PMGSY M.B - DRP 574

PMGSY NDB BRICKS

Schedule XLV-Form No. 134

नरकटियागंज मुख्यालय पटना रोड से चुनाली तक

कार्यपालक अभियंता **DIVISION**

ग्रामीण कार्य विभाग, कार्य प्रमण्डल

नरकटियागंज

M.B.N. 1734/23-24

SUB-DIVISION

जोगापट्टी

MEASUREMENT BOOK

मे० त्रिमूर्ति इं० सि० कं०

1734

2nd on A/c bill

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Sch.XLV-Form No. 134

Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
Name of work- Const^{n} of road from Narkatiyaganj Mahuwa Parsa road to Dhanli under PMGSY(Bihar)					
Agency- M/s Preetika Construction					
Agreement No- 21/SBT/2023-24					
Agreement Value- 4,53,25,499=00					
Const^{n} cost - Rs- 4,12,22,242=00					
Maint. Cost - Rs 41,03,257=00					
Date of Start - 11/12/2023					
Date of Completion - 10/12/2024					
Const^{n} of Ree Boxculvert					
1 Nos => 4.00m x 2.40m					
① E/w in excavation for structure					
Box culvert					
1 X 7.50 X 5.90 X 0.75 =					33.188m^3
cut off wall:-					
2 X 5.90 X 1.30 X 1.80 =					27.612m^3
Return wall:-					
4 X 3.90 X 3.46 X 1.80 =					87.192m^3
					147.992m^3
② Prov^{n} Ree M10 in foundn					
Box culvert:-					
1 X 7.50 X 4.90 X 0.10 =					3.675m^3
Return wall:-					
4 X 3.50 X 2.46 X 0.20 =					6.888m^3
					10.563m^3

Continuation

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Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
③ Boxes Rec walls in foundn					
R/w. 4	X 3.10	X 2.06	X 0.20 =		5.109 m³
4	X 3.10	X 1.96	X 0.20 =		4.861 m³
4	X 3.10	X 1.86	X 0.20 =		4.613 m³
4	X 3.10	X 1.76	X 0.20 =		4.365 m³
4	X 3.10	X 1.66	X 0.20 =		4.117 m³
4	X 3.10	X 1.56	X 0.20 =		3.869 m³
4	X 3.10	X 1.46	X 0.20 =		3.621 m³
4	X 3.10	X 1.36	X 0.20 =		3.373 m³
c/w- 2	X 4.90	X 0.30	X 1.50 =		4.410 m³
					38.338 m³
④ Prop. Rec walls in sub structure					
4	X 3.10	X 0.88	X 2.05 =		22.371 m³

Record Entry

① S/F/F HYSD bars in sub structure

Bottom slab - 12mm ϕ

2 X 59 X 5.10 = 601.60 m

@ 0.89 kg/m — 535.60 kg

10mm ϕ bar :-

2 X 47 X 7.75 = 728.50 m

@ 0.62 kg/m — 451.67 kg

Side wall -

16mm ϕ bar

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Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
2 x	51	x 3.60 =	367.20 m		
2 x	53	x 3.80 =	402.80 m		
			770.00 m		
	@ 1.58 kg/m				1216.60 kg
10 mm ϕ bar:-					
2 x 2 x 21		x 7.85 =	659.4 m		
overlap	37	x 1.50 =	55.50 m		
			714.90 m		
@ 0.62 kg/m					443.24 kg
10 mm ϕ bar:-					
4 x	2 x 9	x 4.40 =	316.8 m		
4 x	2 x 6	x 3.94 =	189.12 m		
Hynch	4 x 26	x 0.90 =	93.60 m		
			599.52 m		
@	0.62 kg/m				371.70 kg
					3018.81 kg
					= 3.019 MT

Record Entry

① From Rec 1125 on sub structure

Bottom slab:-

1 x	7.50	x 4.90 x 0.35 =		12.86 m³
Side wall:-				
2 x	7.50	x 2 x 0.45 =		13.50 m³
Hynch 4	x 7.50	x 0.01 =		0.30 m³
				26.66 m³

