

TERDAHI TO PARSAHAI

MR-3054

Schedule XLY-Form No. 134

PAISI

DIVISION

AMDUK

SUB-DIVISION

1371

Measurement Book

- Raj Gyana Selhan. Kumar

2nd A/c bill

27

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
RECORD ENTRY					
(1/23) E/W in excavation - - - do - -					-
Raft - $2 \times 2m \times 6m \times 0.800m$					$= 19.2m^3$
Detached Cut off Wall - $2 \times 2 \times 8.6m \times 0.3m \times 1.8m$					$= 18.576m^3$
Cut off wall - $2 \times 2 \times 2.5m \times 0.55m \times 1.10m$					$= 6.05m^3$
Pitching aprons					
U/s $2 \times 3m \times 3m \times 0.6m$					$= 10.8m^3$
D/s $2 \times 6m \times 3m \times 0.6m$					$= 21.6m^3$
					$76.226m^3$
(2/24) Filling in foundation trenches - - -					-
- - - do - - -					-
Raft - $2 \times 2m \times 6m \times 0.1m$					$= 2.4m^3$
Detached cut off wall - $2 \times 2 \times 8.6m \times 0.3m \times 0.1m$					$= 1.032m^3$
Cut off wall - $2 \times 2 \times 2.5m \times 0.55m \times 0.1m$					$= 0.55m^3$
					$3.982m^3$
(3/25) providing Concrete for plain/Reinforced Concrete - - - do - - -					-
Below Raft - $2 \times 2m \times 6m \times 0.1m$					$= 2.4m^3$
Cut off Wall (Koot) - $2 \times 2 \times 2.5m \times 0.55m \times 0.1m$					$= 0.55m^3$
Cut off Wall (Stem) - $2 \times 2 \times 2.5m \times 0.45m \times 0.6m$					$= 2.70m^3$
					$5.706m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/30) Supplying, fitting & placing HYSO bar Reinforcement - - do - -					
Detached cut off wall					
vertical bar 10mm ϕ @ 250mm c/c					
wt = 2X2X13500X3.22mX0.62kg/m = 279.496kg					
Longitudinal 10mm ϕ @ 250mm c/c					
wt = 2X2X2X700X8.72mX0.62kg/m = 302.78kg					
					582.256kg
					(A)
Raft bottom					
Main bar 12mm ϕ @ 200mm c/c					
wt = 2X31400X2.12mX0.89kg/m = 116.982kg					
Dist. 10mm ϕ 250mm c/c					
wt = 2X2X700X6.12mX0.62kg/m = 68.3kg					
Raft top					
Main bar 12mm ϕ @ 250mm c/c					
wt = 2X2500X2.12mX0.89kg/m = 94.34kg					
Dist. 10mm ϕ @ 300mm c/c					
wt = 2X700X6.12mX0.62kg/m = 58.122kg					
					332.744kg
					(B)
Abutment					
outer 12mm ϕ @ 200mm c/c					
wt = 2X2X31400X3.34X0.89kg/m = 368.602kg					
inner 10mm ϕ @ 200mm c/c					
wt = 2X2X31400X2.12mX0.62kg/m = 162.986kg					
10mm ϕ @ 200mm c/c					
wt = 2X2X31400X1.42mX0.62kg/m = 109.17kg					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8 mm ϕ @ 200 mm c/c					
wt = $2 \times 2 \times 3140 \times 1.420 \text{ m} \times 0.395 \text{ kg/m} = 69.552 \text{ kg}$					
Longitudinal 10 mm ϕ @ 250 mm c/c					
wt = $2 \times 2 \times 2 \times 940 \times 6.12 \text{ m} \times 0.62 \text{ kg/m} = 273.196 \text{ kg}$					
Heunch 8 mm ϕ @ 200 mm c/c					
wt = $2 \times 3140 \times 1.15 \text{ m} \times 0.395 \text{ kg/m} = 112.654 \text{ kg}$					
					1096.16 kg
					②
Total = (A + B + C)					
= (582.256 + 332.744 + 1096.16)					
= 2011.16 kg					

