

Machhukin Basaha Paschim ke Gram
Narharpur ke Dhole Ghatpar pul Nirmal
Kanga

Schedule XLV-Form No. 134

NABARD

ग्रामीण कार्य विभाग कार्य प्रमोशन डिवीजन DIVISION

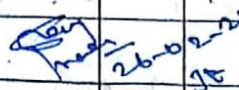
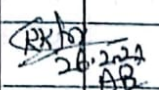
ग्रामीण कार्य विभाग कार्य प्रमोशन डिवीजन SUB-DIVISION

MEASUREMENT BOOK

Ajay Kumar Mandal

15-2326

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record measurement					
for and on A/c Bill					
N/W-Const. of H.L. RCC Bridge Near					
farm of Dhobihat at village					
Narharpur under western madhu.					
bari Basaha Panchayat.					
N/Agency- AScy Kumar mandal					
Agreement No- 07(SBD)/2020-21					
Below - 10 %.					
Dt. of Start. 06/05/2020					
Dt. of comp. 05/05/2021					

(11) Earth work in excavation					
of foundation of structure					
✓ up to 3.0m Ht.					
→ Abutment Pile Cap-A1 side					
$1 \times 9.70m \times 9.70m \times 3.0m =$					$282.270m^3$
					$282.270m^3$
* 3.0m to 6.0m depth					
$1 \times 9.70m \times 9.70m \times 0.240m =$					$22.581m^3$
					$22.581m^3$
 					
(2) providing and laying of					
PCC m-15 levelling course					
→ Abutment pile Cap-A1 side					

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F.		7921.829 kg
TOP bar (along current direction) - 16 mm dia					
		69.110 x 11.5773 m			
		= 798.8337 m @ 1.58 kg/m			1262.157 kg
Around Bar in face 16 mm dia					
		4 x 5.16 x 9.8775 m			
		= 196.350 m @ 1.58 kg/m			310.233 kg
Link bar 12 mm dia					
		35 x 35 x 2.0359 m			
		= 2493.977 m @ 0.89 kg/m			2219.639 kg
					11713.858 kg

(4/10) S/A and placing HYSD bar reinforcement in sub-structure					
Including waste & cutting length					
* Abutment Shaft At Side					
vertical bar Earth face - 20 mm dia					
		45 Nos x 7.6041 m			
		= 342.1845 m @ 2.47 kg/m			845.195 kg
vertical bar river face 16 mm dia					
		56 Nos x 7.6041 m			
		= 425.8296 m @ 1.58 kg/m			672.810 kg
vertical bar in shorter face 20 mm dia					
		2 x 5 Nos x 7.6041 m			
		= 76.041 m @ 2.47 kg/m			187.821 kg
					1705.826 kg
					1.705 MT

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5/5) RCC grade m-30 in Pile					
Cap complete					
* Abutment pile cap. A side					
1 x 8.70m x 8.70m x 1.80m					136.842m ³
					136.842m ³
(6/8) Earth work in excavation					
of foundation of structure					
* UP to 3.0m H.					
* Pier pile cap. P.					
1 x 6.10m x 9.70m x 2.70m					165.084m ³
					165.084m ³
(7/6) providing and laying of					
PCC m-15 levelling course					
* Pier pile cap. P.					
1 x 5.40m x 9.0m x 0.15m					7.290m ³
					7.290m ³
(8/8) S/F and placing un-coated					
Hyd Bar reinforcement					
in foundation.					
Including wastage & lapping length.					
* At Pier pile cap. P.					
Bottom mesh Bar in traffic					
direction - 10mm dia.					
		44 Nos x	5.25m		

Continuation

Continuation

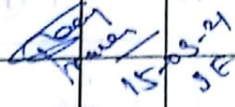
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9/10) S/F and placing Hys D bars reinforcement in sub structure Including wastage & lapping length. * Pier shaft P. vertical bar Rises both face 20mm dia $2 \times 45 \text{ Nos} \times 8.234 \text{ m}$ $= 741.069 \text{ m} @ 2.47 \text{ kg/m} = 1830.440 \text{ kg}$ vertical in short face 20mm dia $2 \times 9 \text{ Nos} \times 8.234 \text{ m}$ $= 148.2138 \text{ m} @ 2.47 \text{ kg/m} = 366.088 \text{ kg}$ 196.528 kg (2.0.100 m)					
(10/5) RCC grade m. 30 in pile cap complete pier pile CAP - $1 \times 5.10 \text{ m} \times 8.7 \text{ m} \times 1.80 \text{ m} = 79.866 \text{ m}^3$ 79.866 m³ 10.8.24 AP					
(11/1) Earth work in excavation of foundation of structure * up to 3.0m Ht. Abutment pile cap A2 side $1 \times 9.70 \text{ m} \times 9.70 \text{ m} \times 2.355 \text{ m} = 268.626 \text{ m}^3$ 268.626 m³					
(12/6) providing and laying of					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
PCC m-15 in levelling course					
* Abutment pile cap A2 side					
1 x 9.0m x 9.0m x 0.150m					12.150 m ³
					12.150 m ³
(13/8) S/F and placing un-					
coated 4mm bar rein-					
forcement in foundation.					
Including waste & lapping length.					
Abutment pile cap A2 side					
Bottom mesh bar traffic					

