SPAL WORKS DEPARTMENTS

GOVERNMENT OF BIHAR

CIRCLE - R.W.D. works Circle, Kishanganj

DIVISION - R.W.D. works Division, Kishanganj-2

Name of Work :-

HARWADANGA DHANTOLA ROAD TO BILAL TOLA

Block :-

Dighalbank

Estimated cost :-

Rs 1207725.00

Year: 2021-22

Inspection Report for Flood Damage Work

195hangous-2 1.Name of PIUs DighalBank. 2. Name Of Block / Road Harwadonga Shoutela Read to Bellal Tola A. For Road 1.Damage Location / Chainage 127.00 M. 2. Damage Length Exession and Leep costing. Usonel & Bu bot in billing with FC. Bops filled with your 3. Nature Of Damage 4. Details Of Restoration Usand, Ble Bet, Ec Bap's of bamboo & H.P i) Material Being Used In Restoration Jes, Tractor Toolly of General Tools. ii) Equipment / Tools Being Used In Restoration Works manually. iii) Procedure Taken Up In Restoration Works 127.00 M. iv) Restored Length B. For Bridge 1.Damage Location / Chainage 2.Damage Length 3. Nature Of Damage 4. Details Of Restoration i) Material Being Used In Restoration ii) Equipment / Tools Being Used in Restoration Works iii) Procedure Taken Up In Restoration Works iv) Restored Length

Signature of JE / AE

Satisfactory

Signature

(Name Of Inspector)

प्रतिवेदन

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग, कार्य प्रमंडल, किशनगंज-2 अंतर्गत दीघलबैंक प्रखंड के पथ "HARWADANGA TO HARIBHITTA (2.0KM)"जो विभागीय Online Monitoring Syatem MIS पर अपलोड है के बाढ 2021 से क्षितिग्रस्त हो जाने के कारण यातायात लायक Motorable हेतु बनाया गया है | इस कार्य को कराने का निर्देश ग्रामीण कार्य विभाग, बिहार सरकार के पत्रांक:- मु०अ०- 4 (मु०) विविध कार्य- 23-60/2020 - 1937 / पटना, दिनांक- 07.07.2021 से प्राप्त है | इस पत्र से Real time geotagged photograph को कार्य के दौरान अपलोड करते हुए (Motorable) कार्य कराना सुनिश्चित करने का निर्देश प्राप्त है |

उक्त निर्देश के आलोक में कंकई नदी उपधार नदी/नदी उपधार से आए बाढ़ के कारण इस पथ के Road wayके क्षतिग्रस्त हो जाने से सुरक्षित आवागमन हेतु Motorable कार्य कराया गया है | MIS में अपलोडेड फोटो क्षतिग्रस्त होने का,कार्य होने के दौरान का एवं पुनः स्थापित हो जाने के बाद का Lat/Long रियल टाइम के साथ लिया गया है | नेपाल तराई से निकलने वाली इस नदी के तेज धार से इस पथ में कटाव की स्थिति बनी | Motorable कार्य में आवश्यकता अनुसार Bamboo Pilling / Pitching of E.C. Bags filled with local sand / Local sand filling / Brick bats का इस्तेमाल किया गया है | Motorable कार्य कराकर यातायात बहाल कर दिया गया है | निर्देशानुसार कराये गए कार्य का Geotagged photo real time के साथ MIS पर अपलोड है | MIS की छायाप्रति, अपलोडेड फोटोग्राफ की छायाप्रति, दर विश्लेषण एवं विभागीय आदेशों की छायाप्रति प्राक्कलन में संलग्न की जा रही है | प्राक्कलन में प्रयुक्त दर अद्धतन है |

