

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work - Construction of Road from Palampur Gurisarne Road to Ramgarh Under Head M.M.S.T. (S.C.)					
Name of Agency - Surendra Kumar, At - vill - Tekra Khurd, P.O. H.P.S. - Dumazig, Distt - Gaya.					
Agreement No. - 34 / M.M.S.T. / S.C.					
S.B.D. / 2020-21					
Date of commencement - 2.7.20					
Date of completion - 01.07.21					
Date of measurement - 3.2.21					
1) Const. of Bench mark & Reference Pillars					
etc					
(i) Const. of Reference & working bench mark					
etc					
1.493 K.M.					
(ii) Reference Pillars					
Asien - -					

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	No.	L.	B.	D.	
		1.493 K.	M.		
(2) clearing & Grubbing					
road land - - etc					
49 x 30.00m x 7.00m =					10290.00
1 x 23.00m x 7.00m =					161.00
					10451.00
					= 1.045 Hec
(3) E/W in excavation					
of found. of Str					
- - etc					
(1000 mm ϕ H.P.C. - 04 Nos)					
H.W. - 4 x 2 x 6.30m x 1.40m x 0.15m =					105.84 m ³
Below pipe - 4 x 1 x 5.90m x 1.50m x 0.25m =					10.12 m ³
					116.46 m ³
(4) Plv P.C.C. M15 in					
open found. - - etc					
(1000 mm ϕ H.P.C. - 04 Nos)					
4 x 2 x 6.30m x 1.40m x 0.15m =					10.58 m ³
(5) Plv P.C.C. M20 in					
open found. - - etc					
(1000 mm ϕ H.P.C. - 04 Nos)					
H.W. - 4 x 2 x 6.00m x 1.25 x 0.80					
					2
					x 1.55 m = 66.42 m ³
Below pipe - 4 x 1 x 5.90m x 1.50m x 0.25m =					8.85 m ³
					75.27 m ³
(6) Plv P.C.C. M20 in Sub					
structure - - etc					

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	No.	L.	B.	D.	
(6) Plv 4 Layer R.C.C.					
pipe N ₁₂ 1000 mm					
φ --- etc					
4 x 3 x 2.50 m =					30.00 m
(7) Plv P.C.C. M20 in					
Sub-Structure ---					
etc					
(1000 mm φ H.P.C. - 04 Nos)					
4 x 2 x 6.00 m x 0.80 + 0.40 + 0.40					
					x 1.80 m = 46.08 m ³
4 x 2 x 6.00 m x 0.40 m x 0.60 m = 11.52 m ³					
Deduct pipe portion					
4 x 2 x 3.14 x (1.20 m) x 0.80 + 0.40					= 5.43 m ³
					2 m
					52.17 m ³
(8) Filling in found.					
trenches --- etc					
(1000 mm φ H.P.C. - 04 Nos)					
4 x 2 x 6.00 m x 0.075 + 0.525 m					
					x 1.35 m = 19.44 m ³
4 x 1 x 6.30 m x 1.50 m x 0.90 m = 34.02 m ³					
(9) 4 x 1 x 6.30 m x 0.91 m = 22.95 m ³					
					30.53 m ³
(9) Const. of culbume					
ment with material					
obtained from					
borrow pits --- etc					

Sch. XLV-Form No. 134

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	No.	L.	B.	D.	
Ch. Clearance		means	length		volume
(m)	(m ²)	area(m ²)	(m)		(m ³)
0	1.515	—	—	—	—
50	3.582	2.549	50		127.45
100	3.473	3.528	50		176.40
150	3.859	3.666	50		183.30
200	2.787	3.323	50		166.15
250	2.480	2.634	50		131.70
300	2.767	2.624	50		131.20
350	2.711	2.739	50		136.95
400	2.768	2.740	50		137.00
450	2.885	2.827	50		141.35
500	2.056	2.471	50		123.55
550	3.884	2.970	50		148.50
600	2.710	3.297	50		164.85
650	3.472	3.091	50		154.55
700	2.925	3.199	50		159.95
750	2.407	2.666	50		133.30
800	2.180	2.294	50		114.70
850	2.114	2.147	50		107.35
900	2.724	2.419	50		120.95
950	1.250	1.987	50		99.35
1000	1.435	1.343	50		67.15
1050	1.235	1.335	50		66.75
1100	2.210	1.723	50		86.15
1150	2.644	2.337	50		116.85
1200	3.788	3.126	50		156.30

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	No.	L.	B.	D.	
1250	2	309	3	049-50	-152.45
1300	2	752	2	531-50	-126.55
1350	1	832	2	292-50	-114.60
1400	2	022	1	927-50	-96.35
1450	2	048	2	035-50	-101.75
1493	1	252	1	60 + 650 43	-70.95
					3814.40 m ³
Less 20% for slope & Raincut					-51762.88 m ³
					3051.52 m ³
(a) For 1000 m Lead					120.12
30% of 3051.52 m ³					= 915.46 m ³
(b) For 100 m Lead					151.22
70% of 3051.52 m ³					= 2136.06 m ³
<u>Remarks</u>					
3.2.21					
J.E					
Date of measurement					12.4.21
(1) Consist of Sub-grade					
& El shoulder - - -					
etc					
12 x 30.00 m x $\frac{7.18+8.38}{2}$ m x 0.30 m					= 840.24 m ³
12 x 30.00 m x $\frac{7.18+8.38}{2}$ m x 0.30 m					= 840.24 m ³
13 x 30.00 m x $\frac{7.18+8.38}{2}$ m x 0.30 m					= 910.26 m ³
1 x 18.00 m x $\frac{7.18+8.38}{2}$ m x 0.30 m					= 42.01 m ³
					2632.75 m ³

