#### अधीक्षण अभियंता का कार्यालय, ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा। पत्रांक 623..../१९४०

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 !7.2/... अनु0, दिनांक <u>-191 5) 22</u> एवं अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक मु030–4(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 डी०पी०आर० एक—एक प्रति में तकनीकी स्वीकृति प्रदान कर प्रशासनिक अनुमोदन हेतु समर्पित की जाती है। जिसकी विवरणी निम्नवत है।

1991	गा गिम्मपत है।	10 MINE 20 MIN	क्षतिग्रस्त	9 9 50
큙0	प्रखंड यो <mark>जना का</mark> नाम		भाग की लम्बाई	तकनीकी स्वीकृति की राशि (Lakh)
	11 11		(KM)	7 5 Land
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	J <mark>agir To Singhiyan</mark>	0.033	13.02978
6.	Kumarkhand	Kumarkhand To jaduapatti	0.258	9.27227
7.	Kumarkhand	Kumarkhand To Ramganj	0.354	23.03287
8.	Kumarkhand	Kumar <mark>k</mark> hand Rauta Tengraha	0.077	1.54242
9.	Kumarkhand	NH 106 To Rauta Bridge Via Berali Ranipatti	0.180	5.16275
10.	Kumarkhand	Tikuliya <mark>hat To Laxmipur Bhagwati</mark> Vishwa Bank Path	0.315	5.29505
11.	Kumarkhand	Kumarkhand Israinkala Jorawarganj	0.501	11.30913

P.T.O.

	A CONTRACTOR OF THE CONTRACTOR	the state of the s		1386
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 Survila Den 0.022. Ke Ghaz se MMKSY Path Hanuman Mandir विश्वासमाजन,

अनु0:-प्राक्कलन एक-एक प्रति में।

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

11/2/105/22



# 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 DICTRICT BLOCK DIVISION

BIHAR MADHEPURA SHANKARPUR MADHEPURA

## DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM SONBARSA TO SHANKARPUR

			71 (2.17)
	Actual Length of Road	II	6.370 Km
1 1/2	Flood affected Length of Road	=	0.361 Km
	TOTAL COST OF PAVEMENT	Rs	4,57,168.58
	TOTAL PROJECT COST	Rs	4,57,168.58
111			pl I

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

#### SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF

ROAD FROM SONBARSA TO SHANKARPUR

NAME OF ROAD :-

DIVISION:- MADHEPURA

BLOCK: SHANKARPUR

Actual Length of Road :- 6.370 Km

Flood Affected Length of Road :- 0.361 Km

Sr.	Description	(a (3 pp. ) f	· ', -'r) = 1.52	Amount (In Rs.)
No.		STIPLY .		10.
1	Total Cost of Rest	oration=		3,96,595.53
2	Add:-Labour Cess	@1% amt. =		3,965.96
3	Add:GST@12% on	amt. =		47,591.46
4	Add:S.F.@ 10% on 1	Material =		9,015.63
	TOTAL RES	TORATION COST	OF THE PROJECT IN LACS	4,57,168.58

Say 7 4,57,169.00/

Junior Engineer

RWD (W) Division, Madhepura

Assistant Engineer
RWD (W) Division, Madhepura

Executive Engineer
RWD (W) Division,Madhepura

T.S Mo-42 dufed-20/3/2022 切り-月0310-4(月0) 同日2(万円) 23-291/2019-4849 同前5-07/12/2021

Technically sanctioned for 7 4,57, 169.00/- (i.e. four lass

fifty seven thousand one hundred sixtynine only)

Solot of

Estimating Officer
Rural Work Department
Work Circle, Madhepura

1 /2/105/2

Superintending Engineer Rural Works Department Works Circle, Madhepura

Ling of Louis of

Pro-

## Inspection Report for Flood Damage Work

Da	te:- 13/11/02/
1.	Name of PIUs: 13-12-2021 Er Shailendra Kymar
2.	Name of Block: Shan konpur
3.	Name of Road: - Construction of Road Grown Sonbarsa to showkarpuz

#### A. For Road

1.	Damage Location/Chainage: 0.580km to 5.20km, 3.50km to 3.68, 4.30 to 4.405km, 4.80 to 5.20  Damage Length: 0.264 18, m
2.	Damage Length: 0.36   R. m.
3	Nature of D

- Nature of Damage :- Road Cutting
- 4. Details of Restoration Works :
  - i. Material being used in Restoration works:
  - il. Equipments/Tools being used in Restoration works: | G S B Greceling II metainel
  - lii. Procedure taken up in Restoration works:-
  - iv. Restored Length:-

#### B. For Bridge

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

(Name of Inspector)

