

Measurement

Ministry (Genl)

Schedule XLV-Form No. 134

1948-32 दिवस आदि

आर्थिक विभाग और संबंधित DIVISION

आर्थिक विभाग और संबंधित SUB-DIVISION

Measurement Book

No. 2227

आर्थिक विभाग और संबंधित

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/WORK:-	Construction of MMGSY road				
	from Balchani PMGSY Road to				
	Balchani Harijan Tola in Surasand				
	Block.				
Name of Agency:-	M/S Dhar Bihar Construction CO.				
No/Agreement	Date:- MMGSY 09 /SBD/ 2019-20				
	Date 30.09-2019.				
Date of Start:-	30.09-2019				
Date of completion	29.09-2020				
Date of Measurement:-	25/03/2022				

01) Box cutting:- Excavation for road way,
embankment with in soil
material
using manual means.
for carrying of cut
earth to embankment.

2 30.00 0.375 0.10 2.25 m³.

2 22.50 0.375 0.10 1.69 m³.

Total qty: 3.94 m³.

02) Construction of embankment-
with material obtained
from borrow pits

-: Abstract of cost :-

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① <u>Providing and fixing</u> <u>work</u>					
<u>bank mark pillars-</u>					
<u>alg vide</u> TMB P-07.					
<u>alg</u> 1.70 km @ 4444.28/km $\Rightarrow$					7555.00/-
b) <u>Reference pillar-</u>					
<u>alg vide</u> TMB- P-07					
<u>alg</u> 1.70 km @ 2056.51/km $\Rightarrow$					3496.00
② <u>clearing and Grabbing</u> <u>Road land</u>					
<u>by manual means. including</u>					
<u>uprooting wild vegetation</u>					
<u>alg vide</u> TMB- P-07					
<u>alg</u> 1.19 Ha @ 49739.47/Ha $\Rightarrow$					59190.00/-
③ <u>Excavation for road ways in</u>					
<u>Soil using manual means in</u>					
<u>box cutting -</u>					
<u>alg vide</u> TMB P-08-					
<u>alg</u> 33.56 m ³					
<u>alg</u> 3.94 m ³					
<u>total alg</u> 37.50 m ³ @ 81.20/m ³ $\Rightarrow$					3045.00/-
④ <u>Construction of</u> <u>6m bank mul-</u>					
⑤ <u>with material obtained from-</u>					
<u>borrow pits.</u>					
<u>lead upto</u> 1000 mt					
<u>alg vide</u> TMB. P-08.					
<u>alg</u> 270.63.					
<u>alg</u> 348.33 P-13					
<u>Talg</u> 618.96 m ³ @ 187.51/m ³ $\Rightarrow$					1,16,061.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) lead upto 100 m					
alg vide TMB P-08					
alg 1082.52 m ³					
alg 568.33 m ³					
T/alg 1650.85 m ³ @ 142.62/m ³ ⇒					235444.00
(5) constructing subgrade and					
earth shoulder of flexible road					
alg vide TMB P-08					
alg 946.16 m ³					
alg 2007.88 m ³					
T/alg 2954.04 m ³ @ 189.39/m ³ ⇒					559466.00
(8) For rigid road -					
alg vide TMB P-07					
alg 187.39 m ³ P-07					
alg 21.99 m ³ P-15					
T/alg 209.38 m ³ @ 189.39/m ³ ⇒					39654.00/-
(66) construction of G.S.B. by					
providing well graded material -					
spreading in uniform layers -					
(A) For flexible road -					
alg vide TMB P-08 -					
alg 279.45 m ³					
alg 556.50 m ³ P-15.					
T/alg 835.95 m ³ @ 2872.57/m ³ ⇒					2401325.00/-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(B) For Right Road.					
alg vide TMB P-03.					
alg 43.393 m ³					
alg 7.80 m ³ P-16					
T/alg 51.193 m ³ @ 2872.57/m ³					= 1,47,055.00.
07) Providing, laying, spreading and compacting Stone Aggregate WBM - GR III-					
(A) Flexible Road -					
alg vide TMB P-17					
alg 290.64 m ³ @ 3496.15/m ³					⇒ 10,16,121.00
(B) Rigid Road -					
alg vide TMB-08.					
alg 132.716 m ³					
alg 10.73 m ³					
T/alg 143.44 m ³ @ 3496.15/m ³					⇒ 50,14,88.00
(08) Providing and applying primer coat with Bitumen emulsion SS, on prepared surface					
alg vide TMB P-17					
alg 3874.95 m ² @ 51.78/m ²					⇒ 2,00,645.00/-
09) Providing and applying tack coat with Bitumen emulsion					
(RSI)					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
alg vide TMB-P-18.					
alg 3874.95 m ² @ 17.38/m ² ⇒					67347.00/-
(10) Providing leveling and rolling of close graded premix surfacing carpet (S90)					
alg vide TMB-P-18.					
alg 3874.95 m ² @ 235.18/m ² ⇒					911311.00
(11) constructing unreinforced plain cement concrete pavement (M30)					
alg vide TMB-P-09.					
alg 283.14 m ³					
alg 22.87 m ³					
alg 306.00 m ³ @ 8262.01/m ³ ⇒					25,28,176.00
(12) R.C.C M 15 grade of concrete-					
(i) km stone- vide TMB-P-18.					
alg 03.00 Nos @ 2590.67 each ⇒					7772.00
(iii) 200mt Stone- vide TMB-P-18.					
alg 07 No @ 702.89 each ⇒					4920.00
(13) R.C.C M 15 grade of cement concrete boundary pillar.					
alg vide TMB-P-19.					
alg 80.00 Nos @ 544.87 each =					43590.00
(14) Providing and fixing Retro-reflective sign.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(ii) 600 mm dia circular - (Speed limit)					
alg vide TMB - (19)					
alg 10.00 No @ 5649.56/m each $\Rightarrow$					56496.00
(iii) 600 mm. equilateral triangle -					
alg 06 No @ 6499.08 each $\Rightarrow$					38694.00
(iv) 600 mm x 450 mm. rectangular					
alg 03 - P-06.					
alg 01 P-19					
alg 04 No @ 5494.43 each $\Rightarrow$					21978.00
(15) Providing and laying of hot applied thermoplastic compared -					
(A) Flexible road -					
alg vide TMB - P-19					
alg 203.20 m ² @ 850.93/m ² $\Rightarrow$					172909.00
(B) Rigid road -					
alg vide TMB - P-19					
alg 100.00 m ² @ 947.57/m ² $\Rightarrow$					94757.00.
(16) Planting of trees by the road side - and maintaining the plants for one year.					
alg vide TMB - P-20.					
alg 120 Nos @ 817.41 each $\Rightarrow$					98089.00/-

