

MMGSY

Haamidpur Se Dekho Vig. Dikho hazar.

Schedule XLV-Form No. 134

Ma. K. K. K.

Executive Engineer R. C. D. DIVISION -

Jehanaabad

A. E. R. C. D. WORK SUB-DIVISION

Ratnifandpur

MEASUREMENT BOOK

NO-2815

Ist on A/c Bill

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.	
Name of work:-	Construction of road				
	from Hamidpur to Duki Bazar				
	under masonry				
Name of Contractor:-	M/s Man Laxmi				
	Construction.				
Agreement No.-	SS SBD/ 2021-22.				
Date of start:-	06/12/2021				
Date of completion	05/12/2022				
After Date of					
-! Record Entry!					
① Provision and fixing of					
① Working Bench mark etc -	1 No				
② Reference Pillars etc -	5 Nos				
② clearing & grubbing and level etc -	1 x 1255 x 6.00 = 7548 m ³				0.78 Hect
③ Construction of subgrade and	1 x 18 x 0.98 x 0.30 = 43.092 m ³				0.755 Hect
earthen shoulders etc all					
sup 205 -					
1/ Flexible Portion:-					
in Flexible	1 x 38 x 30.0 x 0.98 x 0.30 = 27.29.16 m ³				
road	1 x 18 x 0.98 x 0.30 = 43.092 m ³				
Sides of	2 x 38 x 30.0 x 1.49 x 0.20 = 679.44 m ³				
CSB	2 x 18 x 1.49 x 0.20 = 10.728 m ³				

Continuation

$$\begin{aligned}
 \text{Sides of} & \left\{ \begin{aligned} 2 \times 38 \times 30.0 \times 1.30 \times 0.075 &= 222.30 \text{ m}^3 \\ \text{WBH-3} & \left\{ \begin{aligned} 2 \times 18 \times 1.30 \times 0.075 &= 3.51 \text{ m}^3 \end{aligned} \right. \end{aligned} \right. \\
 & \underline{368.23 \text{ m}^3}
 \end{aligned}$$

Abstract of ¹² Cost
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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Providing and fixing of working benchmark etc all up to					
Qty vide TMB on page ①					
1 No @ Rate	3790	=	47/14	=	11
					3790
② Providing & fixing of Reference Pillars etc all up to					
Qty vide TMB on page no ①					
5 Nos @ 1724	=	95/4	=	14	
					8625
③ Clearing and Grubbing soil etc all complete job					
Qty vide TMB on page no ①					
0.755 Hect @ 529202	33	Hect	=	11	
					39993
④ Construction of embankment with material obtained from borrow pits etc all up to lead up to 1000 m.					
Qty vide TMB on page ①					
312.88 m ³	190	=	35	m ³	=
					13
					5955
⑤ Construction of embankment with material obtained from borrow pits etc all up to lead up to 100 m					
Qty vide TMB on page ①					
609.928 m ³	171	=	29	m ³	=
					104780
				C-0-1	2,16,745

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B. H. 14		2,16,745	
⑥ Construction of subgrade and earthwork shoulders etc. all comp. 203 Qty. rick TMB on page ①					
3688.23 m ³		2142.97/m ³ = 14			792859
⑦ Construction of GSB for grade-I material etc. all comp. 203 Qty. rick TMB on page ②					
992.61 m ³		2090.262/m ³ = 14			2025181
⑧ Paving WBM Gr-3 etc. all complete 203 Qty. rick TMB on page					
358.769 m ³		2569.657/m ³ = 14			921911
⑨ Paving Prime coat with bitumen emulsion (SS-1) etc. all comp. 203 Qty. rick TMB on page ④					
4405.875 m ³		41.10/m ³ = 14			181082
⑩ Paving Tack coat with bitumen emulsion (RS-1) etc. all comp. 203 Qty. rick TMB on page ④					
4405.875 m ³		1420.57/m ³ = 14			61903

