

Est on A/c Bill

1

Name of work -
 Situation of work -
 Agency by which work is executed -
 Date of measurement -
 No. and date of agreement.
 (These four lines should be repeated at the commencement of the measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work - Construction of Road from Bejrangbali to Bande Siman					
Viya - Kasturba					
Vidyalyaya under Ministry (World Bank)					
Agreement No. 27/588/2020					
Agency - Pankaj Kumar					
Vill+Po - Supaul					
Date of Start - 27-11-2020					
Stipulated date of completion -					
Date of Entry :- 28-01-2021					
Item of work -					
[01] Earth work in Excavation					
[33] of Foundation of Structure					
----- do ----- all comp. Job					
Face wall					
03x02 no. 3 6.30m X 1.40m X 1.50m = 79.38					
Pipe Portion					
03x01 5.9m X 1.50m					
X 0.80m = 21.24					
Total - 100.62					
Rate 28-01-2021					
J.E					
A.E					

Continuation

Say Continuation 1.385 Hectare

$\frac{84}{02 \mid 2 \mid 2 \mid 1}$
 A.E

Particulars	Details of actual measurement				Contents of area
	Nc.	L.	B.	D.	
Date of Entry: 05-02-2021					
[01] Dismantling of existing Structure - Cement Concrete of old H.P. culvert.					
--- do --- all Comp. Job					
$04_{m} \times 2.60 m \times 1.10 m \times 0.15 m$					$= 1.716$
					m^3
[02] Dismantling of existing Structure Hume Pipe					
[31] H.P. Culvert --- do --- all Comp. Job.					
$04_{m} \times 2.50 m \times \frac{1+0.80}{2} \times 1.25$					$= 11.25$
$04 \times 2.50 m \times \frac{0.80+0.40}{2} \times 1.20$					$= 7.20$
					(4)
					$18.75 m^3$
[03] Dismantling of H.P. of old Culvert --- do					
[32] --- all Comp. Job					
$= 04_{m} \times 2.50 m$					$= 10.00$
					m
Rev'd 05-02-2021 J.E					
		</			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of Entry:— 06-02-2021					
101] P/c Concrete for Plain/ 34] Reinforced Concrete in open foundation — do — all Comp. Job					
03] $1.2 \times 6.30 \text{ m} \times 1.40 \text{ m}$ $\times 0.15 \text{ m} = 7.94$ CU-M					
102] Brick masonry work 35] in cm in Sub- Structure — do — — all Comp. Job					
02] $1.25 \times 0.80 \times 1.35$ 1.35					
03] $1.25 \times 0.80 \times 1.35$ $\times 1.85 \text{ m}$ $= 49.815$ CU-M					
Rawl 06-02-2021 J.E					
6/2/21 A.B					

Continuation

Particulars	Details of actual measurement				Co- of area
	No.	L.	B.	D.	
Date of Entry - 09-02-2021					
101] Brick Masonry work					
36] in cement mortar in					
Sub-Structure - do					
- - - ell Comp Job					
Face wall					
03 _{nos} X 02 _{nos} X 6.00m X 0.80 X 0.40 / m					
				2	
				X 1.80m = 38.88	
Deduct for pipe					
Portion					
03 _{nos} X 02 _{nos} X 3/4 X (1.2) ² X 0.6 = 4.06					

Total 34.82
m³

102] Laying (First class)					
40] Bedding on well					
Compacted Sand, mason					
ex - do - - ell Comp Job					
03 X 0 1/2 X 5.90m X 1.50m X 0.25m					
					= 4.87m ³
Deduct Pipe Portion					
0.1 X 5.90 X 0.22					= (-) 1.30m ³
					3.57m ³

