NDB Brick

कार्य – मध्य विद्यालय खजुरी से खजुरी मुसहरी

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्यप्रमंडल-घालीगंज

Schedule XLV-Form No. 134

MMGSY NDB-Brick

चेकेप - 189

श्री अमर नाथ गुप्ता (A.E)

DIVISION

कार्य अवर प्रमंडल मोतिहारी

AG NO – 03 SBD/MMGSY/NDB/2020-21

SUB-DIVISION

संवेदक :- प्रेम कन्सट्रक्शन

MBNO – 672

Measurement Book

प्रमाणित किया जाता है कि इस मापी पुस्त में कुल 100 (एक सौ) पन्ने है जो मध्य विद्यालय खजुरी से खजुरी मुसहरी तक कार्य का मापी लेने हेतु श्री अमर नाथ गुप्ता (A·E) कार्य अवर प्रमंडल नौबतपुर के नाम से निर्गत किया जाता है।

05/01/23
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्यप्रमंडल-पालीगंज

Amc
05/1/23

This MB is returned to JE Naubatpur.

05/01/2023
AE

NDB BRICK

Sch. XLV - Form No. 134

श्री अमर नाथ गुप्ता (A·E) DIVISION

कार्य अवर प्रमंडल नौबतपुर

SUB-DIVISION

कार्य - मध्य विद्यालय खजुरी से खजुरी मुसहरी

संवेदक :- Shrey construction

Ag No - 03 SBD/MMGSY/NDB/2020-21

Measurement Book

No. 672

Name of Officer _____

_____

Date of first entry _____

Date of last entry _____

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3rd on A/c Bill					
Name of work – Construction and five year maintenance of road from Madhya Vidyalay Khagrui to Khagrui Musahari under MMGSY & DB BRICS.					
Contractor – Shrey Construction					
Ambara Bikita Palma					
Agreement No – 03 SBD/MMGSY & DB BRICS/2020-21					
Date of start – 24-09-2020					
Date of comp2 – 23-09-2021					
Date of entry – 10-04-2023					
Work done					
(1) Construction of granular Sub base by providing well graded Material grading-I					
Deposition – do					
CH – 812.30m to 940.00m					
937.30m 1095.30m					
10 Nos × 12.0cm ×		$\frac{(1.0+0.90)}{2}$	× 0.1m =		1.14 m³
10 Nos × 18.0cm ×		$\frac{(1.50+1.0)}{2}$	× 0.1m =		2.25
10 Nos × 12.60m ×		0.90m ×	0.1m =		1.134
10 Nos × 14.60m ×		1.0m ×	0.1m =		1.46
30 Nos ×	15.0cm ×	1.35 ×	0.1m =		6.075
10 Nos ×	1.30m ×	1.20m ×	0.1m =		0.180
10 Nos ×	10.0cm ×	1.35m ×	0.1m =		1.35
CH – 1179.30m to 1207.10m					
10 Nos × 27.80m ×		$\frac{(3.25+4.05)}{2}$	× 0.1m =		10.147
				Qty =	23.736

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(2) Providing, laying, spreading and compacting GSM Grade-II					
—do—			—do—		
CC Portion					
	9	37.70m	1099.30		
CH- 8412.35m to 9740.00m					
1No x 12.0cm x		(1.07+0.90)/2	x 0.075 =		0.855m³
1No x 18.0cm x		(1.50+1.0)/2	x 0.075 =		1.687
Packed 1No x 12.60cm x		0.90	x 0.075 =		0.850
1No x 14.60cm x		1.00	x 0.075 =		1.095
3No x 15.0cm x		1.35	x 0.075 =		4.556
1No x 1.50m x		1.20	x 0.075 =		0.135
1No x 10.0cm x		1.35	x 0.075 =		1.012
CH- 1179.30m to 1207.10m					
1No x 27.80m x		(3.25+4.07)/2	x 0.075 =		7.610
				Qty =	17.80m³
(3) Construction of unreinforced dowel joint Plain cement Concrete PCC M30 —do—					
Checked CH-779.90m to 790.90m					
1No x 11.0cm x		(3.80+4.0+4.20)/3	x 0.160 =		7.098m³
CH- 916.50m to		1207.10m			
1No x 28.0cm x		(3.35+3.90)/2	x 0.160 =		16.24
1No x 25.40m x		(3.90+4.30)/2	x 0.160 =		16.662
1No x 7.70m x		(4.30+4.90+4.30)/3	x 0.160 =		5.544
1No x 19.50m x		(4.30+4.45+3.30)/3	x 0.160 =		12.532
				Qty =	58.076m³

