Madhuban Basaha Paschim ke Gram Nawharpur ke Dhobi Ghat par pul Nirman Karya

Schedule XLV-Form No. 134

NABARD

ग्रामीण कार्य विभाग कार्य प्रमंडल, सासाराम _____ DIVISION

ग्रामीण कार्य विभाग कार्य अवर प्रमंडल, राजपट्टी _____ SUB-DIVISION

MEASUREMENT BOOK

MB-2326

Ajay Kumar Mandal

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Record measurement forwarded on A/c Bill				
N/w- Const. of H.L. RCC Bridge Near farm of Dhabighat at village Narharpur under western madhu. bari Bagaha 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					
(III) Earth work in excavation of foundation of Structure					
* Up to 3.0m Ht.					
→ Abutment Pile Cap-A1 Side					
	1	X 9.70m	X 9.70m	X 3.0m =	282.270m³
					282.270m³
* 3.0m to 6.0m depth					
	1	X 9.70m	X 9.70m	X 0.240m =	22.581m³
					22.581m³
(2/D) Providing and laying of PCC M-15 levelling course					
* Abutment pile Cap-A1 Side					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	1	× 9.0m	× 9.0m	× 0.15m =	12.150 m^3
					12.150 m^3
(3/8) S/F and Placing un-cacked Hys 9 bar reinforcement in foundation. Including wastage & Capping length.					
* Abutment pile cap- Air side					
Bottom bar (along Traffic Direction) - 25 mm dia					
	69 Nos	× 11.5733 m			
=	798.8337 m	@ 3.86 kg/m =			3085.495 kg
tion) -	25 mm dia				
	69 Nos	× 11.5733 m			
=	798.8337 m	@ 3.86 kg/m =			3083.495 kg
Bottom mesh bar traffic Direction - 10 mm dia					
	44 Nos	× 9.030 m			
=	397.32 m	@ 0.62 kg/m =			246.338 kg
Bottom mesh bar river direction - 10 mm dia					
	44 Nos	× 9.030 m			
=	397.32 m	@ 0.62 kg/m =			246.338 kg
Top bar (along traffic Direction) - 16 mm dia					
	69 Nos	× 11.5733 m			
=	798.8337 m	@ 1.58 kg/m =			1262.157 kg
		C/o			7921.829 kg

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		B/F			7921.829 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
All round Bar in face 16 mm dia					
	4 x 5 Nos x 9.8175 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/F and Placing HYSD bar reinforcement in Sub Structure Including wastage & Cutting Length.

* Abutment Shaft A1 Side

Vertical bar Earth face 20 mm dia	45 Nos x 7.604 m				
=	342.1845 m @ 2.47 kg/m =				845.195 kg
Vertical bar river face 16 mm dia	56 Nos x 7.604 m				
=	425.8296 m @ 1.58 kg/m =				672.810 kg
Vertical bar in Shorter face 20 mm dia	2 x 5 Nos x 7.604 m				
=	76.04 m @ 2.47 kg/m =				187.821 kg
					1705.826 kg
					= 1.705 MT

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(5/5) RCC grade M-30 in Pile Cap complete.					
* Abutment Pile Cap. A1 side					
	1 X	8.70m	X 8.70m	X 1.80m =	136.242m³
					136.242m³
(6/8) Earth work in excavation of foundation of structure					
* UP to 3.0m Ht.					
* Pier pile cap. P1					
	1 X	6.10m	X 9.70m	X 2.790m =	165.084m³
					165.084m³
(7/6) providing and laying of PCC M-15 levelling course					
* Pier pile cap. P1					
	1 X	5.40m	X 9.0m	X 0.150m =	7.290m³
					7.290m³
(8/8) S/F and placing un-coated HysD bar reinforcement in foundation. Including wastage & cutting length.					
* Ab Pier Pile Cap. P1					
Bottom mesh Bar in traffic direction-16mm dia.					
	44 Nos	X 5.25m			

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
= 231.00m @ 0.62 kg/m =					143.220 kg
Bottom mesh bar river direction. 10mm dia					
25 Nos x 9.03m					
= 225.75m @ 0.62 kg/m =					139.965 kg
Bottom bar (along traffic direction) - 20mm dia					
69 Nos x 8.0073m					
= 552.5037m @ 2.47 kg/m =					1364.684 kg
Bottom Bar (along current direction) - 20mm dia					
= 471.492m @ 2.47 kg/m =					1164.585 kg
Around bar in face 16mm dia	2 x 5Nos	x 6.0375m			
= 60.375m @ 1.58 kg/m =					95.392 kg
Around bar in face 16mm dia	2 x 5Nos	x 9.8175m			
= 98.175m @ 1.58 kg/m =					155.116 kg
Link bar. 12mm dia					
756 Nos x 2.0359m					
= 1539.1404m @ 0.89 kg/m =					1369.834 kg
					4432.796 kg
					≈ 4.432 MT

8-03-22

BK/SY 8.3.22 AB

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(3/D) S/F and placing HYSD bar reinforcement in sub structure including wastage & lapping length.					
* Pier shaft P. - vertical bar Rivers both face 20mm dia	2 × 45 Nos × 8.234 m				
= 741.069m @ 2.47 kg/m =					1830.440 kg
vertical in short face 20mm dia	2 × 9 Nos × 8.234 m				
= 148.213 8m @ 2.47 kg/m =					366.088 kg
					= 196.528 kg
					[illegible]
(10/5) RCC grade M-30 in pile cap complete.					
pier pile cap -	1 × 5.10m × 8.70m × 1.80m =				79.866 m³
					79.866 m³
(11/1) Earth work in excavation of foundation of structure * up to 3.0m Ht.					
Abutment pile cap A2 side					
	1 × 9.70m × 9.70m × 2.855m =				268.626 m³
					268.626 m³
(A9/6) providing and laying of					

