

Schedule XLV-Form No. 134

N/W: SHIVNABAR TO JHARKHAYA,

Length 4050m

Agreement NO. 03 MND-23-24

DIVISION

Date of start: 16/10/23

Date of completion: 15/7/24

SUB-DIVISION

Rate of Agreement: 10% below

MEASUREMENT BOOK

M.B. NO. → 3144

प्रमाणित किया जाता है कि ऊक्त मापी
पुस्तक में गृह संकित = 100 = 00 गृह है। जो
सर्वेक्षण वेजापी से 0 मापनित किया
जाता है।

21/3/24

Executive Engineer
F. W. O. Works Division
Ajay Hajipur
21-3-24

इस मापी पुस्तक से फीचर और माप
कार्य और मापन वेजापी, कामना
1, 2 से निर्गत की जाती है।

Ajay Hajipur
21/3/24
कार्य और मापन
वेजापी

Sch. XLV-Form No. 134

DIVISION

SUB-DIVISION

Measurement Book

No. 3144

Name of officer _____

Date of first entry _____

Date of last entry _____

1st OWA bill

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.	
N/101. Contd of road Shivnagar to Jharkhija Shyamgaur Ghat.					
Agency: Abhay Construct, Lonere					
Agreement No: 02 / MMD / 2023-24					
Date of completion 16/10/23					
Date of commencement 15/7/23					
Work done					
① clearing and grubbing road land					
— do — all comp					

2x 10x30m x 1.0 =	600 sqm
2x 5x30m x 1.0 =	300 sqm
2x 30x30m x 1.0 =	1800 sqm
2x 10x20 x 1.0 =	600 sqm
2x 15x30 x 1.0 =	900 sqm
2x 5x30 x 1.0 =	300 sqm
2x 10x30 x 1.0 =	600 sqm
2x 20x30 x 1.0 =	1200 sqm
2x 05x30 x 1.0 =	300 sqm
2x 5x30 x 1.0 =	300 sqm
2x 10x30 x 1.0 =	600 sqm
2x 20x30 x 1.0 =	600 sqm
24 =	8100 sqm
hect = 0.81	hect

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
② Cont of sub grade and earthen shoulder — do — all compen					
				$2 \times 10 \times 30 \times 0.8 + 75 \times 0.3 = 192.0$	m^3
				$2 \times 5 \times 30 \times 0.8 + 75 \times 0.3 = 157.5$	m^3
				$2 \times 30 \times 30 \times 0.8 \times 0.3 = 432.0$	m^3
				$2 \times 10 \times 30 \times 0.8 + 75 \times 0.3 = 192.0$	m^3
				$2 \times 15 \times 30 \times 0.75 \times 2.5 = 168.75$	m^3
				$2 \times 5 \times 30 \times 0.8 + 75 \times 0.3 = 157.5$	m^3
				$2 \times 10 \times 30 \times 0.8 \times 0.3 = 144.0$	m^3
				$2 \times 20 \times 30 \times 0.8 \times 0.3 = 288.0$	m^3
				$2 \times 5 \times 30 \times 0.8 + 75 \times 0.3 = 157.5$	m^3
				$2 \times 5 \times 30 \times 0.8 \times 0.3 = 72.0$	m^3
				$2 \times 5 \times 30 \times 0.8 + 75 \times 0.3 = 157.5$	m^3
				$2 \times 05 \times 30 \times 0.8 \times 0.25 = 60.0$	m^3
				$2 \times 10 \times 30 \times 0.8 \times 0.3 = 144.0$	m^3
				241	$1825.67 m^3$

Continuation

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	9	1.47	1.5	10	1.98 ms
	7	1.68	1.48	10	1.74 ms
	8	1.94	1.72	10	2.98 ms
	9	1.84	1.72	10	2.85 ms = 1.74 ms
	10	1.76	1.45	10	2.55 ms = 2.98 ms
	12	1.59	1.45	10	2.77 ms
	8	1.36	1.25	10	1.36 ms
	3	1.47	1.17	10	0.52 ms
	7	1.58	1.25	10	1.38 ms
	9	1.36	1.45	10	1.77 ms
	2	1.59	1.41	10	1.79 ms
	5	1.65	1.5	10	1.24 ms

