Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
3rd on A/c Bill					

Name of work:- Constn of Road from Bankatwa Inerwa Phulwar to Inerwa Phulwar Anusuchit jati tola Under MMGSY NDB Brics

Package No - MMGSY NDB BRRP 105 Sikharna Dhaka

Agency - M/s Uttar Bihar construction Co. Sports club road Chhatauni Motihari

Agreement no - 28 SSD/2019-20

Date of work order - 28/11/2019

Date of Completion as per Agreement - 27/11/2020

Date of Measurement - 28/12/2020

(1) Construction of granular Sub. base by providing graded material					
Qty. as per Page 20					= 553.39 m³
Deduction					
71.0m x 4.05m x 0.200m					(-) 57.51 m³
					495.88 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2)	Providing & laying Prime coat- with bitumen emulsion SS1				
5 x 30.0m	x	3.75m	=	562.50m²	
5 x 30.0m	x	3.75m	=	562.50m²	
2 x 30.0m	x	3.75m	=	225.0m²	
28.0m x	(3.75+4.80+3.75)/3		=	114.80m²	
45.0m	x	3.75m	=	168.75m²	
27.0m x	(3.75+4.30+3.75)/3		=	106.20m²	
	5 x	30.0m x	3.75m	= 562.50m²	
				= 2302.25m²	

28/12/2020

28/12/2020

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
04/01/2021					
① Providing & laying tack Coat with Emulsion RS,					
Area same as Prime coat					=2302.25m²
② Providing & laying 20mm Mig Seal Surfacing					
Area same as tack coat					= 2302.25m²
04/01/2021 J.E			04/01/2021 AE		

10/01/2021					
① Providing & fixing of R.C.C M15 grade					
Kunstone — 2 Nos					
200m stone — 6 Nos					
Boundary Pillar - 31 Nos					
② Painting on concrete Surface (culvert wall)					
2 × 18.30m × 0.400 m					= 14.64m²
2 × 18.30m × 0.600m					= 21.96m²
2 × 2 × 0.400 × 0.600					= 0.96m²
					= 37.56m²
				less	33.48m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(3) Painting on Concrete surface (P.C.C surface)					
2 × (50.074 + 5.10m)		× 0.100m			= 19.0m²
2 × 7 × 50.0m		× 0.100m			= 70.0m²
2 × 11.0m		× 0.100m			= 2.2m²
2 × 6 × 50.0m		× 0.100m			= 60.0m²
2 × 22.60m		× 0.100m			= 4.52m²
					= 155.72m²
(4) Road Marking					
B.T Portion					
2 × 12	× 50.0m	× 0.100m			= 120.0m²
2 × 10.0m		× 0.100m			= 2.0m²
P.C.C (side P2)					= 155.72m²
					= 277.72m²
(5) Providing & fixing of Maintenance Board					2 Nos
(6) Providing & fixing of Retro reflectorised Cautionary Board					
600mm △					— 14 Nos
600 ○					— 8 Nos
600mm × 450mm □					— 2 Nos
900mm Octagon					— 2 Nos.

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) Construction of embankment					
	From	Leads			
CH m	C/S area m^2	Mean C/S area m^2		Length m	Quantity m^3
0	1.608	—		—	—
50	1.386	1.497		50	74.85
100	1.447	1.417		50	70.825
150	1.336	1.392		50	69.575
200	1.167	1.252		50	62.575
250	1.269	1.218		50	60.90
300	1.472	1.371		50	68.525
350	1.285	1.379		50	68.925
400	1.228	1.257		50	62.825
450	1.11	1.169		50	58.45
500	1.502	1.306		50	65.30
550	1.182	1.342		50	67.10
600	1.224	1.203		50	60.15
650	1.335	1.28		50	63.975
700	1.42	1.378		50	68.875
750	1.231	1.326		50	66.275
800	1.458	1.345		50	67.225
850	4.208	2.833		50	141.65
900	2.963	3.586		50	179.275
950	2.696	2.83		50	141.475
1000	3.417	3.057		50	152.825
1050	3.812	3.615		50	180.725

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				Pof	
1100	3.045	3.429		50	171.425
1150	6.931	4.988		50	249.40
1200	7.859	7.395		50	369.75
1250	9.247	8.553		50	427.65
1300	9.549	9.398		50	469.90
1350	10.564	10.057		50	502.825
1400	11.944	11.254		50	562.70
1450	7.898	9.921		50	496.05
1485	8.028	7.963		35	278.705
					~~4966.19~~ m^3 5380.70

Deduction

Gabb side		P_{24}		(-)	495.88 m^3
WBM Gr III		P_{20}		(-)	388.24
PCC M_{25}		P_{20}		(-)	470.77 m^3
M.S.S	P_{26}	2302.25	× 0.02	(-)	46.04 m^3
Subgrade		P_{19}		(-)	862.65 m^3
				= 3117.12 m^3	
Subgrade & Shoulder (Embankment)				= (-) 1025.0 m^3	
				= 2092.12 m^3	
Lead up to 1000 m					
2092.12 m^3	× 0.3 m			= 627.63 m^3	
less Paid		P_{19}		(-) 450.50 m^3	
				177.13 m^3	

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Lead up to 100 m					
2092.12m³ x 0.70				= 1464.48m³	
Paid Pg				(-) 1051.18m³	
				= 413.30m³	
10/01/21 JE	Gobel 10/01/2021 DE				

