

ਪ੍ਰਮਾਣਿਤ ਕੀਤਾ ਜਾਣਾ
ਏ ਕਿ ਮਾਪੀ ਪੁਲ ਮੇ ਮਸ਼ੀਨ ਟੈਕਸ
100 ਪੁਲ ਏ ਜਿਸੇ ਲਈ ਮਸ਼ੀਨ ਟੈਕਸ
R.W.D ਮਸ਼ੀਨ ਦੇ ਪ੍ਰਮਾਣਿਤ
ਨਿਰਮਾਣ ਕੀਤਾ ਜਾਣਾ ਏ


Executive Engineer
R.W.D. Division
15-7-23

Sch. XLV - Form No. 134

PAKRIDAYAL DIVISION

MADHUBAN SUB-DIVISION

Measurement Book

No.

1390

Name _____

Date of first entry _____

Date of last entry _____

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2nd	on	A/c	Bill	
N/W: →	const ⁿ . of road & C.D works				
	with five year maintenance				
	of MMSY chatauni Math				
	Chauhnia tola road to				
	gandak bandh Harinarayan				
	pur road under MMSY (SC)				
Agency: →	Ratnesh Kumar Singh,				
	AT. Pakaridaya				
	P.O + P.S - Pakaridaya,				
	East Champaran.				
Agreement no: →	SI/SBD/2018-19				
D.O.S →	12.12.2018				
D.O.C →	11.09.2019				
D.O.M →	31.12.2023 to				
1. →	const ⁿ . of reference and working				
	bench mark - do - all comp. job.				
Qty vide	TMB	P-01,	Item-01	→	0.958 KM.
2. →	const ⁿ . of reference pillars				
	- do - all comp. job.				
Qty vide	TMB	P-01,	Item-02	→	0.958 KM
3. →	clearing and grubbing road land				
	- do - all comp. job.				
Qty vide	TMB	P-02	Item-03	→	0.2949.
4. →	E/W in excavation for bound ⁿ				
	- do - all comp. job.				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. vide TMB P-02, Item-04 →					37.62 m ³
5.) Sand filling in foundation					
- do - all comp. job.					
Qty. vide TMB P-02, Item-05 →					2.86 m ³
6.) B/P/s in foundation					
- do - all comp. job.					
Qty. vide TMB P-02, Item-06 →					28.64 m ²
7.) Pcc 14-15 in open foundation					
- do - all comp. job.					
Qty. vide TMB P-03, Item-07 →					6.17 m ³
8.) B/w in C.M (1:4) in head wall					
- do - all comp. job.					
Qty. vide TMB P-03, Item-08 →					26.51 m ³
9.) P/L 1000 mm φ H.P					
- do - all comp. job.					
Qty. vide TMB P-03, Item-09 →					7.50 m.
10.) Plastering with C.M (1:4) on					
B/w - do - all comp. job.					
Qty. vide TMB P-03, Item-10 →					36.40 m ²
11.) Providing 1.5 mm cement					
putting - do - all comp. job.					
Qty. vide TMB P-04 Item-11 →					13.26 m ²
12.) const. of Subgrade					
& Earthen shoulder					
- do - all comp. job.					
SX 30X 7.90X 0.30 =					355.50 m ³
SX 30X 7.90X 0.30 =					355.50 "

Continuation

C. O = 711.00 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F.	711.004^3
	1X	28X	7.90X	0.30	$66.36''$
	2X	5X	30X	1.49X	$89.40''$
	2X	5X	30X	1.49X	$89.40''$
	2X	5X	30X	1.49X	$89.40''$
	2X	4X	30X	1.49X	$71.52''$
	2X	1X	28X	1.49X	$16.68''$
	2X	5X	30X	1.295X	$29.13''$
	2X	5X	30X	1.295X	$29.13''$
	2X	5X	30X	1.295X	$29.13''$
	2X	4X	30X	1.295X	$23.31''$
	2X	1X	28X	1.295X	$5.43''$
	2X	5X	30X	1.51X	$79.27''$
	2X	5X	30X	1.51X	$79.27''$
	2X	2X	30X	1.51X	$31.71''$
					1440.144^3
13. Excavation for roadway					
— do — all comp. job.					
Qty vide	TMB	P-06, item-	16	→	55.354^3
14. const. of G.S.B					
— do — all comp job.					
Qty. vide	TMB	P-07, item-	17	→	445.434^3
15. providing, laying and spreading					
WBM Gr. III — do — all comp. job.					
Qty. vide	TMB	P-08, item-	18	→	272.084^3