Continuation

C.O.S. 42,49,681
42,49,681

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B. F. 13	42,	49,681
(11) Paving Mtx Sand Surface etc					
all complete 50%					
Qty. vider TMS on Base as (5)					
4405.875 m ²		1722	81/m ² = 13		761379
(12) Paving Un-reinforced C.C.					
Pave etc - all 2%					
Qty. vider TMS on Base as (3)					
61.0 m ²		5363	24/m ² = 13		327158
(13) Kilometer Stone etc.					
Qty. vider TMS on Base as (5)					
3 Name		1996	282/m ² = 13		5990
(14) 200 m Stone etc.					
Qty. vider TMS on Base as (5)					
5 Name		5712	97/m ² = 13		2860
(15) Traffic Sign - 600 mm equilateral & Triangle etc.					
Qty. vider TMS on Base as (5)					
2 Name		3482	81/m ² = 13		6966
(16) 600 mm Circular etc.					
4 Name		3739	216/m ² = 13		14957
(17) 900 mm equilateral & Triangle etc.					
2 Name		5232	43/m ² = 13		10465

Continuation

C.O.B. 53,79,456

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		13	14	56	20,582
(27) Pls in excavation for structure etc. all up to 20					
Qty. vide TMB on page no (6)					
Page no (6)	—	186.48 m ³			
Page no (7)	—	31.324 m ³			
Page no (9)	—	29.798 m ³			
TOTAL		247.602 m ³			
③ 305242 m ³ 2 13					75823
(28) Pump shaft f/10 in foundation etc. all up to 20					
Qty. vide TMB on page no (6)					
2.50 m ³ 522 = 36/m ³ = 14					1306
(29) Pump for M15 in foundation etc. all up to 20					
Qty. vide TMB on page no (6)					
on page no (7)	—	24.934 m ³			
on page no (9)	—	5.691 m ³			
on page no (9)		4.595 m ³			
TOTAL =		35.28 m ³			
③ 4482203/m ³ 2 14					158126
(30) Pump for M20 in foundation etc. all up to 20					
Qty. vide TMB on (7)					
10420 m ³ 5041255/m ³ 2 14					523509

Continuation

C.O.B. 63, 79, 126

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B. F.	14 63	29,126
(31) PCC Plain/ Reinforced PCC M20 in substructure etc. all etc etc					
Qty vide TMB on PCC					
PCC		52.522 m ³			
or PCC		8.136 m ³			
or PCC		7.680 m ³			
ADD PCC		68.338 m ³			319078
		52.60 = 27/m ³			
		58.346 m ³			
		126.684 m ³			666,392
(32) PCC Bitumen Painty on TOP surface etc all etc etc					
Qty vide TMB on PCC					
28.76 m ³		14205/m ³			396
(33) PCC RCC M25 in Deck slabs etc all etc etc					
Qty vide TMB on PCC					
9.22 m ³		6348 = 47/m ³			58533
(34) PCC HYSD bar reinforcement etc all etc etc					
Qty vide TMB on PCC					
1.177 MTC		55519 = 68/MTC			65347
(35) PCC and fill joint seal Compound etc all etc etc					
Qty vide TMB on PCC					
30.0 PCC 470/RMC					
(36) PCC weep holes etc Qty vide TMB on PCC					
47 MTC		121 = 01/MTC			5887
		C.O. H		68,	28,167

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B. F	M	68,28/67
③ Paved and Log NPS pipe					
of 600 mm dia etc up					
Qty. vide TMS on form ⑨					
15m					
10.0 m		1177 = 82/m			17667
③ Paving RC NPS 1000 mm					
clay H side up					
Qty. vide TMS on form ⑨					
7.50 m		3256 = 20/m			24422
		Total =			72,94,928
Add V. for Labor Cap					72949
Add 12% for GST					875391
Add seigniorage fee					1,31,636
		Total =			83,24,904
AP					
30/05/2023					
AE					
— Material Statement —					
① Earth :-			4858.640 m ³		
② Stone Metel :-			1261.388 m ³		
③ stone chips :-			299.217 m ³		
④ Course sand -			506100 m ³		
⑤ stop screening -			86.104 m ³		
⑥ Bitumen emulsion (SS) -			3.726 m ³		
⑦ Bitumen emulsion (RS) -			1.208 m ³		
⑧ Bitumen (S-90) -			8.371 m ³		
⑨ Seal -			2.50 m ³		

Continuation

AP
30/05/2023
AE