

प्रमाणित किया जाता है कि माप
कुल में मशीन रेकीन 100 यव है जिसे
सहायक अभियन्ता शामिल कार्य
विभागी कार्य द्वारा प्रमंडल फेनरा के
प्रमाण ले निर्माण किया गया है


Executive Engineer
Karnal Division
1.1.17

Sch. XLV - Form No. 134

R.W.D. PAKRIDAVAL DIVISION

R.W.D. FENMARA SUB-DIVISION

Measurement Book

No.

1433

Name _____

Date of first entry _____

Date of last entry _____

Record Entry

Name of Work- 1

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 measurement relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Work—	Const.	of Road & CD			
	work from Ramayodhya				
	Mahla	House to Shashar			
	Siwan.				
Agency—	M/S D & O Brothers	Const.			
	At—	Baza Gwind			
	P.O—	Baza Chakia			
	P.S—	Chakia			
	East Champaran				
Agreement	No—	24 SBD/2023-24			
Date of start—	30.12.2023				
Date of completion—	29.12.2024				
Date of Meas—	10.04.24				
$\frac{1}{31}$	E/W in excavation				
	in fracture - cut up fl.				
Abutment =	2	9.30	3.20	1.80	= 107.13 m ³
R. wall =	4	1.267	2.921	1.80	= 26.64 m ³
Floory =	1	9.20	0.60	0.25	= 1.38 m ³
	1	9.20	2.10	0.25	= 4.83 m ³
					<u>139.98 m³</u>
$\frac{2}{32}$	Bridging sand filling.				
	in cut up fl.				
	1	8.90	4.625	1.00	= 4.12 m ³

Continuation

Record Entry

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>1</u> <u>31</u>	E/W. in excavation				
	foln. - see Lp. pB.				
	2 X	7.60	2.13	1.60	$= 51.80 m^2$
	4 X	1.767	1.93	1.60	$= 21.82$
	1 X	6.20	0.40	0.25	$= 0.62$
					<u>74.24 m²</u>
<u>2</u> <u>32</u>	Partly sand filling				
	- see Lp. pB.				
	1 X	6.20	1.62	0.10	$= 1.00 m^2$
<u>3</u> <u>33</u>	Partly Prec. M ₁₀				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	7.60	2.13	0.20	$= 6.47 m^2$
	4 X	1.767	1.93	0.20	$= 2.72$
	1 X	6.20	1.73	0.15	$= 1.60$
					<u>10.79 m²</u>
<u>4</u> <u>34</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>5</u> <u>35</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>6</u> <u>36</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>7</u> <u>37</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>8</u> <u>38</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>9</u> <u>39</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>10</u> <u>40</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>11</u> <u>41</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>12</u> <u>42</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>13</u> <u>43</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>14</u> <u>44</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>15</u> <u>45</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>16</u> <u>46</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>17</u> <u>47</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>18</u> <u>48</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>19</u> <u>49</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>
<u>20</u> <u>50</u>	Partly Prec. M ₁₅				
	(1:2.5:5) cft. - see Lp. pB.				
	2 X	6.80	1.63	1.40	$= 31.03 m^2$
	4 X	1.767	1.43	1.40	$= 14.15$
					<u>45.18 m²</u>

Continuation

Record Entry

Record Entry

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>1</u> <u>35</u> Paving plain Portland					
cent concrete in					
sub-structure - cur					
L.P. pb.					
2 x 7.5 x 0.7					
2 x 7.5 x 2.10 + 0.7 x 2.8 =					
			2		$= 58.80 m^2$
4 x 1.734 x 1.11 x 3.28 = 25.25					
2 x 6.00 x 1.13 + 0.7 x 1.30 = 14.29					
			2		
4 x 1.98 x 0.66 x 1.59 = 8.37					
					$106.71 m^2$
<u>2</u> <u>36</u> Paving Rec. M ₂₀					
(1:2:4) A sub-					
structure - cur up fl.					
2 x 6.00 x 0.70 x 0.20 = 1.68 m ²					
2 x 6.00 x 0.40 x 0.24 = 1.15					
2 x 6.00 x 0.20 x 0.24 = 0.58					$2.83 m^2$
					(A)
2 x 7.50 x 0.70 x 0.20 = 2.10 m ²					
2 x 7.50 x 0.30 x 0.40 = 1.80					
					$4.03 m^2$
					(B)
Total = (A+B) = (2.83+4.03)					
					$= 6.86 m^2$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{3}{38}$	S/A/F	bars.			
	- and cp. job.				
8mm =					
	2x	40	2.66	=	212.8mm
		0.40	kg/m	=	85.12kg
12mm =					
	2x	12	7.50	=	180.0mm
		0.89	kg/m	=	160.20kg
8mm =	2x	40	2.28	=	182.40mm
		0.40	kg/m	=	72.96kg
12mm =	2x	12	7.50	=	180.0mm
		0.89	kg/m	=	160.20kg
Total bars =					
	(85.12 + 160.20 + 72.96 + 160.20) kg				
	= 478.48 kg = 0.4784				N.T
$\frac{4}{40}$	Primary concrete -				
	Holes - and cp. job				
	2x	15.4		=	30.8 Nos.
	4	3.6		=	12.2 Nos.
	12	4		=	8.0 Nos.
	4	4		=	16.0 Nos.
					66.0 Nos.
20/05/24					
J.E. Pharkore					