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH	Area	Mean area	Dist		Volume
600	2.620	2.598	50		129.875 "
650	6.885	4.753	50		237.625 "
700	7.728	7.307	50		365.325 "
750	7.961	7.845	50		392.225 "
800	7.694	7.828	50		391.375 "
850	8.237	7.966	50		398.275 "
900	7.143	7.690	50		384.500 "
950	6.840	6.992	50		349.575 "
958	6.251	6.546	8		52.364 "
					3572.6394 ³
<u>Deduction</u>					
Sub grade					1440.144 ³
G.S.B					445.43 "
W.B.M Gr-II					272.08 "
P.C.C					218.16 "
					2375.814 ³
Net Qty =	(3572.639 - 2375.81)				
	= 1196.824 ³				
17 (A) const. of embankment					
Lead up to 1000m 20-all					
comp. job.					
30% of	1196.82	4 ³	= 359.0464 ³		
17 (B) const. of Embankment lead up					
to 1000m 20-all comp. job					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
70% of	1196	82	4 ³	=	837.7744 ³
18.) P/A Prime coat					
-do- all comp. job.					
12x	(3.99 + 3.75)			=	46.444 ²
		5x	30x	3.75=	562.50"
		4x	30x	3.75=	450.00"
14x	(3.75 + 6.00 + 3.75)			=	63.00"
		5x	30x	3.75=	562.50"
		1x	18x	3.75=	67.50"
14x	(3.75 + 6.00 + 3.75)			=	63.00"
		4x	30x	3.75=	450.00"
					2264.944 ²
					2264.934 ²
19.) P/A tack coat					
-do- all comp. job.					
12x	(3.99 + 3.75)			=	46.444 ²
		5x	30x	3.75=	562.50"
		4x	30x	3.75=	450.00"
14x	(3.75 + 6.00 + 3.75)			=	63.00"
		5x	30x	3.75=	562.50"
		1x	18x	3.75=	67.50"
14x	(3.75 + 6.00 + 3.75)			=	63.00"
					1814.944 ²

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F.	=	1814.94 M ²
		4x	30x	3.75	= 450.00 "
					2264.94 M ²
			limit	=	2264.93 M ²
	121	06/24	J.E	21/6/24	AE
20. > providing laying and rolling					
20 mm thickness Mss - do - all					
comp. job.					
		12x	(3.99 + 3.75)	=	46.44 M ²
		5x	30x	3.75	= 562.50 "
		4x	30x	3.75	= 450.00 "
		14x	(3.75 + 6.00 + 3.75)	=	63.00 "
		5x	30x	3.75	= 562.50 "
		1x	18x	3.75	= 67.50 "
		14x	(3.75 + 6.00 + 3.75)	=	63.00 "
		4x	30x	3.75	= 450.00 "
					2264.94 M ²
			limit	=	2264.98 M ²
	123	06/24	J.E	21/6/24	AE
21. > If and shouldering with pcc					
- do - all comp. job.					
	2x	5x	30x	0.375 (90)	= 112.50 M ²
	2x	5x	30x	0.375 (90)	= 112.50 "
	2x	2x	30x	0.375 (90)	= 45.00 "
					270.00 M ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
22.) P/F Kilometers stone					
-do- all comp. job				→	1.00 nos.
23.) P/F 200m stone					
-do- all comp. job				→	4.00 nos.
24.) P/F boundary pillar					
-do- all comp. job				→	19.00 nos.
25.) Painting two coats on new concrete surface				-do- all comp.	
		2X	6.20X	1.80	22.32M ²
		2X	6.15X	0.60	7.38 "
		2X	6.15X	0.40	4.92 "
		4X	0.40X	0.60	0.96 "
					35.58M ²
26.) P/F MMSY sign board and Logo of MMSY Project				-do- all comp. job	
				→	4.00 nos.
27.) P/F 600mm equilateral triangle				-do- all comp. job	
				→	8.00 nos.
28.) P/F 600mm Circular				-do- all comp. job	
				→	4.00 nos.
29.) P/F 600mm x 450mm rectangular board				-do- all comp. job	
				→	2.00 nos.
30.) Providing and fixing 900mm side octagon				-do- all comp.	
				→	2.00 nos.
31.) Providing & laying 300mm D.B. R/c 4.P				-do- all comp.	
		2X	3X	2.50	15.00 RM

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
1.) const ⁿ of reference & working					
10) benchmark -do- all comp.					
0.958 KM vide TMB P-15					
@Rs. 10950.84/KM				Rs.	10,491=00
2.) const ⁿ of reference pillar					
-do- all comp. job.					
0.958 KM vide TMB P-15					
@Rs. 10074.24/KM				Rs.	9651=00
3.) clearing and grubbing					
02 road land -do- all comp.					
job.					
0.29 Ha vide TMB P-15					
@Rs. 50148.62/Ha				Rs.	14,543=00
4.) E/W in Excavation for					
27 found ⁿ -do- all comp.					
37.62 M ³ vide TMB P-16					
@Rs. 288.02/M ³				Rs.	10,835=00
5.) Sand filling in found ⁿ					
-do- all comp. job.					
2.86 M ³ vide TMB P-16					
@Rs. 364.55/M ³				Rs.	1043=00
6.) B/F/S in found ⁿ					
35 -do- all comp. job.					
23.64 M ² vide TMB P-16					
@Rs. 295.12/M ²				Rs.	8452=00
				C.F.	Rs. 55,015=00

