \times 2.00 =$					1200.00 "
$2 \times 10 \times 30.00 \times 2.00 =$					1200.00 "
$2 \times 10 \times 30.00 \times 2.00 =$					1200.00 "
$2 \times 10 \times 30.00 \times 2.00 =$					1200.00 "
$2 \times 10 \times 30.00 \times 2.00 =$					1200.00 "
$2 \times 10 \times 30.00 \times 2.00 =$					1200.00 "
$2 \times 10 \times 30.00 \times 2.00 =$					1200.00 "
$2 \times 3 \times 30.00 \times 2.00 =$					360.00 "

$$2 \times 1 \times 10.00 \times 2.00 = 40.00 "$$

$$17200.00 \text{ m}^2$$

$$\therefore \text{Rate} = 17200.00 \text{ m}^2 / 10,000 = 1.72 \text{ Hect.}$$

Item ② Construction of embankment with approved material obtained from borrow pits with a load up to 100.0 m. etc

$$2 \times 10 \times 30.00 \times 1.00 \times 0.49 \text{ (AV)} = 270.00 \text{ m}$$

$$2 \times 10 \times 30.00 \times 1.00 \times 0.49 \text{ (AV)} = 270.00 "$$

$$2 \times 10 \times 30.00 \times 1.00 \times 0.49 \text{ (AV)} = 270.00 "$$

$$2 \times 10 \times 30.00 \times 1.00 \times 0.49 \text{ (AV)} = 270.00 "$$

Continuation $270 = 1080.00 \text{ m}$

P.T.O

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					BF = 1080.00 m ³
Item (2) Contd (Constn & embankment)					
2 x 10 x 30.00 x 1.0 (ay) x 0.45 (ay)					= 270.00 m ³
2 x 10 x 30.00 x 1.0 (ay) x 0.45 (ay)					= 270.00 "
2 x 10 x 30.00 x 1.0 (ay) x 0.45 (ay)					= 270.00 "
2 x 10 x 30.00 x 1.0 (ay) x 0.45 (ay)					= 270.00 "
2 x 10 x 30.00 x 1.0 (ay) x 0.45 (ay)					= 270.00 "
2 x 10 x 30.00 x 1.0 (ay) x 0.45 (ay)					= 270.00 "
2 x 10 x 30.00 x 1.0 (ay) x 0.45 (ay)					= 270.00 "
2 x 10 x 30.00 x 1.0 (ay) x 0.45 (ay)					= 270.00 "
2 x 10 x 30.00 x 1.0 (ay) x 0.45 (ay)					= 270.00 "
2 x 6 x 30.00 x 1.0 (ay) x 0.45 (ay)					= 162.00 "
2 x 1 x 20.00 x 1.0 (ay) x 0.45 (ay)					= 18.00 "
					3690.00 m ³
Item (3) Excavation for road work in bed with hydraulic excavator with discharge up to 1000 mm depth					
CH. 4100.00 to 4300.00 m (Box cutting)					
2 x 6 x 30.00 x 0.375 x 0.100					= 13.50 m ³
2 x 1 x 20.00 x 0.375 x 0.100					= 1.50 "
					15.00 m ³

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Item (4) Construction of sub grade & earthen slop.					
- 1:1.25 - do - do - etc.					
For portion	2x6	30.00	0.30		64.80 m ³
	2x1	30.00	0.60		7.20 "
For portion	2x10	30.00	1.125		902.50 "
	2x10	30.00	1.125		902.50 "
	2x10	30.00	1.125		902.50 "
	2x10	30.00	1.125		902.50 "
	2x10	30.00	1.125		902.50 "
	2x10	30.00	1.125		902.50 "
	2x10	30.00	1.125		902.50 "
	2x10	30.00	1.125		902.50 "
	2x10	30.00	1.125		902.50 "
	2x6	30.00	1.125		121.50 "
	2x1	30.00	1.125		13.50 "
					2839.50 m ³
Item (5) Construction of C/SB					
Gr. II by Prov. Well & a					
- good material - do - etc.					
For	1x11.00	2.30	0.150		3.80 m ³
	1x10.00	2.60	0.150		3.90 "
					Continuation 40 = 7.70 m ³

