

Sri Rana RanBIR SINGH

Ag No - 54 (SBD) / 2020-21

Name of Road - PRAESY HARNI TO -

AHRADH

Head - PRAESY (SC)

Measurement Book

Schedule XLV-Form No. 134

MB-2710

ROAD JAMUNI -

DIVISION

ROAD KHATRA -

SUB-DIVISION

3rd on A/c Bill

Name of work - Construction of Road from Phussy
Harri Road to Ahra di h.

Agreement No - 54 (SBO) / 2020-21

Agency - Rana Ranbir Singh, At - Chosh,
Manjosh, P.S - Sikandra, Dist - Jammu

Date of commencement - 22-08-2020

Date of completion - 21-08-2021

Agg. construction cost ₹ 2,58,46,214=00

Agg. maintenance cost ₹ - 40,75,278=00

₹ 2,99,21,492=00

Date of Record measurement -

Continuation

Description of work					
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Construction of embankment with material obtained from borrow pits with a lift upto 1.5m — d — d — all complete job					
Sl. No	Ch	Area (m ²)	Mean Area	Distance (m)	Volume (m ³)
1	0	2.190	—	—	—
2	100	1.450	1.820	100	182.00
3	200	1.420	1.435	100	143.50
4	300	1.440	1.430	100	143.00
5	400	1.430	1.435	100	143.50
6	500	1.070	1.250	100	125.00
7	600	4.120	2.595	100	259.50
8	700	3.590 5.890	3.855 5.005	100	385.50 500.50
9	800	6.480	6.185	100	618.50
10	900	6.450	6.465	100	646.50
11	1000	6.460	6.455	100	645.50
12	1100	5.310	5.885	100	588.50
13	1200	4.860	5.085	100	508.50
14	1300	4.970	4.915	100	491.50
15	1400	5.510	5.240	100	524.00
16	1500	5.350	5.430	100	543.00
17	1600	5.320	5.335	100	533.50
18	1700	5.340	5.330	100	533.00
19	1800	5.310	5.325	100	532.50
20	1900	5.370	5.340	100	534.00
21	2000	4.750	5.060	100	506.00
22	2100	4.980	4.865	100	486.50
23	2200	5.450	5.215	100	521.50
24	2250	5.360	5.405	50	270.25

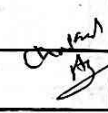
Continuation A - 9980.2573

iculars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ Prime coat (SS-1) - Providing and Applying primer coat with Bitumen emulsion (SS-1) on surface - do - do - all complete job as Per E11 Part A'					
	10	30	3.75	=	1125.00 M ²
	1x15	$\frac{4.00+4.80+3.90}{3}$		=	63.50 M ²
	10	30	3.75	=	1125.00 M ²
	7	30	3.75	=	787.50 M ²
	1x15	$\frac{4.10+5.00+4.00}{3}$		=	65.50 M ²
	8	30	3.75	=	900.00 M ²
	1x15	$\frac{4.05+4.85+4.10}{3}$		=	65.00 M ²
	10	30	3.75	=	1125.00 M ²
	1x15	$\frac{4.20+5.40+4.10}{3}$		=	68.50 M ²
	2	30	3.75	=	225.00 M ²
Charging	1x15	$\frac{3.90+4.70+4.00}{3}$		=	63.00 M ²
	3	30	3.75	=	337.50 M ²
	1x15	$\frac{4.00+5.30+3.95}{3}$		=	66.25 M ²
	2	30	3.75	=	225.00 M ²
Part B'			(A)	874 =	6241.75 M ²
	1x15	$\frac{6.00+4.00}{2}$		=	75.00 M ²
	7	30	3.75	=	787.50 M ²
				B -	862.50 M ²
Part C'	1x15	$\frac{6.70+4.00}{2}$		=	80.25 M ²
	10	30	3.75	=	1125.00 M ²
	1x15	$\frac{3.80+4.70+4.00}{3}$		=	62.50 M ²
	10	30	3.75	=	1125.00 M ²
	1x10	$\frac{3.85+4.50+3.90}{3}$		=	40.83 M ²
	2	30	3.75	=	225.00 M ²
	Continuation C' -				2658.58 M ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Part B'	1x	5x	$\frac{6.00+4.00}{2}$	=	75.00 M ²
	7x	30x	3.75	=	787.50 M ²
				B' -	862.50 M ²
Part C'	1x	15x	$\frac{6.70+4.00}{2}$	=	80.25 M ²
	10x	30x	3.75	=	1125.00 M ²
	1x	15x	$\frac{3.80+4.70+4.00}{3}$	=	62.50 M ²
	10x	30x	3.75	=	1125.00 M ²
	1x	10x	$\frac{3.85+4.50+3.90}{3}$	=	40.83 M ²
	2x	30x	3.75	=	225.00 M ²
				C' -	2658.58 M ²
Part D'	5x	30x	3.75	=	562.50 M ²
	1x	15x	$\frac{4.20+5.20+3.90}{3}$	=	66.50 M ²
	7x	30x	3.75	=	787.50 M ²
	1x	15x	$\frac{4.00+5.00+3.95}{3}$	=	64.75 M ²
	1x	30x	3.75	=	112.50 M ²
	1x	5x	3.75	=	18.75 M ²
				D' -	1612.50 M ²
Total Qty = A+B+C+D'					
= 11375.33 M ²					
⑧ M.S.S. Type B' - providing, laying, and rolling of closed graded precast surfacing material - do - do - all complete job as per E/I					
Part B'	10x	30x	3.75	=	1125.00 M ²
	1x	15x	$\frac{4.00+4.80+3.90}{3}$	=	63.50 M ²
	10x	30x	3.75	=	1125.00 M ²
	7x	30x	3.75	=	787.50 M ²
	1x	15x	$\frac{4.10+5.00+4.00}{3}$	=	65.50 M ²