Abstract of Cost

(1) 3 Constn of Ref. Pillar/Bunjee 1.556 Km vide Tnrs Pg

@ 10536=21 16,394=00

(2) Clearing & grubbing of madland including uprooting & disposal

0.4698 Hect vide Tnrs Pg

@ 49214=52 23,135=-

(3)/5 Constn of embankment lead up to 1000 m

450.0m³ vide Tnrs Pg

117.13m³ vide Tnrs

627.63m³ @ 187=87

Continuation 29

1,17,913=00

1,57,442=00

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			Bf	1,57,	442=00
(4) 6	Consts of Subgrade & earthen Shoulder cis by leading up to 1000m				
862.65m³	side Tms P19				
1025.0m³	side Tms P29				
1887.65m³	@ 189=77			3,58,	219=00
(5) 7	Consts of embankment leading up to 1000m				
1051.18m³	side Tms P19				
413.30m³	side Tms P30				
1464.48m³	@ 143=00			2,09,	421=00
(6) 8	Borg cutting				
87.50m³	side Tms P20				
	@ 81=99				7174=00
(7) 10	Consts of granular Sub base by providing grading I material				
495.88m³	side Tms P24				
	@ 2824=91			14,00,	816=00
(8) 11	Providing, laying, spreading & Compacting wbm Gr III				
388.24m³	side Tms P20				
	@ 3528=84			13,	70,037=00
					35,03,109=00

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			BF	35,03,109=00	
(9)/12	Providing & laying Prime Coat with emulsion SS1				
2302.25m² wide TMS P25					
	@ 49=81			1,14,675=00	
(10)/13	Providing & laying tack coat with emulsion RS1				
2302.25m² wide TMS P25					
	@ 16=70				38,748=00
(11)/14	Providing & laying 20mm Mix seal surfacing				
2302.25m² wide TMS P26					
	@ 238=20			5,48,396=00	
(12)/15	Constn of un-reinf. P.C.C Pavement of M25 grade				
470.77m³ wide TMS P20					
	@ 7570=88			35,64,113=00	
(13)/18	R.C.C M15 grade Km stone				
2 Nos	@ 2566=01			5132=00	
(14)/19	200m stone				
6 Nos	@ 685=96			41 16=00	
				Continuation	77,78,019=00

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			BF	77,78,	019=00
(15) 20	Boundary Pillar				
31 Nos vide TMB P26					
	ⓐ	536=71		16,638=00	
(16) 21	Painting 2 coat on new Concrete surface (Culvert)				
33.48m² vide TMB P26					
	ⓐ	108=50		3633=00	
(17) 22	Painting on concrete surface (P.C.C) Pavement				
155.72m² vide TMB P27					
	ⓐ	102=88			16020=00
(18) 23	Road Marking				
277.72m² vide TMB P27					
	ⓐ	851=79		2,36,559=00	
(19) 25	Providing & fixing of Informatory Board				
2 Nos vide TMB P21					
	ⓐ	11383=74		22,767=00	
(20) 26	Providing & fixing of Maintenance Board				
2 Nos vide TMB P27					
	ⓐ	11383=74		22,767=00	
					80,96,403=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			Bf	80,96,403=00	
(21) 28	Providing & fixing of Retro reflector steel Cautionary Board vide TMS P27 600mm △				
14 Nos	@ 3897=00			54,558=00	
(21/29)	600mm ○				
8 Nos	@ 5274=75			42,198=00	
(22) 30	600mm x 450mm □				
2 Nos	@ 4544=00			9088=00	
(23) 31	900mm Octagon				
2 Nos	@ 8692=75			17,386=00	
(24) 41	E/W excavation in foundn trenches				
112.86m³	vide TMS P21				
	@ 258=89			29,218=00	
(25) 42	Sand filling in foundn trenches				
8.584m³	vide TMS P21				
	@ 429=79			3688=00	
(26) 43	B/Flat soling in foundn trenches				
84.12m²	vide TMS P21				
	@ 291=73			24,500=00	

Continuation

82,77,039=00

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B/f	82,77,039=00	
(27) 50	Providing P.C.C M15 grade in foundn				
18.51 m³	vide TMS P21				
	@ 626)=73			1,16,016=00	
(28) 51	Brick Masonary work in Headwall				
79.53m³	vide TMS P22				
	@ 5923=78			4,71,118=00	
(29) 52	Providing & laying 1.0m dia RCC Pipe NP3				
22.50m	vide TMS P22				
	@ 4303=18			96,820=00	
(30) 53	Plastering in CM (1:4) on Wall				
104.43m²	vide TMS P22				
	@ 192=35			20,087=00	
(31) 54	Providing Cement Pointing on wall				
39.78m²	vide TMS P22				
	@ 59=67			2374=00	
				89,83,454=00	
0.05% below as per Agreement				@	4492=00

Continuation

Rs 89,78,962=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		B/f	89,78,962=00		
Less Paid up to 2nd A/c Bill vide Trms P2		(-)	77,25,591=00		
		Rs	12,53,371=00		
10/01/2021 J.E		10/01/2024 AE		SE 21/03/2021	

Material Statement

(1) Earth work —

(2) Emulsion SS, — 1.195 mt

(3) Emulsion RS, — 0.634 mt

(4) Bitumen — 4.375 mt

Emulsion & bitumen supplied by Agency

Emulsion SS,	— 2.20 mt	15/11/2020
Emulsion RS,	— 0.800 mt	
Bitumen	— 4.992 mt	31/12/2020

10/01/2021 J.E