Continuation

Sch. XLV-Form No. 134

Sub Qty = 58.076 m³

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
checked	1 No × 19.20m ×	(3.30+3.15)/2	× 0.160 =		9.907
	1 No × 19.0m ×	(3.15+4.10)/2	× 0.160 =		11.02
	1 No × 7.0m ×	(4.60+4.60)/2	× 0.160 =		5.152
	1 No × 21.0m ×	(3.25+3.40+3.50)/3	× 0.160 =		11.368
	1 No × 25.0m ×	(3.50+3.30)/2	× 0.160 =		13.60
	1 No × 13.0m ×	(3.30+4.30)/2	× 0.160 =		7.904
	1 No × 25.0m ×	(4.30+4.80+4.60)/3	× 0.160 =		18.266
	1 No × 30.0m ×	(3.95+3.0)/2	× 0.160 =		16.68
	1 No × 25.0m ×	(3.0+3.0)/2	× 0.160 =		12.00
	1 No × 27.80m ×	(3.25+3.75)/2	× 0.160 =		15.568
			Qty =		179.541m²
(4) Providing and applying primer coat with bitumen emulsion (SS-1) on CH-0 to 154.30m					
	1 No × 30.0m ×	(3.20+3.75)/2	=		104.25m²
	4 No × 30.0m ×	3.75	=		450.00
	1 No × 4.30m ×	(3.75+3.95)/2	=		16.55
	CH-218.30m to 479.30m				
	1 No × 30.0m ×	(3.75+3.45)/2	=		108.00
	1 No × 30.0m ×	(3.45+3.70+3.60)/3	=		103.50
	1 No × 30.0m ×	(3.60+3.90)/2	=		112.50
	1 No × 30.0m ×	(3.90+3.75)/2	=		114.75
	2 No × 30.0m ×	3.75	=		225.00
			Cooly		1234.53m²

Sch. XLV-Form No. 134

Body = 1234.555 m³

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1+160 to 30.0m		(3.75+3.65)/2		=	111.00
1+130 to 30.0m		3.65		=	109.50
1+105 to 21.0m		(3.65+3.60)/2		=	76.65
				Qty =	1533.80m²
				Less	1530.00m²
5) providing and applying Tack coat with Asphalt emulsion (RS-1) —d—					
CH- 0 to 154.30m					
1+150 to 30.0m		(3.20+3.75)/2		=	104.25m²
4+150 to 30.0m		3.75		=	450.00
1+150 to 4.30m		(3.75+3.95)/2		=	16.55
CH- 218.30m to 479.30m					
1+150 to 30.0m		(3.75+3.45)/2		=	108.00
1+150 to 30.0m		(3.45+3.30+3.60)/3		=	103.50
1+150 to 30.0m		(3.60+3.90)/2		=	112.50
1+150 to 30.0m		(3.50+3.70)/2		=	114.75
2+150 to 30.0m		3.75		=	225.00
1+150 to 30.0m		(3.75+3.65)/2		=	111.00
1+150 to 30.0m		3.65		=	109.50
1+150 to 21.0m		(3.65+3.60)/2	2		76.65
				Total Qty =	1531.17m²
				Less	1530.00m²
(6) providing, laying and rolling 20mm thick mix seal surface typ					
B —d—					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
CH	– 0	20	154.30M		
1 No x	30.0cm x	(3.20 + 3.75)/2	=		104.25m²
4 No x	30.0cm x	3.75	=		410.00
1 No x	4.30m x	(3.75 + 3.95)/2	=		16.55
CH –	218.30m	20	479.30M		
1 No x	30.0cm x	(3.75 + 3.45)/2	=		108.00
1 No x	30.0cm x	(3.45 + 3.30 + 3.60)/3	=		103.50
1 No x	30.0cm x	(3.60 + 3.70)/2	=		112.50
1 No x	30.0cm x	(3.90 + 3.75)/2	=		114.75
2 No x	30.0cm x	3.75	=		225.00
1 No x	30.0cm x	(3.75 + 3.65)/2	=		111.00
1 No x	30.0cm x	3.65	=		109.50
1 No x	21.0cm x	(3.65 + 3.60)/2	=		76.12
			Total qty	=	1531.17m²
			Say –		1530.00m²
(7) P/V road marking with hot applied thermoplastic Compound with reflectorised ——do—— ——do——					
2 x 5 No	30.0cm x	0.10	=		30.00cm²
2 x 10 No	4.0m x	0.10	=		0.80
2 x 8 No	30.0cm x	0.10	=		48.00
2 x 10 No	6.0m x	0.10	=		1.20
			Qty	=	80.00m²
(8) P/V road marking of — centre Portion					
2 x 2 No	30.0cm x	0.10	=		120.00cm²
2 x 10 No	4.0m x	0.10	=		0.80
2 x 24 No	30.0cm x	0.10	=		144.00
2 x 10 No	8.00 x	0.10	=		1.60
			Qty	=	158.40m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9) P/V	10 Nos	Stone	—do—	—	
	1 ×	2 Mtrs		=	02 Mtrs
(10) P/V	200 Mtrs	Stone	—do—		
	1 ×	5 Mtrs		=	05 Mtrs
(11) Providing and fixing of retro-reflectorised cautionary, mandatory and informatory Signs as per IRC —do—					
(i) 600mm equilateral triangle	—	1 × 6 Nos	=	06 Nos	
(ii) 600mm circular	1 ×	4 Nos	=	04 Nos	
(iii) 600mm × 450mm rectangular —do—					
	1 ×	2 Nos	=	02 Nos	
(12) P/V 2 line up Name, Logo board & Maintenance board —do—					
	1 ×	1 Nos	=	01 Nos	
(13) P/V boundary pillar —do—					
	1 ×	12 Nos	=	12 Nos	
(14) plantation of trees —do—					
	1 ×	40 Nos	=	40 Nos	

