

तकनीकी प्रतिवेदन

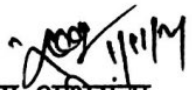
पथ का नाम	:- देवराम रू शमनगढ़
पथ की लंबाई	:- 3.227 कि०मी०
प्राक्कलित राशि	:- Rs. 4,90,556=00
प्रमण्डल का नाम	:- बेनीपुर
अंचल का नाम	:- गुजरात
योजना शीर्ष	:-
योजना वर्ष	:- 2021-22

प्रस्तुत प्राक्कलन विभागीय पत्रांक- मु.अ.प- 42754215 दिनांक-22.10.21 के आदेशानुसार पथ में कराये गये यातायात पुर्नस्थापना कार्य के निमित्त तैयार की गयी है।

यह प्राक्कलन देवराम रू शमनगढ़ कार्य के लिए तैयार की गई है। वर्ष 2021 में आयी प्रलयंकार बाढ़/अतिवृष्टि के कारण पथ कई जगहों पर क्षतिग्रस्त हो गया था। जिसके कारण आवागमन अवरुद्ध हो गई थी जिसमें अस्थाई यातायात पुर्नस्थापन कार्य किया गया है।

प्रस्तुत प्राक्कलन संपादित कार्य के समय लागू अनुसूचित दर पर, जो संवेदक लाभांश को छोड़कर था, उसे प्रावधान करते हुए तैयार किया गया है।

अतः किये गये कार्यों के भुगतान हेतु प्राक्कलन की प्रशासनिक स्वीकृति अपेक्षित है।


कनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा बेनीपुर


सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अवर प्रमण्डल बेनीपुर


कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल बेनीपुर।

Abstract of cost.

Name of Road:- L022-T01 Devram to Ramnagar (VR22)

Particulars of Item	Quantity (In M ³)	Rate	Amount
Providing and laying Filling in ditches with brick bats including loading, unloading and light ramming all complete job. As per specification & Direction of E/I	207.09	2004.96	415207
		Total =	415207
Add 12% GST		=	49825
1% L.C		=	4152
(S.Fee)- B/Bat(207.09*1032* 0.1)=21372		=	21372
		Grand Total=	490556

Say Rupees 490560=00

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RWD, Benipur

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A.E
RWD, Benipur

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E.E
RWD, Benipur

*Technical Sanction for Rs 490560=00 (Rupees four
lacs Ninety Thousand Five Hundred Sixty) only*

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Superintending Engineer
RWD, Works Circle, Darbhanga
16/2/22

Flood Estimate

Name of Road:- L022-T01 Devram to Ramnagar (VR22)

n No.1	Providing and laying Filling in ditches with brick bats including loading, unloading and light ramming all complete job. As per specification & Direction of E/I				
	Chainage (In M)	Length (In M)	Average Width (In M)	Average Height (In M)	Qty in cum
	In 1st Km	5.00 ✓	1.50	0.60	4.50 ✓
		1.00 ✓	3.00	0.70	2.10 ✓
		2.00 ✓	1.00	0.60	1.20 ✓
		13.00 ✓	(4+6)/2	(0.7+1.2+1.5)/3	73.67 ✓
		6.00 ✓	3.75	(0.6+0.8)/2	15.75 ✓
		2*2.6 ✓	1.00	(0.5+0.6)/2	2.75 ✓
		3.50 ✓	3.00	(0.6+.7)/2	6.82 ✓
		1.50 ✓	(2.8+3.2)/2	(0.5+0.6+0.7)/3	2.70 ✓
		5.00 ✓	3.50	(0.5+0.6)/2	9.62 ✓
		10.00 ✓	(3.5+4)/2	(0.6+0.7)/2	24.38 ✓
		10.00 ✓	3.50	(0.6+0.9)/2	26.25 ✓
		1.00 ✓	1.00	0.60	0.60 ✓
		10.00 ✓	(2+2.5)/2	(0.6+0.8)/2	15.75 ✓
		12.00 ✓	(2.+2.5+3)/3	(0.5+0.9)/2	21.00 ✓
			Total =		207.09