⑤26 plain/ Reinforced Cement Concrete					
(M-25) --- do ---					
detached cut off wall - $2 \times 2 \times 6 \text{ m} \times 0.3 \text{ m} \times 1.5 \text{ m}$					
					= 15.48 m ³
Raft - $2 \times 2 \times 6 \text{ m} \times 0.250 \text{ m} = 6 \text{ m}^3$					
Abutment - $2 \times 2 \times 6 \text{ m} \times 0.250 \text{ m} \times 1.5 \text{ m} = 9 \text{ m}^3$					
Heunch - $2 \times 4 \times \frac{1}{2} \times 0.15 \text{ m} \times 0.15 \text{ m} \times 6 \text{ m} = 0.54 \text{ m}^3$					
					31.02 m ³

⑥30 Supplying, fitting and placing HYSD					
bar Reinforcement --- do ---					
Slab bottom					
Main bar 12 mm ϕ @ 200 mm c/c					
wt = $2 \times 3140 \times 2.12 \text{ m} \times 0.89 \text{ kg/m} = 116.982 \text{ kg}$					
DIST. 10 mm ϕ @ 250 mm c/c					
wt = $2 \times 940 \times 6.12 \text{ m} \times 0.62 \text{ kg/m} = 68.3 \text{ kg}$					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Slab top					
Main bar 12mm ϕ @ 250mm c/c					
wt - $2 \times 2 \times 10 \times 2.12m \times 0.89kg/m = 94.34kg$					
Dist. 10mm ϕ @ 350mm c/c					
wt - $2 \times 7 \times 6 \times 6.12m \times 0.62kg/m = 53.122kg$					
Parapet					
Ring 12mm ϕ 200mm c/c					
wt - $2 \times 2 \times 1140 \times 2.08m \times 0.89kg/m = 81.452kg$					
Longitudinal 10mm ϕ					
wt - $2 \times 2 \times 640 \times 2.12m \times 0.61kg/m = 31.546kg$					
					465.762kg
					(D)

(7/26) plain / Reinforced Cement concrete - - do - -					
Top of deck slab - $2 \times 9m \times 6m \times 0.25m = 6m^3$					
Parapet - $2 \times 2 \times 2m \times 0.25m \times 0.6m = 1.2m^3$					
					7.2m ³

(8/27) Backfilling Behind Abutment wing wall and Return Wall - - do - -					
$2 \times 2 \times 6m \times 1.5m \times 0.6m = 21.6m^3$					

(9/28) providing weep holes - - do - -					
$2 \times 2 \times 5 \times 2 = 4040$					

(10/22) providing and laying Boulder apron - - do - -					
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C/S - $2 \times 3m \times 3m \times 0.6m = 10.8m^3$					
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D/S - $2 \times 6m \times 3m \times 0.6m = 21.6m^3$					
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Continuation 32.4m³Flank - $1 \times 50.00 \times 3.0 \times 0.3 = 30.00$
6240m³dy
18/03/21
DE

on account bill
2nd and final bill

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
(1) clearing and grubbing of Road Land					
Qty - 0.42 Hec			P-19		
@ Rs 49496.70/Hec					Rs 20789.200
(2) Dismantling of Cement concrete pavement by mechanical means - do					
Qty - 14.25 m ³			P-19		Rs 24626.200
@ Rs 1728.15/m ³					
(3) Construction of Subgrade and Earthen Shoulders with approved - do -					
Qty - 1752.0 m ³			P-19		
@ Rs 176.96/m ³					Rs 3,10,033.200
(4/4) Construction of G. S. B by providing well graded material					
Qty - 217.15 m ³			P-19		
@ Rs 2081.03/m ³					Rs 451895.200
(5) providing and Laying Spreading and Compacting WBM - do -					
Qty - 142.44 m ³			P-20		
@ Rs 3755.51/m ³					Rs 534935.200
(6) providing Laying & Spreading and Compacting W. B. M Gr 3 - do -					
Qty - 172.377 m ³			P-20		
@ Rs 3601.60/m ³					Rs 620833.200

Continuation

19,63,111

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7/7) providing and applying primer coat - - do - -					
Qty - 2298.36 m ²				P-20	
@ Rs 42.98/m ²					Rs 98784=00
(8/8) providing Laying and Rolling Close graded premix - - do - -					
Qty - 2298.36 m ²				P-20	
@ Rs 212.79/m ²					Rs 489068=00
(9/9) providing and applying Jack coat - - do - -					
Qty - 10285.85 m ²				P-20	
Limits 20/10/74. 20 m ²					
@ Rs 14.74/m ²					Rs 149968=00
(10/10) providing and Laying S. D. B. C - - do - -					
Qty - 199.69 m ³				P-21	
@ Rs 9732.27/m ³					Rs 1943437=00
(11/11) providing and fixing of KM Stone					
Qty - 03 nos				P-21	
@ Rs 2115.45/Each					Rs 6346=00
(12/11) providing and fixing of 200M Stone					
Qty - 08 nos				P-21	
@ Rs 583.38/Each					Rs 4667=00