Rev'd 09-02-2021
J.E

g/m
9/2/21
A.E

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of Entry - 12-02-2021					
[01] Filling in Foundation					
[41] trenches as per drawing					
& T/S specification					
- do - all Comp. Job					
Face wall					
$03 \times (0.3 \times 6.00 \times 0.405) = 14.58$					
Round Pipe -					
$03 \times 0.1 \times 6.30m \times 1.50m \times 0.90m = 25.51$					
Deduct Pipe Poles					
$03 \times 0.1 \times 5.90m \times 0.20 = 0.389$					
Total = 36.90					M ³
$03 \times 0.1 \times 6.30m \times 0.91m = 17.19$					
Total = 22.90					M ³
[02] Ph & layer R.C.C.					
[39] Pipe No-3 for current					
$= 03 \times (0.3 \times 2.5) = 22.50$					
RM.					
Drawn 12-02-2021					
J.E. J.E.					
12/2/21					
A.E.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of Entry - 15-02-2021					
[01] Brick masonry					
[37] work in c.m (1:3)					
in Parapet - do - Job					
$0.3 \times 0.2 \times 6.00 \times 0.40 \times 0.60 \text{ m}$					
					$= 8.64 \text{ m}^3$
[02] Plastering with c.m					
[38] (1:4) on B/w of					
Sub-Structure - do					
all Comp Job					
Parapet wall (Sides)					
$= 0.3 \times 4.00 \times 6.00 \times 0.60 \text{ m}$					$= 43.20$
Top					
$0.3 \times 0.2 \times 6.00 \times 0.400 = 14.40$					
Ends					
$0.3 \times 0.4 \times 0.400 \times 0.600 = 2.88$					
Total:-					60.48 m^2
Ravi					
15-02-2021					
J.E					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of Entry:-					
1017 Construction of G.S.B. by R/V well graded material laying, spreading in uniform layer & Compacting					
- do - all comp. Job					
02/102 Cancel					

Date of Entry → 18-02-2021					
1017 Box cutting for Pavement					
008 Construction - do - all					
Comp. Job (For BT Road Portion)					
02 X (05 X 30 X 0.525 X 0.10)					
					= 15.75
02 X 05 X 30 X 0.525 X 0.10					= 15.75
02 X 05 X 30 X 0.525 X 0.10					= 15.75
02 X 05 X 30 X 0.525 X 0.10					= 15.75
02 X 05 X 30 X 0.525 X 0.10					= 15.75
02 X 05 X 30 X 0.525 X 0.10					= 15.75
02 X 05 X 30 X 0.525 X 0.10					= 15.75
02 X 05 X 30 X 0.525 X 0.10					= 15.75

Continuation

[illegible]

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Profile correction for damaged brick sling					
- do - all comp. slab					
05 _{nos} x 3.50m x 1.75m x 0.10m					3.06
01 _{do} x 9.75m x 1.25m x 0.10m					1.21
02 x 11 x 0.90 x 0.75 x 0.10					1.48
09 x 15 x 1.10 x 0.90 x 0.10					13.36
05 x 0.9 x 1.50 x 1.30 x 0.10					8.77
(B) → Sub - Total					27.88
+ Total → (A) + (B)					122.38

Parti

20-02-2021

J.E

20/2/21

A. E.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of Entry: 24-02-2021					
101] Construction of G.S.B					
10.] G.S.B by Ph. well					
graded material, Laying					
Spreading & Compacting					
-- do -- all comp. sub					
02 x (0.5 x 3.0 m x 0.525 m x 0.10)					
					= 15.75
02 x 0.5 x 3.0 x 0.525 x 0.10 =					15.75
02 x 0.5 x 3.0 x 0.525 x 0.10 =					15.75
02 x 0.5					
02 x 0.8 x 1.5 x 0.525 x 0.10 =					12.60
(A) → Sub total:-					59.85 m ³
Profile correction for					
damaged Brick Soling					
06 m x 5.00 m x 1.25 m x 0.10 m =					3.75
04 x 9.50 x 1.40 x 0.10 =					5.32
03 x 11 x 1.30 x 0.10 =					4.29
02 x 10.30 x 1.00 x 0.10 =					2.06
05 x 02.75 x 0.30 x 0.10 =					1.23
(B) → Sub total:-					16.65 m ³
Total → (A) + (B) →					76.50 cu-m.
Rawl 24-02-2021					
J.E					
sham 24/2/21					
AE					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of Entry $\rightarrow$ 02-03-2021					
101 Construction of GSB					
1 st 100 m by providing well					
graded material, laying					
Spreading & Compacting					
do - all comp. job					
BT Road Portion overlay					
Barek Soling					
$0.5 \text{ m} \times 30 \text{ m} \times 4.05 \text{ m} \times 0.10 \text{ m} = 60.75$					
$0.5 \times 30 \times 4.05 \times 0.10 = 60.75$					
$0.5 \times 30 \times 4.05 \times 0.10 = 60.75$					
$0.5 \times 30 \times 4.05 \times 0.10 = 60.75$					
$0.5 \times 30 \times 4.05 \times 0.10 = 60.75$					
$0.5 \times 30 \times 4.05 \times 0.10 = 60.75$					
					Total: 364.50
					m ³
Recd 02-03-2021					
J-E					
shu					
02/3/21					
A.E					
</					