	4	1.45	1.26	10	0.73 ms
	10	1.12	1.05	10	1.18 ms
	5	1.25	1.14	10	0.71 ms
	8	1.36	1.28	10	1.39 ms
	9	1.48	1.35	10	1.80 ms
	8	1.69	1.45	10	1.96 ms
	7	1.58	1.48	10	1.64 ms
	5	1.47	1.38	10	1.01 ms
	8	1.36	1.26	10	1.37 ms
	9	1.25	1.14	10	1.28 ms
					216.76.48 ms

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
④ Providing, laying & spreading					
WBM Gr-B — do — all compen					
	3x2	2x	1.65x	0.075	0.82 m ³
	5x	1.65x	1.1x	0.075	0.68 m ³
	7x	1.6x	1.12x	0.075	0.94 m ³
	3x	1.21x	0.59x	0.075	0.16 m ³
	5x	1.65x	1.28x	0.075	0.79 m ³
	7x	2.77x	2.31x	0.075	3.56 m ³
	9x	2.64x	1.6x	0.075	2.85 m ³
	7x	2.04x	1.91x	0.075	2.05 m ³
	10x	1.76x	1.69x	0.075	2.28 m ³
	0.5x	1.98x	1.82x	0.075	1.35 m ³
	10x	1.69x	1.6x	0.075	2.03 m ³
	12x	1.85x	1.67x	0.075	2.78 m ³
	8x	1.75x	1.63x	0.075	1.69 m ³
	9x	2.15x	2.18x	0.075	3.16 m ³
	7x	1.62x	1.52x	0.075	1.29 m ³
	8x	1.85x	1.65x	0.075	1.81 m ³
	5x	2.15x	2.18x	0.075	1.76 m ³
	10x	1.74x	1.1x	0.075	1.44 m ³
	4x	1.82x	1.52x	0.075	0.82 m ³
	5x	1.64x	1.1x	0.075	0.68 m ³
	8x	1.85x	1.05x	0.075	0.87 m ³
	9x	1.52x	1.36x	0.075	1.40 m ³
	10x	1.63x	1.47x	0.075	1.82 m ³
	9x	1.62x	1.65x	0.075	1.80 m ³

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	7	1.85	1.62	0.075	1.58 ms
	8	2.12	2.11	0.075	2.70 ms
	9	2.02	1.89	0.075	2.58 ms
	10	1.94	1.6	0.075	2.33 ms
	12	1.75	1.6	0.075	2.52 ms
	8	1.5	1.38	0.075	1.24 ms
	3	1.62	1.29	0.075	2.04 ms
	7	1.74	1.38	0.075	1.26 ms
	9	1.50	1.6	0.075	1.62 ms
	8	1.75	1.55	0.075	1.63 ms
	5	1.82	1.65	0.075	1.13 ms
	4	1.6	1.39	0.075	0.67 ms
	10	1.25	1.16	0.075	1.09 ms
	5	1.38	1.25	0.075	0.65 ms
	8	1.5	1.41	0.075	2.12 ms
	9	1.63	1.49	0.075	1.64 ms
	8	1.86	1.6	0.075	1.77 ms
	7	1.74	1.63	0.075	1.49 ms
	5	1.62	1.52	0.075	2.09 ms
	8	1.5	1.39	0.075	1.25 ms
	9	1.38	1.25	0.075	1.16 ms
	7	1.38	1.22	0.075	0.92 ms
	8	1.6	1.36	0.075	1.15 ms
	10	1.82	1.6	0.075	2.18 ms
	4	2.02	1.82	0.075	1.10 ms
	10	1.63	1.49	0.075	1.82 ms

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	5 X	1.85	1.63	0.075	1.13 ms
	7 X	1.63	1.39	0.075	1.17 ms
	8 X	2.17	2.21	0.075	3.58 ms
	10 X	2.73	2.29	0.075	4.69 ms
	9 X	2.24	2.02	0.075	3.08 ms
	8 X	2.27	2.02	0.075	2.75 ms
	10 X	2.55	1.82	0.075	3.25 ms
	7 X	1.82	1.63	0.075	1.56 ms
				Qty	98.04 ms

