

200/2 on 4/c Bill

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work → Construction of Road from Usmanpur Kanjar to Hella village.					
C. Head → M.M.G.S.Y (M.D.B.)					830.50
Agency → M/s. Vardhya Construction Saharanpur					
Approximate no. → 05/08/2023-24					
Date of work start → 21/08/2023					As per
Date of Completion → 20/08/2024					Agreement
Total length of Road → 1.340 km					
Date of measurement → 25/2/24					
					15/08/24

H.P. at least → 1x1000 mm p

(1) P/v E/W in excavation for foundation of structures — do — do
 GOR all Comp job

H/W ⇒ $0.2 \times 6.45 \times 1.400 \times 1.500 = 27.09 \text{ m}^3$
 Bed pipe ⇒ $0.1 \times 4.850 \times 1.130 \times 0.250 = 2.708 \text{ m}^3$
 Total Qty = 29.798 m

(2) P/v P.C.C (1:2:5) as

levelling course in foundation —
 do — do with all Comp job

H/W ⇒ $0.2 \times 6.45 \times 1.400 \times 0.150 = 2.709 \text{ m}^3$
 Bed pipe ⇒ $0.1 \times 4.850 \times 1.130 \times 0.250 = 1.385 \text{ m}^3$

Continuation

Total Qty = 4.594 m

ABSTRACT OF COST

For 2nd & final bill

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① P/2 firing at working Bay / Reference pillars	do	do	do	do	
all comp job					
Est. vide Gen. no. (1) & P.No. (9)					
at TMB is			2.00 nos		
Rs 4447.38 / nos					8894.76
② P/2 firing reference pillars					
Est. vide Gen. no. (2) & P.No. (9)					
at TMB is			0.5 nos		
Rs 2068.10 / nos					1034.05
③ P/2 Box Cutting in Soil using manual means					

all comp job					
Est. vide Gen. no. (3) & P.No. (9)					
at TMB is			31.50 m		
Rs 103.85 / m					3271.20
④ clearing & grubbing of land					
land	do		do	do	
all comp job					
Est. vide Gen. no. (3) & P.No. (9)					
at TMB is			0.924 ha		
Rs 22697.86 / ha					20974.12
⑤ Cost of embankment at road					
road adjacent from road way					
Cutting					
Est. vide Gen. no. (5) & P.No. (9)					
at TMB is			18.90 m		
Rs 80.56 / m					1522.56

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ Contn of embankment work appeared materials obtained from borrow pits and lead upto 100 mtr - do - - - do					
with all Comp. job Exp. No. Item no - (24) 2 P.No -					
②⑤ of TMB 20 → 130682 m ³ at 124.23 m ³ - - - \$9,97,422					
⑦ Contn of embankment work appeared materials obtained from borrow pits and lead upto - 1000 mtr. - - -					
- do with all Comp. job Exp. No. Item no - (25) 2 P.No -					
②⑤ of TMB 20 → 477373 m ³ at 255.23 m ³ - - - \$1,24,536					
⑧ Contn. of Sub grade & earthwork Shoulder - do - - do					
with all Comp. job Exp. No. Item no - (26) (27) (28) 2 P.No (31)					
②⑤ of TMB 20 → 778951341.88 + 156360 at 263.32 m ³ - - - \$5,30,162					
⑨ Contn. of GSB by providing well graded materials - do - do with all Comp. job Exp. No. Item no (11) 2 P.No - (11)					
Continuation of TMB 20 → 877671 m ³ at 311.12 m ³ - - - \$92,20,536					

