1

Name of Work–
Situation of Work–
Agency by which work is executed–
Date of Measurement–
No. and date of agreement

(These four lines should be repeated at the commencement of the measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1St on A/C Bill				
Name of work:- Construction of road from Jagirahan Agarwa Sadak to Agarwa Jatwa Tola ward No-01 & 02 under MMGSY NDB BRICS					
Package No-MMGSY-NDB BRRP					
	105 Sikharna Dhaka				
Agency - M/s Utkarsh Bihar Construction Co. Sports club road Chhatauni Motiharee. East Champaran					
Date of work order - 28/11/2019					
Date of completion as per Agreement - 27/11/2020					
Date of measurement - 23/09/2020					
(1) Providing & fixing of Informating Board					2 Nos

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) Construction of RCC Pillar/Burjee					
				0.889 Kms	
(3) Clearing & grubbing of roadland including uprooting veg					
	2	× 1000.0m	× 1.50m	=	1500.0m²
	2	× 700.0m	× 1.50m	=	1050.0m²
	2	× 39.0m	× 1.50m	=	117.0m²
				=	2667.0m²
				=	0.2667 Hect.

23/09/2020
J.E

23/09/2020
AE

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
14/10/2020					
(1) E/w excavation in foundn trenches					
1.0m dia H.P culvert.					
2 × 6.45m	×	1.550m	×	1.625m	= 33.49 m³
5.8m	×	1.53m	×	0.54m	= 4.13 m³
					37.62 m³
(2) Sand filling in foundn trenches					
2 × 6.45m	×	1.55m	×	0.100m	= 2.0m³
5.593m	×	1.53m	×	0.1m	= 0.85m³
					= 2.85 m³
(3) R/Flat soling in foundn trenches					
2 × 6.45m	×	1.55m			= 19.99 m²
5.653m	×	1.53m			= 8.64 m²
					28.63 m²
(4) Providing P.C.C M15 in foundn trenches					
2 × 6.30m	×	1.40m	×	0.150m	= 2.64m³
(5) Brick masonary work in C.M(1:4) in Headwall					
2 × 6.15m	×	$\frac{1.25m + 0.85}{2}$	×	1.35m	= 17.43 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Lead up to 100m					
1355.93m³		× 0.300		= 406.78m³	
lead up to 100m					
1355.93m³		× 0.70		= 949.15m³	
(1) Box cutting					
pcc portion					
2	× 10	× 25.0m	× 0.375m	× 0.100	= 18.75m³
2	× 8	× 25.0m	× 0.375	× 0.1m	= ~~18.75m³~~ 15.0
					= 33.75m³
B.T					
2	× 5	× 30.0m	× 0.525	× 0.100m	= 15.75m³
2	× 2	× 30.0m	× 0.525	× 0.100	= 6.30m³
2	× 1	× 10.0m	× 0.525m	× 0.100	= 1.05m³
2	× 7	× 30.0m	× 0.525	× 0.100	= 22.05m³
2	× 9.0m		× 0.525	× 0.100	= 0.95m³
					46.10m³
			Total	=	79.85m³

14/10/2020
J.E

14/10/2020
AE

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(3) Brick Masonary work in Headwall)					
$2 \times 6.15m \times \frac{0.85+0.40m}{2} \times 1.115m = 8.57m^3$					
Parapet wall)					
$2 \times 6.15m \times 0.400 \times 0.55m = 2.70m^3$					
Deduction					
$2 \times 22/7 \times (1.23)^2 \times \frac{0.85+0.40m}{2} = (-)1.49m^3$					
					$= 9.78m^3$
(4) Providing & laying 1.0m dia H.P NP3					
			$3 \times 2.50m$		$= 7.50m$
(5) Plastering on wall					
$2 \times 6.15m \times 1.35m$					$= 16.60m^2$
$2 \times 6.15m \times 0.55m$					$= 6.76m^2$
$2 \times 6.15m \times 0.400m$					$= 4.92$
$4 \times \frac{0.85+0.40}{2} \times 0.500m$					$= 1.25m^2$
$4 \times 0.40 \times 0.55$					$= 0.88m^2$
					$= 30.41m^2$
Deduction					
$2 \times 22/7 \times (1.23)^2$					$= (-) 2.37m^2$
					$= 28.04m^2$
(6) Providing Cement Punning					
$2 \times 6.15m \times 0.400m$					$= 4.92m^2$
$4 \times 0.40 \times 0.55$					$= 0.88m^2$
$2 \times 6.15m \times 0.55m$					$= 6.76m^2$
Continuation					$12.56m^2$

