

ਘੋਸ਼ਣਾ ਕਿ ਮੇਰੇ ਨਾਮ 'ਤੇ
ਮੁੱਲ 100 ਰੁਪਏ ਦੇ ਮਾਲ ਦੀ ਵੇਚਿਆ
ਜਾ ਰਿਹਾ ਹੈ ਅਤੇ ਮੇਰੇ ਨਾਮ 'ਤੇ
ਮਾਲ ਦੀ ਵੇਚਿਆ ਜਾ ਰਿਹਾ ਹੈ
ਮੇਰੇ ਨਾਮ 'ਤੇ ਮਾਲ ਦੀ ਵੇਚਿਆ
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ਮਾਲ ਦੀ ਵੇਚਿਆ ਜਾ ਰਿਹਾ ਹੈ


19.2.24
Executive Engineer
RWD Works Division
Punjab

Sch. XLV - Form No. 134

R.W.D. PATNAXAL DIVISION

R.W.D. PATNAXI SUB-DIVISION

Measurement Book

No.

1439

Name _____

Date of first entry _____

Date of last entry _____

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. P.N. conducting contrary Boxing sample in soil test - do - B.I.V.					
Abut. -	2	30.40 m			60.40 m.
Pier -	2	33.40 m			66.40 m
					126.00 m.
 25.3.24. J.E.			 25/3/24 A.E.		
Abut. - A ₂					
① P.N. Disarmament of gun and pile head -					
					$1 \times 8.40 \times 1.131 \times 0.60 = 5.428 \text{ m}^3$
② P.N. laying of P.C. m ₂ in boxing course - do - do - B.I.V.					
					$1 \times 12.60 \times 5.4 \times 0.15 = 10.20 \text{ m}^3$
 27.3.24. J.E.			 27/3/24 A.E.		
① S/F ∞ placing HYSD bar in pile - do - F.I.T.					
16mm ϕ -		98	7.95		
					@ 1.58 K $\frac{K}{M}$ = 1230.978 K $\frac{K}{M}$

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
16mm ϕ - 40 nos. x 7.95 m					
@ 1.58 kg/m					2957.48 kg
20mm ϕ - 98 x 7.95 m					
@ 2.47 kg/m					1924.377
40 x 15.15 m					
@ 2.47 kg/m					1496.82
16 ϕ - 24 x 4.20 m					
@ 1.58 kg/m					159.264
12 x 13.15 m					
@ 1.58 kg/m					249.324
12 x 5.95 m					
@ 1.58 kg/m					112.812
					513.055 kg
					6.131 MT
(4) SIF & Placing HNSD					
bar in un-corr'd reinforcement					
mont in sub-structure					
- do - do - E/F.					
Ab. A2 - shaft.					
25mm ϕ - 85 x 4.95 m					
@ 3.85 kg/m					1619.887 kg
20mm ϕ - 67 x 4.95 m					
@ 2.47 kg/m					819.175
12 ϕ - 18 x 10.61 m					
@ 0.89 kg/m					169.972
10 ϕ - 48 x 13.2 m					
@ 0.62 kg/m					39.283

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Return wall -					
12" - 2 x 18 x 4.53 m					
0.89 K $\frac{1}{2}$ /m = 145.141					
2 x 18 x 4.53 m					
@ 0.89 K $\frac{1}{2}$ /m = 145.141 K $\frac{1}{2}$.					
1.6 mm - 2 x 56 x 5.67 m					
@ 1.58 K $\frac{1}{2}$ /m = 1003.313 "					
12" - 2 x 17 x 5.84 m					
@ 0.89 K $\frac{1}{2}$ /m = 176.718 K $\frac{1}{2}$.					
2 x 17 x 5.84 m					
@ 0.89 K $\frac{1}{2}$ /m = 176.718 "					
16" - 2 x 4 x 4.53 m					
@ 1.58 K $\frac{1}{2}$ /m = 57.259 "					
A $\frac{1}{2}$ - A $\frac{1}{2}$ cap -					
16 mm - 16 x 8.37 m					
@ 1.58 K $\frac{1}{2}$ /m = 211.533 "					
56 x 10.17 m					
@ 1.58 K $\frac{1}{2}$ /m = 899.841 "					
5464.091 K $\frac{1}{2}$.					
215.464 MT.					
3 PM. & laying R.C.C. 1735					
in pile cap - also - E.I.					
1 x 12.30 x 5.10 x 1.80 = 112.91 M ³					
214.24.					
AE					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Pier - P ₁					
1. Dismantling of R.C.					
pile head - do - E/I.					
1 x 6.00 x 1.131 x 0.60 =					4.07 m ³
2. P.V. labing of P. R.C.					
M/S in leveling course					
- do - do - E/I.					
1 x 9.0 x 5.40 x 0.15 =					7.29 m ³
4.4.9 M. ① H/S D bar in pier					
5. E . 16 Φ - 69 x 7.95 x 1.58 =					866.709
20 Φ - 69 x 7.95 x 2.47 =					1354.918
41 x 11.55 x 2.67 =					1169.668
16 Φ - 16 x 4.20 x 1.58 =					106.176
12 x 3.55 x 1.58 =					81.068
12 x 5.5 x 1.58 =					117.812
9. S/F as placing H/S D					4.533 m ³
bar in pile cap bar					
Pier - P ₂ - do - E/I.					
25 Φ - 44 x 6.05					
@ 3.85 kg/m =					1071.455 kg
12 Φ - 6 x 5.64 m					
@ 0.89 kg/m =					30.117
pile cap -					
25 Φ - 44 x 9.86 m.					
@ 3.85 kg/m =					1619.464
20 mm Φ - 18 x 9.85 m					
@ 2.47 kg/m =					437.931
16 Φ - 14 x 14.47 m					
@ 1.58 kg/m =					320.076

