

1st on A/C Bill

Name to 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					
Pulwariya to Boringtola					
Pulwariya under MMSY (SC)					
Name of Agency—M/s Harom					
Construction At—Harnatand					
Bagaha-2 West Champaran					
Agreement No—31 SBD/2020-21					
Date of Commencement—11-09-2020					
Date of Completion—10-06-2021					

Agreement value—Rs 5676159-00

Detail Work Done

(1) (i) Construction of working
 Bench Mark—do—0.670km

(ii) Construction of reference
 Pillar—do—0.670km

(2) (i) Cleaning and grubbing
 Road Land—do—

$2 \times 22 \times 30m \times 1.50m = 1980 m^2$

$2 \times 1 \times 10m \times 1.50m = 30.00 m^2$

2010.00 m²

Say—0.20 Hec

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3/2) Construction of embankment with material obtained from Borrow Pit					
$4 \times 30m \times \left(\frac{6.00+8.30}{2} - \frac{2.80+3.70}{2} \right) \times 0.35$					$= 168.00m^3$ 163.8
$2 \times 30m \times \left(\frac{6.20+7.90}{2} - \frac{3.00+3.20}{2} \right) \times 0.40$					$= 94.8m^3$
$5 \times 30m \times \left(\frac{5.90+7.50}{2} - \frac{2.50+2.80}{2} \right) \times 0.20$					$= 121.50m^3$
$3 \times 30m \times \left(\frac{6.30+7.20}{2} - \frac{2.20+2.50}{2} \right) \times 0.25$					$= 99.0m^3$
$5 \times 30 \times \left(\frac{6.50+6.90}{2} - \frac{2.10+3.10}{2} \right) \times 0.30$					$= 177.75m^3$
$3 \times 30 \times \left(\frac{6.10+7.00}{2} - \frac{2.90+3.40}{2} \right) \times 0.20$					$= 76.50m^3$

$\frac{6.00+7.50}{2} = 6.75$
 $\frac{2.80+3.70}{2} = 3.25$
 $6.75 - 3.25 = 3.50$
 $3.50 \times 4 \times 30 \times 0.35 = 147.00m^3$
 $147.00 + 94.8 + 121.5 + 99.0 + 177.75 + 76.5 = 737.05m^3$
 $\frac{737.05}{1.05} = 701.95m^3$
 $701.95 \times 1.05 = 737.05m^3$
 Hence E/w Quantity Lead upto 1000m distance
 30% of 737.05m³ = 221.12m³
~~220.005m³~~

(4/5) Construction of embankment
 Material obtained from
 Borrow pit Lead upto
 1100m distance
 70% of 737.05m³ = 515.93m³
~~513.345m³~~

(5/4) Construction of sub grade
 & Earthen shoulder with
 approved Material - T/S

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Abstract of Cost					
(1) Construction of Working Bench Mark from TMB Page - (01)					
0.670 KM @ Rs 8707.08/km = Rs 5833.27					
(2) Construction of reference Pillar from TMB Page (01)					
0.670 KM @ Rs 4819.24/km = 3229.206					
(2) Cleaning and grubbing Road					
Land from TMB Page (01)					
0.20 Hec @ Rs 51133.74/Hec = 10226.75					
(3) Construction of embankment lead from 1000 m from TMB Page - (02)					
221.12 m ³ @ Rs 202.52/m ³ = 44781.22					
(4) Construction of embankment lead from 100 m from TMB Page - (02)					
515.93 m ³ @ Rs 167.41/m ³ = 86371.84					
(5) Construction of Subgrade & Shoulder from TMB Page - (03)					

Continuation

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		Rs 2303163 = 20	Rs 2304273 = 08
		Say - Rs 2304273 = 00	2303163 = 00 276380 = 00
	Add 12% GST -	Rs 2576513 = 00	23031 = 00
	Add 17% L.Cess +	Rs 23043 = 00	
		Rs 2603829 = 00	2602574 = 00 16396 = 00
	Less 0.63% below	Rs 16404 = 00	
		Rs 2587425 = 00	2586178 = 00
Jantzen & 08-12-2020 J.E.		Ry. ish 9/12/2020 JE	

Continuation