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Side of WBM No. 10</u>					
	2	10	30	1.295×0.075	58.28 m^2
	2	15	30	1.295×0.075	87.41 m^2
	2	3	30	$\frac{1.2 + 1.0}{2} \times 0.075$	14.85 m^2
	2	5	30	$\frac{1.70 + 1.50}{2} \times 0.075$	36.00 m^2
Checked by 	2	10	30	1.295×0.075	58.28 m^2
	2	10	30	1.295×0.075	58.28 m^2
	2	3	30	$\frac{1.50 + 1.60}{2} \times 0.075$	20.93 m^2
	2	10	30	1.295×0.075	58.28 m^2
	2	10	30	1.295×0.075	58.28 m^2
	2	3	30	$\frac{1.60 + 1.50}{2} \times 0.075$	20.93 m^2
	2	10	30	1.295×0.075	58.28 m^2
	2	3	30	$\frac{1.80 + 1.50}{2} \times 0.075$	22.78 m^2

	2	3	30	1.290×0.075	17.41 m^2
	2	3	30	1.10×0.075	14.85 m^2
	2	2	30	$\frac{0.90 + 1.10}{2} \times 0.075$	9.00 m^2
For C.C. Position					'B' — 593.34 m^2
<u>(Side of C.S.B. No. 10)</u>					
	2	5	30	1.39×0.175	72.98 m^2
	2	5	30	1.39×0.175	72.98 m^2
	2	5	30	1.00×0.175	52.50 m^2
Checked by 	2	5	30	$\frac{1.40 + 1.00}{2} \times 0.175$	63.00 m^2
	2	10	30	1.39×0.175	145.95 m^2
	2	3	30	$\frac{1.20 + 1.10}{2} \times 0.175$	36.23 m^2
	2	3	30	1.20×0.175	37.80 m^2
	2	5	30	0.90×0.175	47.25 m^2
	2	5	30	$\frac{0.90 + 0.80}{2} \times 0.175$	44.63 m^2
	1	1	20	1.20×0.175	4.20 m^2
					$\text{Total} = 577.52 \text{ m}^2$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
H.W.	2	6.150	0.825	3.180	$= 32.269 \text{ M}^3$
Parapet	2	6.150	0.400	1.000	$= 4.920 \text{ M}^3$
				Qty	$= 37.189 \text{ M}^3$
Less for pipe	2	0.7857	$(1.23)^2$	0.6225	$(-) 1.479 \text{ M}^3$
				Qty	$= 35.710 \text{ M}^3$
(24) providing and laying R.C.C MP ₃					
pipe for culvert on first class					
bedding - do-do-all complies					
		3	2.50	M	$= 7.50 \text{ M}^3$
(25) Painting two coats including					
primer coat after filling the					
Surtax - do-do-all complies					
Top	10	2	6.150	0.400	$= 49.20 \text{ M}^2$
Side	10	4	6.150	0.600	$= 147.60 \text{ M}^2$
Front	10	4	0.400	0.600	$= 9.60 \text{ M}^2$
				Qty	$= 206.40 \text{ M}^2$
<u>Double</u> 25/07/2021 J.E <u>Ag</u> 29/10/21 AB					

ch. XLV-Form No. 134 ABSTRACT OF COST

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Plv and fixing of working bench mark Pillars reference pillar-do-do -all complete job					
	Qty vide page No (8) in TMB				
	item No (1)				
@ 32726 = 521 km		4.80 km			R 1,57,087 = 00
(2) Clearing and grubbing Road land					
	Qty vide page No (8) in TMB				
	item No (2)				
@ B 51133 = 761 Hq		1.529 Hq			R 78,184 = 00
(3) Construction of embankment with approved material for 1000M lead					
	Qty vide page No 18 in TMB, item No (3)			202.00 M ³	
	Qty vide page No 27 in TMB, item No 1 (A)			13.00 M ³	
@ B 175 = 221 M ³				215.00 M ³	R 37,672 = 00
(4) Construction of embankment with approved material for 100M lead					
	Qty vide page No 19 = 1818.55 M ³ in TMB, item No (4)				
	Qty vide page No 27 = 601.39 M ³ in TMB				
	Qty 2419.94 M ³				
@ 135 = 121 M ³					R 32,6982 = 00
(5) construction of Subgrade & earthen shoulder with approved material					
	Qty vide page No (19) in TMB, item No (5)			5903.10 M ³	
	Qty vide page No (20) in TMB			1011.60 M ³	
	Qty 6914.70 M ³				
@ Rs 178 = 861 M ³ 176 = 861 M ³					R 12,22,934 = 00 12,36,762 = 00