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					BF = 7.70 m
<u>Item 5 Contd (G.S.B.R.D)</u>					
	1x	9.00	2.40	0.150	3.24 "
	1x	12.00	2.00	0.150	3.60 "
	1x	9.00	2.60	0.150	3.51 "
	1x	11.00	2.00	0.150	3.30 "
	1x	12.00	2.50	0.150	4.50 "
	1x	9.00	2.60	0.150	3.51 "
	1x	10.00	2.10	0.150	3.15 "
	1x	9.00	2.30	0.150	3.11 "
	1x	9.00	2.40	0.150	3.24 "
	1x	11.00	2.50	0.150	4.13 "
	1x	10.00	2.30	0.150	3.45 "

	1x	12.00	1.90	0.150	3.42 "
	1x	11.00	2.30	0.150	3.80 "
	1x	10.00	2.50	0.150	3.75 "
	1x	9.00	2.40	0.150	3.24 "
	1x	11.00	2.40	0.150	3.96 "
	1x	9.00	1.70	0.150	2.30 "
	1x	10.00	1.60	0.150	2.40 "
	1x	12.00	1.30	0.150	2.34 "
	1x	13.00	1.40	0.150	2.73 "
	1x	11.00	1.80	0.150	2.97 "
	1x	15.00	1.90	0.150	4.28 "
	1x	8.00	1.70	0.150	2.04 "
	1x	9.00	2.00	0.150	2.70 "
	1x	12.00	2.10	0.150	3.78 "

Continuation

PTD

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
<u>Item (5) Contd (4503 to II)</u>					
	1	15.00	1.70	0.150	3.83
	1	16.00	2.90	0.150	5.98
	1	11.00	2.80	0.150	3.80
	1	13.00	2.50	0.150	4.88
	1	14.00	2.90	0.150	6.09
	1	15.00	2.60	0.150	5.85
	1	16.00	2.50	0.150	6.00
	1	14.00	2.40	0.150	5.04
	1	14.00	2.30	0.150	4.83
	1	13.00	2.90	0.150	4.99

	1	14.00	2.50	0.150	5.25 "
	1	13.00	2.60	0.150	5.07 "
	1	12.00	2.90	0.150	5.22 "
	2	11.00	2.80	0.150	9.94 "
	1	13.00	2.60	0.150	5.07 "
	4	10.00	2.80	0.150	16.80 "
	1	13.00	2.70	0.150	5.27 "
	3	12.00	2.60	0.150	14.04 "
	1	11.00	2.80	0.150	4.62 "
	1	13.00	2.90	0.150	5.66 "
	1	9.00	2.50	0.150	3.38 "
41000	2	6	30.00	0.375	13.50 "
43000	2	1	20.00	0.375	1.50 "

Continuation = 474.41 m³

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Item ⑤ Contd (G.S.S. 17)					474.41 m ³
1 x 20.00 x 3.75 x 0.100 =					7.50 m ³
					481.91 m ³
Item ⑥					
For laying, spreading					
& compacting of stone					
aggregate specific					
Grades to WBM 400					
-- do -- do -- etc					
For 1 x 11.00 x 2.50 x 0.075 =					2.06 m ³

1 x 10.00 x 2.80 x 0.075 =	2.10 "
1 x 9.00 x 2.60 x 0.075 =	1.76 "
1 x 12.00 x 2.20 x 0.075 =	1.98 "
1 x 9.00 x 2.80 x 0.075 =	1.89 "
1 x 11.00 x 2.20 x 0.075 =	1.82 "
1 x 12.00 x 2.70 x 0.075 =	2.43 "
1 x 9.00 x 2.80 x 0.075 =	1.89 "
1 x 10.00 x 2.30 x 0.075 =	1.73 "
1 x 9.00 x 2.50 x 0.075 =	1.69 "
1 x 9.00 x 2.60 x 0.075 =	1.76 "
1 x 11.00 x 2.70 x 0.075 =	2.23 "
1 x 10.00 x 2.50 x 0.075 =	1.88 "
1 x 12.00 x 2.10 x 0.075 =	1.89 "
1 x 11.00 x 2.50 x 0.075 =	2.06 "

