



ग्रामीण कार्य विभाग

क्षतिग्रस्त पथ का नाम :- 1034 to kumhar village panchayat
कार्य प्रमण्डल :- बेनीपुर।
कार्य अंचल :- दरभंगा।
प्रखण्ड का नाम :- घनश्यामपुर।
प्राक्कलित राशि :- Rs 8,35,950 = 8,35,950

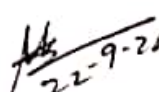
प्रतिवेदन

पथ का नाम :- L-34 to Kumbhrow village punecanidol.
प्राक्कलित राशि :- Rs. 3,31,950 = =
पथ की लं० :-

यह प्राक्कलन मो० 3,31,950 का बनाया गया है। ज्ञातव्य हो कि विगत माह जुलाई-अगस्त 2020 में अतिवृष्टि एवं बाढ़ के कारण घनश्यामपुर प्रखण्ड के बहुत से सड़क में टूटान हो गया। विभागीय आदेश -मु० अ०-04मु० विविध कार्य 23-40/2016-2729अनु० दिनांक-21.08.2020 एवं कार्यपालक अभियंता महोदय के आदेश के अनुपालनार्थ यह प्राक्कलन बनाया गया है। प्राक्कलन के सड़क की अधिक गड्ढी खाई में मिट्टी भरकर तदनुपरान्त ईट टुकड़ा की एक समुचित परत डाल कर यातायात सुलभ हेतु मजबूतीकरण की गई है। पलैंक में क्रॉस पाइलिंग के उपरान्त सीमेंट की खाली बोडी में स्थानीय बालू भरकर सीमेंट कंक्रीट सड़क को बचाने का काम किया गया है।

प्राक्कलन वर्तमान में कार्य अंचल दरभंगा की अनुसूचित दर पर तैयार किया गया है।

प्राक्कलन की POST FACIO स्वीकृति कार्य हीत एवं जनहीत में अपेक्षित है।

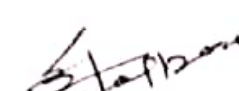

22-9-2020

कनीय अभियंता,
ग्रामीण कार्य विभाग,

कार्य प्रशाखा घनश्यामपुर, कार्य अवर प्रमण्डल घनश्यामपुर,


22-9-2020

सहायक अभियंता,
ग्रामीण कार्य विभाग,


22-9-2020

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग
कार्य प्रमण्डल बेनीपुर,

① Name of work:- Detail estimate for f.d.R to the R.O.
from 1034 to Kumbhaur village & pucca site L.
for the year. 2020-21 under. Chanchyampur.

② Price filling the brickbats including the cost
of brick-bats & labours all complete as per
as per specification & direction of ch.

$$\frac{29.00}{1.00} \times \frac{3.75}{6.0 + 5.50} \times \frac{(1.00 + 1.50 + 0.75)/3}{2} = 145.30$$

$$\frac{29.00}{1.00} \times \frac{3.75}{6.0 + 5.50} \times \frac{1.50 + 0.75}{2} = 151.875 \text{ m}^3$$

$$145.30 \text{ m}^3 \text{ @ } 1840.16/\text{m}^3 = \text{Rs } 267375.00$$

$$\text{Add } 12\% \text{ GST (+)} = \text{Rs } 32085.00$$

$$\text{Add } 1\% \text{ LC (+)} = \text{Rs } 2674.00$$

$$\text{Rs } 302134.00$$

$$145.30 \text{ m}^3 \text{ @ } 151.875/\text{m}^3 = \text{Rs } 22065.00$$

$$\text{Add C.F. } 151.875 \text{ m}^3 \text{ @ } 1063.00/\text{m}^3 = \text{Rs } 161445.00$$

$$\text{Rs } 2,31,950.00$$

$$3,17,579.00$$

22.9.2020

J.E.
RWD

22.9.2020

A.E.
RWD

22.9.2020

E.E.
RWD

अध्यापक संविधान, 210 का वि. 20-4-201-अध्यापक
का कार्य:- 908 अंश दिनांक :- 12/05/2021 के द्वारा समर्थन
और यादव के आधार पर -

Post-facto T/A Rs 317.5

(Rupees Three lac Seventeen thousand five hundred
- Seventy nine) only.

19.05.21
Superintending Engineer
RWD, Works Circle, Darbhanga

FOR FDR JULY 2020.

Providing and Laying of Bricks bats with Carriage by Tractor loading with front and loader with light tamping etc all complete job as per specification and direction of E/S.