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	48x	12.87m			
	@ 1.58 kx/m				976.060 kx.
	6x	14.01			
	@ 1.58 kx/m				132.814
20x	8x	20.82m			
	@ 2.47 kx/m				411.403
12x	21x	7.72m			
	@ 0.89 kx/m				144.286
	14x	4.72m			
	@ 0.89 kx/m				58.81
25x	8x	2.53m			
	@ 3.85 kx/m				77.924
					5280.341 kx.
					or 5.280 mm.
3. P.V. laying R.C.C. M ₂₅					
in pile cap - do - E.I.					
	1x	8.70	5.10	1.80	79.86m ³
	10.4.24.				
J.E.					
Pier - P ₁					
(1) Dismantling of R.C.C.					
pile head - do - E.I.					
	1x	6.00	1.131	0.66	4.07m ³
					9.07m ³
(2) P.V. laying of P.C.C. M ₂₅					
in leveling course - do - E.I.					
	1x	9.00	5.40	0.15	7.29m ³

Continuation

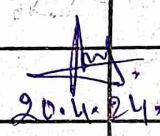
12.4.24.

J.E.

12/4/24
A.E.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. SIF or placing HYSD bars in pile cap for Pier - P ₁ - abutment - E.I.					
16Φ - 69 x 7.95 m					
@ 1.58 kg/m = 866.709 kg					
41 x 11.55 m					
@ 1.58 kg/m = 748.209 ,,					
20Φ - 69 x 7.95 m					
@ 2.47 kg/m = 1354.918 ,,					
41 x 11.55					
@ 2.47 kg/m = 1169.668 ,,					
16Φ - 16 x 4.20 m					
@ 1.58 kg/m = 106.176 ,,					
12 x 9.55 m					
@ 1.58 kg/m = 181.068 ,,					
12Φ - 12 x 5.95 m					
@ 1.58 kg/m = 112.812 kg.					
					4539.56 kg.
					or 4.539 MT.
2. SIF or placing HYSD bars in uncapped pier (P ₁) shaft - abutment - E.I.					
25Φ - 46 x 6.05 m					
@ 3.85 kg/m = 1071.455 kg.					
12Φ - 6 x 5.64 m					
@ 0.89 kg/m = 30.117 ,,					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Pier - P, cap -					
25mm ϕ -		44	9.56	m	
		@ 3.85 kg/m		= 161	9.464 kg.
20 ϕ -		18	9.85	m	
		@ 2.47 kg/m		= 437.93	1
16 ϕ -		14	14.47	m	
		@ 1.58 kg/m		= 320.076	1
		48	12.87	m	
		@ 1.58 kg/m		= 976.060	1
		6	14.01	m	
		@ 1.58 kg/m		= 132.814	1
20 ϕ -		8	20.82	m	
		@ 2.47 kg/m		= 411.403	1
12 ϕ -		21	7.92	m	
		@ 0.89 kg/m		= 144.286	1
		14	4.72	m	
		@ 0.89 kg/m		= 58.811	1
25 ϕ -		8	2.53	m	
		@ 3.85 kg/m		= 77.924	1
					5280.341 kg.
					or 5.280 MT.
3. P.V. Laying of R.C.C.					
M3 5 grade in pile cap					
For pier - P, ab - E/I					
1 x 8.70 x 5.100 x 1.80					= 78.866 m ³
Ans.					
18.4.24					
J.R.					