#### -: तकनीकी प्रतिवेदन:-

अंचल का नाम:— मधेपुरा योजना शीर्ष:— 3054 एफ.डी.आर. पथ का नाम:— सोनवर्षा से शंकरपुर पथ। पथ की लम्बाई:— 6.370 कि.मी. निर्मित/निर्माणाधीन पथ का शीर्ष:— राज्य योजना प्राक्कलित राशि:— रू० 4.57168 लाख

प्रमण्डल का नाम:- मधेपुरा।

प्रस्तुत प्राक्कलन वर्ष 2021 में आई अप्रत्याशित अतिवृष्टि एवं बाढ़ के कारण सोनवर्षा से शंकरपुर पथ में हुए क्षति यथा कटाव/धसान/जलजमाव की आकस्मिक मरम्मित एवं यातायात पूनर्बहाल करने हेतु शीर्ष 3054 एफ.डी.आर. मद से सचिव, ग्रामीण कार्य विभाग/उच्चाधिकारियों के द्वारा दिये गये निर्देश के अनुपालन में तैयार किया गया है।

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

कनीय अभियंत

कनीय अभियंता ग्रामीण कार्य विभाग कार्य प्रशाखा, शंकरपुर सहायक अभियंता

ग्रामीण कार्य विभाग कार्य अवर प्रमण्डल, शंकरपुर कार्यपालक अभियंता ग्रामीण कार्य विभाग कःर्य प्रमण्डल, मधेपुरा।

### Calculation of Seigniorage Fees

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM SONBARSA TO

SHANKARPUR BLOCK :- SHANKARPUR

No	SOR NO	Construction of order	OTY	UNIT	RATE	AMOUNT
1840		Construction of empankment with apprecial	VII	UNII	KATE	ANIOUS
		Dotained from borrow bits with a lift upto 4 c	1	l		3
1/1	12.3	transporting to site, spreading grading to required alone	1	1		
100		Torid compacting to meet requirement of Tables 200 4				
		and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5				
		E/W	0.00	Cum	34.81	0.00
2/2	A/R	Providing & laying Brick Bat	0,00	Cum	34.01	
100		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		ſ		
		direction of engineer in charge.				
		direction of engineer in charge.				
1		Brick Bats	0.00	Cum	1032.00	0.00
		Labour filling empty cement bags with loocal sand,				
3/7	5.7.40.1	stitching the bags and placing including supply of sutli				
311	0.11.1011	and EC bag etc. all complete as per approved desing,	1			
	'	specification and direction of E/I	0.00	Cum	141.85	0.00
	<del> </del>	Sand				
		Providing, laying and filling Geo bags of size 1m X 0.7 m(Type A 300 GSM nonwoven) weight of bags 420g	(			
	1	volume of filled bag 0.07m3. weight of filled Geo bags				
		126 Kg with local sand including stitching in four lines by	>.			
	5.5.40.3	approved nylon thread with stitching machine and	1	1		
4/8	5.7.40.2	generator stacking and placing after loading unloading		1	1	
		Land corrigge with help of trolley within 150m lead all				
		complete as per specifications and direction of E/I	1			
	1	(including Carriage of Local sand lead 0.5 km)			144.05	0.00
			0.00	Cum	141.85	0.00
					1	
	1	0		Į.		
510	401		1		1	
5/9	1	I	1			
		the desired density, complete as per rosining				<u> </u>
		lo ification Clause 401.				
		For Grading I Material (with Coarse Sand Screening)	<del></del>	-		
	<del></del>	Unit = Cum	+	+		
	+	Taking output = 300 cum	-	+		
L.		Coarse graded granular sub-base material as per	1			
1		Table 400.2	180.0	0 Cum	516.42	92955.60
<del> </del>	-	53 mm to 9.5mm @ 50 percent	72.0		411.33	29615.76
-	+	0.5 mm to 2.36 mm @ 20 percent	_		105.04	20081.52
-		2.36 mm below @ 30 percent (coarse Sand Screening	) 108.0	o Culi	-	142652.8
		2.36 mm below & ee p  Cost for 300 cum = a	+	Cun	1	475.51
		Rate psr Cum = (a)/300	100	_		90156.32
		Rate psr Guin - (G)/553	189.	ou Cun	470.01	90156.32
			`		TOTAL	
		GSB Gr-II				9015.63
	-	Seigniorage Fees @10% of Basic Amount			Say	