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
(10) P/s applying Primer coat over Prepared Emulsion (SS-I) on prepared Surface do do with all Group jobs Off. vide Genl. No. - (9) & P. No. - (18) of TMB is $\rightarrow 3815.00 \text{ m}^2$ at 6.01/m ² $\rightarrow 9,32,753.00$				
(11) P/s applying Thick coat over Prepared Emulsion (PS-I) on prepared Surface do do with all Group jobs Off. vide Genl. No. - (9) & P. No. - (19) of TMB is $\rightarrow 3815.003$ at 20.92/m ² $\rightarrow 80,000.00$				
(12) P/s applying & rolling of close grained Primer Surface with all Group jobs do with all Group jobs Off. vide Genl. No. (19) & P. No. - (20) of TMB is $\rightarrow 3215.00$ at 25.00/m ² $\rightarrow 11,37,023$				
(13) P/s applying & rolling of Group Stone masonry of specific sizes to 100mm Gr. III do do with all Group jobs				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Def. nite item no - (11) 2 P.No. (5)					
of TMB is					93.649 m
Def. nite item no (2)					
2 P.No. (11) of TMB					286.082 m ³
TMB of					383.731 m
of 4867.88/m ³					1867.945
(14) Construction of the 120 Paved					
with concrete					done
with					do
with all group job					
Def. nite item no - (13) 2 P.No. (12)					
of TMB is					208.08 m
of 8902.43/m ³					18.53.466
(15) Laying brick Salp on prepared					
Sub grade					do
with all group job					
Def. nite item no - (11) 2 P.No. (20)					
of TMB is					340.00 m ²
of 498.01/m ²					1.69.323.0
(16) P/2 of 200 RCB cur. for do					
Ordinary Kilometer Stone Paved					
do					do
Def. nite item no (12) 2 P.No. (20)					
of TMB is					02 Nos
of 2814.52 Nos					5629.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) P/o of firing 200 mtr Stone Pucca					
do do do all Comp job					
Exp. rate Gem No - (13) & P.No - (20)					
at TMB do → 02 Nos.					
at 593.03 Nos					4758.00
(13) P/o of firing of typical CMG					
Information board					
Exp. rate Gem No - (20) & P.No -					
at TMB do → 02 Nos					
Exp. rate Gem No - (20) & P.No -					
P.No - (21) at TMB do → 02 Nos					
Total at → 04 Nos					
at 11361.06 Nos					45444.00
(14) P/o of firing RCC M.S. grs do					
boundary pillars do					
do do do all Comp job					
Exp. rate Gem No - (14) & P.No - (21)					
at TMB do → 22 Nos					
at 652.69 Nos					14,403.00
(20) P/o of firing 600mm square					
rectangle board					
Exp. rate Gem No - (16) & P.No - (21)					
at TMB do → 02 Nos					
at 4203.33 Nos					8403.00
(21) P/o of firing 600mm x 450mm					
rectangular board					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Exp. side Geny no - (17) & P.No (21)					
of TMB is → 02 Nos					
@ 5474.72/Nos					10,949.00
(22) P/s of 900mm side					
original board - do					
do - do all Comp. f/s					
Exp. side Geny no - (18) & P.No					
- (24) of TMB is → 02 Nos					
@ 5556.50/Nos					19,913.00
(23) P/s Road marking with HTP					
applied + Formablastic					
Continued on next Page					
Exp. side Geny no - (19) & P.No					
- (22) of TMB is → 200 m ²					
@ 784.74/m ²					1,56,948.00
(24) P/s Road marking with					
HTPE on Road Surface					
do - do all Comp. f/s					
Exp. side Geny no - (20) & P.No (22)					
of TMB is → 68.00 m ²					
@ 891.75/m ²					60,639.00
(25) Photo of trees by the Road					
Sides - do - do all					
all Comp. f/s					
Exp. side Geny no - (21) & P.No (22)					
of TMB is → 100 Nos					
@ 1248.41/Nos					1,24,841.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(26) Discontinuation of existing structures Common concrete pavement - do do all Comp job Exp. no. 1000 no - (3) & P.N.O. (3) at TMB no - 1.235 m ² at 355.93/m ² - 1183.00					
(27) Removal of existing existing common road do do all Comp job Exp. no. 1000 no - (3) & P.N.O. (3) at TMB no - 51.025 m ² at 31.408/m ² - 1632.2					
(28) Removal of discontinued H.P. - do - do all all Comp job Exp. no. 1000 no - (3) & P.N.O. (3) at TMB no - 22.508 m ² at 248.24/RM - 5596.00					
(29) P/E/W excavation for foundation of structures - do do all all Comp job Exp. no. 1000 no - (16) & P.N.O. (16) at TMB no - 55.596 m ² Exp. no. 1000 no - (11) & P.N.O. (11) at TMB no - 29.298 m ²					