⑤ Providing, laying, & spreading WBM for all					
do do					
	8 X	2 X	3.75	0.075	1.69 ms
	5 X	1.8 X	1.2 X	0.075	0.81 ms
	7 X	1.74 X	1.22 X	0.075	1.11 ms
	3 X	1.32 X	0.65 X	0.075	0.19 ms
	5 X	1.8 X	1.29 X	0.075	0.94 ms
	7 X	3.02 X	2.52 X	0.075	4.60 ms
	9 X	2.88 X	1.74 X	0.075	3.58 ms
	7 X	2.22 X	2.09 X	0.075	2.44 ms
	10 X	1.92 X	1.85 X	0.075	2.66 ms
	5 X	2.16 X	1.98 X	0.075	1.60 ms
	10 X	1.85 X	1.74 X	0.075	2.41 ms
	5 X	2.16 X	1.98 X	0.075	3.31 ms

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	8x	1.88x	1.78x	0.075	2.01 ms
	9x	2.34x	2.38x	0.075	3.76 ms
	7x	1.76x	1.66x	0.075	1.55 ms
	8x	2.02x	1.78x	0.075	2.16 ms
	5x	2.34x	2.38x	0.075	2.09 ms
	10x	1.9x	1.20x	0.075	1.71 ms
	4x	1.98x	1.64x	0.075	0.97 ms
	5x	1.79x	1.20x	0.075	0.81 ms
	8x	1.50x	1.14x	0.075	1.03 ms
	9x	1.66x	1.47x	0.075	1.69 ms
	10x	1.78x	1.62x	0.075	2.16 ms
	9x	1.76x	1.8x	0.075	2.14 ms
	7x	2.02x	1.78x	0.075	1.89 ms
	8x	2.30x	2.3x	0.075	3.22 ms
	9x	2.21x	2.00x	0.075	3.07 ms
	10x	2.11x	1.74x	0.075	2.73 ms
	12x	1.91x	1.74x	0.075	2.99 ms
	8x	1.63x	1.5x	0.075	1.47 ms
	9x	1.76x	1.4x	0.075	0.55 ms
	7x	1.9x	1.5x	0.075	1.50 ms
	9x	1.63x	1.74x	0.075	1.95 ms
	8x	1.91x	1.69x	0.075	1.94 ms
	5x	1.98x	1.8x	0.075	1.34 ms
	4x	1.74x	1.51x	0.075	0.79 ms
	10x	1.34x	1.20x	0.075	1.27 ms
	5x	1.5x	1.37x	0.075	0.77 ms

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	8x	1.63x	1.54x	0.075	1.51ms
	9x	1.78x	1.69x	0.075	1.95ms
	8x	2.03x	1.74x	0.075	2.42ms
	7x	1.9x	1.78x	0.075	1.78ms
	5x	1.76x	1.66x	0.075	1.10ms
	8x	1.65x	1.51x	0.075	1.48ms
	9x	1.55x	1.57x	0.075	1.39ms
	7x	1.5x	1.58x	0.075	1.07ms
	8x	1.74x	1.49x	0.075	1.56ms
	10x	1.98x	1.74x	0.075	2.58ms
	4x	2.21x	1.98x	0.075	1.31ms
	10x	1.78x	1.62x	0.075	2.16ms
	5x	2.02x	1.78x	0.075	1.35ms
	7x	1.78x	1.51x	0.075	1.41ms
	8x	2.94x	2.41x	0.075	4.25ms
	10x	2.98x	2.5x	0.075	5.59ms
	9x	2.45x	2.21x	0.075	3.65ms
	5x	2.47x	2.21x	0.075	3.28ms
	10x	2.57x	1.98x	0.075	3.82ms
	7x	1.98x	1.78x	0.075	1.85ms
	8x	1.78x	1.62x	0.075	1.72ms
	3x	2.45x	2.54x	0.075	1.29ms
	10x	3.1x	3x	0.075	6.98ms
	8x	2.82x	2.57x	0.075	4.13ms
	10x	2.02x	1.85x	0.075	2.58ms
	9x	1.78x	1.62x	0.075	1.95ms

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	12	2.34	1.78	0.075	2.75 m
	8	1.98	1.85	0.075	2.20 m
	10	1.82	1.70	0.075	2.32 m
	12	2.32	2.21	0.075	4.61 m
	10	2.34	2.34	0.075	4.88 m
	10	0.78	1.92	0.075	2.99 m
	7	2.58	2.21	0.075	2.77 m
	8	2.34	1.88	0.075	2.64 m
	10	0.78	1.92	0.075	2.77 m
	7	1.9	1.5	0.075	1.58 m
	9	1.79	1.82	0.075	2.12 m
	8	1.62	1.98	0.075	1.92 m