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	No.	L.	B.	D.	
② Const. of G.S.B.					
by Plv well graded					
material gr. - etc					
10 x 30.00m x 4.05m x 0.20m					243.00 m ³
10 x 30.00m x 4.05m x 0.20m					243.00 m ³
10 x 30.00m x 4.05m x 0.20m					243.00 m ³
7 x 30.00m x 4.05m x 0.20m					170.10 m ³
1 x 18.00m x 4.05m x 0.20m					14.58 m ³
6 x 30.00m x 3.75m x 0.10m					164.03 m ³
5 x 30.00m x 3.75m x 0.10m					56.25 m ³
					1133.96 m ³
③ Plv & Paving of					
typical m.m.c.v. in					
formatory sign					
board - etc					
Citizen Information Board -					01 No
Citizen Information board -					01 No
					02 Nos
<u>Placed</u>	<u>V. Nk</u>				
12.4.21	12.4.21				
J.E	DE				

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
($\frac{1}{1,2}$) Const. of Bench mark & Reference Pillars --- etc					
(i) Reference & working bench mark ---					
Qty vide TMB					
Page No. (01) - 1.493 KM					
@ ₹ 4606.51/KM ---					₹ 6878.00
(ii) Reference Pillars/Bridges					
Qty vide TMB					
Page No. (02) - 1.493 KM					
@ ₹ 2969.10/KM ---					₹ 4423.00
($\frac{2}{3}$) Clearing & Grubbing road land --- etc					
Qty vide TMB					
Page No. (2) - 1.045 Hect					
@ ₹ 51161.75/Hect ---					₹ 53720.00
($\frac{3}{20}$) Earth work in excavation for structure --- etc					
Qty vide TMB					
Page No. (2) - 116.46 m ³					
@ ₹ 294.73/m ³ ---					₹ 34324.00
($\frac{4}{31}$) Plv P.C.C. M/S in open found. --- etc					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty vide TMB					
Page No. (2) -	10.58 m ³				
@ ₹ 4103.80/m ³ -	₹ 43418.00				
($\frac{5}{32}$) Plv P.C.C M20 in					
open found. - etc					
Qty vide TMB					
Page No. (02) -	75.27 m ³				
@ ₹ 4345.22/m ³ -	₹ 327065.00				
($\frac{6}{36}$) Plv & Layie R.C.C					
Pipe N P ₃ 1000 mm					
H.P. - etc					
Qty vide TMB					
Page No. (3) -	30.00 m				
@ ₹ 4042.32/m -	₹ 121270.00				
($\frac{7}{35}$) Plv P.C.C M20 in					
Sub-structure - etc					
Qty vide TMB					
Page No. (03) -	52.17 m ³				
@ ₹ 4772.00/m ³ -	₹ 248955.00				
($\frac{8}{38}$) Filling in found					
trenches - etc					
Qty vide TMB					
Page No. (3) -	30.58 m ³				
@ ₹ 4781.11/m ³ -	₹ 14597.00				
($\frac{9}{67}$) Const of curb					
ment with material					
obtained from					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
borrow pits --					
(a) For 1000 m lead					
Qty vide TMB					
Page no. (5) - 915.46 m ³					
@ ₹ 175.22/m ³					₹ 160407.00
(b) For 100 m lead					
Qty vide TMB					
Page no. (5) - 2136.04 m ³					
@ ₹ 139.79/m ³					₹ 298597.14
($\frac{10}{8}$) Const. of Sub-grade & Shoulder					
-- etc					
Qty vide TMB					
Page no. (5) - 2632.75 m ³					
@ ₹ 183.51/m ³					₹ 483136.00
($\frac{11}{4}$) Const. of G.S.B. by Plv well graded material gr 2 -- etc					
Qty vide TMB					
Page No. (6) - 1133.96 m ³					
@ ₹ 1546.70/m ³					₹ 1753896.14
					₹ 3550696.00
Add 10% G.S.T. - (+) ₹ 426084.00					
Add 1% Labour cost (+) ₹ 35507.00					
					₹ 4012287.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B/P & 4012287.00
Less 16.25% below C-1 & 65					1997.00
					₹ 3360290.00
Thanks					
12.4.21					
J.E.					

Material Statement

(i) Stone Aggregate -

40mm - 50.96 m³ @ 441.08/m³20mm - 48.42 m³ @ 550.85/m³10mm - 23.79 m³ @ 614.17/m³

(ii) Coarse sand

62.43 m³ @ 150.80/m³

(iii) Fine sand.

36.64 m³ @ 116.85/m³

(iv) Earth work -

5684.25 m³ @ 23.78/m³

(v) G.S. B. materials

53-9.5 mm - 725.73 m³ @ 516.42/m³9.5 mm to 2.36 mm - 290.29 m³ @ 411.33/m³2.36 mm below - 435.44 m³ @ 150.80/m³

Thanks

12.4.21

J.E.