

MMGSYC (Anushesh) - NJDB-BRRP3-172
Muslim Tola Mahahir to Dhobi Tola Manikthar

5

Schedule XLV-Form No. 134

Executive Engineer

DIVISION

R.W.D. Works Division

Sitamarhi

Panhar

SUB-DIVISION

MEASUREMENT BOOK

Sri Manoj Kumar Azad

3844

As-0 on A/C A/03

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 - Const. of Road					
From Muslim - Jala Melati					
to Dhobi - Jala Manikhar					
Under M.M.G.S.V. (N.W.S. 120)					
N.B.D. - B.R.R.P.2 - 132					
Name of Agency - Sri Manoj Kumar					
Agreement No - 280 - 53 of 2023 - 24					
Date of Commencement - 15-01-2024					
Date of Completion - 14-01-2025					

Record measurement					
①	24	Plv	M.M.G.S.V. Informatory		
			Sign board		
			all comp job		
			1 x 2 Nos	=	2 Nos
②	1	Plv	working bench mark		
			and reference pillar		
			all comp job		
			1 x 1.320 km	=	1.32 km
③	2	Plv	clearing and grubbing		
			road land		
			all comp job		
			10 x 30M x 3.50M	=	1050.00 m ²
			10 x 30M x 3.50M	=	1050.00 "

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	10 x	30 M	23.50 M		1050.00 M ²
	10 x	30 M	23.50 M		1050.00 "
	3 x	30 M	23.50 M		315.00 "
	1 x	30 M	23.50 M		105.00 "
					4620.00 M ²
					= 0.462 Hectare
	<i>Srikanth</i> 22/1/24 <i>P. Parthasarathy</i>				<i>P.H.</i> 22-01-24 <i>S.E.</i> <i>Parthasarathy</i>
	Record measurement				
	for HPC = 1 x 1000 mm				1 M02
①	25 Barbed work in concrete				
	for structure work				
	= 00 Comp Job				
	H.W = 2 x	6.45 M x 1.40 M x 1.50 M			27.09 M ³
	Below Pipe				
	1 x	4.85 M x 1.83 M x 0.365 M			2.71 M ³
					29.80 M ³
②	26 Providing P.C.C. grade				
	M-15 in foundation				
	all Comp Job				
	2 x	6.45 M x 1.40 M x 1.50 M			2.71 M ³
	<i>Srikanth</i> 05/02/24 <i>P. Parthasarathy</i>				<i>P.H.</i> 05-02-24 <i>S.E.</i> <i>Parthasarathy</i>
	Record measurement				
①	27 P/V P.C.C. grade M-20				
	in S.S.				
	all Comp Job				

Continuation

Sch.XLV-Form No. 134					
Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
1. W.W. - 2x6.15m x 0.89m x 0.40m					17.76 m³
(2) 26 Providing R.C. grade N.I.S in bedding. all comp job					
Be Locer Pipe 1x4.931 x 1.53m x 0.150 + 0.350					1.89 m³
<i>Surinder</i> <i>12/2/24</i>				<i>P.P.P</i> <i>12-02-24</i> <i>J.E.</i>	
				<i>Parihar</i>	
Record measurement					
(1) 28 P/V R.C. c. hump pipe NP (1x 1000mm G) all comp job					
					7.50M
(2) 27 P/V P.coch grade M-20 in S.S. all comp job					
					14.52 m²
less for pipe 2x3.14 x (1.20/2) x 0.66m					1.49 m³
proposed 2x6.15m x 0.400m x 0.400m					1.94 m³
					15.00 m³
<i>Surinder</i> <i>16/2/24</i>				<i>P.P.P</i> <i>16-02-24</i> <i>J.E.</i>	
				<i>Parihar</i>	
Record measurement					
(16) 3 Excavation in soil in road land all comp job					