प्राक्कलन की यथा शीघ्र अनुमोदन अपेक्षित है ताकि अग्रेतर कार्रवाई की जा सके |

कनीय अभियंता

ग्रामीण कार्य विभाग

कार्य प्रशाखा- दीघलबैंक

सहायक अभियंता

ग्रामीण कार्य विभाग

कार्य अवर प्रमंडल- दीघलबैंक

कार्यपालक अभियंता

ग्रामीण कार्य विभाग

कार्य प्रमंडल, किशनगंज -2

ABSTRACT OF COST

Name of V	Vork :-	HARWADANGA DHANTOLA ROAD TO BILAL T	OLA
Block :-		Dighalbank	
SI. No.		Particulars	Amount (In Rs.)
А	Cost of R	estoration work :-	Rs 1024747.00
В	Add 12 %	GST	Rs 122970.00
С	Add 1 %	L. Cess	Rs 10247.00
D	Add S.Fe	e @ 10 % of Material Cost	Rs 49761.00
		Total Cost with GST, LC & S.Fee	Rs 1207725.00

Dighalbank

Dighalbank

Kishanganj - 2

Teathnically sanation for Ps 1207,725.00 (Rupees toelve Lacs seven thousand seven hundred twenty fire) only

Detailed Estimate

Nan	ne of W	ork :-	HARWADANGA DHANTOLA ROAD TO BILAL TOLA			
SI. No.	SDB Sl. No.	MORD Ref.No	Description No No Tongth Maria Incignit Otto	Unit	Rate (Rs.)	Amount (Rs.)
1	WRD	5.7.7	Providing bamboo piles including labour for cutting of 62 mm to 75 mm		(1/2.)	(NS.)
			dia bamboo piles to size and making shoes and driving etc complete job as			
			per specification and direction of E/I			
		1.	1 105 3.00 315.00			
		-	1 105 3.00 315.00			
			1 105 3.00 315.00 1 9 3.00 27.00			
				0.44	52.24	50777.00
2	WRD	5.7.8	Providing, fitting and fixing split bamboo woven chachari in position with	witr.	52.24	50777.00
2	VVIID	3.7.8	20 swg G.I. wire or 75 mm to 100 mm long nails alternatively including			
		17.	cost of G.I. wire or nails, bamboo labour for complete job as per			
			specification and direction of E / I.			
			0 0 0.00 0.00 - 0.00			
			0 0 0.00 0.00 - 0.00			
			Total:- 0.00	Sqm	426.14	0.00
3	WRD	5.7.9	Supplying, fitting and fixing 62 mm to 75 mm dia bamboo runners in			
			position at every vertical pile with 150 mm long nails or 38 swg G.I. wire			
			including cost of G.I. wire or nails, all material and labour complete job as			
		- 15 +	per specification and direction of E/I.			
li sa	-		1 3 30.00 - 90.00 1 3 30.00 - 90.00			
	c .	23	1 3 30.00 - 90.00 1 3 30.00 - 90.00			
			1 3 2.50 - 7.50			
			Total:- 277.50	Mtr.	27.71	7690.00
4	WRD	5.7.46	Supplying and placing bamboo roll each roll of 4 nos uncleared full			. 050.00
		(b)	bamboo 75 mm dia 6 m to 8 m long at site binding properly each other in			
			bunch with annealed wire 20 to 25 SWG at least at three places along its			
			length, 3 nos loads filled with (Brick bats) in empty cement bags and trying			
	21		it with B.A. wire 8 to 10 SWG launching in river and placing in position and			
			trying the bamboo roll at one end at least 15M away from the river bank			
			to Bamboo post, including piling of bamboo post & royality etc. and			
			carriage of all materials at site all complete job as per specification and			
			direction of E/I.			
			0 0 0.00			
			0 0 0.00 Total:- 0.00	No.	1118.26	0.00
5	WRD	5.7.47		NO.	1110.20	0.00
		(a)	Supplying, making and placing in position Tree branches and Jhankhi			
			covering cover over all space of abour of 2.832 Cum providing 3 nos. of			
			loads by filling boulder spall in EC bags, trying with 20 to 25 SWG annealed			i
	- 25		wire to the tree spur and anchoring the same with B.A.wire 8 to 10 SWG		1.	
	i		to the bamboo post at least 15M away from the river bank including			
			piling of bamboo post & royality etc. and carriage of all materials at site all			
ŧ			complete job as per specification and direction of E/I.			
			0 0 0.00			
			0 0 0.00			
,		205	` Total:- 0.00	No.	1562.35	0.00
6	3.14	303.1	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.			
5.5			0 0 0.00 0.00 0.00 0.00			
	F:		0 0 0.00 0.00 0.00 0.00			
	E			Cum	174.93	0.00
7	10.01	3002.0	Restoration of Rain Cuts (By Manual Means)			
					811	

