

ਸਮਾਪਤੀ ਨਿਰਮਾਣ ਕਰੀ 21 ਏਕਰ
ਮਾਪੀ ਪੁਰਾਣੇ ਮਸ਼ੀਨ ਰਕਤ 100 ਏਕਰ
ਏਕਰ ਦੇ ਮਸ਼ੀਨ ਅਸਿਮਤਾ 100 ਏਕਰ
ਕਾਰਜ ਨਿਰਮਾਣ ਕਾਰਜ ਅਗਲ ਪੁਰਾਣੇ
ਮਸ਼ੀਨ (21) ਦੇ ਪੁਰਾਣੇ ਨਿਰਮਾਣ
ਨਿਰਮਾਣ 21 ਏਕਰ


Executive Engineer
RWD Work Division
ਪੰਜਾਬ
5.10.23
16.12.23

Sch. XLV - Form No. 134

PAKRI DALAL DIVISION
TETARIA
PAKRI DALAL SUB-DIVISION

Measurement Book

No.

1425
1429

Name _____

Date of first entry _____

Date of last entry _____



Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Work — Const. of H.L. R. cre.					
Bridge over Bhagwati					
River at Hasanpur Harpal					
Road via Bheloh Ram					
Road.					
Agency — Bhai Bihari Singh					
At — Khoda Nagar					
Pro — Meena Bazar					
East Champaran, Mithan.					
Agreement No — 235BD/2023-24					
Date of start — 30.12.23					
Date of completion — 29.12.2025					
Date of Meas — 05/06/24					
$\frac{1}{2}$ Paving & Constructing					
Temporary island.					
- cur. cp. job.					
3.00 M					
$\frac{2}{7}$ Paving & laying of Piers					
M15 - cur. cp. job					
Abt = $2 \times 12.60 \times 5.40 \times 0.150 = 20.41 m^3$					
Pier = $3 \times 9.0 \times 5.40 \times 0.150 = 21.87 m^3$					
					42.28 m ³
$\frac{3}{8}$ Paving R. cre. M35					
in Pile Cap.					
Sh. - cur. cp. job					
Abt = $1 \times 12.30 \times 5.10 \times 1.00 = 12.91 m^3$					

Continuation

42.91 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Pier = 2x 870 x 510 x 18 = 159.72 y				BF	112.91 m ³
1 x 8.70 x 5.10 x 1.83 = 79.86 m³					
4/9 Pounding / d Hry / ply					
4m - Contd HPSD					
dars - cont Cpf pf					
Abutment-pier					
Ct. 25mm = 1 x 20 x 22.48 = 4496.00 cm					
25mm = 1 x 80 x 3.54 = 283.20 "					
20 mm = 1 x 33 x 15.15 = 499.95 "					
25 mm = 1 x 98 x 7.95 = 779.10 "					
25mm = 1 x 40 x 15.15 = 606.00 "					
/ /					
16mm = 1 x 24 x 4.20 = 100.8 "					
20mm = 1 x 12 x 13.15 = 157.80 "					
25mm = 1 x 12 x 5.95 = 71.40 "					
Pier-Cf					
20mm = 2 x 150 x 24.48 = 7344.00 cm					
8mm = 2 x 882 x 3.46 = 6103.44 "					
20mm = 2 x 66 x 3.57 = 471.24 "					
25mm = 2 x 58 x 7.95 = 922.20 "					
Total					
25mm = 5881.10 m					
e 3.85 k/m = 22642.25 kg = 22642 N/m					
20mm = 9749.790 m					
e 2.47 k/m = 24081.98 kg					
= 24.081 N/T					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
16 mm =	100	80 mm			
		21.588 m			159.264 kg
					0.159 M.T
8 mm =	610	3.44 m			
		20.405 m			2441.37 kg
					2.441 M.T
Total =	(22.642 + 24.081 + 0.159 + 2.441) M.T				
	= 49.223 M.T				
$\frac{5}{10}$ Paddy R-co M ₃₀					
is sub-grade	-	-	-	-	
- cut	-	-	-	-	
Footpath slope =	1	8.45	1.20	1.453	14.73 m ²
skel-Cap =	1	8.45	1.79	0.80	12.10 m ²
Pier-slope =	2	(1.8)	0.72	1.25	6.36 m ²
Cap =	2	7.80	2.60	1.02	40.71 m ²
					73.90 m ²
$\frac{5}{74}$ S/A/F H45D					
Autocable	bars	-	-	-	
25 mm =	80	5.07			405.60 m
					3.85 kg/m = 1561.56 kg
20 mm =	67	5.07			339.69 m
					2.77 kg/m = 839.03 kg
16 mm =	20	10.61			212.20 m
					1.588 kg/m = 325.27 kg
10 mm =	52	1.32			68.64 m
					0.625 kg/m = 42.52 kg