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(15) Construction of Subgrade and earthen shoulder					
do					
~~Ch 0 to 154.30m~~					
2 x INN x	30.0m x	(0.400 + 0.625)/2		x 0.225	= 8.456m³
2 x INN x	30.0m x	(0.400 + 0.425)/2		x 0.225	= 6.806
2 x INN x	30.0m x	(0.425 + 0.400)/2		x 0.225	= 7.012
2 x INN x	30.0m x	(0.475 + 0.625)/2		x 0.225	= 9.075
2 x INN x	30.0m x	(0.625 + 0.625)/2		x 0.225	= 10.312
2 x INN x	4.30m x	(0.625 + 0.400)/2		x 0.225	= 1.212
Ch - 218.30m to 479.30m					
2 x INN x	30.0m	(0.325 + 0.225)/2		x 0.225	= 4.95
2 x INN x	30.0m x	(0.325 + 0.300)/2		x 0.225	= 6.806
2 x INN x	30.0m x	(0.300 + 0.300)/2		x 0.225	= 9.90
2 x INN x	30.0m x	(0.300 + 0.300)/2		x 0.225	= 8.25
2 x INN x	30.0m x	(0.300 + 0.400)/2		x 0.225	= 7.425
2 x INN x	30.0m x	(0.400 + 0.300)/2		x 0.225	= 7.425
2 x INN x	30.0m x	(0.300 + 0.400)/2		x 0.225	= 7.425
2 x INN x	21.0m x	(0.400 + 0.400)/2		x 0.225	= 4.62
				Qty =	109.574m³

10/01/2023 OE

10/01/2023 A.E

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Material statement for this bill					
(i) Earth	-	109.574 m^3			
	@	Rs 23.78/m^3		—	Rs 2606.00
a) Stone Dgs.		53mm to 9.5mm			
- 14.24 m^3	@	Rs 516.12/m^3		—	Rs 7350.00
b) Stone Dgs.	-	9.5mm to 2.36mm			
- 5.70 m^3	@	Rs 411.33/m^3		—	Rs 2345.00
c) Below Stone		2.36mm			
- 9.55 m^3	@	Rs 185.54/m^3		—	Rs 1590.00
d) Stone Dgs.	-	53mm to 22.4mm			
- 21.54 m^3	@	Rs 458.22/m^3		—	Rs 9870.00
e) Crushed stone Dgs.					
- 161.59 m^3	@	Rs 528.14/m^3		—	Rs 85342.00
(ii) Coarse sand	-	80.79 m^3			
	@	Rs 150.80/m^3		—	Rs 12183.00
(iii) Crushed Stone Dgs.		13.2mm to 0.09mm			
- 41.31 m^3	@	Rs 499.76/m^3		—	Rs 20645.00
			Total	—	Rs 141931.00
Seigniorage fee	@	Rs 107.86			
Material cost				—	Rs 14193.00
Supplying fittings & Accessories like Hindustan Petroleum Corporation limited Document No - 13674 G12 200 2789, dated 31/03/2023					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Bitumen RS-1		10		—	2.912MT
Consumed Qty				(-)	2.907 MT
Bitumen Emulsion (RS-1)				Rest =	0.005MT
Consumed Qty				—	0.600MT
				(-)	0.421
				Rest	0.179MT
Bitumen emulsion (SS-1)				—	1.400MT
Consumed Qty				(-)	1.301 MT
				Rest	0.099MT