Restoration of raincuts with soil, moorum, gravel or a mixture of these, clearing, the loose soil, benching of 300mm width, laying fresh material in layers not exceeding 250mm and compacting with plater compactor or power rammers to restore the original alignment, level and slopes. 0	SI.	SDB . Sl. No.	MORE Ref.No	Description	No.	No.	Length (M)	Width (M)	Height	Qty	. Ur	Rate (Rs.)	Amount (Rs.)
8 9.2 1100 Sand filling or Type B (First class) bedding R800 Filling and spreading local sand over brick bats as per drawing and technical specification (clause 305.39 LHS 1 1.050 1.50 1.01 1.76				clearing, the loose soil,	benching	of 300	mm widt	h, laving	mixture fresh m	aterial	in :	(113.)	(NS.)
1100 Sand filling or Type B (First class) bedding Total: 0.00 Cum 378.68 0				power rammers to rest	250mm an ore the ori	d com ginal a	pacting of	with plan , level an	te comp nd slopes	actor o	or		
Name								*	-				
(i) 8.800	8	9.2	1100	Cand Elli m					Total:-	0.00	Cui	m 378.68	0.0
technical specification Clause 305.3 g LHS				Filling and spreading	(First cla	ass) b	edding	4/2 H /2					
LHS LHS 1 1 11.70 1.50 0.10 1.58 RHS 1 1 1 1.70 1.50 0.10 1.58 RHS 1 1 1 30.00 2.00 0.10 6.00 RHS 1 1 30.00 2.00 0.10 6.00 RHS 1 1 1 20.00 2.00 0.10 4.00 RHS 1 1 1 20.00 2.00 0.10 4.00 1 1 1 14.50 3.00 0.10 4.35 Total: 25.19 Cum 514.43 12958.1 9 WRD 5.7.40 Brick bats Providing laying and spreading brick bats in Road ditches all complete as per approved design, specifications and direction of E/I LHS 1 1 10.50 1.50 1.50 23.63 RHS 1 1 10.00 2.00 1.50 96.00 RHS 1 1 10.00 1.50 1.50 65.33 RHS 1 1 13.000 2.00 1.50 96.00 RHS 1 1 1 20.00 2.00 1.60 64.00 RHS 1 1 1 40.00 2.00 1.60 64.00 RHS 1 1 1 40.00 2.00 1.60 64.00 RHS 1 1 1 4.00 3.00 1.50 65.25 1 1 5.00 3.00 1.50 65.25 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 DMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401. 0 0 0.00 0.00 0.00 0.00 0 0 0.00 0.0		(-)	000	technical specification C	local sand	over	brick ba	its as pe	er draw	ing and	1		
LHS					5.0						į.		
RHS 1 1 30.00 2.00 0.10 6.00 RHS 1 1 30.00 2.00 0.10 6.00 RHS 1 1 30.00 2.00 0.10 6.00 RHS 1 1 30.00 2.00 0.10 4.00 RHS 1 1 1 20.00 2.00 0.10 4.00 1 1 1 14.50 3.00 0.10 4.35 Total: 25.19 Cum 514.43 12958.1 9 WRD 5.7.40 Brick bats Providing laying and spreading brick bats in Road ditches all complete as per approved design, specifications and direction of £/1 LHS 1 1 10.50 1.50 1.50 23.63 LHS 1 1 10.50 1.50 1.50 26.33 RHS 1 1 130.00 2.00 1.60 96.00 RHS 1 1 30.00 2.00 1.60 96.00 RHS 1 1 30.00 2.00 1.60 96.00 RHS 1 1 1 20.00 2.00 1.66 64.00 1 1 1 14.50 3.00 1.50 65.25 1 1 5.00 3.00 1.00 15.00 Total: 380.21 Cum 2168.72 824569.0 10 4.1 401 Granular Sub-base with Well Graded Material 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. 10 0 0.00 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0 0.00 0.													
RHS						-							y per
RHS									-		100	A 10 10 20	
1 1 14.50 3.00 0.10 4.35 1 1 15.00 3.00 0.10 1.50 Total: 25.19 Cum 514.43 12958.19 WRD 5.7.40 Brick bats Providing laying and spreading brick bats in Road ditches all complete as per approved design, specifications and direction of E/I LHS				The second secon							++		
1											-		3 7
9 WRD 5.7.40 Brick bats Providing laying and spreading brick bats in Road ditches all complete as per approved design, specifications and direction of E/I LHS 1 1 10.50 1.50 1.50 23.63 RHS 1 1 30.00 2.00 1.50 90.00 RHS 1 1 30.00 2.00 1.50 90.00 RHS 1 1 14.50 3.00 1.50 65.25 1 1 14.50 3.00 1.50 65.25 1 1 15.00 3.00 1.50 65.25 1 1 15.00 3.00 1.00 15.00 Total: 380.21 Cum 2168.72 824569.0 10 4.1 401 Granular Sub-base with Well Graded Material 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. 10 RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00						-							
No. Strick Bark Providing laying and spreading brick bats in Road ditches all complete as per approved design, specifications and direction of E/I LHS						1	3.00	3.00	1				