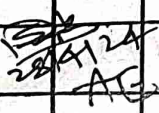
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Ab - A1					
1. P.V. Dismantling of P.C.C. pile head A1					
1 x 8.00 x 1.131 x 0.60 =					5.428 m ³
2. P.V. laying of P.C.C. M.S. in leveling course					
— olo - olo - E/I.					
1 x 12.60 x 5.40 x 0.15 =					10.206 m ³
 20.4.24.					
S.E.					
1. S.F. on placing H.V. SD bar in uncasted pile					
cap for Ab - A1 - olo E/I.					
16Φ - 98 x 7.95 m.					
@ 1.58 kg/m =					1230.978 kg.
40 x 15.15 m					
@ 1.58 kg/m =					957.480 kg.
20Φ - 98 x 7.95 m					
@ 2.47 kg/m =					1324.377 "
40 x 15.15 x 2.47 =					1496.820 "
16Φ - 24 x 4.20 m					
@ 1.58 kg/m =					159.264 "
16Φ 12Φ 12 x 13.15 m					
@ 1.58 kg/m =					249.324 "
12 x 5.95 m					
@ 1.58 kg/m =					112.812 "
					6131.055 kg.

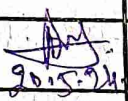
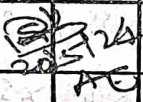
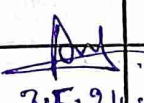
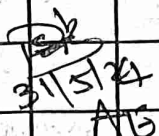
Continuation of 6.131 MT.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2. S/F as Placing HYSD					
bar in cm - Control					
about shaft - A ₁					
25Φ - 85 x 4.95 m					
@ 3.85 kg/m = 1619.887 kg.					
20Φ - 67 x 4.95 m					
@ 9.27 kg/m = 819.175 "					
12Φ - 18 x 10.61 m					
@ 0.89 kg/m = 169.972 "					
10Φ - 48 x 1.32 m					
@ 0.62 kg/m = 39.283 "					
Return wall -					
12Φ - 2 x 18 x 4.53 m					
@ 0.89 kg/m = 145.14 "					
2 x 18 x 4.53 m					
@ 0.89 kg/m = 145.14 "					
16Φ - 2 x 56 x 5.67 m					
@ 1.58 kg/m = 1003.363 "					
12Φ - 2 x 17 x 5.84 m					
@ 0.89 kg/m = 176.718 "					
2 x 17 x 5.84 m					
@ 0.89 kg/m = 176.718 "					
16Φ - 2 x 4 x 4.53 m					
@ 1.58 kg/m = 57.259 "					
A ₂ - cap for A ₁					
16Φ - 16 x 8.37 m					
@ 1.58 kg/m = 211.593 "					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
16 @ - 56 x 10.17 m.					
@ 1.58 kg/m = 899.841 kg.					
					5464.091 kg.
					or, 5.464 MT.
3. P.V. as laying R.C.C. M35					
2 in pile cap for Ab -					
A1 - do - E/I.					
1 x 12.30 x 5.10 x 1.80 = 112.914 kg.					
 28.4.24.			 28.4.24.		
J.E.			A.E.		
1. P.V. as laying Ab shaft					
do g. dia 8 for Ab - A2					
Ab shaft - 8.45 x 1.20 x 1.333 = 13.516 m ³					
R. Wall - 2 x 3.50 x 1.333 x 0.60 = 5.598					
					19.114 m ³
 6.5.24.			 6.5.24.		
J.E.			A.E.		
1. P.V. as laying of P.V.					
Shaft for P2 - do - E/I					
1 x 0.7857 x 1.80 x 1.80 x 0.833 = 2.120 m ³					
 8.5.24.			 8.5.24.		
J.E.			A.E.		

