Baija Bigha Pitch Rd to Ravidash Tola - 17.17.4.84

Schedule XLV—Form No. [illegible]

[illegible]

BIHAR P. W. D.

E.E. R.W.D. Work Aurangabad DIVISION

A.E. Kutumba. SUB-DIVISION

MEASUREMENT. BOOK. No 2787

Agency - Mumeshwar Singh

(ment of the measurements relating to each work)

Particulars	Details of actual measurement No.	L.	B.	D.	Contents or area
	1st on A/c Bill				
Name of Work - Bairga Bigha Pitch Road to Ravidas Tola under Head M.M. G.S.Y					
Agency - Sri Mune Swar Singh; At Salhana P.O. Kataiya Aurangabad					
Agreement No - 70 S.B.D / 2020-21					
Agreement value - Rs- 1851559 =00					
Date of Work Start - 08/06/2020					
Date of Completion - 07/03/2021					
Rate -		10% below for B.O.Q Rate			

	Measurement				
①/2 clearing and Grubbing road land - d - CH I					
2x	10 x 30m	x 3.50m		=	2100.00M2
2x	1x	20m	x 3.50 m	=	140.00M2
					2240M2
				=0.	22 hectare
② Erecting and fixing of typical M.M.G.S.Y Informatory Sign Board - d - d - CH I					
		1x	2	=	2 Nos
Construction of 600mm dia H.P. culvert					
③/25 CH Win excavation for					

Continuation

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Particulars	No.	L	B	D	Contents of area
Foundation of structures					
— do — do — B/I					
H.W. - 2x2x	3.90m x	1.15 x	1.5m =		26.91M3
Below Pipe - 2x	5.350 x	1.13 x	0.365m =		4.41M3
					31.32M3
(26) Providing P.C.C. M15 grade in foundation — d — B/I					
H.W. - 2x2x	3.90 x	1.15 x	0.15 =		2.70M3
Below Pipe - 2x	5.31 x	1.13 x	0.25m =		3.00M3
					5.70M3
(27) Providing placement concrete M20 in sub structure — do — B/I					
Head wall					
2x2x	3.60 x	0.70 x	2.78m =		28.022M3
Parapet 2x2x	3.60 x	0.40 x	0.60 =		3.456M3
					31.478M3
Less for pipe					
2x0.785	7x(0.80)² x	0.53 =			(-) 1.14M3
					30.34M3
(28) Providing & laying R.C.C. pipe NP3 of 600mm dia for culvert — d — B/I					
2x	3x2.5m		=		15.00m
(1)(i) Providing and fixing of working B.M. Pillars — do — d — B/I					
	1x 1No		=		1 No
(5) Construction of embankment material obtained from borrows R+K — d — d — B/I					

Continuation

Qty as per calculation chart

Particulars			Details of actual measurement No	L	B	D	Contents of area
S.No	Cha	Fill Area		Mean Area in M2		Distance	Fill volume
1	0	1.276					
2	50	2.660		1.968		50	98.400m3
3	100	2.956		2.808		50	140.40 "
4	150	1.808		2.382		50	119.100
5	200	1.607		1.708		50	85.375 "
6	250	1.797		1.702		50	85.100 "
7	300	1.775		1.786		50	89.300 "
8	320	1.875		1.825		20	36.580
							654.125m3

Lead upto 100m – 490.63m3

Lead up 1000m – 163.55m3

[signature] 4/2/21

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Measurement

①/3 Excavation for road way
–do– Box Culvert at Ch I

2x 2x 30m x0.375m x0.10m = 4.50m3

2x 1x 10m x0.375 x0.10m = 0.75m3

2x 8x 30m x0.525 x0.10m = 25.20m3

2x 1x 10m x0.525 x0.10m = 1.05m3

31.50 M3

②/4 Construction of embankment
–do– Material deposited
at site –do– Ch I

Qty vide item No ①/3 = 31.50M3 x60%
= 18.90m3

③/9 Providing granular
sub-base –do– GS. B93
–do– at Ch I

Continuation

(A)