Jan 10 - 21

130/10/07/

A SOUTH

			Det	ails of	Measu	iremen	t		
					Mea		Measureme	nt	
	DE	SCRIPTIO	N		No,	LENGTH	WIDTH	HEIGHT	QTY.
AME OF	ROAD :-	DETAIL	ED <sub>.</sub> ESTI				STORATIC KARPUR	N OF RO	AD FROM
em No. 1	1 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						mpacting		
h:-in	Trechinical	Opecificati	on Clause	6,106	1	0	0,000	0.000	0.000
M;-110						— <u> </u>	Total (in Cu	A particular or which were the party of	0.000
em No. : Laying	spreading	g, grading to	o required	slope and	compacted	at OMC to a	chenical mear acheive requir	is with all	
rick	Idensity w	ith all comb	iete as bei	me directi	on of engin	eer in chard I 0	4,533	0.300	0.000
h:-in						0.00	Total (In		0.000
tem No. 3	Labour fo	or cutting 62	2mm to 75	mm dia bar	mboo piles	to size and	making shoes		
:H:-in	Junving C	.c. complete	Job as pe	apecinicati	1	0.00		2.4	0.000
<u>,ПШ</u>	1	1			1	0.00		2.1	0,000
N1 14 1		For	Bamboo pi	lling 1,25m			Total (in m)		0.000
tem No. 4	wire or 7	or fitting and 5 mm to 10 e job as per	0 mm long	nails alterr	natively incl	uding cost o	ion with 20 sv f G.I. wire or i	vg G.I nails	
			Siz	ze 6m*2m,	2	0	2		0.00
Fo	Chachary	01 no.(6m	) Bamboo=	1.413 sqm	1	0	2	<del>,  </del>	0.00
1							Total (in sqm	<u>'</u>	0.00
					1				0.00
tem No.	Ipole with	150 mm lo	ng nails or	· 38 swg G.	I. wire inclu	ers in position	I (In m) on at every ve G.I wire or na	ertical ills	0.00
	Ipole with	or fitting and 150 mm lo e job as per	ng nails or	· 38 swg G.	l. wire inclu- ection of E/I	ers in position ding cost of	on at every ve	ertical ills	0.00
CH:-in	Ipole with	150 mm lo	ng nails or	· 38 swg G.	I. wire inclu- ection of E/I 3	ers in position	on at every ve	ertical ills	
CH:-in	Ipole with	150 mm lo	ng nails or	· 38 swg G.	l. wire inclu- ection of E/I	ers in position of the cost of	on at every ve	ertical ills	0.00
CH:-in CH:-in	pole with complete	a 150 mm lo e job as per	ng nails or specificati	· 38 swg G.	I. wire inclu- ection of E/I 3	ers in position of the cost of	on at every ve G.I wire or na Total (in m)		0.00 0.00 <b>0.00</b>
CH:-in CH:-in	pole with complete	150 mm lo	ng nails or specificati	· 38 swg G.	I. wire inclu- ection of E/I 3	ers in position of the cost of	G.I wire or na  Total (in m)		0.00 0.00 <b>0.00</b>
CH:-in CH:-in	pole with complete	a 150 mm lo e job as per	ng nails or specificati	· 38 swg G.	I. wire inclu- ection of E/I 3	ers in position of the cost of	on at every ve G.I wire or na Total (in m)		0.00 0.00 <b>0.00</b> 0.00
CH:-in CH:-in Item No.	pole with complete	o 150 mm lo e job as per of Bamboo	ang nails or specificati	38 swg G.	I. wire inclusection of E/I	ers in position of the cost of	Total (in m) Total (in nos	.)	0.00 0.00 <b>0.00</b>
CH:-in CH:-in tem No.	6 Supply of Labour including	of Bamboo a filling empty g supply of	at site.	on and dire	I. wire inclusection of E/I  3  2	ers in position of the cost of	G.I wire or na  Total (in m)	.)	0.00 0.00 <b>0.00</b> 0.00
CH:-in CH:-in Item No.	6 Supply of Labour including	of Bamboo	at site.	on and dire	I. wire inclusection of E/I  3  2	ers in position of the cost of	Total (in m) Total (in nos	.)	0.00 0.00 <b>0.00</b> 0.00
CH:-in CH:-in Item No.	6 Supply of Labour including	of Bamboo a filling empty g supply of	at site.	on and dire	ocal sand, sall complete	ers in position of the control of th	Total (in m) Total (in nos	.) cing	0.00 0.00 0.00 0.00 0.00
CH:-in CH:-in Item No.	6 Supply of Labour including specific	of Bamboo a filling empty g supply of	at site.  cement be sutli and Exection of E	ags with loc	ocal sand, sall complete	ers in position of the control of th	Total (in m) Total (in mostoroved desing	.) cing	0.00 0.00 0.00 0.00 0.00

