MMGSY NEW SC M.B.NO-3288

धनपुरा नहर से भगवानपुर टोला तक पथ।

Shedule XLV Form No. 134.

एकरारनामा सं0 -

संवेदक → श्री संदीप कुमार

DIVISION

श्री रामपुकार सिंह - सहा0 अभि0

SUB-DIVISION

प्रखण्ड प्रह्लादपुर

Measurement Book

M.B.NO-3288

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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 No.	L.	B.	D.	Contents of area
Name of wirk – Banpura Nahar Pul to Bhaganpur tola tak					
Name of agency – Sandeep kumar					
Agreement no. – 69SBD/2020-2021					
Date of start of wirk – 14/08/2020					
Date of completion – 13/08/2021					

Measurement

(1) clearing and grubbing

road land – – do – –

2 × 52 × 30 × 2.0 = 6240 m²

2 × 10 × 2.0 = 40 m²

Total 6280 m²

$\frac{6280\ m^2}{10000}$ = 0.63 Hectar

(2) Box cutting

Excavation for roadway

in soil – – do – –

(A) Be side of BES for prov. of flexible road

RPCC

2 × 7 × 30 × 0.525 × 0.10 = 22.05 m³

2 × 1 × 20 × 0.525 × 0.10 = 2.10 m³

(B) Rigid road

RCC

2 × 9 × 30 × 0.375 × 0.10 = 20.25 m³

2 × 1 × 20 × 0.375 × 0.10 = 1.50 m³

Continuation

Total 45.90 m³

P.T.O

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(3) const. of embankment with approved material cutting and excavation from drain and found ~~=~~ do as per technical specificah					
RP SOR	2X	4X	25X	0.6X0.4	= 48 m³
				Limit to	27.54 m³
(4) const. of embankment with material obtained from borrow pits — — do — —					
For 1000 m lead					
RP SOR	2X	4X	25X	0.5X0.5	= 50 m³
	2X	4X	25X	0.6X0.5	= 60 m³
	2X	4X	25X	0.6X0.4	= 48 m³
	2X	8X	25X	0.5X0.4	= 80 m³
	2X	4X	15X	0.5X0.4	= 24 m³
				Total	= 262 m³
				Limit to	246.16 m³
(5) const. of subgrade and earthen shoulders — — do — — as per technical specificah					
(A) 9m flexible road					m³
Full width	35X	30X	6X0.3		= 1890 m
Side of WBB	2X	35X	30X	0.975X0.2	= 409.50
Side of WBB above BES	2X	7X	30X	0.975X0.1	= 40.95
	2X	1X	20X	0.975X0.1	= 3.90
Side of WBM	Continuation				
	~~2X 33X 30X 0.975X0.~~				
	2X	33X	30X	1.125X0.075	= 167.06
				Total	2511.41 m³

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(B) 9m rigid road					
side of WBM					
RR [2X	9X	30X	0.625	X0.075	= 25.312 m³
RR [2X	1X	20X	0.625	X0.075	= 1.875 m³
side of PCC					
RR [2X	9X	30X	0.625	X0.16	= 54 m³
RR [2X	1X	20X	0.625	X0.16	= 4.0 m³
				Total	85.187
Total A+B					
2511.41 + 85.187 = 2596.597 m³					
(C) const of granular subbase - do -					
as per technical specification					
(A) flexible road					
GSB in full width					
RR [1X7	X30	X4.050	X 0.10	= 85.05	
RR [1X	20X	4.050	X 0.10	= 8.10	
GSB in widening					22.05
2X7	X30	X0.525	X 0.10	= 11.025	
2X	20X	0.525	X 0.10	= ~~1.05~~ 2.10	
GSB in earthen portion					
42X	25X	4.050	X 0.20	= 850.50	
extra profile correction					
15	X 3	X 0.1	=	4.5 m³	
RR			Total	972.30 m³	