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RWD, Benipur

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RWD, Benipur

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RWD, Benipur

Checked and Verified

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13-12-2024
H

325
13/12/24
EE

6.6.1 WRD Bihar		Labour for laying dry graded Jhama Khoa or stone filter under Brick pitching or Boulder Pitching in slope or apron including light ramming etc. all complete as per approved design, specification and Direction of E/I				
		Unit = Per Cum				
		Taking output = 2.832 Cum				
a) Labour						
		Mazdoor (Unskilled)	Nos.	3.00	304.00	912.00
b) Over Heads @ 12% on (a)						109.44
		Cost for 2.832 cum				1,021.44
		Rate per cum (Rs)				360.68
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) Surface Road				
		Speed with Load:15 km/hour				
		Speed while Returning empty:25km/hour.				
a) Machinery						
		Tractor 3.6 tonne capacity				
		Time taken for onward haulage with load	hour	0.667	612.00	408.20
		Time taken for empty return trip.	hour	0.400	612.00	244.80
b) Over Heads @ 12% on (a)						78.36
		Cost for 36 t Km=a+b				731.36
		Rate per t.km=(a+b)/36				20.32
		(ii) Unsurfaced Graveled Road				
		Speed with Load:12 km/hour				
		Speed while Returning empty:20km/hour.				
a) Machinery						
		Tractor 3.6 tonne capacity				
		Time taken for onward haulage with load	hour	0.833	612.00	509.80
		Time taken for empty return trip.	hour	0.500	612.00	306.00
b) Over Heads @ 12% on (a)						97.90
		Cost for 36 t Km=a+b				913.69
		Rate per t.km=(a+b)/36				25.38
		(iii) Katcha Track and Track in River Bed/Nallah Bed and Choe Bed				
		Speed with Load:10 km/hour				
		Speed while Returning empty:15km/hour.				
a) Machinery						
		Tractor 3.6 tonne capacity				
		Time taken for onward haulage with load	hour	1.000	612.00	612.00
		Time taken for empty return trip.	hour	0.667	612.00	408.20
b) Over Heads @ 12% on (a)						122.42
		Cost for 36 t Km=a+b				1,142.63
		Rate per t.km=(a+b)/36				31.74

1.1RCD	Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kanker/Moorum			
	Placing Tractor at Loading point, loading with front loader, dumping turning for return trip, haulage and return trip			
	Unit = Cum			
	Taking output = 2.25 Cum			
	Time Required for			
	i) Positioning of Tractor 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 return	0 Min		
	iv) Waiting time, unforeseen contingencies etc	0 Min		
	Total	6 Min		
	a) Labour			
	Mate			
	Mazdoor for loading and unloading	day	0.03	221.00
	b) Machinery	day	0.72	304.00
	Tractor 3.6 tonne capacity			
	Front end-loader 1 cum bucket capacity @25 cum/hour	hour	0.1	612.00
	c) Over Heads @ 12% on (a+b)	hour	0.083	1594.00
	Cost for 2.25 cum=(a+b+c)			98.64
	Rate per cum (Rs)			472.95
Note:-	Unloading will be done manually			210.07
	1 Supplying for Brick Bats (with OH)			
	A. Basic Rate of Brick Bats	Per Cum	1032.00	1032.00
	Add overhead charges		12%	123.84
	Total			1155.84
	Surface Lead	KM	7	
	Katcha Track and Track in River Bed/Nallah Bed and Choe Bed	KM	1	
	Factor(3.6/2.25)	Cum	1.6	
	B. Carriage(with OH)			
	$((1.6*7*20.32)+(1.6*1*31.74)+(210.07))$			488.438
	C. Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1(with OH)			360.68
	Total (A+B+C)			2004.96
	For (7km.p+1kmk)= without (GST+LC+SF)			2004.96
	For (6km.p+1kmk)= without (GST+LC+SF)			1972.45
	For (5km.p+1kmk)= without (GST+LC+SF)			1939.93
	For (4km.p+1kmk)= without (GST+LC+SF)			1907.42
	For (3km.p+1kmk)= without (GST+LC+SF)			1874.91

Inspection Report of Flood Damage work

Name of PIUs:- RWD Works Division, Benipur

Name of Block/Road:- Benipur / Duoram to Ram Nagar

A. For Road

1. Damage Location Chainage:- ch. 2.00 km to ch 3.00 km
2. Damage Length :- 85-20
3. Nature of Damage :- Road crust
4. Details of Restoration Works
 - i. Material being used in Restoration works:- Brice bats
 - ii. Equipment's /Tools being used in Restoration works:- tractor
 - iii. Procedure taken up in Restoration works:- manually
 - iv. Restored Length:- 85-20 m

B. For Bridge

1. Damage Location Chainage:-
2. Damage Length :-
3. Nature of Damage :-
4. Details of Restoration Works
 - i. Material being used in Restoration works:-
 - ii. Equipment's /Tools being used in Restoration works:-
 - iii. Procedure taken up in Restoration works:-
 - iv. Restored Length:-

Work found satisfactory.

Signature of JE/AE/EE

Signature
(Name of Inspection)