26/11/2020 J.E

Gopal 26/11/2020 JE

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
14/12/2020					
(1) Providing, laying, spreading & compacting WBM					
Gr III					
PCC					
18.0m × (6.0+3.75)/2				× 0.075m =	6.58m³
6×30.0m × 3.75m				× 0.075m =	50.62m³
27.0m × 3.75m				× 0.075m =	7.59m³
B.T					
4×50.0m × 3.75m				× 0.075m =	56.25m³
20.0m × 3.75m				× 0.075m =	5.62m³
PCC					
12.0m × 3.75m				× 0.075m =	3.37m³
22.0m × (3.75+5.0m+3.75)/3				× 0.075m =	6.87m³
30.0m × 3.75m				× 0.075m =	8.43m³
19.0m × (3.75+4.50+3.75)/3				× 0.075m =	5.70m³
4×30.0m × 3.75m				× 0.075m =	33.75m³
22.0m × 3.75m				× 0.075m =	6.18m³
B.T					
4×30.0m × 3.75m				× 0.075m =	33.75m³
3×30.0m × 3.75m				× 0.075 =	25.31m³
9.0m × 3.75m				× 0.075m =	2.53m³
				Total =	252.55m³ 252.53m³
14/12/2020 J.E			14/12/2020		

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B/F =	262.03 m³
22.0m	x 3.75m	x 0.160m		=	13.20m³
					275.23m³
				Say	272.70m³

01/01/2021 JE

Gopal, 01/01/2021 DE

04/01/2021

(1) Providing & laying tack coat with Emulsion RS,

Area same as Prime coat = 1662.71m²

(2) Providing & Rolling 20mm Mix Seal surfacing

Area same as tack coat = 1662.71m²

04/01/2021 J.E

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1				Bf	3246.06m³
Deduction					
Gabb side	P6			(-)	278.99m³
WBM Gr III	P8			(-)	252.53m³
PCC M25	P10			(-)	272.70
M.S.S	P10	1662.71	x0.02	(-)	33.25m³
					2408.59m³
Subgrade & Shoulder				(-)	560.0m³
					1848.59m³
lead up to 1000m					
1848.59m³ x 0.30				=	554.58m³
lead up to 100m					
1848.59m³ x 0.70				=	1294.01m³
(2) Painting 2 coat on culvert wall					
2 x 6.15m x 0.400m				=	4.92m²
2 x 6.15m x 0.600m				=	7.38m²
2 x 6.15m x 0.55m				=	6.76m²
4 x 0.40m x 0.55m				=	0.88m²
					19.94m²
(2) Painting on Concrete Surface					
P.C.C 2	x 5 x 30.0m		x0.100m	=	30.0m²
2	x 50.0m		x 0.100m	=	10.0m²
2	x 25.0m		x 0.100m	=	5.0m²
					45.0m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B/F		45.0m²
2 × 5 × 30.0m × 0.100m =					30.0m²
2 × 50.0m × 0.100m =					10.0m²
2 × 25.0m × 0.100m =					5.0m²
				=	90.0m²
(4) Road Marking					
B.T 2 × 4 × 50.0m × 0.100m =					40.0m²
2 × 20.0m × 0.100m =					4.0m²
2 × 4 × 50.0m × 0.100m =					40.0m²
2 × 19.0m × 0.100m =					3.80m²
P.C.C Portion					90.0m²
				=	177.80m²
(5) Providing & fixing of R.C.C M15 grade Km Stone – 1 No. 200m Stone – 4 Nos Boundary Piller – 17 Nos					
(6) Providing & fixing of Maintenance Board					2 Nos
(7) Providing & fixing of Retro reflective Mandatory Cautionary Board					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	600mm	△		— 8	Nos
	600mm	○		— 4	Nos
	600mm × 450mm	□		— 2	Nos
	900mm	octagon		— 2	Nos
	09/01/2021 JE		09/01/2021 DE		

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Abstract of cost				
(1)/3	Consists of Ref Pillars/ Burjee				
0.889 Nos	side TMB			P2	
	@ 11074=06				9845=00
(2)/4	Clearing & grubbing of roadland including uprooting, rep.				
0.2667 Hect	side TMB			P2	
	@ 49244=52				13134=00
(3)/5	Consists of Embankment				
	lead up to 1000m				
554.58 m³	side TMB			P12	
	@ 187=89			1,04,200=00	
(4)/6	Consists of Subgrade & Earthen Shoulder				
560.0 m³	side TMB			P12	
	@ 189=77			1,06,271=00	
(5)/7	Consists of Embankment with lead up to 100m				
1294.01 m³	side TMB			P12	
	@ 143=00			1,85,043=00	
(6)/8	Box cutting				
79.85 m³	side TMB			P5	
	@ 81=99				6547=00