Continuation

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Particulars	Details of actual measure No.	L.	B.	D	Contents of area
② Prov weep hole					
2 X (5 X 2 + 4 X 2) =					36 Rm
③ Prov and laying filter media.					
Behind box cell wall					
2 X	4.78	X 0.60	X 2.35 =		13.480 M³
Behind R/W =					
4 X	3.10	X 0.60	X 2.05 =		15.252 M³
					28.732 M³
④ Prov back filling					
2 X	3.10	X 4.78	X 2.05 =		60.754 M³
Less filter media				(-)	28.732 M³
					32.022 M³
⑤ Prov Rec fills in sub structure					
overlap 4	X 3.10	X 0.40	X 0.15 =		0.744 M³

Abstract of cost

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Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
① Constn of benchmark					
Q-VTMBP12① = 3.037 Km					
@ Rs 5760.81/Km – Rs-					17496=00
② Constn of Ref Pillar					
Q-VTMBP12② = 3.037 Km					
@ Rs 2699.10/Km – Rs-					8197=00
③ Clearing and grubbing road land					
Q-VTMBP12③ = 0.910 hect					
@ Rs. 72697=86/hect Rs-					66155=00
④ Excavation for roadway					
Q-VTMBP12④ = 54.29 m³					
@ Rs- 179.66/m³ – Rs-					9754=00
⑤ Constn of embankment with materials of land					
Q-VTMBP12⑤ = 38.00 m³					
@ Rs- 69.45/m³ – Rs-					2639=00
⑥ Constn of embankment load up to 1000 m					
Q-VTMBP12⑥ = 594.32 m³					
@ Rs. 259.90/m³ – Rs-					154464=00
⑦ Constn of embankment load up to 100 m					
Q-VTMBP12⑦ = 148.58 m³					
@ Rs- 184.51/m³ – Rs-					27414=00
⑧ Constn of subgrade and earthen shoulder					
Continuation					2,86,119=00

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Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
Q VTHB P12(8) = 4158.00 m³					
P31(D) = 1664.00 m³					
5822.00 m³					
@ Rs 269.44/m³ — Rs. 1533748=00					
(9) Provn Excavation subbase grading I					
Q VTHB P13(9) = 1737.19 m³					
P31(D) = 583.20 m³					
2320.39 m³					
@ Rs. 5160.30/m³ — Rs. 11973909=00					
(10) Provn laying, spreading and compacting easy grade 3					
Q VTHB P31(D) = 703.10 m³					
@ Rs. 6772.80/m³ Rs. 4761956=00					
(11/14) E/w in excavation of structure					
Q VTHB P13(10) = 147.992 m³					
P20(1) = 147.992 m³					
P20(1) = 223.08 m³					
519.064 m³					
@ Rs. 410.66/m³ — Rs. 213159=00					
(12/15) Provn Rec RJO in foundn					
Q VTHB P13(11) = 10.563 m³					
P25(2) = 15.80 m³					
P20(2) = 10.563 m³					
36.926 m³					
@ Rs 10162.28/m³ - Rs. 375252=00					
Continuation					19144143=00

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Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
(13/16) Provn Pcc 1:1:5 in foundn					
@ VTMBP 13 (12) = 38.338 M³					
P21 (3) = 38.338 M³					
P25 (3) = 66.48 M³					
		143.156 M³			
@ Rs. 9604.67/M³ — Rs. 13,74,966=00					
(14/17) Provn Pcc 1:1:5 in sub structure					
@ VTMBP 13 (13) = 23.114 M³					
P21 (4) = 22.37 M³					
P26 (4) = 38.35 M³					
		83.834 M³			
@ Rs. 9895.76/M³ — Rs. 8,29,601=00					
(15/18) Provn Pcc 1:2:5 in super structure					
@ VTMBP 13 (9) = 13.53 M³					
P24 (5) = 13.53 M³					
		27.06 M³			
@ Rs. 12,013.03/M³ — Rs. 3,25,884=00					
(16/19) S/F/FHYSD bars in super structure					
@ VTMBP 14 (15) = 1.353 MT					
P24 (1) = 1.353 MT					
P28 (1) = 0.818 MT					
		3.524 MT			
@ Rs. 90025.08/MT Rs. 3,17,248=00					
(17/20) Provn back filling all c/sec					
Continuation					2,19,91,842=00