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
16 mm =	100	8 mm			
		$\Rightarrow 1.588 \text{ kg/m} =$		159.264 kg	
			$=$	0.159 m-T	
8 mm =	610	3.44 m			
		$\Rightarrow 0.40 \text{ kg/m} =$		244.37 kg	
			$=$	2.441 m-T	
Total =	(22.642 + 24.081 + 0.157 +				
		2.441) m-T			
		$=$	49.223 m-T		
$\frac{5}{10}$ Paddy Rice M ₃₀					
is sub-grade - -					
- cut of ft					
Footpath slope =	1	$8.45 \times 1.20 \times 1.453 = 14.73 \text{ m}^2$			
Slope-Cap =	1	$8.45 \times 1.79 \times 0.80 = 12.10 \text{ m}^2$			
Par-slope =	2	$(1.8)^2 \times 0.72 \times 1.25 = 6.36 \text{ m}^2$			
Cap =	2	$7.80 \times 2.60 \times 1.00 = 40.71 \text{ m}^2$			
					73.90 m ²
$\frac{5}{14}$ S/P/F HYSD					
auto-cast	bars - cut of ft				
25 mm =	80	$5.07 =$		405.60 m	
		$\Rightarrow 3.85 \text{ kg/m} =$		1561.56 kg	
20 mm =	67	$5.07 =$		339.69 m	
		$\Rightarrow 2.47 \text{ kg/m} =$		839.03 kg	
16 mm =	20	$10.61 =$		212.20 m	
		$\Rightarrow 1.588 \text{ kg/m} =$		335.27 kg	
10 mm =	52	$1.32 =$		68.64 m	
		$\Rightarrow 0.645 \text{ kg/m} =$		42.52 kg	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
16mm =	16	8.37			133.92m
	56	10.17			569.52m
					= 702.44m
				@ 1.588/m	= 111.431g
10mm =	15	8.37			125.55m
	13	9.37			140.55m
					= 266.10
12mm =	58	2.79			161.82m
				@ 1.588/m	= 255.671g
12mm =	36	4.53			163.08m
Pieces					
25mm =	92	6.47			595.24m
				@ 3.220/m	= 2291.671g
12mm =	18	5.64			101.52m
25mm =	88	9.08			90.351g
25mm =	88	9.56			841.28m
				@ 3.858/m	= 3238.92kg
20mm =	36	9.85			354.60m
				@ 2.478/m	= 875.861g
20mm =	28	14.47			405.16m
				@ 2.471/m	= 1000.74g
20mm =	96	12.87			1235.52m
				@ 2.471/m	= 3057.751g
16mm =	16	2.53			40.48m
				@ 1.588/m	= 63.951g
8mm =	72	39.54			2846.88m
				@ 0.408/m	= 1138.751g

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Bottom =	16	5.18			= 82.88 m
Perimeter =	20.40				= 33.15 kg
7 32	file local T-test on single vertical				
	file - out of file				
4) single file local T-test					
	1	2.50	2.50		= 625.00 M.T
(ii) false file local T-test					
	3	2.50	1.50		= 1125.00 M.T
					= 1750.00 M.T
(iv) lateral local T-test					
	1	2.50	0.20	2.50	= 50.00 M.T
<u>8</u> 33	Conductivity Confirmatory				
	Bong. sampling				
	out - out of file				
Alt. =	2	30			= 60.00 M
Pick 2	3	33			= 99.00 M
					159.00 M
05/06/24	J.E.				
T-Test	J.E.				