1st on A/c Bill

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Work - Const of road & CD					
Link from Ramajodhya					
Makto House to Shukhar					
Silvan.					
Agency - M/S Deo Brothers Const.					
At - Bara Govind					
P.O - Bara Chokia					
P.S - Chalkia					
East Champaran.					
Agreement No - 24 SBD/2023-24					
Date of start - 30.12.2023					
Date of completion - 29.12.24					
Date of Measurement - 25/06/2024					
$\frac{1}{38}$ C/P/H H/S/D					
bars - and up fl					
(Dark slab)					
5m x 3m.					
16mm = $74 \times 6.10 = 451.40m$					
$21.5815m$					$= 713.211g$
12mm = $55 \times 7.00 = 385.00m$					
$20.8959m$					$= 342.651g$
10mm = $50 \times 6.10 = 305.00m$					
$30 \times 7.00 = 210.00m$					
$515.00m$					
$20.6016m$					$= 309.001g$
12mm = $20 \times 2.50 = 50.00m$					
$20.8919m$					$= 44.501g$
Total = 1409.361g					

Continuation

(A)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2m x 15m					
12mm @ 60		13.10			= 186.6m ²
					@ 0.89 kg/m ² = 165.54 kg
10mm @ 30		6.00			= 180.00m ²
					@ 0.40 kg/m ² = 72.00 kg
12mm @ 20		2.00			= 40.00m ²
					@ 0.89 kg/m ² = 35.60 kg
					Total = 273.14 kg
					(B)
Total steel = (A+B)					
					= (1409.36 + 273.14) kg
					= 1682.50 kg
					= 1.6825 M.T
$\frac{2}{37}$ Provision R-cc					M ₂₀
is deck slab -					-
					- cc 2p job
					1 x 7.50 x 5.76 x 0.490 = 18.57m ³
					1 x 6.00 x 2.56 x 0.240 = 3.68m ³
					22.25m ³
$\frac{3}{41}$ Provision concrete slab					
- cc 2p job					
					6.00 x 140.5
$\frac{4}{2}$ clay & gully of					
road bed - cc 2p job					
					2 x 2 x 30.00 x 3.50 = 420.00m ³
					2 x 2 x 30.00 x 3.50 = 420.00m ³
					840.00m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B-P	840.00
	27	2 x 30	13.50		420.00
	27	2 x 30	13.50		420.00
	27	2 x 30	13.50		420.00
					2100.00
					= 0.21 feet.
$\frac{5}{5}$	Const. of Embankment				
Charge	45	Area	Area	Cost	Qty
0.00					
50.00					
100.00					
150.00					
200.00					
250.00					
300.00					
350.00					
400.00		2.013			
450.00		2.375	2.194	50.00	109.70
500.00		2.182	2.279	50.00	113.95
550.00		2.111	2.147	50.00	107.35
600.00		2.575	2.343	50.00	117.50
650.00		0.00	0.00	0.00	
700.00		0.00	0.00	0.00	
750.00		0.00	0.00	0.00	
770.00		0.00	0.00	0.00	
At last			total	2	448.50

25106124

Continuation

J.E. Phulekar

25106124
AR

Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>1</u> <u>31</u>	P-1	E/W	in sq. ft.		
		in ft.	in ft.		
T.M.B	P-1	1 =	139.98 m ²		
T.M.B	P-3	3 =	74.24 m ²		
			21.422 m ²		
			398.62		185392 m ²
<u>2</u> <u>32</u>	P-1	Ready sand fill			
		in ft.	in ft.		
T.M.B	P-1	1 =	4.12 m ²		
T.M.B	P-3	3 =	1.21 m ²		
			5.12 m ²		
			575.24		29542 m ²
<u>3</u> <u>33</u>	P-1	Ready P. cor. (M ₁₅)			
		in ft.	in ft.		
T.M.B	P-2	2 =	22.28 m ²		
T.M.B	P-3	3 =	10.79 m ²		
			33.07 m ²		
			7770.71		1256972 m ²
<u>4</u> <u>34</u>	P-1	Ready P. cor. (M ₁₅)			
		in ft.	in ft.		
T.M.B	P-2	2 =	90.45 m ²		
T.M.B	P-3	3 =	45.18 m ²		
			135.63 m ²		
			7770.71		10539412 m ²

Continuation

13,99,264.25

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F.	399264
$\frac{5}{35}$ Pandy Pda/raufan					
cut ends in sub					
stuck - cut b. pl					
T.M.B P-	4		106.7	m	
			8356.27		891,698
$\frac{6}{36}$ Pandy Pda/raufan					
cut end in M20					
sub cut - cut b. pl					
T.M.B P-	4		6.86	m	
			8803.07		60,389
$\frac{7}{38}$ S/P/F H4SD					
bars - - -					
T.M.B P-	5		0.4784	M.T	
T.M.B P-	7		1.6825	M.T	
			2.1609	M.T	
			7649534	M.T	8,65299
$\frac{8}{40}$ Pandy Krap Mas					
cut b. pl					
T.M.B P-	5		66.4	Mos	
			109.56		72312
$\frac{9}{37}$ Pandy R-w M25-u					
dark slab - cut b. pl					
T.M.B P-	7		22.25	m	
			9987.07		222,242

Continuation

27,46,093