44 No x 9.030m				
= 397.32m @ 0.62 kg/m =	246.338 kg			
Bottom mesh bar river direc-				
tion - 10 mm dia				
44 No x 9.030m				
= 397.32m @ 0.62 kg/m =	246.338 kg			
Bottom bar (along traffic				
direction - 25 mm dia.				
69 No x 11.5773m				
= 798.8337m @ 3.86 kg/m =	3083.498 kg			
Bottom bar (along current				
direction - 25 mm dia				
69 No x 11.5773m				
= 798.8337m @ 3.86 kg/m =	3083.498 kg			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
TOP bar (along traffic direction)					
16 mm dia					
69 NOS x 11.5773 m					
= 798.8337 m @ 1.58 kg/m =					1262.157 kg
TOP bar (along current direction)					
16 mm dia					
69 NOS x 11.5773 m					
= 798.8337 m @ 1.58 kg/m =					1262.157 kg
Abutment bar in face					
16 mm dia					
4 x 5 NOS x 9.8123 m					
= 196.390 m @ 1.58 kg/m =					310.293 kg
35 x 35 x 2.0359 m					
= 2492.927 m @ 0.89 kg/m =					2219.639 kg
					11713.858 kg
					11.713 m
(14/10) S/R and Placing HYSD					
bar reinforcement in					
Sub-structure					
Including wastage & lapping.					
Abutment Shaft on side					
vertical bar earth face 20					
mm dia					
45 NOS x 7.6041 m					
= 342.1845 m @ 2.47 kg/m =					845.195 kg
					845.195 kg

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F-1	8	45.195 kg
vertical bar river face 16					
mm dia		56 Nos x 7.604/m			
		= 425.8296m @ 1.53 kg/m =			672.810 kg
vertical bar in shorter					
face 20mm dia					
		2 x 5 Nos x 7.604/m			
		= 76.041m @ 2.47 kg/m =			187.821 kg
* Return wall - 4 nos.					
vertical bar earth and					
outer face - 12mm dia					
		= 1626.4144m @ 0.89 kg/m =			1447.508 kg
					3153.334 kg
					3.153 MT
(15/5) RCC grade m-30 in pile					
cap complete					
* Abutment pile cap - A2 side					
		1 x 8.70m x 8.70m x 1.80m =			136.242 m ³
					136.242 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of cost					
for and on A/c Bill					
Ref- vide T.M.B.P. 32 to 40					
and Previous Bill vide					
T.M.B.P. 27 to 31					
dt of Entry- 16-05-21					
(1/1) Earth work in excavation					
of foundation					
4P to 3.0m Ht.					
282.270 m ³ qty vide T.M.B.P. 32					
165.084 m ³ qty vide T.M.B.P. 35					
268.626 m ³ qty vide T.M.B.P. 37					
715.980 m ³ @ 125 = 24/m ³ = 8966.9 m					
* 3.0m to 6.0m depth					
qty vide T.M.B.P. 32					
22.581 m ³ @ 160 = 59/m ³ = 3626 m					
(2/2) Providing and constructing					
Temporary Island					
1 Nos @ 291671 = 84 Each = 291672 m					
(3/4) Boxed cast in situ m ³ s					
grade A.C.C pile					
qty vide T.M.B.P. 27 to 28					
426.0 m @ 17248 = 69/m = 7347942 m					

7732909 = 20

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			6. F	7732	909 =
(4/5) Rcc grade m-30 in					
Pile cap complete					
136.242 m ³ qty vide TMS P-35					
79.866 m ³ qty vide TMS P-37					
136.242 m ³ qty vide TMS P-40					
352.350 m ³ @ 82.05 = 10 / m ³ =					289067 =

(5/6) Providing and laying
of PCC m-15 levelling

12.150 m ³ qty vide TMS P-33					
7.290 m ³ qty vide TMS P-35					
12.150 m ³ qty vide TMS P-38					
31.590 m ³ @ 67.68 = 57 / m ³ =					213819 =

(6/7) Providing steel liner
6 mm thick

qty vide TMS P-25 & 29					
5.316 m ² @ 88.254 16 / m ² =					469519 =

(7/8) S/A and placing cm-

Coated HYSD bar + cm-					
formwork in foundation.					
54.972 m ³ qty (form) vide TMS P-30					
11.713 m ³ qty vide TMS P-34					
4.432					
11.713 m ³ qty vide TMS P-36					
11.713 m ³ qty vide TMS P-39					
82.83 m ³ @ 76.952 = 83 / m ³ =					6374003 =

Continuation

17681.17 =

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Continuation