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. P.V. as laying pier front					
for p ₁ - do - E/D.					
1 x 0.7857 x 1.80 x 1.80 x 0.833 =					2.12 m ³
 12.5.24.			 12/5/24		
J.E.					
1. P.V. as laying of AB A ₁ ∞					
R/W. for A ₁ - do - E/D.					
AB - shaft - 1 x 8.45 x 1.90 x 1.333 =					13.516 m ³
R/Wall - 2 x 3.5 x 1.333 x 0.60 =					5.598 "
					19.114 m ³
 20.5.24.			 20/5/24		
J.E.					
1. Back filling behind Abut.					
and - do - E/D.					
1 x 6.05 x 2.90 x 4.025 =					70.618 m ³
 26.5.24.			 26/5/24		
J.E.					
1. Back filling behind					
abut and for A ₁ - do E/D					
1 x 6.05 x 2.90 x 4.025 =					70.618 m ³
 3.5.24.			 31/5/24		
J.E.					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of Cost.					
(1/5) Const. of embankment with exp. material - do - E/I.					
Qty. vide T.M.B.P. NO. - (37)					
$697.10 \text{ m}^3 @ 211 = 351 \text{ m}^3$ - Rs. 147416 =					
(2/32) P.V. as laying H.P.N.P. 3.00 mm dia. - do - E/I.					
Qty. vide T.M.B.P. NO. - (37)					
$45.00 \text{ m} @ 8774 = 371 \text{ m} = 367847 =$					
(3/3) Const. of 1.5 B-G-I. by small graded material - do - E/I.					
Qty. vide T.M.B.P. NO. - (37)					
$28.125 \text{ m}^3 @ 4124 = 64 \text{ m}^3$ - Rs. 116006 =					
(4/1) E/W in embankment for found. - do - E/I.					
Qty. vide T.M.B.P. NO. - (37)					
$531.47 \text{ m}^3 @ 205 = 54 \text{ m}^3$ - Rs. 109238 =					
(5/9) Const. of temporary Isbarnal - - do - do - E/I.					
Qty. vide T.M.B.P. NO. - (37)					
$9 \text{ m} @ 85886 = 19 \text{ each}$ - Rs. 171772 =					
(6/3) P.V. Service Rd. etc - do - E/I.					
Qty. vide T.M.B.P. NO. - (37)					
$60.31 \text{ m} @ 4378 = 01 \text{ m}$ - Rs. 264038 =					
(7/10) S/P as placing HYS bar in found. - do - E/I.					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. of pile T.M.B.P. No. (38) - 63.348 MT.					
" " " (43) - 6.131 MT.					
" " " (45) - 4.539 "					
" " " (49) - 6.131 "					
84.688 MT.					
Limit - 84.630 MT. @ 79375 = 0.11/MT. RS. 6599025 = 00					
(8/4) P.V. steel diam. 6 mm					
thick - do - E/I.					
Qty. of pile T.M.B.P. No. - (38)					
14.20 MT. @ 106749 = 53/MT. RS. 1515843 = 00					
(9/5) Boxed cast in situ M35					
grade - do - E/I.					
Qty. of pile T.M.B.P. No. - (38)					
584.40 MT. @ 18556 = 09/MT. RS. 10895157 = 00					
(10/3) pile load test on site					
vertical pile - do - E/I.					
(11) Initial as vertical test -					
Qty. of pile T.M.B.P. No. - (41) - 625.00 MT.					
" " " (41) - 112.5.00 "					
1750.00 MT.					
@ 300 = 00/MT. RS. 525000 = 00					
(11/11) Lateral test -					
Qty. of pile T.M.B.P. No. - (41)					
50.00 MT. @ 5000 = 00/MT. RS. 250000 = 00					
(11/34) P.V. conducting uniformly					
Boxing of soil test -					
- do - do - E/I.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. in T.M.B.P.N.D. - (42)					
126.40m. @ 950 = 10 / m. - RB. 119700 = 00					
(12/8) Dismantling of P.C.C. pile					
Level - 100 - E.I.					
Qty. in T.M.B.P.N.D. - (42) - 5.428 m ³					
" " " - (45) - 4.070 "					
" " " - (46) - 4.070 "					
" " " - (49) - 5.428 "					
					18.998 m ³
@ 1588-93/m ³ - 16.30174 = 00					
(13/8) P.V. laying P.C.C. M ₁₅					
in leveling course - 100 - E.I.					
Qty. in T.M.B.P.N.D. - (42) - 10.206 m ³					
" " " - (45) - 7.29 "					
" " " - (46) - 7.29 "					
" " " - (49) - 10.206 "					
					34.992 m ³
Limit - 34.992 @ 7934 = 08/m ³ - RB. 277613 = 00					
(14/9) P.V. laying R.C.C. M ₃₅ in					
Pile cap - 100 - 100 - E.I.					
Qty. in T.M.B.P.N.D. - (44) - 112.914 m ³					
" " " - (46) - 79.866 "					
" " " - (48) - 79.866 "					
" " " - (51) - 112.914 "					
					385.56 m ³
@ 9321 = 771 m ³ - RB. 3594102 = 00					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10/15) SIF as placing HYSD bar					
in sub-structure - do - E/D.					
Qty. V. I. T. M. B. P. NO. - (44) - 5.464 MT.					
" " " - (46) - 5.280 "					
" " " - (48) - 5.280 "					
" " " - (51) - 5.464 "					
					21.488 MT.
@ 78196 = 911/MT. RS. 1680995 = 00					
(11/16) P.V. as placing R.C.C. M30					
in Ab pier shaft as AB					
Return null - do - E/D.					
Qty. V. I. T. M. B. P. NO. - (51) - 19.114 m ³					
" " " - (51) - 2.120 "					
" " " - (52) - 2.12 "					
" " " - (52) - 19.114 "					
					42.468 m ³
@ 9613 = 37/m ³ RS 408261 = 00					
(12/17) Back filling in behind					
abutment - do - E/D.					
Qty. V. I. T. M. B. P. NO. - (52) - 70.618 m ³					
" " " - (52) - 70.618 "					
					141.236 m ³
@ 1519 = 58/m ³ RS 214619 = 00					
C.O. - RS 27286106 = 00					

Continuation