Particulars	No.	L	B	D	Contents of area
B.T. Pat.:- 2x	8x	30m x	0.525 x	0.10	= 25.20m3
2x	1x	10m x	0.525 x	0.10m	= 1.05 "
1x	8x	30m x	4.10m 4.05 x	0.10	= 98.40 "
1x	1x	10m x	4.05 x	0.10m	= 4.10 "
in ... 2x	2x	30m x	0.375 x	0.10m	= 4.50 "
2x	1x	10m x	0.375 x	0.10m	= 0.75 "
					134.00m3

(B) In profile correction

1x 9.	60x	1.70m	=16.32m²		
1x 8.	85x	1.80	=15.93 "		
2x 7.	0m x	2.0m	=28.00 "		
1x 10.	35x	1.90	=19.66 "		
1x 9.	85x	1.75	=17.23		
1x 6	0 x	2.0	=12.00		
1x 10.	50x	1.65	=17.32		
1x 9.	45x	1.70	=16.06		
2x 7.	0m x	2.0m	=28.00		
			170.52m²		

volum=170.50m² x 0.10m (AV) = 17.05 M3

Total = 151.05 M3

(4)/10 Bridging Laying Spreading and Compacting — d — W.B.M gr-3 — d —

1x	8 x	30m x	3.75m x	0.075m	= 67.50 m²
1x	1 x	10m x	3.75 x	0.075m	= 2.81 M3
1x	2x	35m x	3.75m x	0.075m	= 19.69 (20.31) M3
					90.00 M3

(5)/14 Construction of un-reinforced — d — Plain Cement Concrete Pavement — d — d — RCC

Particulars	Details of actual measurement No.	L	B	D	Contents of area
1x	2x20m x	3.75m x	0.16m		=36.00m³
1x	1x	10m x	3.75 x	0.16m =	6.00m³
					42.00m³
7.8	Construction of ...				
grade ... earthen					
shoulder — d —				EI	
2x8x	30m x	1.50m x	0.175m		=126.00m³
2x1x	10m x	1.50 x	0.175m		=5.25 "
2x2x	30m x	1.50m x	0.10m		=18.00 "
					149.25m³
Lead -	1000m =		44.77m³		
Lead - 100m			104.48m³		
01/2/21					

14 on A/c (Bill)

Abstract of cost

① (i) Providing and fixing					
of working B.M. Pillar					
— do — do —				EI	
Qty vide T. MB Pg No ②					
=		1 No			
@	39	87=98/each		R-	3988=a
② clearing and grubbing					
road land — d —				EI	
Qty vide T M	B Pg	No ①			
=	0.22 hect				
@	5113=70/hectare			R-	1124=0
③ Providing Box cutting					
— d —	d —		EI		

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Particulars	Details of actual measurement No.	L	B	D	Contents of area
Informatory Sign Board ... d ... I					
Qty vide T.M.B Pg No (1)					
= 2 Nos					
@ 9271=08/each R-					18542=00
construction ... culvert					
(1)/24 ... in excavation for foundation ... d ... I					
Qty vide T.M.B Pg No (2)					
= 31.32 M3					
@ 269=32/M3 R-					8435=00
(26) ... M15 grade ... in foundation ... d ... d ... I					
Qty vide T.M.B Pg (2)					
= 5.70 M3					
@ 5014=09/M3 R-					28580=00
(27) ... cement concrete ... structure ... d ... I					
Qty vide T.M.B Pg No (2)					
= 30.34 M3					
@ 5805=52/M3 R					176139=00
(28) ... and laying R.C.C. Pipe NP3 of dia 600 mm for Culvert ... d ... I					
Qty vide T.M.B Pg No (2)					
= 15.00 M					

Continuation

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Particulars	Details of actual measurement No.	L	B	D	Contents of area
B.F Qty =			15.00 m		
@ 1027 = 2 f/m - R					15409=00
			Total R		1387711=00
Add Labour Cess 1-1-2 G.S.T 12% - R					180402=00
				R	1568113=00
Less 10-1. As per Agmt				@R	156811=00
			Net Rs		1411302=00
01/3/21			1.3.21		C & P
					25/5/21