



ग्रामीण कार्य विभाग

क्षतिग्रस्त पथ का नाम :- *From Garmour panchayat*
कार्य प्रमण्डल :- बेनीपुर।
कार्य अंचल :- दरभंगा।
प्रखण्ड का नाम :- घनश्यामपुर।
प्राक्कलित राशि :- *Rs 2406295/-*
Rs 16.134 lac

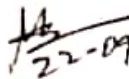
प्रतिवेदन

पथ का नाम :- T63, Ghanshyam Puram Road
प्राक्कलित राशि :- Rs. 240623.80/-
पथ की ल0 :- 2.206 Km

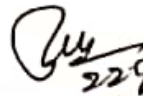
यह प्राक्कलन मो0.....का बनाया गया है। ज्ञातव्य हो कि विगत माह जुलाई-अगस्त 2020 में अतिवृष्टि एवं बाढ़ के कारण घनश्यामपुर प्रखण्ड के बहुत से सड़क में टुटान हो गया। विभागीय आदेश -मु0 अ0-04मु0 विविध कार्य 23-40/2016-2729अनु0 दिनांक-21.08.2020 एवं कार्यपालक अभियंता महोदय के आदेश के अनुपालनार्थ यह प्राक्कलन 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 कॉस 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।

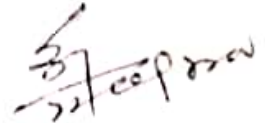
प्राक्कलन की POST FACIO स्वीकृति कार्य हीत एवं जनहीत में अपेक्षित है।


22-09-2020

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 IPR to the Road from T03 to Gannampur for the years - 2020-21, under - Gannampur

(2) pro. construction of embankment with material obtained from borrow pits including the labour all complete job (as per specifications & direction of E.I. (Government))

$$\sqrt{2.0 + 3.0 + 2.25} / 3$$

$500 \text{ to } 550 \text{ m} \rightarrow \begin{cases} 1 \text{ Hb} \times 30.0 \alpha \frac{5.0 + 11.0}{2} \times \frac{3.0 + 2.0}{2} = 720.0 \text{ m}^3 \\ 1 \text{ Hb} \times 20.0 \alpha \frac{5.0 + 10.0}{2} \times \frac{3.0 + 2.0}{2} = 375.0 \text{ m}^3 \end{cases}$

So for 845 m $\rightarrow$

$$\left[\begin{array}{l} 1.112 \times 30.0 \times \frac{5.5 \times 10^6 + 12.0 \times 10^6}{2} \times \frac{3.0 \times 2}{4.0 + 3.0} = 997.50 \text{ m}^3 \quad 787.50 \text{ M}^3 \\ 1.112 \times 15.0 \times \frac{5.0 \times 10^6 + 11.0 \times 10^6}{2} \times \frac{3.0 \times 2}{2.0 + 2.0} = 348.75 \text{ m}^3 \quad 300.00 \text{ M}^3 \end{array} \right.$$

for 950 m → $\left[\begin{array}{l} 1 \text{ No. of } 30.0 \times \frac{5.0 + 2.0}{2.15} \times \frac{2.15}{3.0 + 2.0} = 625 \text{ m}^3 \\ 1 \text{ No. of } 20.0 \times \frac{5.0 + 1.0}{2.15} \times \frac{2.15}{1.5 + 2.0} = 375 \text{ m}^3 \end{array} \right]$

1. $180 + 1990M \rightarrow$

$$\begin{aligned} 4 \text{ Nos.} \times 30.00 \times \frac{6.0 + 14.6}{2} \times \frac{3.0^3 + 3.0^3}{2} &= 422.50 \text{ m}^3 \quad 285.00 \text{ m}^3 \\ \rightarrow 1 \text{ Nos.} \times 30.00 \times \frac{5.0 + 12.6}{2} \times \frac{5.0^3 + 3.0^3}{2} &= 450.00 \text{ m}^3 \quad 3600 \text{ m}^3 \\ &= 1250.00 \text{ m}^3 \quad 592.88 \text{ m}^3 \end{aligned}$$

Total: 4496.25 m^3
 8106.63 m^3

8106.63 M³ GR 173.05 190.16/m³ 1402.852 = 10

Add 124 GST (+) — \$ ~~255~~ 168342

Add 1% LC (+) — R, $\frac{14029.00}{21247} =$

$$\text{Add } S_F [8166.63 \times 34.81 \times 10\%] = 28219 = \text{w}$$

Total R = 16,13442 = cr.