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(B) rigid portion					
3 cc	2x	9x30	x0.375	x0.1 =	20.25m³
2 cc	2x	1x26	x0.375	x0.1 =	1.50m³
for profile correction					
3 cc	15x	3x0.1	=		4.50m³
For extra widening					
2 cc	25x	(3.95-3.75)	x0.1 =		0.50m³
			Total		26.75
			Limit to		26.54m³
Total A+B					
972.30 + 26.54 =					
			Total =		998.84m³

(I) WBM ge-III

Providing, laying spreading and compacting stone aggregates -- do --

as per technical specifi

flexible road 33x30x3.75x0.075 = 278.437

rigid portion

2x 9x30x3.750x0.075 = 75.937

1x26x3.75x0.075 = ~~75.937~~ 5.625

extra widening

2 cc 25x(3.95 - 3.75)x0.075 = 0.375

Total 360.374m³

Continuation

P.T.O.

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(8) Construction of un-reinforced plain cement concrete.					
- - -		do	-	-	
as per technical specificat-					
~~9x 30~~					
	3X	30X	3.75X	0.16=	54m^3
	4X	25X	3.85X	0.16=	61.60m^3
	4X	25X	3.80X	0.16=	60.8m^3
At curve					
	25X	(3.95-3.75)X		0.16	= 0.80m^3
				Total	177.20m^3

Gsingh
05/01/2021
JE

RPS
5.1.2021
AE
Lawladpur

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Abstract of cost					
1. clearing and grubbing road land — — do — —					
Qnt = 0.63 Hectare vide TMB Page — ① item — ①					
@ Rs 51133.76/Hect = Rs					32112=
② Box cutting Excavation for roadway in soil — — do — —					
Qnt = 45.90 m^3 vide TMB Page — ① item — ②					
@ Rs 126.24/m^3 = Rs					5795=
③ const of embankment with approved material cutting — — do — from drain — — — do — — —					
Qnt = 27.54 m^3 Page — ② item — ③ @ Rs 88.36/m^3 = Rs					2433=
④ const. of embankment with material — — do — obtained from borrow pit — — do — — —					
Qnt = 246.16 m^3 Page — ② item — ④ @ Rs 184.30/m^3 = Rs					45367=
Continuation C/o to T. Rs					85707=

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B/F Rs 85707=

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(5) const. of subgrade & earthen shoulder.					
— — do — — —					
Qnt = 2596.597 m^3 vide					
TMB Page-(3) item-(5)					
@ Rs 210.88/m^3 = Rs					547570=
(6) const. of granular subbase					
— — — do — — —					
Qnt = 998.84 m^3 vide					
TMB Page-(4) (4)					
item-(6) @ Rs 3548.82/m^3					
= Rs					3544703=
(7) WBM ge-III					
Providing, laying spreading and compacting stone					
— — do — — —					
Qnt = 360.374 m^3 vide					
TMB Page-(4)					
item-(7) @ Rs 4301.87/m^3					
= Rs					1550282=
(8) const. of unreinforced plain cement concrete					
— — do — —					
Qnt = 177.20 m^3 vide					
TMB Page-(5) item-(8)					

Continuation

C/O T: Rs 5728262

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Sch. XLV-Form No. 134

B/F Rs 57282622

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
@ Rs	7839.28	/m³ =	Rs		1389120=
			Total Rs		7117382=
Add GST-	12%		(+)	Rs	854086=
Add Labour cess 1%			(+)	Rs	71174=
			Total Rs		8042642=

G Singh 05/01/2021 J.E

RPSm 5-1-2021 AE Lahladpur

5/1/21

Material statement

1. E/W = 2870.297 m³
2. metal = (898.956 m + 436.05) = 1335.006 m³
3. coarse sand = ~~382.888 m³~~ 462.628 m³
4. stone screening = 86.489 m³
5. stone chips = 159.48 m³
6. cement = 62.02 tone

G Singh 05/01/2021 J.E

RPSm 5-1-2021 AE Lahladpur

Continuation

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