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
			B.F	Rs. 55015=00
7/36 > PCC 11-15 in open bound ⁿ				
- do - all comp. job.				
6.17 m ³ wide THB P-16				
@ Rs. 6297.87/m ³				Rs. 38,858=00
8/37 > B/W 10 C.Y (1:4) in				
head wall - do - all comp.				
26.51 m ³ wide THB P-16				
@ Rs. 6396.23/m ³				Rs. 1,69,564=00
9/38 > P/L 1000mm ϕ H.P.				
- do - all comp. job.				
7.50 m wide THB P-16				
@ Rs. 4489.92/m				Rs. 33,674=00
10/39 > Plastering with C.Y				
(1:4) on B/W - do - all				
comp. job.				
36.40 m ² wide THB P-16				
@ Rs. 199.94/m ²				Rs. 7278=00
11/40 > Providing 1.5mm cement				
finishing - do - all comp. job.				
13.26 m ² wide THB P-16				
@ Rs. 66.69/m ²				Rs. 884=00
12/04 > const ⁿ of subgrade &				
earthen shoulder - do - all				
comp. job.				
1440.14 m ² wide THB P-17				
@ Rs. 156.97/m ²				Rs. 2,26,058=00

Continuation

C.O - Rs. 5,31,331=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F	—	—	Rs. 31,331.20
13) Excavation for roadway	06				
—do— all comp. job.					
55.35 M ³ vide TMB P-17					
@ Rs. 77.69 / M ³					Rs. 4300.00
14) const ⁿ . of G.S.	08				
—do— all comp. job.					
445.43 M ³ vide TMB P-17					
@ Rs. 2682.43 / M ³					Rs. 11,94,835.00
15) Providing, laying and spreading work (contd)	09				
—do— all comp. job.					
272.08 M ³ vide TMB P-17					
@ Rs. 3434.43 / M ³					Rs. 9,34,440.00
16) const ⁿ . of RCC of-25	13				
—do— all comp. job.					
218.16 M ³ vide TMB P-18					
@ Rs. 7312.66 / M ³					Rs. 15,95,330.00
17) const ⁿ . of Embankment	03				
lead up to 1000m do-all					
comp. job.					
359.046 M ³ vide TMB P-19					
@ Rs. 155.23 / M ³					Rs. 55,734.00
17(B) const ⁿ . of Embankment	05				
lead up to 100m do-all					
comp. job.					
		C.O	—	—	Rs. 43,15,970.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
837.774		B.F	—	Rs. 49	15,970=00
1496.82 M ³	vide	TMB	P-20		
@ Rs. 116.48/M ³				Rs. 97	584=00
$\frac{18}{10}$ > P/A Prime coat					
— do — all comp. job.					
2264.93 M ²	vide	TMB	P-20		
@ Rs. 47.58/M ²				Rs. 1,07,765=00	
$\frac{19}{11}$ > P/A tack coat					
— do — all comp. job.					
2264.93 M ²	vide	TMB	P-20		
@ Rs. 15.91/M ²				Rs. 36,035=00	
$\frac{20}{12}$ > Providing, laying and					
6 spreading, rolling 20 mm					
thick mass — do — all					
comp. job.					
2264.93 M ²	vide	TMB	P-21		
@ Rs. 211.16/M ²				Rs. 4,78,263=00	
$\frac{21}{07}$ > Hand shouldering with					
PCC — do — all comp. job.					
270.00 M ²	vide	TMB	P-21		
@ Rs. 503.12/M ²				Rs. 1,35,842=00	
$\frac{22}{14(LN)}$ > P/F Kilometer stone					
— do — all comp. job.					
1.00 no	vide	TMB	P-22		
@ Rs. 2585.05 each				Rs. 2585=00	
		CO		Rs. 51,74,044=00	
					/

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F		Rs 51,	74,044=00
23) P/F 200mm stone					
14(m) - do - all comp. job.					
4.00 nos. vide TMB P-22					
@ Rs. 694.07 each				Rs.	2776=00
24) P/F boundary pillar					
15 - do - all comp. job.					
19.00 nos. vide TMB P-22					
@ Rs. 526.97 each				Rs.	10012=00
25) Painting two coats on					
16 new concrete surface					
- do - all comp. job.					
35.58 m ² vide TMB P-22					
@ Rs. 110.65/m ²				Rs.	3937=00
26) P/F MMSY logo board					
20 sqm and logo of MMSY project					
- do - all comp. job.					
4.00 nos. vide TMB P-22					
@ Rs. 11664.12 each				Rs.	46,656=00
27) P/F 600mm equilateral					
22 triangle - do - all comp. job.					
8.00 nos. vide TMB P-22					
@ Rs. 3878.35 each				Rs.	31,027=00
28) P/F 600mm Circular					
22 - do - all comp. job.					
4.00 nos. vide TMB P-22					
@ Rs. 5283.36 each				Rs.	21,133=00

Continuation

C.O - Rs. 52,89,585=00

