

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 Apc Bill					
Name of work: - Construction of					
Road from Near Dharhaze					
Harendra Baitra to Mahadipur					
via Dharam Tulse Nagar					
(0 to 4.895km) Under					
NABARD					
Agency - Surendra Kumar Singh,					
Construction Pvt Ltd,					
Mathiya, Matihari					

Dist - East Champaran					
Agreement no - 41 SBD/2020-21					
Agreement value - 301.31772 lac					
+ 45.31210 lac					
Total 406.62982 lac					
Date of work order - 07/12/2020					
Date of completion as per					
Agreement - 06/12/2021					
Date of measurement -					
28/01/2021					
① Providing a fix up					
of Informalony Board					
2 Nos.					

Continuation

5th on A/c Bill

Name of work - constn of
road from Narendra Bartha
Dharhari to Mohaddisw
via Dharam Tulsi Nagar Under
NABARD

Agency - Surendra Kumar Singh
Construction Pvt Ltd,
Mathiya, Motihasi
East Champaran

Agreement no - 418850/2020-21

Date of work order - 07/12/2020

Date of completion as per
Agreement - 06/12/2021

Continuation

Date of Measurement - 31

Branch →

$$2 \times 2 \times 50.0m \times 0.375m \times 0.100m = 7.50m^3$$

$$2 \times 12 \times 50.0m \times 0.525m \times 0.100m = 63.0m^3$$

$$2 \times 1 \times 50.0m \times 0.375m \times 0.100m = 3.75m^3$$

$$2 \times 1 \times 35.0m \times 0.375m \times 0.100m = 2.62m^3$$

$$= 76.87m^3$$

(2) E/W excavation in foundation
trenches

4.0m x 3.0m R.C.C. culvert

$$\text{Rep } 8.90m \times 6.0m \times 0.930m = 49.40m^3$$

$$2 \times 8.90m \times 0.30m \times 1.80m = 9.61m^3$$

$$2 \times 5.90m \times 0.55m \times 1.00m = 7.14m^3$$

$$= 66.15m^3$$

(3) Sand filling in foundation
trenches

$$8.90m \times 6.0m \times 0.100m = 5.34m^3$$

$$2 \times 8.90m \times 0.30m \times 0.100m = 0.53m^3$$

$$2 \times 5.90m \times 0.55 \times 0.100m = 0.65m^3$$

Continuation

$$6.52m^3$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) S.A.F HYSD steel Reinf.					
148 x 1.50m				8mm	10mm
				392.0	
36 x 8.90m					320.40m
				222.0	320.40m
(5) Providing BCC M15 grade					
2 x 5.90m x 0.450 x 0.60 = 3.19 m ³					
2 x 5.90m x 0.55 x 0.10 = 0.65 m ³					
					3.84 m ³
Raft 8.90m x 6.0m x 0.10 = 5.34 m ³					
					9.18 m ³

13/2/22

Constn of granular sub base by providing gradings material

Profile Correction

24.50m x 1.20m x 0.075m = 2.20m ³	
19.20m x 1.8m x 0.075m = 1.44m ³	
2 x 30.8m x 1.25m x 0.075m = 5.62m ³	
11.80m x 2.8m x 0.075m = 1.77m ³	
4 x 30.8m x 0.90m x 0.075m = 8.10m ³	
15.30m x 1.10m x 0.075m = 1.26m ³	
Box centrip area vide TMS P31 = 76.87m ³	
CH 2200 to 2300m 2 x 50.0m x 4.05m x 0.200m = 81.0m ³	
CH 4000 to 4100m 2 x 50.0m x 4.05m x 0.200 = 81.0m ³	
Continuation	= 259.26 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
16/2/2022					
① constn of granular sub base by providing grading material					
Branch					
B.7 Station					
					12 x 50.0m x 4.05m x 0.100m = 243.0m ³
② Providing weep hole in box culvert -					
					2 x 5 x 3 = 30
					4 x 3 = 12
					42 nos
16/2/22					

24/02/2022					
① Providing & laying R.C.C M25 grade in box culvert					
Deck					4.90m x 6.0m x 0.35m = 10.29m ³
② S.F.F MMSD steel Reinforcement					
					8m ² 12m ²
					2 x 25 x 2.40m 120
					2 x 10 x 4.90m 98.0
					2 x 52 x 3.70m 384.80
					4 x 44 x 2.45m 431.20
					Continuation 120 3914

Particulars	Details of actual measurements				Contents of area
	No.	L.	B.	D.	
<u>Total Reinforcement</u>					
8mm ϕ →	P32		222.0m		
	P33		264.0m		
	P34		120.0m		
			606.0m		
Weight	$606.0m \times 0.395 = 239.37kg$				
10mm ϕ →	P32		320.40m		
	P33		2003.39m		
			2323.79m		
Weight	$2323.79m \times 0.617 = 1433.77kg$				
12mm ϕ →	P34		744.48m		
	P34		914.00m		
			1658.48m		
Weight	$1658.48 \times 0.888 = 1472.73kg$				
16mm ϕ →	P33		446.52m		
Weight	$446.52m \times 1.58kg = 705.50kg$				
					3851.37kg
					Say 3.851mt