Continuation

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of Entry - 10-03-2021					
[01] Construction Gr. S.B -					
[10] Gr-1 by Providing					
Well graded material					
Laying Spreading & Compacting					
--- do --- all comp. Job					
In Earthen Portion					
01 X 05 M X 4.05 X 0.10 = 2.02					
01 X 03 X 4.05 X 0.10 = 1.21					
01 X 07 X 4.05 X 0.10 = 2.83					
01 X 15 X 4.05 X 0.10 = 6.07					
Total:-					12.13
					cu-m
Ravi					
10-03-2021					
J.E					
Shr					
10/3/21					
A.E					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Gate Entry - 12-3-2021					
[01/08] Construction of Embankment with approved material deposited at Site from Roadway Cutting - do - all comp					
Job					
Sam quantity as in					
Page no. 09 of Item No					
2 - [01/08] = 154.35m ³					

[02/04%66]	Construction of Embankment with approved material from C/w Quantity Sheet by L.S & C.S of the Road Section along with this MB as for office Record				
SL No	chainage	Area	mean width	distance	Volume
01	0	0.972			
02	50	1.051	1.012	50	50.575
03	100	1.131	1.091	50	54.550
04	150	1.123	1.127	50	56.350
05	200	1.16	1.142	50	57.075
06	250	1.156	1.158	50	57.900

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
07.	300	1.184	1.170	50	58.500
08	350	1.031	1.138	50	56.875
09	400	1.043	1.067	50	53.350
10	450	1.175	1.109	50	53.450
11	500	1.932	1.554	50	77.675
12	550	1.871	1.902	50	95.075
13	600	1.862	1.867	50	93.325
14	650	1.779	1.821	50	91.025
15	700	1.771	1.775	50	88.750
16	750	1.968	1.870	50	93.475
17	800	1.79	1.879	50	93.950
18	850	1.833	1.812	50	90.575
19	900	1.462	1.648	50	82.375
20	950	1.423	1.443	50	72.125
21	1000	0.861	1.142	50	57.100
22	1050	0.798	0.830	50	41.475
23	1100	0.894	0.846	50	42.300
24	1150	1.087	0.991	50	49.525
25	1200	1.013	1.050	50	52.500
26	1250	0.89	0.952	50	47.575
27	1300	1.012	0.951	50	47.550
28	1350	1.009	1.011	50	50.525
29	1400	1.082	1.046	50	52.275
30	1450	0.966	1.024	50	51.200
31	1500	0.969	0.968	50	48.375
Total E/W Quantity =					1919.38
Continuation					cm

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
03] Construction of Embankment 04] with approved material (Lead up to 100 m)					
=	1841.660				
	2233.65			X 1919.38	
=	1582.54 m ³				
04] Construction of Embankment 06] with approved material with Lead up to 100 m					

$$\begin{aligned}
 &= 391.990 \times 1919.38 \\
 &2233.65 \\
 &= 336.88 \text{ m}^3
 \end{aligned}$$

Revd

12-03-21
J.E

12/3/21
A.E

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of Cost					
[01/01] Construction of Reference & working B.M. -					
Vide Page No. 02					
= 2.00 Km					
@ ₹ 3070.25/Km					
					₹ 6140 = 0
[02/02] Construction of Reference Pillar / Burjees					
Vide Page 02					
@ ₹ 1810 = 00 / Km					
					₹ 3620 = 00
[03/03] Clearing & Grubbing Road Land - do - -					
- all Comp. Job					
Qty vide T.M.B. P. 02					
Item No. [03/03] = 1.385 Hectare					
@ ₹ 47500 = 00 / Hectare					
					₹ 65,787 = 00
[04/04] Construction of Embankment					