12	1.02	1.62	0.075	2.22 m
				Sub: 167.83 m

⑥ Providing and applying Primer coat
 (SS) — do — all complete

area same as G+1

$$ce = \frac{139.65}{0.075} = 1862.059 m^2$$

⑦ Providing, laying and polishing M.S.
 20mm — do — all complete

$$\text{same as Prime coat} = 1862.059 m^2$$

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
⑧ Providing and applying tack coat					
					— do — all complete
	1x	10x30x3	75=		1125.00 m ²
	1x	5x30x2	75=		562.50 m ²
	1x	10x30x3	75=		1125.00 m ²
	1x	20x30x3	75=		2250.00 m ²
	1x	15x30x3	75=		1687.50 m ²
	1x	18x30x3	75=		2025.00 m ²
	1x	10x30x3	75=		1125.00 m ²
	1x	2x30x3	75=		225.00 m ²
	1x	20x30x3	75=		2250.00 m ²
	1x	7x30x3	75=		787.50 m ²
	1x	10x3	75=		37.50 m ²
					13200 = 0 m ²
					Add 1% for extra = (+) 13200
Tack coat on					
					Tack coat used m ² = (+) 1862.057
					Nett 15194.05 m ²
⑨ Providing and laying SDBC					
					— do — all complete
	1x	10x30x3	75x0.025=		28.125 m ³
	5x	30x3	75x0.025=		14.0625 m ³
	10x	30x3	75x0.025=		28.125 m ³
	20x	30x3	75x0.025=		56.25 m ³
	15x	30x3	75x0.025=		42.1875 m ³
	18x	30x3	75x0.025=		50.625 m ³

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	10	30	3.75	0.025	28.125 $= 142.50 m^2$
	2	30	3.75	0.025	$= 5.625 m^2$
	20	30	3.75	0.025	$= 22.50 m^2$
	7	30	3.75	0.025	$= 19.6875 m^2$
	10	3.75	0.025		$= 0.9375 m^2$
				Total	$329.718 m^2$
				add extra 1% on width	$= 3.29 m^2$
					$333.28 m^2$
(16) Const of un-reinforced concrete					
				msd	do - all in
	1	5	30	3.75	$\times 16 = 90 m^2$
	1	5	30	3.75	$\times 16 = 90 m^2$

	1	2	30	3.75	$\times 16 = 36 \text{ ms}$
	1	1	30	3.75	$\times 16 = 18 \text{ ms}$
	1	2	30	3.75	$\times 16 = 36 \text{ ms}$
	1	2	30	3.75	$\times 16 = 36 \text{ ms}$
	1	20	3.75		$\times 16 = 12.00 \text{ ms}$
				Total:	138.00 ms
				add 1% on width =	1.38 ms
					139.38 ms

(17) Provide and fix 100 mm					
				stone	do - all in
	1	km ²	1	5	$= 0.5 m^2$
	1	200 m	1	16	$= 16 m^2$

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(12) Providing and fixing reinforcement in formwork base — do — do					
(i) 600mm square = 16 nos					
(ii) 600mm x 450mm rect = 1 x 6206 nos					
(iii) 600mm circular = 1 x 2002 nos					
(13) Providing boundary pillars					
— do — all complete					
1 x 30 x 30 cm					
1 x 25 x 25					
55 nos					
(14) Providing and laying hot applied membrane					
— do — all					
on B.T. Pothole					
2 x 30 x 30 x 10 = 180.00 m ²					
2 x 10 x 30 x 10 = 60.00 m ²					
2 x 5 x 30 x 10 = 30.00 m ²					
2 x 10 x 30 x 10 = 60.00 m ²					
2 x 20 x 30 x 10 = 120.00 m ²					
2 x 25 x 30 x 10 = 150.00 m ²					
2 x 17 x 30 x 10 = 102.00 m ²					
2 x 10 x 10 = 20 m ²					
for Pedestrian crossing					
2 x 400.5 x 2 = 8 sqm					