Continuation

at 363.28/m² - 88.299 m²
at 363.28/m² - 94263.00

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
(30) P/L Rec M15 as boundary curve in foundation - do - do				
all Comp. fill				
Exp. note Item no - (13) & P.No (2)				
of TMB. is $\rightarrow 9.189 \text{ m}$				
Exp. note Item no - (2) &				
P.No (15) of TMB. is $\rightarrow 4.554 \text{ m}$				
Total Exp. $\rightarrow 13.783 \text{ m}$				
of 6228.53/100				92,740.0
(31) P/L Rec M20 in Substructure				
do - do - do all Comp. fill				
Exp. note Item no - (16) & P.No -				
(2) of TMB. is $\rightarrow 67.486 \text{ m}$				
Exp. note Item no (2)				
P.No - (16) of TMB. is $\rightarrow 33.743 \text{ m}$				
Total Exp. $\rightarrow 101.229 \text{ m}$				
of 2243.89/100				2,83,908
(32) P/L & laying Rec NP3 for Culverts in lot class bridge				
do - do - do all Comp. fill				
Exp. note Item no - (19) & P.No (2)				
of TMB. is $\rightarrow 15.00 \text{ RM}$				
Exp. note Item no $\rightarrow 0.2.50 \text{ RM}$				
Total Exp. $\rightarrow 22.50 \text{ RM}$				
of 2440.15/RM				1,67,403.0

Continuation

§ 106,24,767-00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(33) P/L 607/20 on P/W 1/1 - do					
do - 2079 2/1 Group job					
Opp. side of stem no. (5) 2 stem					
no (6) of P.NO - (14) of TMB					
2P → 1802 m ² + 26.07 m ²					
107 = 107 → 5106 m ²					
at 127.28/m ²					§ 6880.00
(34) P/S 649/20 PCC 300 mm					
do - do - do - 2079					
2/1 Group job					
Opp. side of stem no. (22) 2 P.NO					
(22) of TMB 20 → 2250 RM					
at 1004.44/RM					§ 22,600
					§ 106,59,247
					19,17,764
G.S.T @ 18%					§ 100,06,592
Less @ 1%					§ 126,78,553
Before 1% fee Details:-					
(i) E/W in concrete work - 1786 m ²					
@ 35.01/m ²					→ § 62,534.00
(ii) Subgrade & Earthwork - 203325					
@ 35.01/m ²					→ § 7,11,988
(iii) G.S.B. → 229631 m ²					
@ 29.568/m ²					§ 6,9,462.00
(iv) WBM Gr-II → 383731 m ²					
@ 1408.22/m ²					§ 5,40,7,61.00

Continuation

§ 13,28,245.00

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
(v) 155 → 3815.003 m ²				
at 15.82/m ²				233.00
(vi) For 150 ft from 150 → 208.00 m				
at 10.10/100 m				2.1966 = 0
vii) Cable x. sup → 22.50 m				
at 5.60/100 m				1161 = 0
viii) Kilometer from 150 → 200 m				
at 74.65/100 m				148 = 0
k) 200 m from 150 → 600 m				
at 31.41/100 m				188 = 0
(x) Boundary for 150 → 22 m				

$\text{US\\$ } 188 / \text{m}^2$ — $\text{\\$ } 400.00$ a) fee of 15 sq ft foundation — 13783 m^2 $\text{US\\$ } 1026.64 / \text{m}^2$ — $\text{\\$ } 14,288.00$ a) ii) fee of 1/10 sq ft sub — $10 + 229 \text{ m}^2$ $\text{US\\$ } 1105.74 / \text{m}^2$ — $\text{\\$ } 1,11,933.00$ a) iii) P/sb ppg — $1000 \text{ mm H.R.} - 22506 \text{ sq ft}$ $\text{US\\$ } 76 / \text{sq ft}$ — $\text{\\$ } 17.00$ $\text{Total} = \text{\\$ } 17,28,670.00$ Hence S fee $= 10\% \text{ of Total cost}$ $= 10\% \text{ of } 17,28,670$ $= \text{\\$ } 1,72,870.00$ $\text{Total} = \text{\\$ } 15,55,800$ $\text{Total} = \text{\\$ } 15,55,800$ 	$\text{\\$ } 17,28,670.00$ $\text{\\$ } 1,72,870.00$ $\text{\\$ } 15,55,800.00$
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Total Materials Requirement		R.	S.P.
F/W $\rightarrow$	3798.568 m ³	125386	1953
i) Coarse Sand $\rightarrow$	461.32 m ³		
ii) Fine Sand $\rightarrow$	13.60 m ³		
iii) Stone Muff $\rightarrow$	1201.55 m ³		
iv) Stone Screening $\rightarrow$	92.095 m ³		
v) Stone chips $\rightarrow$	393.715 m ³		
vi) Bitumen (5%) $\rightarrow$	7.249 MT		
vii) Bitumen Emulsion (SS-I) $\rightarrow$	3.243 MT		
viii) Bitumen Emulsion (PS-I) $\rightarrow$	1.05 MT		
ix) Pavers (100 m ²) $\rightarrow$	20988 Nos		

Continuation