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
8-RT Part	2x5x30m	0.525m	0.100m		15.75m ³
	2x1x20m	0.525m	0.100m		2.10"
	2x5x30m	0.525m	0.100m		15.75"
	2x5x30m	0.525m	0.100m		15.75"
	2x4x30m	0.525m	0.100m		12.60"
9-RT Part	2x2x30m	0.375m	0.100m		4.50"
	2x2x30m	0.375m	0.100m		4.50"
	2x1x10m	0.375m	0.100m		0.75"
	2x3x30m	0.375m	0.100m		6.75"
	2x2x30m	0.375m	0.100m		4.50"
	2x2x30m	0.375m	0.100m		4.50"
	2x1x10m	0.375m	0.100m		0.75"
					38.20 m ³
(2) Excavation for road work in soil					
all comp job.					
Qty same as per sl-1 P. (A) 38.20m ³					
(3) A Conc-Excavation of embankment soil obtained from road cutting					
all comp job					
Qty same as per sl-2 P. (A) 38.20m ³					
38.20m ³ x $\frac{60}{100}$ = 52.92m ³					
Signature 21/2/24					
21-02-24					
J.E.					
Parrihar					

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Record measurement					
land work calculation					
as per C/S graph (attached)					
0.000	0.394				
50.000	0.530	0.462	50		
	(mm)	(mm)	(mm)	(mm)	Volume (mm ³)
0.000	0.394				
50.000	0.530	0.462	50		23.100
100.000	0.556	0.543	50		24.150
150.000	0.382	0.469	50		23.450
200.000	0.565	0.474	50		23.675
250.000	0.451	0.508	50		25.400
300.000	0.827	0.639	50		31.950
350.000	0.961	0.894	50		44.700
400.000	1.048	1.005	50		50.295
450.000	1.105	1.077	50		53.825
500.000	1.095	1.100	50		55.000
550.000	1.138	1.117	50		55.825
600.000	0.699	0.919	50		45.925
650.000	0.815	0.757	50		37.850
700.000	0.514	0.665	50		33.225
750.000	0.961	0.738	50		36.875
800.000	0.630	0.796	50		39.775
850.000	0.773	0.702	50		35.075
900.000	0.922	0.848	50		42.375
950.000	0.832	0.877	50		43.850
1000.000	0.784	0.908	50		40.400
1050.000	0.633	0.709	50		35.425

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	1100.00	0.2826	0.511	50	25.325
	1150.00	0.540	0.419	50	23.950
	1200.00	0.555	0.503	50	22.125
	1250.00	0.551	0.555	50	21.300
	1300.00	0.573	0.563	50	28.375
	1320.00	0.480	0.529	20	10.530
					949.430 m ³
⑥	Construction of embankment soil obtained from borrow pit lead up to 100m				
	all comp Job				
	QVTMBP - ⑥				949.43 m ³
	949.43 m ³ x	11.38	100	2	108.04 m ³
⑦	Construction of embankment soil obtained from borrow pit lead up to 100m				
	all comp Job				
	QVTMBP 6				949.43 m ³
	949.43 m ³ x	88.62	100		841.39 m ³
	Through 28-07-24 P.E. P.R. 28/2/24 P.R. 28/2/24				
	Record measurement				
⑧	Construction of sub grade earthen				

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Shoulder width 30 ft					
obtained from borrow					
Pit level up to 1000m					
all comp job.					
3x30m x	$\frac{8.40m + 7.20m}{2}$			x 0.300m	210.60 m ³
1x30m x	$\frac{8.40m + 7.20m}{2}$			x 0.300m	70.20 "
1x10m x	$\frac{8.40m + 7.20m}{2}$			x 0.300m	23.40 "
					304.20 m ³
<i>Shriant</i> 06/03/24 <i>PPD</i> 06-03-24 J.E. P. K. Haz					
Record measurement					
Plv G.S.B. with stone					
metal					

all comp job.					
in profile correction					
3x100m x	1.5m x	0.100m			1.13 m ³
17x1.20m x	1.50m x	0.100m			3.06 "
14x0.90m x	1.20m x	0.100m			1.51 "
19x0.50m x	1.40m x	0.100m			1.33 "
in widening of R.T. Part					
2x5x30m x	0.525m x	0.100m			15.45 "
2x1x20m x	0.525m x	0.100m			2.10 "
2x8x30m x	0.525m x	0.100m			25.20 "
2x4x30m x	0.525m x	0.100m			12.60 "
2x2x30m x	0.525m x	0.100m			6.30 "
in widening of R.C.C. Part					
2x2x30m x	0.375m x	0.100m			4.50 "
2x9x30m x	0.375m x	0.100m			4.50 "
2x1x10m x	0.375m x	0.100m			0.75 "
2x3x30m x	0.375m x	0.100m			6.75 "