Providing laying and spreading brick bats in Road ditches all complete as per approved design, specifications and direction of E/I LHS 1 1 10.50 1.50 1.50 23.63 RHS 1 1 130.00 2.00 1.50 90.00 RHS 1 1 30.00 2.00 1.50 90.00 RHS 1 1 1 40.50 3.00 1.50 65.25 1 1 1 5.00 3.00 1.50 65.25 1 1 1 5.00 3.00 1.50 65.25 1 1 1 5.00 3.00 1.50 65.25 1 1 1 5.00 3.00 1.50 65.25 1 1 1 5.00 3.00 1.50 65.25 1 1 1 5.00 3.00 1.00 15.00 Total: 380.21 Cum 2168.72 824569.0 [By mix in place method) For Grading II Material 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. CCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. CCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. CCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.	9	WRD	5.7.40	Brick bats					TOTAL:-	25.19	Cun	1 514.43	12958.00
LHS					eading brid	ck hat	in Poad	ditchos	all an				
LHS LHS 1 1 1.0.50 1.50 1.50 23.63 RHS RHS 1 1 30.00 2.00 1.50 90.00 RHS 1 1 30.00 2.00 1.60 96.00 RHS 1 1 30.00 2.00 1.60 96.00 RHS 1 1 20.00 2.00 1.60 64.00 Total: 380.21 Cum 2168.72 824569.0 10 4.1 401 Granular Sub-base with Well Graded Material (i) Granular Sub-base with Well Graded Material 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. RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00				per approved design spe	ecifications	and d	iroction o	ortenes	all com	olete as			
LHS				LHS						2121111	. 1		
RHS							1		- 1				
RHS 1 1 30.00 2.00 1.60 96.00 RHS 1 1 30.00 2.00 1.60 96.00 RHS 1 1 20.00 2.00 1.60 64.00 1 1 14.50 3.00 1.00 15.00 Total: 380.21 Cum 2168.72 824569.0 10 4.1 401 Granular Sub-base with Well Graded Material (By mix in place method) For Grading II Material 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. 10 0 0.00 0.00 0.00 0.00 0.00 11 RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 12 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00													
RHS 1 1 20.00 2.00 1.60 64.00 1 1 14.50 3.00 1.50 65.25 1 1 5.00 3.00 1.50 65.25 1 1 5.00 3.00 1.50 65.25 1 1 5.00 3.00 1.00 15.00 Total: 380.21 Cum 2168.72 824569.0 10 4.1 401 Granular Sub-base with Well Graded Material (i) (By mix in place method) For Grading II Material 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 0 0.00 0.00 0.00 0.00 0 0 0.00 0.0								11-					
1 1 14.50 3.00 1.50 65.25 1 1 5.00 3.00 1.50 65.25 1 1 5.00 3.00 1.00 15.00 Total: 380.21 Cum 2168.72 824569.0 10 4.1 401 Granular Sub-base with Well Graded Material (i) (By mix in place method) For Grading II Material 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 0 0.00 0.00 0.00 0.00 0.00 Total: 0.00 Cum 2977.54 0.00 11 RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 12 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00	1 24			The state of the s					Company of the Land				
1 1 5.00 3.00 1.00 15.00 Total:- 380.21 Cum 2168.72 824569.0 10 4.1 401 Granular Sub-base with Well Graded Material (i) (By mix in place method) For Grading II Material 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 0 0.00 0.00 0.00 0.00 0.00 10 0 0.00 0.0				KI13				-	-			0	
Total:- 380.21 Cum 2168.72 824569.0 10 4.1 401 Granular Sub-base with Well Graded Material (i) (By mix in place method) For Grading II Material 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 0 0.00 0.00 0.00 0.00 0.00 0.00 0													
(i) (By mix in place method) For Grading II Material 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 0 0.00 0.00 0.00 0.00 0.00 Total: 0.00 Cum 2977.54 0.00 RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 0 0 0.00 - 0.00 Total: 0.00 Mtr. 4452.39 0.00 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00					1	1	5.00						
(i) (By mix in place method) For Grading II Material 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 0 0.00 0.00 0.00 0.00 Total:- 0.00 Cum 2977.54 0.00 RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 0 0 0.00 - 0.00 Total:- 0.00 O 0 0.00 - 0.00 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00	10	4.1	401	Granular Sub-base wit	h Wall Ca	n d a d			lotal:-	380.21	Cum	2168.72	824569.00
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. 10 0 0.00 0.00 0.00 0.00 0.00 0.00				(By mix in place mother	d) For C	aueu	Materia				1		