By TRACTOR. (without C.P) For Departmental work

$$\textcircled{1} \quad \begin{array}{l} \text{Surface lead} = 7 \text{ km} \\ \text{Katchha lead} = 1 \text{ km} \end{array} \quad \left. \begin{array}{l} \\ \end{array} \right\} 8 \text{ km} \\ \text{Factor } [3.6/2.25] = 1.60$$

$$\text{ie Carriage Cost (with OH)} = [(1.60 \times 7 \text{ km} \times 17.25) + (1.60 \times 1 \text{ km} \times 26.95)] + 182.39 \\ = \text{Rs } 418.71$$

$$\begin{aligned} \text{Total Cost of Bricks bats PMB} &= \text{Rs } 1126.78 \text{ (Bricks bats with OH)} \\ &+ \text{Rs } 418.71 \text{ [Carriage Cost with OH]} \\ &+ \text{Rs } 322.27 \text{ [Labour Cost with OH]} \\ \hline \text{Total Rs } 1867.76 \text{ PMB [without GST + LC + SE]} \end{aligned}$$

$$\textcircled{2} \quad \text{Surface lead} = 6 \text{ km} / \text{Katchha} = 1 \text{ km} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 6 \text{ km} \times 17.25) + (1.60 \times 1 \text{ km} \times 26.95)] + 182.39 \\ = \text{Rs } 391.11$$

$$\begin{aligned} \text{Total Cost of Bricks bats PMB} &= \text{Rs } 1126.78 \\ &+ \text{Rs } 391.11 \\ &+ \text{Rs } 322.27 \end{aligned}$$

$$\text{Total Rs } 1840.16 \text{ PMB [without GST + LC + SE]}$$

$$\textcircled{3} \quad \text{Surface lead} = 5 \text{ km} / \text{Katchha} = 1 \text{ km} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 5 \text{ km} \times 17.25) + (1.60 \times 1 \text{ km} \times 26.95)] + 182.39 \\ = \text{Rs } 363.51$$

$$\begin{aligned} \text{Total Cost of Bricks bats PMB} &= 1126.78 \\ &+ 363.51 \\ &+ 322.27 \end{aligned}$$

$$\text{Total Rs } 1812.56 \text{ PMB [without GST + LC + SE]}$$

$$\textcircled{4} \quad \text{Surface lead} = 4 \text{ km} / \text{Katchha} = 1 \text{ km} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 4 \text{ km} \times 17.25) + (1.60 \times 1 \text{ km} \times 26.95)] + 182.39 \\ = \text{Rs } 335.91$$

$$\text{Total Cost of Bricks bats PMB} = 1126.78 + 335.91 + 322.27 = \text{Rs } 1784.96$$

$$\textcircled{5} \quad \text{Surface lead} = 3 \text{ km} / \text{Katchha} = 1 \text{ km} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 3 \text{ km} \times 17.25) + (1.60 \times 1 \text{ km} \times 26.95)] + 182.39 \\ = \text{Rs } 308.31$$

$$\text{Total Cost of Bricks bats PMB} = 1126.78 + 308.31 + 322.27 = \text{Rs } 1757.36$$

नोट:- यदि गाड़ियाँ कार्य के लिए नहीं हैं/चिमनी की दूरी का प्रभाव अधिक है तो गाड़ियाँ जायगी। साथ ही दूरी के आधार पर ही दुमारी की संख्या का निर्धारण होगा।