(3) Provision, laying, spreading & compacting WRS (or 11)

CH 2200 to 2300m

$$2 \times 50.0m \times 3.75m \times 0.075m = 28.12m^3$$

CH 4000 to 4100m

$$2 \times 50.0m \times 3.75m \times 0.075m = 28.12m^3$$

Branch

$$2 \times 10 \times 50.0m \times 3.75m \times 0.075m = 140.62m^3$$

$$5 \times 50.0m \times 3.75m \times 0.075m = 70.31m^3$$

Continuation

$$267.17m^3$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of cost					
①	2	Constn of Ref. Pillar/ Burrice			
		4.895m ³ vide TMS P27			
		@ 3004 = 95			14,709 = 00
②	3	Clearing & Grubbing of road land including uprooting, veg.			
		1.4535 Hect vide TMS P27			
		@ 52970 = 34			76992 = 00
③	4	Constn of embankment - lead up to 1000m			
		1384.81 m ³ vide TMS P27			
		@ 190 = 07			2,63,211 = 00
④	5	Constn of Subgrade & earthen shoulder			
		6301.50 m ³ vide TMS P27			
		@ 191 = 76			12,08,376 = 00
⑤	6	Constn of embankment lead up to 100m			
		3231.24 m ³ vide TMS P27			
		@ 153 = 78			4,96,900 = 00
⑥	7	Bod cutting			
		76187 m ³ vide TMS P31			
		@ 75 = 57			5,809 = 00
					20,65,997 = 00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			BF		20,65,997 ⁰⁰
(7) Constn of granular					
9 Sub-base by providing					
granular material					
2612.41m ³ vide TMS P27					
259.26m ³ vide TMS P32					
243.0m ³ vide TMS P34					
3114.67m ³ @ 3007 = 28					93,66,685 ⁰⁰
(8) Providing, laying, spreading					
10 & compacting WBM					
Gr III					
1096.84m ³ vide TMS P28					
277.01m ³ vide TMS P36					
1373.85m ³ @ 3675 = 85					50,77,544 ⁰⁰
(9) Providing & fixing of					
23 Informative sign Board					
2 nos vide TMS P28					
@ 12908 = 49					2,5,817 ⁰⁰
(10) E/W excavation in					
31 foundn trenches					
446.28m ³ vide TMS P28					
66.15m ³ vide TMS P31					
512.43m ³ @ 279 = 09					1,43,014 ⁰⁰
(11) Sand filling in foundn					
32 trenches					
37.82m ³ vide TMS P28					
6.52m ³ vide TMS P31					
44.34m ³ @ 442 = 50					19,620 ⁰⁰
Continuation					
1,66,98,677 ⁰⁰					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			Ref	1,66,	98,677=00
(12) 33			Brick flat soling in foundry trenches		
			379.60m ² vide Tms P28		
			⊙ 294=05		1,11,621=00
(13) 34			PCC M15 grade in levelling course		
			82.92m ³ vide Tms P28		
			9.18m ³ vide Tms P32		
			92.10m ³ ⊙ 5976=20		5,50,408=00
(14) 35			Brick masonry work in headwall		
			290.74m ³ vide Tms P29		
			⊙ 5672=84		16,49,322=00
(15) 36			Providing & laying R.C.C NP2 1.0m dia H.P		
			105.0m vide Tms P29		
			⊙ 4028=04		4,22,944=00
(16) 39			Providing R.C.C M25 grade in Box culvert		
			48.82m ³ vide Tms P33		
			10.29m ³ vide Tms P34		
			1.47m ³ vide Tms P36		
			60.58m ³ ⊙ 7493=16		4,53,936=00
					1,98,86,908=00

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
			Bf	1,98,86,908=00
(17) Backfilling behind				
40 About Δ R/W				
26.64m ² side Tms P36				
			@ 28/2=31	74,920=00
(18) Providing weep hole				
41 in About Δ R/W				
42 Nos side Tms P34				
			@ 83=43	3,504=00
(19) S.F.F HYSD steel				
43 Reinforcement in				
substructure				
3.851 mt side Tms P35				
			@ 51,679=18	1,99,017=00
				2,01,64,349=00
Add 1% L.W				2,01,643=00
Add 12% GST				24,19,722=00
Add Seigniorage fee				3,05,000=00
				2,30,90,714=00
5.25% below as per				
Agreement (-)				12,12,262=00
				Rs 2,18,78,452=00
Less paid upto 4th A/C				
Bill side Tms P30				
				(-) 1,80,05,178=00
				Rs 38,73,274=00

05/03/2022
J.E/Chiranjy

Continuation

05/03/2022
12.3.22
AF/Chiranjy