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 0 0.00 0.00 0.00 0.00 0.00 Total:- 0.00 Cum 2977.54 0.00 RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 0 0 0.00 - 0.00 0 0 0.00 - 0.00 Total:- 0.00 Mtr. 4452.39 0.00 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00			(-)	Construction of granular	sub-base	ading	g II Mate	rial	-	7 -4-7			
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 0 0.00 0.00 0.00 0.00 0.00 Total:- 0.00 Cum 2977.54 0.00 RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 0 0 0.00 - 0.00 Total:- 0.00 Mtr. 4452.39 0.00 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00		1		spreading in uniform lave	rs with tro	e by p	gnibivori	well gra	aded ma	aterial,			
and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401. 0 0 0.00 0.00 0.00 0.00 Total:- 0.00 Cum 2977.54 0.00 RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 0 0 0.00 - 0.00 Total:- 0.00 Mtr. 4452.39 0.00 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00				prepared surface mixing	by miv in	actor n	nounted	grader a	rrangem	ent on			
Complete as per Technical Specification Clause 401. 0 0 0.00 0.00 0.00 0.00 Total:- 0.00 Cum 2977.54 0.00 RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 0 0 0.00 - 0.00 Total:- 0.00 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00				and compacting with smo	oth whee	piace	method v	vith rota	vator at	t OMC,			
11 RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 12 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00				Complete as nor Tochnica	Caratta	rolle	r to achie	ve the d	lesired d	lensity,			
11 RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 12 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00				complete as per rechilica	Specificat	ion Cla							
Total:- 0.00 Cum 2977.54 0.00 RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 0 0 0.00 - 0.00 0 0 0.00 - 0.00 Total:- 0.00 Mtr. 4452.39 0.00 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00					0	0					i .		
RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 0 0 0.00 - 0.00 Total:- 0.00 Mtr. 4452.39 0.00 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00					U	U	0.00						
rirst class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 0 0 0.00 - 0.00 Total: 0.00 Mtr. 4452.39 0.00 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00	11		I	RCC Pipe NP3 as per de	sign in Si	ngle F	Row (100	nom D	lia)	-	Cum	2977.54	0.00
with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 0 0 0.00 - 0.00 Total:- 0.00 Mtr. 4452.39 0.00 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00			f	irst class hedding of gran	ular mate	ent co	ncrete pi	pe NP3 1	for culve	erts on			
1106. 0 0 0.00 - 0.00 Total: 0.00 Mtr. 4452.39 0.00 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00				with coment moster 1.3	ular mater	rai in s	ingle row	/ includir	ng fixing	collar			
12 RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00			v h	vitti tement mortar 1:2	but exclu	uding	excavatio	on, prote	ection v	vorks,			
RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.			1	106.	nasonry wo	orks in	head wa	lls and pa	arapets	Clause			
RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.					0	0	0.00	-	•.	0.00			
RCC Pipe NP3 as per design in Single Row (600mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00	-				0	0	0.00	-	- į				
Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 - 20.00	12							To	otal:-	-	Mtr.	4452.39	0.00
with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.	12		P	roviding and laying reinfo	orced ceme	ent cor	ncrete pir	e NP3 fe	or culve	rts on			0.00
with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 20.00			TI	rst class bedding of granu	ılar materi	ial in s	ingle row	includin	g fixing	collar			
backfilling, concrete and masonry works in head walls and parapets Clause 1106. 2 4 2.50 20.00			W	ith cement mortar 1:2	but exclu	ding 6	excavatio	n, prote	ction w	orks.			
2 4 2.50 20.00		î	b	ackfilling, concrete and m	asonry wo	rks in	head wall	ls and pa	rapets (lause			
					2	4	2.50	9000		20.00		8	
Total:- 20.00 Mtr. 1752.33 35047.00							2.30	T-					