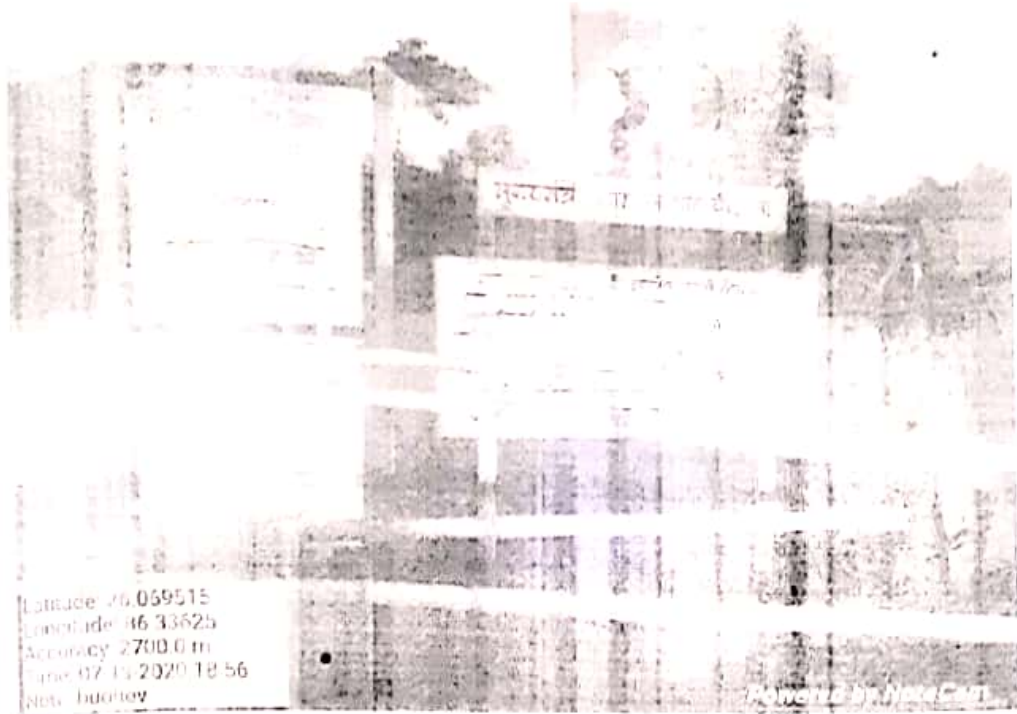
REF.NO.	DISCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6.6.1 WRD Bihar	Labour for laying dry graded jhaina khoa or stone filter under brick pitching or boulder pitching in slope or apron including light ramming etc. all complete job as per specification and direction of E / I.				
	Unit - Per M ³				
	Taking Out put:- 2.832 cum				
	Unskilled mazdoor	Nos.	3	287	851
	Add 6% Overhead charges				51.66
	Rate for 2.832 Cum				912.66
	Rate for Cum (Rs)-				322.27
1.4 RCD	Cost of Haulage Excluding Loading and unloading				
	Haulage of materials by tractor excluding cost of loading, unloading and stacking				
	Unit = t km				
	Taking output 3.60 tonnes load and lead 10 km = 36.0 t km				
	(I) Surfaced Road				
	Speed with load: 15 km / hour				
	Speed when Returning empty: 25 km / hour				
	a) Machinery				
	Tractor 3.6 tonnes capacity				
	Time taken for onward haulage with load	hour	0.997	549.10	549.25
	Time taken for empty return trip	hour	0.400	549.10	219.64
	b) Overhead charges @ 0.06 on (a)				35.15
	Cost for 36 t km = a+b+c				621.04
	Rate per t km = (a+b+c)/36				17.5
	say Rs-				
	(II) Katcha Road				
	Speed with load: 12 km / hour				
	Speed for empty return trip: 20 km / hour				
	a) Machinery				
	Tractor 3.6 tonnes capacity				
	Time taken for onward haulage with load	hour	1	549.1	549.1
	Time taken for empty return trip hour	hour	0.667	549.1	365.2497
	b) Overhead charges @ 0.06 on (a)				54.92
	Cost for 36 t km = a+b+c				970.27
	Rate per t km = (a+b+c)/36				26.95
	say Rs-				

REF.NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1.1 RCD	Loading and Unloading of Stone Boulder/ Stone aggregates/Sand/ Kanker/Mix concrete/Brick Bats				
	Placing tractor at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip				
	Unit = cum				
	Taking output = 2.25 cum				
	Time required for				
	i) Positioning of tipper at loading point		1 Min		
	ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour		5 Min		
	iii) Maneuvering, reversing, dumping and turning for		0 Min		
	iv) Waiting time, unforeseen contingencies etc. 4 Min		0 Min		
	Total		6 Min		
	a) Labour				
	Mate	day	0.03	305	9.15
	Mazdoor for loading and unloading	day	0.72	287	206.64
	a) Machinery				
	Tractor 3.60 tonnes capacity	hour	0.1	549.11	54.91
	Front end loader 1 cum bucket capacity @ 25 cum/hour	hour	0.023	1403	116.45
	b) Overhead charges @ 0.06 on (a+b)				23.23
					410.38
	Cost for 2.25 cum = c+b+c+d				182.39
	Rate per cum = (a+b+c+d) / 2.25				
	Note: Unloading will be done manually				
2	Supplying for Brick Bats (with OH)				
	Basic rate for Brick Bats	P/M3		1063	
	Add overhead Charges	P/M3		59.78	
	Total			1122.78	1122.78
	Surface Lead	KM	7		
	Unsurface lead	KM	1		
	Factor (3.6/2.25)		1.6		
	Carrriage (with OH)				
	$(1.6 \times 7 \times 1122.78) + (1.6 \times 1 \times 26.95) + 182.39$				418.71
	Cost of Labour for pitching and light ramming as per WRD SO# 6.6.1 (with OH) with 10% OH				322.27
	Total (A+B+C)				1867.76
	Add 1% Labour Cess (A+B+C)				
	Add 12% GST (A+B+C)				
	Total Cost per Cum				
	For (7km p+1kmk)=without (Gst+Lc+Sf)	Rs			1867.76
	For (6km p+1kmk)=without (Gst+Lc+Sf)	Rs			1843.16
	For (5km p+1kmk)=without (Gst+Lc+Sf)	Rs			1812.56
	For (4km p+1kmk)=without (Gst+Lc+Sf)	Rs			1784.96
	For (3km p+1kmk)=without (Gst+Lc+Sf)	Rs			1757.36
	NOTE:				
	As per the instructions, The distance from brick factory to site will be shown in estimate. Carrriage charges will also be adjusted according to distance.				