Continuation

4,25,040=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Content of area
	No.	L.	B.	D.	
			Bf	4,25,040=0	
(7) 10	Cost of granular Sub-base by providing grading I materials				
278.99 m³	vide Tnrs P6				
	⑧ 3044=79			8,49,466=	
(8) 11	Providing, laying, spreading & compacting WBM Gr III				
252.53 m³	vide Tnrs P8				
	⑧ 3794=53			9,58,233=00	
(9) 12	Providing & laying Prime Coat with Emulsion SS1				
1662.71 m²	vide Tnrs P9				
	⑧ 49=89			82953=0	
(10) 13	Providing & applying tack coat with Emulsion RS1				
1662.71 m²	vide Tnrs P10				
	⑧ 16=73			27817=00	
				23,43,509=00	

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			Bf	23,43,509=00	
(11) 14	Providing & laying 20mm Mix seal Surfacing				
1662.71m² vide TMS P10					
	ⓐ 243=32			4,04,571=00	
(12) 15	Constn of Un-reinforced P.C.C Pavement of M25 grade				
272.70m³ vide TMS P10					
	ⓐ 7831=37			21,35,615=00	
(13) 16	Providing & fixing Km stone vide TMS P13				
1 No.	ⓐ 2630=73			2631=00	
(14) 17 4 Nos	200m Stone ⓐ 697=62			2790=00	
(15) 18	Boundary Pillar				
17 Nos	vide TMS P13				
	ⓐ 548=12			9216=00	
				48,98,332=00	

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			Bf	48,	98,332
(16)/19	Painting 2 coat on new concrete surface culvert wall				
19.94m² vide TMS P12					
	@108=50				2163=00
(17)/20	Painting on concrete surface (P.C.C road)				
90.0m² vide TMS P13					
	@ 102=88				9259=00
(18)/21	Road Marking				
177.80m² vide TMS P13					
	@ 851=79				1,51,448=00
(19)/23	Providing & fixing of MMGSY Informatory Board				
2 NOS vide TMS P1					
	@ 11451=99				22904=00
(20)/24	Providing & fixing of Maintenance Board				
2 NOS vide TMS P13					
	@ 11451=99				22904=00
(21)/25	600mm ∧				
8 NOS	vide TMS P14				
	@ 3928=99				31432=00
					51,38,442=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Content of area
				P/F 51,	38,442
(22) 26	600mm ○				
	4 Nos @ 5306=73				21227
(23) 27	600mm × 450mm □				
	2 Nos @ 4574=27				9149=
(24) 28	900mm octagon				
	2 Nos @ 8722=96				17446
(25) 30	E/W excavation in				
	foundn trenches				
	37.62m³ side Trnchs P3				
	@ 258=89				9739=00
(26) 31	Sand filling in foundn				
	trenches				
	2.85m³ side Trnchs P3				
	@ 429=79				1225=00
(27) 32	B/Flat soling in				
	foundn trenches				
	28.63m² side Trnchs P3				
	@ 291=73				8352=00
(28) 33	P.C.C M15 in foundn				
	2.64m³ side Trnchs P3				
	3.52m³ side Trnchs P6				
	6.16m³ @ 6507=50				40,086=00
					52,45,666=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		B/F		52,45,666=00	
(29) 34	Brick Masonary work in Headwall)				
17.43m³	vide TMB Pg				
9.78m³	vide TMB Pg				
27.21m³	@	5967=95		1,62,388=00	
(30) 35	Providing & laying R.C.C NP3 100m dia hume pipe				
7.50m	vide TMB P3				
	@	4405=35		33040=00	
(31) 36	Plastering in cm (1:4) on wall				
28.04m²	vide TMB Pg				
	@	196=76			5517=00
(32) 37	Providing 1.5mm thick Cement Punning				
12.56m²	vide TMB Pg				
	@	59=86			752=00
				54,47,363=00	
0.05%	below as per Agreement			(-)	2724=00
				Continuation Rs	54,44,639=00

09/01/2021 J.E

09/01/2021 DE

CAP 11/01/21