अधीक्षण अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा।

पत्रांक 623 /30

प्रेषक,

ई0 खलीकुज्जमा,
अधीक्षण अभियंता,

सेवा में,

नोडल पदाधिकारी,
F.D.R, कोषांग,
ग्रामीण कार्य विभाग,
बिहार, पटना।

मधेपुरा, दिनांक 21.05.22

विषय : ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधेपुरा के अन्तर्गत शीर्ष **FDR (वित्तीय वर्ष 2021-22)** योजना का बाढ़ से क्षतिग्रस्त पथांशों का अस्थाई पुनर्स्थापन कार्य का प्राक्कलन के प्रशासनिक अनुमोदन प्रदान करने के संबंध में।

प्रसंग : कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधेपुरा का पत्रांक 1721 अनु0, दिनांक 19/5/22 एवं अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक मु0अ0–4(मु0)विविध(कार्य)23–291/2019–**4849** पटना, दिनांक **07.12.2021**

महाशय,

उपर्युक्त विषयक प्रसांगिक पत्र द्वारा प्राप्त कार्य प्रमंडल, **मधेपुरा** अन्तर्गत शीर्ष **FDR (वित्तीय वर्ष 2021-22)** योजना का बाढ़ से क्षतिग्रस्त पथांशों का अस्थाई पुनर्स्थापन कार्य का डी0पी0आर0 एक–एक प्रति में तकनीकी स्वीकृति प्रदान कर प्रशासनिक अनुमोदन हेतु समर्पित की जाती है। जिसकी विवरणी निम्नवत है।

क्र0	प्रखंड	योजना का नाम	क्षतिग्रस्त भाग की लम्बाई (KM)	तकनीकी स्वीकृति की राशि (Lakh)
1.	Singheshwar	NH 106 Nariyal Vikash Board To Sukhasan	0.04	1.63597
2.	Singheshwar	Budhawe To Latrahi	0.269	7.93050
3.	Singheshwar	Singheshwar Birali Belari Road	1.662	34.42555
4.	Singheshwar	Barhari NH 106 Se Babhani Path Mahuli	0.858	15.23901
5.	Gamhariya	Jagir To Singhiyan	0.033	13.02978
6.	Kumarkhand	Kumarkhand To jaduapatti	0.258	9.27227
7.	Kumarkhand	Kumarkhand To Ramganj	0.354	23.03287
8.	Kumarkhand	Kumarkhand Rauta Tengraha	0.077	1.54242
9.	Kumarkhand	NH 106 To Rauta Bridge Via Berali Ranipatti	0.180	5.16275
10.	Kumarkhand	Tikuliya hat To Laxmipur Bhagwati Vishwa Bank Path	0.315	5.29505
11.	Kumarkhand	Kumarkhand Israinkala Jorawarganj	0.501	11.30913

P.T.O.

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क्र0	प्रखंड	योजना का नाम	क्षतिग्रस्त भाग की लम्बाई (KM)	तकनीकी स्वीकृति की राशि (Lakh)
12.	Kumarkhand	Ratanpatti Sadak Korlahi To Kewatgama Chowk	0.231	3.00461
13.	Kumarkhand	Madhuban to Gopipur	0.173	2.08435
14.	Kumarkhand	PMGSY Sadak Kankar To Semarahi	0.421	6.75308
15.	Murliganj	Murliganj NH 107 To Pakilpar (Harpur)	1.016	23.65990
16.	Murliganj	Belo Chamgadh Se Chatra Kantahi	0.910	27.52292
17.	Shankarpur	Sonbarsa To Shankarpur	0.361	4.57169
18.	Kumarkhand	Baisarh To Bhairopur	0.057	0.23201
19.	Kumarkhand	Tikuliya Bhatani Bhokaraha Samarpan School Tengraha Mandir Via Basantpur Durga Mandir PMGSY Road	0.673	14.56602
20.	Murliganj	Middle School Rajani PWD Road To Pratap Nagar	0.030	0.80131
21.	Murliganj	Jorgama Panchayat me Sushila Devi Ke Ghar se MMKSY Path Hanuman Mandir	0.022	1.92630

अनु0:–प्राक्कलन एक–एक प्रति में।

विश्वासभाजन,

21/05/22

अधीक्षण अभियंता,
ग्रामीण कार्य विभाग, कार्य अंचल,
मधेपुरा।

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ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Bihar Rural Development Agency (BRRDA)

Head :- F.D.R.