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Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
@-VTTB	P14(6) = 32.022 m³				
	P23(4) = 32.022 m³				
	P28(9) = 37.011 m³				
		101.054 m³			
@ Rs. 957.11/m³ — Rs.					96,720=00
(18/21) Provn weep holes					
@-VTTB	P14(8) = 36 Nos				
	P23(2) = 36 Nos				
	P28(2) = 64 Nos				
		136 Nos			
@ Rs. 158.47/each — Rs.					21552=00
(19/22) Provn Rcc M25 in sub structure					
@-VTTB	P14(8) = 26.66 m³				
	P22(1) = 26.66 m³				
	P27(3) = 19.98 m³				
		73.30 m³			
@ Rs. 11214.95/m³ Rs.					822056=00
(20/23) S/F/F HYSD bars in sub structure					
@-VTTB	P14(9) = 3.019 MT				
	P21(1) = 3.019 MT				
	P26(1) = 2.358 MT				
		8.396 MT			
@ Rs. 86032.46/MT Rs.					722329=00
(21/24) Provn laying filter media					
@-VTTB	P14(6) = 28.732 m³				
	P23(3) = 28.732 m³				
	P28(3) = 39.971 m³				
		97.434 m³			

Continuation

← 2365,499=00

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Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
(28/32) Provn and laying 1600mm ϕ RCC Pipe NB					
Q-VIIIB/P30(4) = 15.00M					
@ Rs. 7853.05/M				Rs.	1,17,796=00
(29/33) Prov Rcc M20 in found					
Q-VIIIB/P30(3) = 5.23M					
Limited 5.22M					
@ Rs 10039.20/M³				Rs.	52666=00
(30/34) Provn back filling					
Q-VIIIB/P30(5) = 67.30 M³					
Limited 66.78M³					
@ Rs 906.29/M³				Rs.	60522=00
(31/35) Brick masonry work in cm(1:3) in Parapet					
Q-VIIIB/P30(7) = 5.95M³					
@ Rs 717.79/M³				Rs.	4267=00
(32/36) Plastering with cm(1:4) on brick work					
Q-VIIIB/P30(8) = 66.40M²					
@ Rs 265.10/M²				Rs	17603=00
(33/37) Provn Grich Post					
Q-VIIIB/P30(6) = 16 Nos					
@ Rs. 745.83/each				Rs.	11933=00
(34/38) Dismantling of Rcc					
Q-VIIIB/P15(23) = 7.90M³					
@ Rs. 658.99/M³				Rs.	5206=00
(35/39) Dismantling of Rcc					
Q-VIIIB/P15(29) = 2.52M³					
@ Rs. 1649.22/M³				Rs	4156=00
Continuation					2,53,64,958=00

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Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
(36/40) Dismantling of brick masonry					
@ VTDB Pls (65) = 200.65 M					
@ Rs. 467.35/M					Rs 93774=00
(37/41) Removing of H.P. 600 to 900					
@ VTDB Pls (60) = 15.00 M					
@ Rs. 336.35/M					Rs 5045=00
(38/42) Removing of H.P. 90 mm					
@ VTDB Pls (15) = 60.00 M					
@ Rs. 194.00/M					Rs 11640=00
(39/43) Prov and fixing masonry					
information sign board					
@ VTDB Pls (60) = 2 Nos					
@ Rs. 15799.77/each					Rs 31600=00
				Rs	2,55,07,017=00
Add 1% Labour cess (+)					2,55,070=00
Add 18% GST (+)					45,91,263=00
Add 10% seigniorage fee (+) CPIs. 181766 + 191-190564=6)					37,2330=00
				Rs	3,07,25,680=00
Less 2.58% below (-)				Rs	7,92,723=00
				Rs	2,99,32,957=00
Less Rev. Pay (-)				Rs	1,43,47,668=00
				Rs.	1,55,85,289=00

Ikumar
28-02-2024
(JE)

28/02/24
AE

Continuation