Continuation

Continuation

Abstract of cost

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
① clearing and grubbing road land					
1					do - all compute
0.810 hect Qty Page (1) 2th (1)					
@ 62032.48/hect					Rs. 50246.20
② Const of subgrade and earthen shoulder					
2					do - all count
1828.67 ms Qty Page (2) 2th (2)					
@ 254.61/ms					Rs. 46559.80
③ Const of Curb Layer					
3					do - all up
76.478 ms Qty Page (4) 2th (3)					
@ 255.55/ms					Rs. 19514.00
④ Providing, laying, spreading and compacting WBM - G-15					
4					do - all
98.04 ms Qty Page (7) 2th (4)					
@ 5379.57/ms					Rs. 527299.20
⑤ Providing, laying, spreading and compacting WBM - G-15					
5/5					do - all
139.154 ms Qty Page (10) 2th (5)					
@ 5102.80/ms					Rs. 712626.20

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(6/6) Provide and apply Primer coat (Ss) with surface — do — all over					
1862.057 m ² Qty Page (10) Ltr (6)					
@ 61285/m ² — Rs. 11516820					
(7/7) Provide and apply Jack coat (Ry)					
— do — all over					
1594.85 m ² Qty Page (11) Ltr (8)					
@ 21115/m ² — Rs. 32125400					
(8/8) Provide laying & rolling closed pro					
— do — all over					
1862.057 m ² Qty Page (10) Ltr (7)					
@ 27357/m ² — Rs. 50940320					
(9/9) Provide and laying SDBC					
— do — all over					
333.28 m ² Qty Page (12) Ltr (9)					
@ 14595.02/m ² — Rs. 486452320					
(10/10) Const of unreinforced concrete pavement					
m ³ — do — all over					
321.18 m ³ Qty Page (12) Ltr (10)					
@ 8803291/m ³ — Rs. 282764020					

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(11/11) Providing and erecting m/c Km stone — do — cellar					
5 NOS Qty Page (12) Ltr (11) (11)					
@ 2978.47/cum — Rs. 14892.20					
(12/12) Providing and erecting 200 m stone — do — all in					
16 NOS Qty Page (12) Ltr (12) (11)					
@ 4247.91/cum — Rs. 13595.20 848.47/cum					
(13/13) Providing and fixing rectorefluh — do — all in					
16 NOS Qty Page (13) Ltr (12) (11)					
@ 4247.91/cum — Rs. 67967.20					
(14/14) Providing and fixing rectorefluh — do — all in					
06 NOS Qty Page (13) Ltr (12) (11)					
@ 5223.04/cum — Rs. 32298.20					
(15/15) Providing and fixing rectorefluh — do — all in					
02 NOS Qty Page (13) Ltr (12) (11)					
@ 5512.49/cum — Rs. 11025.20					

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(16/16) Provide and fix m/s grade boundary pillar — do — allus					
SS. 10 N 25 Qty Page (13) Ltr (13)					
@ 658.66/ew				4. 3512620	
(17/18) Provide and laying not applied thermoplastic — do — allus					
704.10 Sgn Qty Page (13) Ltr (14)					
@ 823.80/8m				1. 57995520	
(17/17) Provide and laying not applied thermoplastic — do — allus					
8.10 Sgn Qty Page (13) Ltr (14)					
@ 823.80/8m				1. 6590200	
(18/20) Provide and laying not applied thermoplastic — do — allus					
on the path 106.10 Sgn Qty Page (14) Ltr (15)					
@ 917.77/8m				1. 9728300	
(19/21) Provide and fix 4/100 mm by — do — allus					
05 N 25 Qty Page (14) Ltr (15)					
@ 13818.61/ew				6. 4245600	
Postul. 1148316400					
add add 12. 137798000					
add Lws 1/2. 114832000					

Continuation

1297597600

Allu
5/11/24
JGAsind
05/06/24
AC

Continuation

material statements

20

20
Sch.XLV-Form No. 134

[illegible]

Continuation

44920—

108410-2529-

It No 79 dt 1-12-06-24

R= 15624 1,52,50,000=00

21

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
1. Station	ATC	bill	R=	1,17,75,941=00	
S.D.	51			5,88,797=00	
T.T.	12			1,17,759=00	
L.C.	14			1,17,759=00	
C.B.T.S.T.	14			1,17,759=00	
S.V.T.S.T.	14			1,17,759=00	
Royalty				860 31=00	
S.F.				8711 6=00	
by cheque				105 42,901=00	
total				1,17,759 41=00	
paid for				1,17,759 41=00	
cash				1,17,759 41=00	

FIVE thousand Nine Hundred Twenty one only

[Signature]
21/7/24

Executive Engineer
R.W.D. Works Division
Halpur

[Signature]
21/7/2024

[Signature]
02-07-24

Ref: 20240703053821

Continuation