YEAR (2021-22)

STATE	BIHAR
DICTRICT	Madhepura
BLOCK	Sigheshwar
DIVISION	Madhepura

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM NH 106 NARIYAL VIKASH BOARD TO SUKHASAN

Actual Length of Road	=	5.510 Km
Flood affected Length of Road	=	0.04 Km
TOTAL COST OF PAVEMENT	Rs	1,63,596.75
TOTAL PROJECT COST	Rs	1,63,596.75

Submitted By:
Executive Engineer
RWD (W) Division,Madhepura

Prepared By:
Executive Engineer
RWD (W) Division,Madhepura

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Inspection Report for Flood Damage work

Date:-

1 Name of PIUS :- Madhepura.

2 Name of Block :- Singheshwar.

3 Name of Road :- Temp. Restoration of Road from NH106 Nariyat Vikash Darad to Sukhasan.

A. For Road

1 Damage Location/Chainage :- ~~[illegible]~~ 1120 to 1160m

2 Damage Length :- 0.040 km.

3 Nature of damage :- heavy Rainfall.

4 Details of Restoration Works :-

i Material being used in Restortion works:- Local Sand and EC Bags.

ii Equipments/Tools being used in Restoration works :- Tractor and J.C.B.

iii Procedure taken up in Restoration works :-

iv Restored Length :- 0.040 km.

B. For Bridge

1 Damage Location/Chainage :-

2 Damage Length :-

3 Nature of damage :-

4 Details of Restoration Works :-

i Material being used in Restortion works:-

ii Equipments/Tools being used in Restoration works :-

iii Procedure taken up in Restoration works :-

iv Restored Length :-

[signature] 01/11/2021 JE | [signature] 01/11/021 AE | [signature] 1/11/21 EE

[illegible]
[signature] 13/11/21

Signature
(Name of inspector) EE. Trivanigh

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–:तकनीकी प्रतिवेदनः–

अंचल का नामः– मधेपुरा　　प्रमण्डल का नामः– मधेपुरा।

योजना शीर्षः– 3054 एफ.डी.आर.

पथ का नामः– **NH106 Nariyal Vikash board to Sukhasan**

पथ की लम्बाईः–**5.510** कि.मी.

निर्मित/निर्माणाधीन पथ का शीर्षः–3054 एम.आर

प्राक्कलित राषिः– रू0 **1.636** लाख

प्रस्तुत प्राक्कलन वर्ष 2021 में आई अप्रत्याषित अतिवृष्टि एवं बाढ़ के कारण **NH106 Nariyal Vikash board to Sukhasan** पथ में हुए क्षति यथा कटाव/धसान/जलजमाव की आकस्मिक मरम्मति एवं यातायात पूनर्बहाल करने हेतु शीर्ष 3054 एफ.डी.आर. मद से सचिव, ग्रामीण कार्य विभाग/उच्चाधिकारियों के द्वारा दिये गये निर्देष के अनुपालन में तैयार किया गया है।

प्राक्कलन अन्तर्गत पथ में हुए क्षति की विस्तृत मापी दर्षायी गई है एवं प्राक्कलन वर्त्तमान अनुसूचित दर पर तैयार किया गया है।

कनीय अभियंता	सहायक अभियंता	कार्यपालक अभियंता
ग्रामीण कार्य विभाग	ग्रामीण कार्य विभाग	ग्रामीण कार्य विभाग
कार्य प्रषाखा, सिंघेश्वर	कार्य अवर प्रमण्डल,सिंघेश्वर	कार्य प्रमण्डल, मधेपुरा।

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SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM NH 106 NARIYAL VIKASH BOARD TO SUKHASAN

DIVISION :- Madhepura
BLOCK :- Sigheshwar
Actual Length of Road :- 5.510 Km
Flood Affected Length of Road :- 0.04 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	1,41,741.17
2	Add:-Labour Cess @1% amt. =	1,417.41
3	Add:GST@12% on amt. =	17,008.94
4	Add:S.F.@ 10% on Material (Brick Bats) =	3,429.22
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	1,63,596.75

Say ₹ 1,63,597.00 /-

Junior Engineer
RWD (W) Division,Madhepura

Assistant Engineer
RWD (W) Division,Madhepura

Executive Engineer
RWD (W) Division,Madhepura

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IS ब्लॉक - IS अधीक्षण अभियन्ता

पत्रांक - मु॰ अ॰ - 4 (मु॰) विविध (कार्य) 23-291/2019-4849

दिनांक - 07/12/2021

Technically sanctioned for ₹ 1,53,597.00/- (i.e. one lakh fifty three thousand five hundred ninty seven only)

Executive Engineer
Rural Work Department
Work Circle Madhepura

Superintending Engineer
Rural Works Department
Works Circle, Madhepura

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Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM NH 106 NARIYAL VIKASH
NAME OF ROAD :- BOARD TO SUKHASAN
BLOCK :- Sigheshwar