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{1}{1}$ E/W in excavation					
- cum cp ft					
T.M.B/P - 17 = 642.78m					
$\Rightarrow 205.54/m^2$					1,32,117.20
$\frac{2}{2}$ Paving & concrete Trench					
- cum cp ft					
T.M.B/P - 23 = 3.00 M					
$\Rightarrow 85886.19/Rm$					2,57,659.20
$\frac{3}{4}$ Paving street lane					
- cum cp ft					
T.M.B/P - 17 = 18.46 M.T					
$\Rightarrow 106707.85/M^2$					19,69,827.20
$\frac{4}{5}$ Paving Road Cost					
in site M35 - cum					
cp ft					
T.M.B/P - 17 = 716.4 M					
$\Rightarrow 18506.11/Rm$					1,32,50,375.20
$\frac{5}{9}$ S/P/F HYSD bars					
- cum cp ft					
T.M.B/P - 17 = 45.1609 M.T					
T.M.B/P - 25 = 49.323 M.T					
94.483 M.T					
$\Rightarrow 77933.36/M^2$					73,69,448.20
$\frac{6}{8}$ Paving R-cm M35					
4 cp - cum cp ft					

Continuation

 $\Rightarrow 52,29,73,426.20$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					22,287.3420
T.M.B/P-172	172	192.77	3		
T.M.B/P-242	242	79.86	11		
		272.63	3		
	9188.95				25,051.832
$\frac{7}{6}$	Discontinuity of Rec				
	Pile - cut C.P. for				
T.M.B/P-172	172	23.04	3		
	1588.93				36,609.20
$\frac{8}{3}$	Paving General Rec				
	- cut C.P. for				
T.M.B/P-182	182	81.44	11		
	4378.01				3,54,619.20
$\frac{9}{29}$	Cont. of Embankment				
	- cut C.P. for				
T.M.B/P-182	182	1104.37	3		
	211.35				233,409.20
$\frac{10}{30}$	Paving General Rec				
	bank - cut C.P. for				
T.M.B/P-182	182	53.43	3		
	4001.96				2,13,825.20
$\frac{11}{31}$	Paving f by Rec				
	Hw. pile -				
T.M.B/P-182	182	30.00	11		
	8142.10				2,44,263.20

Continuation

2,65,61,334.20

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					8152.6561,33420
$\frac{12}{74}$	5/8/8	117.50	6m		
T.H.B / P	272	11.78	5 M.T		
		8155.23	M.T		521,05920
$\frac{13}{10}$	Paving R. C. C.	1130			
T.H.B / P	25	73.90	m ²		
		59511.15	m ²		7,02,8740
$\frac{14}{7}$	Paving & Gully P. C. C.				
	M ₁₈				
T.H.B / P	232	42.28	m ²		

					57807.07/m ² → 330,08320
$\frac{15}{32}$	Pile bed Trench				
(i) initial pile bed					
T.H.B / P	27	625	M.T		
(ii) Paving		1125	M.T		
		1750	M.T		
		300.0	M.T		525,00020
(iii) Latent bed Trench					
T.H.B / P	272	50.00	M.T		
		5000.0	M.T		2,50,00020
$\frac{16}{33}$	Conductivity Conductivity Reg.				
T.H.B / P	272	159	M		

Continuation

62,92,90,35020

[illegible]

Continuation