22-09-2020

$$\dot{I}E$$

Aug 22-9-2020

AE
RWID

$\ell \cdot \varepsilon$
KWD

1. Date: 12.05.2024
 2. To: The District Collector, District of ...
 3. From: ...
 4. Subject: ...
 5. Reference: ...
 6. ...
 7. ...
 8. ...
 9. ...
 10. ...

9/19.05.21

Superintending Engineer

LEWD Works Circle Daibang

Analysis of Rates (FORMAT F8)

Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
3.5	(iii)	Excavation in Soil using Hydraulic Excavator and Tippers with disposal upto 1000 m Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross-sections, and transporting to the embankment location with a lift upto 1.5 m and lead upto 1000 m as per Technical Specification Clause 302.3				
		Unit = cum Taking output = 360 cum				
	a)	Labour				
		Mate	day	0.08	305.00	24.40
		Mazdoor (Unskilled)	day	2.00	287.00	574.00
	b)	Machinery				
		Hydraulic excavator 0.9 cum bucket capacity @ 100 cum per hour	hour	3.60	1,969.20	7,089.12
		Tipper 5.5 cum capacity, 4 trips per hour	hour	15.00	1,043.00	15,645.00
	c)	Over Heads @ 8% on (a+b)				1399.95
	d)	Contract. Profit @ 10% on (a+b+c+d)				2473.21
		Cost for 360 cum = a+b+c				27,205.72
		Rate per cum = (a+b+c)/360				75.57
		Total Cost	cum			75.57
3.4	301.5	Construction of Embankment with Material Obtained from Borrow Pits				
	(A)	Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5				
		Unit = cum Taking output = 100 cum				
	a)	Labour				
		Mate	day	0.04	305.00	12.20
		Mazdoor (Unskilled)	day	1.00	287.00	287.00
	b)	Machinery				
		Hydraulic Excavator 0.9 cum bucket capacity @ 60 cum per hour	hour	1.67	1969.20	3,288.56
		Tipper 5.5 cum with 10 t capacity	hour	4.50	1,043.00	4,693.50
		Add 10% of the cost of carriage by tipper				469.35
		Dozer D-50 for spreading @ 100 cum per hour	hour	0.50	3,337.90	1,668.95
		Tractor mounted grader arrangement	hour	1.00	573.20	573.20
		Water tanker 6 kl capacity	hour	2.00	184.00	368.00
		Three wheel 80-100 kN Static Roller @ 80 cum per hour	hour	1.25	803.00	1,003.75
	c)	Material				
		Water	kl	12.00	40.00	480.00
		Compensation for earth taken from private land	cum	100.00	34.81	3,481.00
	d)	Over Heads @ 6% on (a+b+c)				974.50
	e)	Contract. Profit @ 10% on (a+b+c+d)				1730.50
		Cost for 100 cum = a+b+c+d				19,023.50
		Rate per cum = (a+b+c+d)/100 =				190.23
		Total Cost	cum			190.23
3.3	3.14	301.1 Construction of Subgrade and Earthen Shoulders Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1.				
		Unit = cum Taking output = 100 cum				
	a)	Labour				
		Mate	day	0.04	305.00	12.20
		Mazdoor (unskilled)	day	1.00	287.00	287.00
	b)	Machinery				
		Hydraulic excavator 0.9 cum bucket capacity @ 100 cum per hour	hour	1.67	1969.20	3,288.56
		Tipper 5.5 cum capacity, 4 trips per hour	hour	4.50	1043.00	4,693.50
		Add 10% of the cost of carriage to cover loading & unloading				469.35
		Dozer D-50 for spreading @ 100 cum per hour	hour	0.50	3337.90	1,668.95
		Tractor mounted grader arrangement for grading @ 100 cum per hour	hour	1.00	573.20	573.20
		Water tanker with 6 kl capacity	hour	2.00	184.00	368.00
		Three wheel 80-100 kN Static Roller @ 70 cum per hour	hour	1.43	803.00	1,148.29
	c)	Material				
		Water	kl	12.00	40.00	480.00
		Compensation for earth taken from private land	cum	100.00	34.81	3,481.00
	d)	Over Heads @ 6% on (a+b+c)				988.20
	e)	Contract. Profit @ 10% on (a+b+c+d)				1745.93
		Cost for 100 cum = a+b+c+d				19,201.13
		Rate per cum = (a+b+c+d)/100 =				192.01
		Total Cost	cum			192.01