REF NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
12.9 RCD	Labour for filling Sand Bag, stitching and placing etc. all complete as per specification and direction of E/I				
	unit per bag				
	Taking output=750 Bag				
	Add 6.0% sutl	kg	3.75	22.2	83.25
	Rate for 750 Bag	Nos	15	287	4305
	Add 6% overhead Charges				263.29
	Mazdoor Rate per Bag (Rs) -				4651.24
	Rate of 1 bag				Rs=6.20
1.4 RCD	Cost of Haulage Excluding Loading and Unloading				
	Haulage of materials by tipper excluding cost of loading, unloading and stacking				
	Unit = t.km				
	Taking output 10 tonnes load and lead 10 km =100 t.km				
	Surfaced Road				
	Speed with load : 25 km / hour.				
	Speed while Returning empty : 35 km / hour.				
	a) Machinery				
	Tractor 3.6 tonnes capacity				
	Time taken for onward haulage with load	hour	0.667	549.1	366.25
	Time taken for empty return trip	hour	0.4	549.1	219.64
	b) Overhead charges @ 0.06 on (a)				35.15
	Cost for 36 t.km = a+b+c				621.04
	Rate per t.km = (a+b+c)/36				17.251
	Say Rs-				17.25
	Katcha Track				
	Speed with load : 12 km / hour				
	Speed while returning empty 20 km / hour				
	a) Machinery				
	Tractor 3.6 tonnes capacity				
	Time taken for onward haulage with load	hour	1	549.1	549.1
	Time taken for empty return trip	hour	0.667	549.1	366.25
	b) Overhead charges @ 0.06 on (a)				54.97
	Cost for 36 t.km = a+b+c				970.27
	Rate per t.km = (a+b+c)/36				26.95
	Say Rs:				26.95

REF.NO.		UNIT	QUANTITY	RATE	AMOUNT
	DISCRIPTION				
1.1 RCD	Loading and Unloading of Stone Boulder/ Stone aggregates/Sand /Kanker/Msorum				
	Placing tipper at loading point, loading with front end loader, dumping, turning for return trip excluding time for haulage and return trip.				
	Unit = cum				
	Taking output = 2.25 cum				
	Time required for				
	i) Positioning of tipper at loading point		1min		
	ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour		5min		
	iii) Maneuvering, reversing, dumping and turning for return		6min		
	iv) Waiting time, unforeseen contingencies etc.		0min		
	Total		6min		
	a) Labour				
	Mate	day	0.03	305	9.15
	Mazdoor for loading and unloading	day	0.72	287	206.64
	Total				215.79
	a) Machinery	hour	0.1	519.1	
	Tractor 3.60 tonnes capacity	hour	0.083	1403	54.91
	Front end loader 1 cum bucket capacity @ 25 cum/hour				116.45
	b) Overhead charges @ 0.06 on (a+b)				23.23
	Cost for 2.25 cum = a+b+c+d				410.38
	Rate per cum = (a+b+c+d)/ 2.25				182.39
	Note Unloading will be done manually				

1	Supplying of Sand Bag (with OH)			
A	Basic Rate of Sand Bag (including cdt+ sand)	Per bag	8.66	8.86
	Add overhead Charge		6%	0.53
	Total			9.39
	1 No Cement Bag filled with 40 kg / 1.2 Cuft Sand			
	Conversion factor: 1m ³ =35.3146667ft ³			
	1) Cubic Meter= Cubic Foot/35.314667			
	2) Cubic Meter= 1.2/35.314667			
	3) Cubic Meter=0.034			
	Hence 1 No. Sand Bag Filled with 0.034			
	Tractor	KM	2	
	Surface Lead	KM	1	
	Katcha Lead	Cum	1.6	
	Factor (3.6/2.25)			
B	Carriage (with OH)			
	$(1.6 \times 2 \times 17.75) + (1 \times 1 \times 26.95) = 182.39$			280.71
	Cost of Carriage of Sand in Filling of Sand Bag			
			280.71	0.034
C	Cost of Labour for Filling Sand Bag, stitching and Placing (with OH)			
	Total (A+B+C) = 9.39 + 9.52 + 6.20			25.11
	Total Cost per Bag (without Gst+Lc+Sf)			25.11



Latitude 26.059515
Longitude 86.33625
Accuracy 2700.0 m
Time 07/11/2020 18:56
New huonev