Continuation

4655381

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13/12) providing and erecting direction and place - - do - -					
Qty - 02 nos		P - 20			
@ R 12404.22/Each					R 24808.44
(14/13) providing and laying of hot applied - - do - -					
Qty - 420 m ²			P - 21		
@ R 735/m ²					R 30870.00
(15/14) providing and fixing of boundary pillar - - do - -					
Qty - 20 nos		P - 22			
@ R 478.57/Each					R 9571.40
(16/15a) providing and fixing of Semi Reflective Cautionary - do					
(A) 600mm equilateral triangle					
Qty - 47 nos		P - 22			
@ R 2020.14/Each					R 94946.58
(B) 600mm Circular					
Qty - 13 nos		P - 22			
@ R 2080.0/Each					R 27040.00
(C) 600mm x 450mm Rectangular					
Qty - 24 nos		P - 22			
@ R 2073.87/Each					R 49773.28
(17/16) painting two coats including primer Coat - - do - -					
Qty - 161.28 m ²		Continuation P - 22			
@ R 95.63/m ²					R 15423.22

5185642

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(18/18) planting of tree by te Road Side - do -					
Qty - 105 no		P-22			
@ Rs 800.300/each					Rs 84032.20
(19/19) providing & fixing of typical BRDA project informatory					
do -					
Qty - 02 nos		P-23			
@ Rs 10309.81/each					Rs 20620.20
(20/20) plastering with Cement mortar (1:4)			do	-	
Qty - 161.28 m ²		P-23			
@ Rs 188.590/m ²					Rs 30416.20
(21/21) Brick Masonry work in Cement mortar in Substructure			do	-	
Qty - 2.88 m ²		P-23			
@ Rs 6611.38/m ²					Rs 19041.20
(22/23) E/W in excavation -					
Qty - 76.226 m ³		P-27			
@ Rs 285.170/m ³					Rs 21737.20
(23/24) Filling in foundation trenches			do	-	
Qty - 3.982 m ³ Limits to 3.84 m ³		P-27			
@ Rs 458.910/m ³					Rs 1533.20

Continuation

5363021

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(24/25) providing Concrete for plain/ Reinforced Concrete in - do -					
Qty - 5.706 m ³ Limits to 5.060 m ³ P-27					
@ Rs 5843.890/m ³					Rs 29570 = 0
(25/30) Supplying Pitting & placing HYSD bar Reinforcement - do -					
Qty - 2011.16 kg P-29					
Qty - 445.742 kg P-30					
Qty - 2456.902 kg 2.456 MT					
Limits to 2.380 MT					
@ Rs 68978.210/MT					Rs 164168 = 0
(26/28) plain/Reinforced Cement Concrete (M25) - do -					
Qty - 31.02 m ³ P-29					
Qty - 7.2 m ³ P-30					
Qty - 38.220 m ³					
@ Rs 7476.800/m ³					Rs 285763 = 0
(27/27) Back filling Behind Abutment Weir wall - do -					
Qty - 21.6 m ³ P-30					
@ Rs 737.580/m ³					Rs 15932 = 0
(28/28) providing weep holes - do -					
Qty - 40 nos P-30					
@ Rs 125.440/each					Rs 5018 = 0

Continuation

5863472

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(20/22) providing and laying Boulders					
aprons			do		
Qty - 62.40 sqm^3			P-30		
Estimate					
@ Rs 3435.700/m ³					$214388 = 25$ $111317 = 10$
					6077860 Rs $5974789 = 10$ 729343
Add 12% GST					$Rs 716975 = 00$ $60779 = 9$
Add 1% L.C					$Rs 59748 = 00$
					Total Amount Rs 6751512 = 00 6867982
Less 0.02% Below (-)					$Rs 1350 = 00$ $1374 = 0$
					Total Rs = 6750162 = 00 6866608 = 0
Less previous paid (-)					$Rs 6032709 = 00$
					Total = 717453 = 00 833839 = 0
					1 $\frac{04}{18/03/21}$ JE
					$C.P.$ $14.05.21$ $E-E$
					$Balance Allow of Rs. 8,53,131 vide$
					$L.No - 20 Dtd - 13/03/21$

Continuation