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
2x 2x30m x 0.375m x 0.100m					1.50 m ³
2x 2x30m x 0.375m x 0.100m					1.50 m ³
2x 1x10m x 0.375m x 0.100m					0.75 m ³
					35.23 m ³
<i>Swidani</i> 15/2/24 15-03-24 J.E. Parthar					
Record measurement					
② Riv Guss B with stone					
metal					
soil comp Job					
Earthen Part For BT					
2x30m x 4.05m x 0.200m					48.60 m ³
2x30m x 4.05m x 0.200m					48.60 "
1x10m x 4.05m x 0.200m					8.10 "
over laying For BT					
2x30m x 4.05m x 0.100m					24.30 "
2x30m x 4.05m x 0.100m					24.30 "
1x30m x 4.05m x 0.100m					12.15 "
1x20m x 4.05m x 0.100m					8.10 "
5x30m x 4.05m x 0.100m					60.75 "
5x30m x 4.05m x 0.100m					60.75 "
2x30m x 4.05m x 0.100m					24.30 "
2x30m x 4.05m x 0.100m					24.30 "
Earthen Part For Rec.					
2x30m x 3.75m x 0.100m					22.50 "
1x30m x 3.75m x 0.100m					11.25 "
1x10m x 3.75m x 0.100m					3.75 "
					381.75 m ³
<i>Swidani</i> 15/2/24 15-03-24 J.E. Parthar					

Continuation J.E.

Parthar

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Particulars	Details of actual measure			Contents of area
	No.	L.	B.	
Record measurement				
10 P.V. 30m Grade 4-3				
add Comp Job				
5x30m x 3.75m x 0.075m				42.19 m ³
5x30m x 3.75m x 0.075m				42.19 "
5x30m x 3.75m x 0.075m				42.19 "
5x30m x 3.75m x 0.075m				42.19 "
5x30m x 3.75m x 0.075m				42.19 "
5x30m x 3.75m x 0.075m				42.19 "
1x30m x 3.75m x 0.075m				8.44 "
1x20m x 3.75m x 0.075m				5.63 "
5x30m x 3.75m x 0.075m				42.19 "
1x30m x 3.75m x 0.075m				8.44 "

1x30m x 3.75m x 0.075m	~	8.44 "
1x10m x 3.75m x 0.075m	~	2.81 "
Length = 117.0m		329.09 m ³

10-02-24	J.E.
14/4/24	P. V. H.

Record measurement	
14 P.V. 30m grade m 30	
in pavement	

add Comp Job	
5x30m x 3.75m x 0.160m	90.00 m ³
2x30m x 3.75m x 0.160m	36.00 "
1x20m x 3.75m x 0.160m	12.00 "
5x30m x 3.75m x 0.160m	90.00 "

Continuation

C.D. = 228.00 m³

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B.F = 228.00 m³

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
1x30M x 3.75M x 0.160M					18.00 m ³
1x30M x 3.75M x 0.160M					18.00"
1x10M x 3.75M x 0.160M					6.00"
Length 450m					240.00 m ³

PH

05-05-24

D.E.

Paribhar

Surianth
05/05/24

AG. Paribhar

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
Name of work: Const. of					
Road from muslim					
Tola Malahi to Dhabhi					
Tola Manipur under					
Mungay (Gurkash) NDB					
B.R.P. - 172					
Name of Agency - Sri Manoj Kumar					
1201					
Agg. No - SBT 530 2023-24					
Date of Commencement 15-01-24					
Date of Completion - 14-01-25					
① P/V Working bench mark					
and reference Peg one					
All Comp Job					
1.320 km @ VTM B.P. ① of $\frac{2}{1}$					
① Rs 44295.12/km Rs 58470.00					
② P/V clearing and grubbing					
road land					
All Comp Job					
0.462 Hect @ VTM B.P. ② of $\frac{3}{2}$					
② Rs 75573.34/Hect Rs 34915.00					
③ Excavation in soil in					
road land					
All Comp Job					
88.20 m ³ @ VTM B.P. ④ of $\frac{1}{3}$					
④ Rs 186.85/m ³ Rs 16480.00					
④ Construction of embank					

Continuation G.O. Rs. 109865.00

Particulars	Details of actual measure				Contents of area
	No.	1	2	3	
menb. soil obtained					
from local crushing					
add. comp. job.					
52.32 m ³ @ V.M.B.P. (4) st. 1					
@ Rs 61.52 / m ³					Rs 3256.00
(5) 5 free motion for road					
work in soil					
add. comp. job.					
88.20 m ³ @ V.M.B.P. (4) st. 2					
@ Rs 103.96 / m ³					Rs 9169.00
(6) 6 Construction of embankment					
menb. soil obtained					
from borrow pit					