Continuation

[05] Encuesta por Puntos

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Continuation ✓

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
100m Lead.					
Qty vide T.M.B Page					
no-18					
Item No-04/06					
= 336.83m ³					
@ ₹155 = ∞ / m ³					
					₹52209 = ∞

07/08	Box cutting for Pavement				
	Const. (For BT Road				
	Portion)				

Qty vide T.M.B Page-09					
Item No-10/08					
= 154.35m ³					
@ ₹35 = ∞ / m ³					
					₹5402 = ∞

08/10	Const. of G.S.B (Gr-1				
	by providing well				
	graded material, laying				
	spreading & compacting				
	do - all comp. Job				

Vide T.M.B					
Page no - 108/11	Item No-10/08				= 122.38
" " - 12	Item No-10/10				= 76.50
					= 364.50
" " - 13	Item No-10/13				= 241.64
" " - 14	" " - 10/14				= 12.13
" " - 15	" " - 10/15				= 12.13
					Total = 817.15m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
@ ₹ 3230 = 00/m ³					
					₹ 26393.94 =
[109] [30] Dismantling of existing Structure Cement concrete of old HP Cement Vide- Page no-03 Item No - [10/30] = 1.716 m ³ @ ₹ 109 = 00/m ³					₹ 186.80 =

[110] [31] Cement Mortar Vide- Page no-03 Item No [102/31] = 18.75 m ³ @ ₹ 100 = 00/m ³					₹ 1875 = 00
---	--	--	--	--	-------------

[111] [32] Above 600mm to 900mm dia Kume pipe Vide- Page no-03 Item No - [103/32] = 10 Nos @ ₹ 650 = 00 Each					₹ 6500 = 00
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[112] [33] Earth Work in Excavation					
--	--	--	--	--	--

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
For Structure - do					
--- 911 Comp. Job					
Vide T.M.B Page 01					
= 100.62 m ³					
@ ₹ 15500/m ³					
					₹ 1559620
13/31 Providing Concrete					
For Plumb / Reinforced					
Concrete - do - 211					
Comp - Job.					
Vide T.M.B P- 04					
Item No 10/21 = 7.94 m ³					
@ ₹ 6200 = 00/m ³					
					₹ 49228=00
14/35 Brick masonry work					
In Cement Mortar in					
in foundation.					
Qty vide T.M.B Page - 04					
Item No 10/25 = 49.815 m ³					
@ ₹ 2500 = 00/m ³					
					₹ 124525=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
[15] [36] Brick masonry work in cement mortar m					
Sub-structure-					
Vide Page No - 05					
Item No - [01/36]					= 34.82
Unit to					30.48 m ³
@ ₹1450 = m ³					
					₹44196 = m
[16] [37] Brick masonry work					
in cement mortar (1:3) m					
Parapet.					
Qty vide T.M.B.P - 07					
Item No - [01/37]					= 8.640 m ³
@ ₹1450 = m ³					
					₹12528 = m
[17] [38] Plastering with G.M					
(1:4) on B/W					
Vide Page No - 07					
Item No - [02/38]					
					= 60.48 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
@ ₹ 1400 = 00/m ² 146 = 46					
					₹ 8467 = 00
18/39 P/W & laying R.C.C. Pipe NP-3 for Culvert					
Vide Page No - 05					
Item No 102/39 = 22.20 RM					
@ ₹ 1400 = 00/m					
					₹ 31500 = 00
19/40 Laying First class Bedding on					
well compacted Sand					
Vide Page No - 05					
= 3.57 m ³					
@ ₹ 250 = 00/m ³					
					₹ 8925 = 00
20/41 Filling in Foundation trenches - do - do					
Comp. Job					
Vide Page No - 05					
= 22.90 m ³					
@ ₹ 245 = 00/m ³					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					₹ 5610 = 00
					₹ 3385625 = 00
446157 @ 12%					₹ 406275 = 00
Add 1% L.C					₹ 33856 = 00
Add Seigniorage					₹ 45220 = 00
fee @ 10%					₹ 3870976 = 00
Less 0.023%					₹ 890 = 00
as per figure.					₹ 3870086 = 00
Row	16-03-2021	16/3/21	17/3-21		

Continuation