10/04/2023

ABSTRACT OF COST

(1/1) Setting out Pillar dr—

Qty vide T-MB P-(17) 1.230Km

@ 11888.29/Km → 14623=00

(2/2) clearing & Grubbing dr—

Qty vide T-MB P-(17) 0.415 Hae

@ 51161.75/Hae → 21232=00

(3/3) Excavation for roadway dr—

Qty vide T-MB P-(18) 16.695m³

@ 74.16/m³ → 1238=00

(4/4) Construction of embankment 10000m dr—

Qty vide T-MB P-(18) 456.283 m³

@ 176.86/m³ → 169128=00

COD 206221=00

Sch. XLV-Form No. 134

B/F ₹ 206221=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5/5) Constn of embankment 100m					
Qty vide T.MB P-(18) 2231.327m³					
@₹ 139.79/m³ → ₹					311917=00
(6/6) Constn of Subgrade -do-					
Qty vide T-MB P-(21) 109.574 m³					
@₹ 161.56/m³ → ₹					17703=00
(7/7) Constn of GSB Gr-I -do-					
Qty vide T-MB P-(18) & (20)					
= (426.741m³ + 23.736m³)					
= 450.477m³ @₹ 2669.87/m³ → ₹					1202715=00
(8/8) P/L, laying WBM Gr-III -do-					
Qty vide T.MB P-(18) & (21)					
= (191.879m³ + 17.80m³)					
= 209.679m³ @₹ 3351.68/m³ → ₹					702777=00
(9/9) P/L Primer Coat (SS-1) -do-					
Qty vide T-MB P-(23) 1530.00m²					
@₹ 42.35/m² → ₹					64796=00
(10/10) P/L Tack Coat (RS-1) -do-					
Qty vide T-MB P-(23) 1530.00m²					
@₹ 14.40/m² → ₹					22032=00
(11/11) P/L MSS Type B -do-					
Qty vide T.MB P-(24) 1530.00m²					
@₹ 196.68/m² → ₹					300920=00
(12/12) Constn of PCC M30 Pavement -					
Qty vide T-MB P-(18) & (22)					
= (328.363m³ + 179.541m³)					
= 507.904m³ @₹ 5876.95/m³ → ₹					2984926=00

Continuation C/F ₹ 58,14,007=00

Sch. XLV-Form No. 134

B/F ₹ 5814007=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15/14) P/V 200M stone do —					
Qty vide T.MB P-(25) 02 Nos					
@ ₹ 2077.43/Each — ₹					4155=00
(14/15) P/V KM stone do —					
Qty vide T.MB P-(25) 05 Nos					
@ ₹ 585.52/Each ₹					2928=00
(5/6) P/V & fixing 4MG3X NOS Sign —					
Qty vide T.MB P-(18) & (25)					
=(02 Nos + 01 No) = 03 Nos					
@ ₹ 9146.55/Each ₹					27440=00
(16/17) P/V 600mm equilateral triangle					
Qty vide T.MB P-(25) 06 Nos					
@ ₹ 3319.88/Each ₹					19919=00
(17/18) P/V 600mm circle do					
Qty vide T.MB P-(25) 04 Nos					
@ ₹ 4444.63/Each ₹					17779=00
(18/19) P/V 600mm x 450mm rectangular					
Qty vide T.MB P-(25) 02 Nos					
@ ₹ 4229.50/Each ₹					8459=00
(19/20) P/V & fixing boundary pillar —					
Qty vide T.MB P-(25) 12 Nos					
@ ₹ 491.15/Each ₹					5894=00
(20/21) Plantation of trees do —					
Qty vide T.MB P-(25) 40 Nos					
@ ₹ 818.84/Each ₹					32754=00
(21/22) P/V road marking do —					
Qty vide T.MB P-(24) 80.0 m² —					
@ ₹ 735.79/m² — ₹					58863=00

C/O ₹ 59,92,198=00

Continuation

Sch. XLV-Form No. 134

Rs 59,92,198=00

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(22/23) P/V road marking etc —					
by side Trms & P-	(24)	158.40m²			
	@ Rs	766.57/m²		D	121405=00
			Rs	B1,13,623=00	
Add. 12% GST		—	—	A 73363=00	
Add. 1% L. cess		—	—	D	61,136=00
Add Security tape fee Side Trms				P - 18423 + 68874=	
			Total Rs	69,77,268=00	
less 0.01% below as per Agt. DP					698=00
			Rs	69,76,570=00	
less previous bill Payment				D	48,42,060=00
			payable Rs	21,34,510=00	

10/04/2023 A.E

10/04/2023 A.E

J.E.

Continuation