RS- 18,36,688 = 00
18,22,859 = 00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/R B.	1047 1615 = ∞ 1046 0786 = ∞	
(11/15) P.V. laying and rolling of class graded premium surfacing - do - do - all complete job					
Qty vide Page No. (12) in TMB					
@ B 211 = 571 m ²		11375.33 m ²		R	2405996 = ∞
(12/17) construction of un-reinforced plain cement thickness - do - do - all complete job					
Qty vide Page No. (12) in TMB, 16 m N. (8)					483.38 m ²
Qty vide Page No. (14) in TMB, 16 m N. (8)					365.24 m ²
Qty = 848.62 m ² limit 848.62 m ²					
@ B 7131 = 241 m ²				R	60,580,144 = ∞
(13/18) Laying brick setting layer on prepared sub grade with brick - do - do - all complete job					
Qty vide Page No. (33) in TMB 16 m N. (9)					
@ B 504 = 691 m ²		1400.00 m ²		B	706566 = ∞
(14/19) P.V. and laying a R.C. pipe dia. 300 mm dia.					
Qty vide Page No. (20) in TMB 16 m N. (9)					
		142.50 m ²			
@ B 1585 = 491 m ²				R	225,932 = ∞
(15/21) P.V. and laying of KM stone					
Qty vide Page No. (36) in TMB					
		6 m ²			
@ B 2096 = 251 m ²				B	12,578 = ∞
				R	198,75,831 = ∞
				R	19,86,8002 = ∞

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$20604.113 = \infty$ $206179.42 = \infty$ $11,1$
(22/30) Plv and laying of hot appli					
Read manly point for P.C. point					
Qty vide page No (35) in MB					
Item No (10)					
280.00m					
@ B 835 = 34/m					R 233895 = ∞
(23/31) Plv and fixing of R.C.					
Boundary Pillar					
Qty vide page No (37) in MB					
Item No (18)					
80 No					
@ 484 = 52/m					R 38762 = ∞
(24/32) Plv and fixing of erecting					
direction and Place identification					
Sign Board					
Qty vide page No (37) in MB					
Item No (19)					
19 No					
@ R 11656 = 51/m					R 221474 = ∞
(25/33) Plv and fixing of typical					
MMCsy in formatory sign board					
and logo board					
Qty vide page No (38) in MB					
2 No					
Qty vide page No (19) in MB					
3 No					
Qty 5 No					
@ R 9321203/m					R 46605 = ∞
(26/34) E/w in excavation for fund?					
in str					
Qty vide page No (20) in MB					
268.188m					
Qty vide page No (21) in MB					
29.798m					
Limit 297.986m					
@ B 294 = 73/m					R 87824 = ∞
Continuation					$RS - 21246502 = \infty$ $21,232,673 = \infty$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BIFR - 21246502 = ∞ 2,173,2673 = ∞	
(27/25) P/W H/S R.C.C as levelling course					
Qty vide Page No. ②1 in TMB				41.37 M³	
Qty vide Page No. ③7 in TMB				4.595 M³	
			Qty limit	45.97 M³ 45.95 M³	
@ Rs 4847 = 58/M³					Rs 2,22,746 = ∞
(28/36) P/V Plain R.C.C (M-20) in str - door - all complete job					
Qty vide Page No. ②1 in TMB				321.39 M³	
Qty vide Page No. ③8 in TMB				35.710 M³	
				357.10 M³	
@ B - 5986 = 14 / M³					R 2,13,765 = ∞
(29/37) P/W and Levelling R.C.C PLAC N.P. for culvert.					
Qty vide Page No. ②1 in TMB				= 67.50 M³	
Qty vide Page No. ③8 in TMB				= 7.50 M³ <u>75.00 M³</u>	
@ B 3392 = 15 / M³					R 2,54,411 = ∞
(30/38) P/R Painting two coat including primer coat					
Qty vide Page No. ③8 in TMB				206.40 M²	
@ B 97 = 19 / M²					R 20060 = ∞ R 23867.41 = ∞
Add C.S.T. @ 124. (F)				R -	2864105 = ∞
Add L.Cess @ 14. (F)				R,	238,675 = ∞ R 2697032 = ∞
Less @ 10% as per Agreement (F)				R	2697032 = ∞ R 242,7329 = ∞
Deduct previous payment (F) RS					8046629 = ∞ R 1,61,96,660 = ∞
Due to J.E Card					
29/10/2021					
J.E					
Card					
29/10/22					
Continuation					