S.No	SOR NO	DESRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1/1	12.3	Sand filling in Foundation Trenches as per Drawing & Technical Specification				
		E/W	240.00	Cum	141.85	34044.00
2/2	A/R	Providing & laying Brick Bat....				
		Providing and laying of Brick bat obtained from chimney with machenical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.				
		Brick Bats	0.00	Cum	1032.00	0.00
3/7	5.7.40.1	Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutli and EC bag etc. all complete as per approved desing, specification and direction of E/I				
		Sand	1.75	Cum	141.85	248.24
4/8	5.7.40.2	Providing,laying and filling Geo bags of size 1m X 0.7 m(Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m3. weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km)				
		Sand	0.00	Cum	141.85	0.00
5/9	401	Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.				
		For Grading I Material (with Coarse Sand Screening)				
		Unit = Cum				
		Taking output = 300 cum				
		Coarse graded granular sub-base material as per Table 400.2				
		53 mm to 9.5mm @ 50 percent	180.00	Cum	516.42	92955.60
		9.5 mm to 2.36 mm @ 20 percent	72.00	Cum	411.33	29615.76
		2.36 mm below @ 30 percent (coarse Sand Screening)	108.00	Cum	185.94	20081.52
		Cost for 300 cum = a				142652.88
		Rate psr Cum = (a)/300		Cum		475.51
			0.00	Cum	475.51	0.00
						0.00
		GSB Gr-I			TOTAL	34292.24
					Say	3429.22
		Seigniorage Fees @10% of Basic Amount				

Accepted 01/01/21
JE

01/11/2021
AE

1/1/21
EE

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Details of Measurement

कार्य का ब्योरा Deatail of Workl	संख्या No.	Measurement लम्बाई in m.	चौड़ाई In m.	In m.	मात्रा Quantity
NAME OF ROAD :-	**DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM NH 106 NARIYAL VIKASH BOARD TO SUKHASAN**				
Item No. 1 Sand filling in Foundation Trenches as per Drawing & Technical Specification					
	1	40	2	3.00	240.000
		Total (in Cum)			**240.000**
Item No. 2 Providing and laying of Brick bat obtained from chimney with machenical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.					
	1	0.00	4.00	0.40	0.00
		0.00			**0.00**
Less For Pipe	**0**	**22/7x(0.6)2x2.5**		**(-)**	**0.000**
				Total (in Cum)	**0.000**
Item No. 3 Labour for cutting 62mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I					
	1	0		2.75	0.000
For Bamboo pilling 1.25m			**Total (in m)**		**0.000**
Item No. 4 Labour for fitting and fixing Split bamboo woven chachari in position with 20 swg G.I wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E/I					
Size 6m*2m, Ch-.2nd km	1	0	0.9		0.00
For Chachary 01 no.(6m) Bamboo=1.413 sqm	0	0	2		0.00
				Total (in sqm)	**0.00**
				Total (in m)	**0.00**
Item No. 5 Labour for fitting and fixing 75 mm dia bamboo runners in position at every vertical pole with 150 mm long nails or 38 swg G.I. wire including cost of G.I wire or nails complete job as per specification and direction of E/I					
	3	0			0.00
				Total (in m)	**0.00**
Item No. 6 Supply of Bamboo at site.					
				Total (in m)	0.00
				Total (in nos.)	0.00
					0.00
Item No. 7 Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutli and EC bag etc. all complete as per approved desing, specification and direction of E/I					
	1	10	0.7	0.25	1.75
		Total (in cum)			1.75
					51.47
(0.034m3=1 no. of EC Bags)				Total (in nos.)	51.00
Item No. 8 Providing,laying and filling Geo bags of size 1m X 0.7 m(Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m3. weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km)					
	2	0	1.2	0.9	0.00

Accepted 01/11/2024 JE

01/11/2024 A-E

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								0.00
	(0.07m3=1 no. of Geo Bags)							0.00
						Total (in nos.)		0.00
Item No. 9	Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.(Gr-II Material)							
					1	0.00	1.50	0.25	0.00
							Total (Cum)		**0.00**
Item No. 1	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).							
					0	4	2.5		0.00
							Total (in m)		0.00

01/11/2024
JE

01/11/24
A.E.

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Schedule of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM NH 106 NARIYAL VIKASH BOARD TO SUKHASAN BLOCK :- Sigheshwar

S.No	SOR NO	DESRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	240.00	Cum	582.71	139851.46
2	A/R	Providing and laying of Brick bat obtained from chimney with machenical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.	0.00	Cum	1922.87	0.00
3	5.7.7	Labour for cutting 62mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I	0.00	m	45.86	0.00
4	5.7.8	Labour for fitting and fixing Split bamboo woven chachari in position with 20 swg G.I wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E/I	0.00	sqm	78.20	0.00
5	5.7.9	Labour for fitting and fixing 75 mm dia bamboo runners in position at every vertical pole with 150 mm long nails or 38 swg G.I. wire including cost of G.I wire or nails complete job as per specification and direction of E/I	0.00	m	5.31	0.00
6		Supply of Bamboo at site.	0.00	nos.	188.39	0.00
7	5.7.40.1	Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutli and EC bag etc. all complete as per approved desing, specification and direction of E/I	51.00	nos.	37.05	1889.72
8		Providing,laying and filling Geo bags of size 1m X 0.7 m(Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m3. weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km)	0.00	Each	172.18	0.00
9	401	Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	0.00	Cum	2091.76	0.00
10	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	0.00	m	4046.57	0.00
		Total			Rs.	141741.17

JE 01/11/2021

AE 01/11/021

EE 1/11/21

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