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(17) Providing and erecting direction band.					
alg vide TMB P-20.					
alg 01 nos @	3585	70 each	⇒		3586.00/-
(18) Providing and laying R.C.C duct pipe 300mm dia					
alg vide TMB P-09.					
alg 53.00 mt @ 92.37/m			=		51536.00/-
(19) Providing and fixing NIMLEY 1080 g information, citizen and Mainframe band.					
alg vide TMB P-10 -					
alg 3.00 Nos					
alg 2.00 No - P-20					
T/alg 5.00 Nos @	11871	72 each	=		59359.00
Subtotal Amount (Rs) - (A)			⇒		94,51,065.00
(B) Abstract of cost of 600 mm dia Hum Pipe culvert.					
1) Work work in excavation for foundation of structure					
alg vide TMB P-20					
alg 15.662 m ³ @ 261.90/m ³			⇒		4102.00/-

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
02) Providing m/s grade concrete as levelling course in foundation.					
alg vide TMB P-20.					
alg $2.846 \text{ m}^3 @ 6562.93/\text{m}^3 \Rightarrow$					18678.00
03) Providing concrete in proper foundation. RCC M20					
alg vide TMB P-21.					
alg $13.869 \text{ m}^3 @ 7248.07/\text{m}^3 \Rightarrow$					100454.00
04) Providing and laying NP 2 RCC hume pipe 600 mm dia					
alg vide TMB P-21					
alg $750 \text{ m} @ 1930.52/\text{m} =$					14479.00.
05) Painting two coats of Synthetic enamel Painting.					
alg vide TMB-P-21					
alg $60.84 \text{ m}^2 @ 108.98/\text{m}^2 \Rightarrow$					6630.00.
(B) Subtotal Amount (Rs)					144343.00/-
(C) Abstract cost of Parapet wall -					
(1) Brick masonry in cm (1:3) in Parapet					
alg vide TMB-P-21					
alg $3.12 \text{ m}^3 @ 6318.34/\text{m}^3 \Rightarrow$					19713.00/-

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
02) Paving P.C.C. M20 coping on the T.P.G. wing wall, external wall etc					
alg vide TMB P-22					
alg 13.00 mt @ 484.81/m ² ⇒					6303.00
03) plastering with cement-mortar. (1:4) on brick wall.					
alg vide TMB P-22					
alg 21.76 m ² @ 206.43/m ² ⇒					4492.00
Subtotal - Amount (Rs)					30,508.00

Summary of Abstract of cost:-			
(A) Road const. cost P-(28)	9451065.00/-		
(B) H.P. culvert const cost P-29	144343.00/-		
(C) Parapet const. cost P-30	30508.00/-		
Total - cost (A+B+C) -	9625916.00/-		
Less @ 0.01% below as per Agreement -	963.00/-		
Net Amount (Rs)	9624963.00/-		
Less 2st A/c Bill Amount (Rs) -	4322132.00/-		
Net payable Amount (Rs)	53,02,831.00/-		

26/05/2022
J. (Seal)

Satisfied with
20-06-2022
A.P.

C.P.
N. J.
29.11.22