	Providing, laying and filling Geo to weight of bags 420g volume of fill local sand including stitching in f machine and generator stacking	Sum line .	ant of filled G	eo bags 126	Ka with 1	
No.	machine and generator stacking help of trolley within 150m lead a	and placing after load	ding unloadin	with stitchin	g go with	
	help of trolley within 150m read a (including Carriage of Local sand	all complete as per sp	e cifications	nd direction (	of F/I	
Wall	(including Carriage of Local sand	d lead 0.5 km)	omounons a	na anection i	), C/1	
		1	0	0	0	0.00
				0	L	0.00
	(0.07m3=1 no. of Geo Bags)					0.00
Marin San			Tatal /in	\		0.00
m No. 9	construction of granular sub-ba	se by providing wen a	Total (in			0.00
	labicating in minioriti layers with	tractor mounted arad	er arrandem	ont on	1 1	
	Thichaica saliace, Illixilla DA Wix	On place method with	rotavator at	OMC and	1 1	
	leguipacting with smooth wheel	roller to achieve the	desired dens	sitv.		
P. C.	complete as per Technical Spec	cification Clause 401.(	Gr-II Materia	ıl)		
n:-in		1	7.00	3.50	0.150	3.68
n:-in		1	6.00	3.20	0.125	2.40
h:-in	All and the second seco	1	2.00	1.50	0.175	0.53
n:-in		1	5.50	3.70	0.150	3.05
n:-in		1	4.80	3.00	0.125	1.80 3.68
n:-in		1	6.00	3.50 1.50	0.175	0.56
n:-in		1 1	2.50	1.80	0.130	0.45
n:-in		1 1	5.30	2.50	0.150	1.99
h:-in h:-in		1	1.50	2.00	0.175	0.53
h:-in			6.20	1.50	0.175	1.63
h:-in		1	2.00	1.60	0.125	0.40
h:-in		1	13.20	4.05	0.200	10.69
h:-in		1	28.30	2.20	0.175	10.90
h:-in		1	9.20	2.50	0.200	4.60
h:-in		1	5.30	4.05	0.175	3.76 5.70
h:-in		1	9.50	4.00	0.150 0.125	0.92
h:-in	, 1	1	3.20 4.00	2.30 3.00	0.125	2.10
ch:-in		1	3.00	3.50	0.200	2.10
Ch:-in		1	5.50	4.05	0.175	3.90
Ch:-in		<del></del>	11.00	3.30	0.175	6.35
Ch:-in		<del>- 1</del>	8.00	3.00	0.150	3.60
Ch:-in		1	4.00	2,50	0.175	1.75
Ch:-in Ch:-in		1	12.00	3.50	0.175	7.35
Ch:-in		1	4.00	3.00	0.150	1.80
Ch:-in		1	2.00	1.50 3.00	0.150	0.45 2.25
Ch:-in		1 1	5.00 2.50	1.50	0.130	0.47
Ch:-in		<del>-    </del>	3.00	2.00	0.150	0.90
Ch:-in		<del></del>	3.50	1.50	0.125	0.66
Ch:-in		1	9.50	4.05	0.175	6.73
Ch:-in Ch:-in		1	3.40	2.50	0.150	1.28
Ch:-in Ch:-in		1	4.00	2.00	0.175	1.40
Ch:-in		1	2.50	3.50	0.150	1.31
Ch:-in		1	6.00	3.75	0.175	3.94
Ch:-in		1	115.00	4.05	0.150 0.150	69.86 2.73
Ch:-in		1	4.50 14.00	4.05 2.50	0.150	5.25
Ch:-in		1	5.00	2.00	0.150	1,50
Ch:-in		<del></del>	3.50	1.50	0.150	0.79
Ch:-in	<u>.</u>	<del></del>	6.40	4.05	0.150	3.89
Ch:-in			360.8	T	otal (Cum)	189.60
1	o. 1 Providing and Laying Reinford	ed Cement Concrete	Pipe NP3 as	per design ir	n Single	
Item No	D. 1 Providing and Laying Reinford Row(1000mm Dia).	Jou Comon Control	4		-	
7					_	0.00

## Schedule of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD BLOCK :-

SHANKARPUR

S.No	SOR NO	DESRIPTION OF ITEMS	CATTON I		TO 4 (1772)	AMOUNT
	14.	Construction of embankment with approved material	QTY	UNIT	RATE	ANIOUNA
ì	301.5	transport by pits with a lift upto 1.5 m		Cum	182.79	0.00
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.	0.000	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	0.000	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	0.000	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.l. wire including cost of G.l wire or nails complete job as per specification and direction of E/L	0.000	m -	5.31	0.00
6	1	Supply of Bamboo at site.	0.000	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	0.000	nos.	37.05	0.00
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 fines 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	0.000	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.	189.599	9 Cum	2091.76	396595.53
10		Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	0.000	m	4046.57	0.00
		Total			Ŕs.	396595.53

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