Lead up to 1000 m					
add. comp. job.					
108.04 m ³ @ V.M.B.P. (6) st. 1					
@ Rs 218.96 / m ³					Rs 23656.00
(7) 7 Construction of embankment					
menb. soil obtained					
from borrow pit					
Lead up to 100 m					
add. comp. job.					
841.39 m ³ @ V.M.B.P. (6) st. 2					
@ Rs 140.15 / m ³					Rs 117921.00
(8) 8 Const. of subgrade					
earthen shoulder with					
soil obtained from					

Continuation

C.O. Rs. 263867.00

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
borrow pit head					
VP No. 1000 M					
all comp job					
30A.20m ³ @VTMB P(7) sl 1/3					
@ Rs 222.50/m ³					Rs 67084.00
(9) 9 P/V C.S.B. with stone					
M-100 -					
all comp job					
35.23m ³ @VTMB P(8) sl 1/3					
381.75" " " (8) sl 1/3					
476.98m ³					
@ Rs 444.90/m ³					211863.00
(10) 10 P/V C.B.M. Gravel, 3					
all comp job					
229.09 m ³ @VTMB P(9) sl 1/10					
@ Rs 8837.10/m ³					Rs 1937386.00
(11) 14 P/V P.C.C. grade M30					
in pavement					
all comp job					
240.00 m ³ @VTMB P(10) sl 1/14					
@ Rs 10012.28/m ³					Rs 2403316.00
(12) 2A P/V M.M.G.S.Y. in forma-					
-tory sign board					
all comp job					
2 Nos @VTMB P(1) sl 1/24					
@ Rs 11863.54 each					Rs 23727.00
(13) 25 Excavation for structure					
all comp job					
29.80m ³ @VTMB P(2) sl 1/25					

Continuation C.D. Rs 7114674.00

Particulars	Details of actual measure				Contents of area
	No	L.	B.	D.	
① RS 27.03/m ³					RS 12727.00
94 26 P/V P.C. C. M-15					
Add Comp Job					
2.71 m ³ WIM BP (2)				26	
1.89 " " (3)				26	
4.60 m ³					
② RS 8372.19/m ³					RS 38513.00
95 27 P/V P.C. C. M-20 in 8.8.					
Add Comp Job					
14.46 m ³ WIM BP (3)				27	
15.02 " " (3)				27	
32.46 m ³					
③ RS 9639.17/m ³					RS 315789.00
96 28 P/V P.C. C. Lume					
D/S (1 x 1000 MMA)					
Add Comp Job					
7.50 m ³ WIM BP (3)				28	
④ RS 7304.19/m					RS 54781.00
					RS 7536484.00
Add C.S. 12.18 % (4)					RS 1356568.00
Add Labour @ 1% (4)					RS 75365.00
S.F. @ 10% of					
RS 1242275.00				(4) RS	124228.00
Payable -					RS 9092648.00
PH 05-05-24					
J.E. Parihar					
S. S. S.					
05/05/24					
AT Parihar					
C&P					
06/05/24					

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Material s.d. cement					
Earth					
1253.63 m ³ @ RS 35.25/m ³					44190.00
stone size					
10mm, 6.61 m ³ @ RS 595.06/m ³					3933.00
20mm, 13.54 m ³ @ RS 1204.66/m ³					16388.00
40mm, 14.68 m ³ @ RS 992.23/m ³					14566.00
53 to 9.50mm, 286.19 m ³ @ RS 931.65/m ³					266629.00
9.50 to 2.36mm, 114.44 m ³ @ RS 429.84/m ³					49204.00
53-22.40mm, 398.20 m ³ @ RS 1099.94/m ³					437996.00
TYPE B-11.20mm, 48.98 m ³ @ RS 699.84/m ³					33951.00
crushed stone - 428,					
243.00 m ³ @ RS 901.36/m ³					219030.00
Coarse sand					
311.09 m ³ @ RS 502.40/m ³					156385.00
cement 104.22 MT					
					RS 1242275.00

S.F. @ 10% of RS 1242275.00 = 124228.00

410
05-05-24

F.E.
Parthasar

Shreekanth
05/05/24