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
PCC m-15 in levelling course					
* Abutment pile cap-A2 side					
1 × 9.0m × 9.0m × 0.150m =					12.150 m³
					12.150 m³
(13/8) S/F and placing un-coated HYSD bar reinforcement in foundation. Including wastage & lapping length.					
Abutment pile cap-A2 side					
Bottom mesh bar traffic direction ... m dia					
44 Nos × 9.030m					
= 397.32m @ 0.62 kg/m =					246.338 kg
Bottom mesh bar river direction- 10 mm dia					
44 Nos × 9.030m					
= 397.32m @ 0.62 kg/m =					246.338 kg
Bottom bar along traffic direction- 25 mm dia.					
69 Nos × 11.5773m					
= 798.8337m @ 3.86 kg/m =					3083.498 kg
Bottom bar along current direction- 25 mm dia					
69 Nos × 11.5773m					
= 798.8337m @ 3.86 kg/m =					3083.498 kg

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
TOP bar (along traffic Direction- 16 mm dia					
	69 NOS × 11.5773 m				
= 798.8337 m @ 1.58 kg/m =					1262.157 kg
TOP bar (along current direction) - 16 mm dia					
	69 NOS × 11.5773 m				
= 798.8337 m @ 1.58 kg/m =					1262.157 kg
Alround bar in face 16mm dia					
	4 × 5 NOS × 9.8175 m				
= 196.35 m @ 1.58 kg/m =					310.233 kg
	35 × 35 × 2.0359 m				
= 2493.977 m @ 0.89 kg/m =					2219.639 kg
					11713.858 kg
					≈ 11.713 MT
(14/10) S/F and Placing HYSD bar reinforcement in Sub. Structure Including wastage & lapping. Abutment Shaft A2 side vertical bar Earth face 20 mm dia	45 NOS × 7.604 m				
= 342.1845 m @ 2.47 kg/m =					845.195 kg
					845.195 kg

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B.F—		845.195 Kg
vertical bar river face 16 mm dia	56 Nos	× 7.604/m			
= 425.8296m @ 1.58 Kg/m =					672.810 Kg
vertical bar in Shorter face 20mm dia					
	2 × 5 Nos	× 7.604/m			
= 76.04/m @ 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

15-03-24 JE

15.3.24 AE

(15/5) RCC grade M-30 in Pile Cap complete

* Abutment pile cap A2 side

1 × 8.70m × 8.70m × 1.80m = 136.242 m³

136.242 m³

16-03-24 JE

16.3.24 AE

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Abstract of cost for 2nd on A/c Bill				
Ref- vide TMB P. 32 to 40 and Previous Bill vide TMB P. 27 to 31					
Dt. of Entry- 16-03-21					
(1/1) Earth work in excavation of Foundation					
- Up to 3.0m Ht.					
282.270 m³ qty vide TMB P-32					
165.084 m³ qty vide TMB P-35					
268.626 m³ qty vide TMB P-37					
715.980 m³ @ 125=24/m³ =					89669=00
* 3.0m to 6.0m depth qty vide TMB P-32					
23.581 m³ @ 160=59/m³ =					3626=00
(2/2) Providing and constructing Temporary Island					
1 Nos @ 291671=84 Each =					291672=00
(3/4) Bored cast in Situ M35 grade R.C.C pile qty vide TMB P-27to28					
4260m @ 17248=69/m =					7347942=00
					7732909=00

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		B.F →			7732.909 m³
(4/5) RCC grade M-30 in pile cap complete					
136.242 m³ qty vide TMS P-35					
79.866 m³ qty vide TMS P-37					
136.242 m³ qty vide TMS P-40					
352.350 m³ @ 8205=10/m³ =					2891067 m³
(5/6) Providing and laying of PCC M-15 leveling					
12.150 m³ qty vide TMS P-33					
7.290 m³ qty vide TMS P-35					
12.150 m³ qty vide TMS P-38					
31.590 m³ @ 6768=59/m³ →					= 213819 m³
(6/7) Providing steel liner 6 mm thick qty vide TMS P-28 to 29					
5.316 MT @ 88284=16/MT =					469319 m³
(7/8) S/F and placing cut-cocked HYSD bars reinforcement in foundation.					
54.972 MT qty (from) vide TMS P-30					
11.713 MT qty vide TMS P-34					
4.432 MT qty vide TMS P-36					
11.713 MT qty vide TMS P-39					= 6374003 m³
82.83 MT @ 76952=83/MT					

Continuation → 17681.119 m³

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		B.F.		1.76	81,117=00
(8/10) S/F and placing HYSD bar reinforcement in Sub-Structure					
1.705 MT @ty vide TMB P-34					
2.196 MT @ty vide TMB P-37					
3.153 MT @ty vide TMB P-40					
7.054 MT @77102= 31/MT = 543880=00					
					1,82,24,997=00
i) Less 10% below as per Agreement					18225 00=00
					1,64,02,497=00
ii) Less previous payment vide TMB P.					1,11,05,266=00
					52,97,231=00

16-03-21 JE

RK 16.3.21 AE

material statement

i) Stone chips - 345.55 m³

ii) coarse sand = 172.77 m³

16-03-21 JE

RK 16.3.21 AE

Continuation