Continuation

PTD

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
<u>2/2m ⑤ Contd (up to 40 D)</u>					
1x	10.00	2.70	0.075		2.03 m ³
1x	9.00	2.60	0.075		1.76 "
1x	11.00	2.60	0.075		2.15 "
1x	9.00	1.90	0.075		1.28 "
1x	10.00	1.90	0.075		1.35 "
1x	12.00	1.50	0.075		1.35 "
1x	13.00	1.60	0.075		1.56 "
1x	11.00	2.00	0.075		1.65 "
1x	15.00	2.10	0.075		2.36 "
1x	8.00	1.90	0.075		1.14 "
1x	9.00	2.20	0.075		1.49 "
1x	12.00	2.30	0.075		2.07 "
1x	14.00	2.50	0.075		2.63 "
1x	13.00	2.70	0.075		2.63 "
1x	10.00	2.60	0.075		1.95 "
1x	9.00	2.40	0.075		1.62 "
1x	12.00	2.70	0.075		2.43 "
1x	11.00	2.30	0.075		1.90 "
1x	13.00	2.20	0.075		2.15 "
1x	9.00	2.50	0.075		1.69 "
1x	10.00	2.70	0.075		2.03 "
1x	10.00	2.80	0.075		2.10 "
1x	13.00	2.90	0.075		2.83 "
1x	10.00	2.60	0.075		1.95 "
1x	12.00	2.20	0.075		1.98 "

Continuation

PTD

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
(1)	clearing & grubbing road land do. etc.				
1.72 Met wide T.M. flag (2)					
at 72.627-86 / Met. L. 1,95,040.00					
(2)	Construction of embankment with approved material obtained from borrow pits with a lead up to 1000.00 m do. etc.				X
3690.00 m ³ wide T.M. flag (3)					
at 958-51 / m ³ — Rs 1,69,539.00					
(3)	Excavation for road work in 80T with hydraulic excavators do. etc.				
15.00 m ³ wide T.M. flag (3)					
at 102-90 / m ³ — Rs 1,56,500.00					
(4)	Construction of sub-grade & earthen slope - do - do - etc.				
2839.50 m ³ wide T.M. flag (4)					
at 959-38 / m ³ — Rs 1,27,365.10					
(5)	Construction of 6.00 x 2.00 by low wall & stone material - do - etc.				
481.91 m ³ wide T.M. flag (9)					
at 2374-71 / m ³ — Rs 11,44,396.00					

Continuation

at 29,613.93

PTD

[illegible]

Continuation

PTV

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				13.12.1	0.774152=0
(10)	Prov. & applying tack				
	coat with bitumen emul-				
	sion (RS 4) - do - etc				
	7703.07 m ²	vide	T.M.B. Page	(26)	
	14148.75 m ²	vide	T.M.B. Page	(28)	
	21851.82 m ²	el 20 = 46/m ²	- Rs	4,47,088=00	
(11)	Prov. & laying S.D.P.C				
	with 100.190 TPH latex				
	type HM P - do - etc				
	353.79 m ³	vide	T.M.B. Page	(28)	
	el 13418.75 m ³	- Rs	47,46,480=00		
(12)	construction 3 up -				

	reinforced R.C.C. base				
	ment m. 30 thick do etc				
	122.40 m ³	vide	T.M.B. Page	(29)	
	el 8367.09/m ³	- Rs	10,24,132=00		
(13)	Supply & Prov. 114				
	300 mm dia Hume pipe				
	across drainage way				
	- do - do - etc				
	7.50 m.	vide	T.M.B. Page	(29)	
	el 820.75/Rm	- Rs	6156200		
(14)	Prov. & fixing of typical				
	mm Gray infomatory				
	brn covered with Logo				
	- do - do - etc				

Continuation

40 Rs 1,69,98,008=00

PTD

Continuation