	DB MOR No. Ref.N	Description	No.	No.	Length (M)	Width (M)	Height	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
13		RCC Pipe NP3 as per	design in S	Single	e Row (3	00mm	Dia.)			()	(,
		Providing and laying re	einforced cer	ment	concrete	pipe NF	3 for cu				
		first class bedding of g									
		with cement mortar 1:2 but excluding excavation, protection works,									
		backfilling, concrete ar 1106.	nd masonry v	works	in head	walls and	d parape	ts Clause			
			0	0	0.00			0.00)		
			0	0	0.00	_		0.00	17.9		
							Total:-	0.00	Mtr.	1752.33	0.0
.4	5.7.5										
		Supply of new bag an									
		sand (volume of filled b	pag 1.2 cft ar	nd we	ight 50kg	g), stichii	ng on tw	o line by			
		approved nylon thread	with stichi	ng m	achine &	genera	tor, stac	king the			
		bags and placing in Nyl	on crate of s	ize (1	m x 1m x	1m) wit	h a lead	of 150m		Ä	
		including supply of ny									
		portion within a lead		II con	nplete as	per ap	proved	design,			
		specification and direct	ion of E/I.								
			0	0	1-1		-	0.00			
		-	0	0	-		-	0.00	+		
5	5.7.53	Providing and filling	empty cen	nent l	bags			0.00	No.	1249.46	0.0
		The state of the s									
		Supply of new bag with labour for filling new EC bag with local sand									
		(volume of filled bag 1.2 cft and weight 50kg), stiching on two line by approved nylon thread with stiching machine & generator, stacking the									
		bags and placing with a									
		all complete as per app									
			1 - 1-						,		
		LHS LHS	1	1	10.50	0.80	1.00	8.40	4		
		RHS	1	1	11.70	0.80	1.00	9.36	-		
		RHS	1	1	30.00	0.80	0.80	19.20 19.20	1		
		RHS	1	1	20.00	0.80	0.80	19.20	1		
	-		1	1	14.50	0.80	1.00	11.60			
			1	1	5.00	0.80	0.80	3.20			
				-	3.00	0.00	Total:-	83.76	Cum		
					@ 0.034	Cum ea		2464		38.03	93706.00
										TOTAL	1024747.00
.auan											
	AGE FEE 1 al sand	0% FOR ROYALTY MA	TERIAL		25.19	1.20		20.22	C	141.05	4200.00
	K BAT					4	= .	30.23		141.85	4288.00
	N DAT				380.21	1.20	= .	456.25		1,050.00	479065.00
GSB	LEAVES				0.00	1.28	=		Cum	285.35	0.00
LOCA	L SAND				83.76	1.20	=	100.51		141.85	14258.00
	1							AL MATE			497611.00
					. 0		SEIG	NORAGE	FEE	10%	49761.00

R.W.D Dighalbank

R.W.D Dighalbank

R)WD Kishangani (2) 2