

# 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 CHAUSA UDAKISHANGANJ

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM KHOPARIYA TOLA LAUALAGAN TO BABA BISHURAWAT ASTHAN

Actual Length of Road	=	0.880 Km
Flood affected Length of Road	=	0.045 Km
TOTAL COST OF PAVEMENT	Rs	6,24,997.67
TOTAL PROJECT COST	Rs	6,24,997.67

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

# अधीक्षण अभियंता का कार्यालय, ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा। पत्रांक प्रश्चिन् ठ

प्रेषक.

ई0 खलीकुज्जमा, अधीक्षण अभियंता.

सेवा में,

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

मधेपुरा, दिनांक 20/04/2023

विषय:

ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदािकशुनगंज 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, **उदािकशुनगंज** का पत्रांक **722** अनु0, दिनांक **12.04.2022** 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, उदािकशुनगंज 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।

611	असिपम विपरणा गिन	19(1 6 1		
क्र0	प्रखंड	योजना का नाम	क्षतिग्रस्त भाग की लम्बाई (KM)	तकनीकी स्वीकृति की राशि (Lakh)
1.	Alamnagar	L025-T-05 SONAMUKHI to MURAUT (VR12)	0.050	20.23962
2.	Alamnagar	L034-T-05 CHUBATUA GANGAPUR TO HARJORAGHT (VR20)	0.097	28.17067
3.	Alamnagar	L035-T-05 BHARSO TOLA TO KACHAHARI TOLA (VR21)	0.210	17.67956
4.	Alamnagar	Construction of road from Alamnagar SonaMukhi kakpsila with five years maintainance with 2 no. H.L bridge.	0.300	34.63060
5.	Alamnagar	Construction of road from Alamnagar fullaut road with five year maintenance with 2 nos. of H.L bridges.	0.072	6.02269
6.	Bihariganj	S01school Ke Nikat Se to Vairaw Patti	0.087	7.01604

P.T.O.

क्र0	प्रखंड	योजना का नाम	क्षतिग्रस्त भाग की लम्बाई (KM)	तकनीकी स्वीकृति की राशि (Lakh)
7.	Chausa	Construction of road from Dhaneshpur to morsanda with five years maintenance.	0.082	5.27416
8.	Chausa	Adhik Mandal Parbatta Bsabitti Ke Nikat To Sripurbasa PCC via Parbatta	0.146	5.74302
9.	Chausa	Khoparia Tola Lowalagan To baba bishuraut Sthan	0.045	6.24997
10.	Chausa	L036-T01 TO SHABA TOLA (VR11)	0.733	20.33275
11.	Gwalpara	Resna PMGSY Path To Kamalpur	0.136	7.15886
12.	Gwalpara	Baliya Basa REO Road To Amauja	0.060	11.57017
13.	Gwalpara	L036-Gwalpara to biswari (VR7)	0.181	9.01073
14.	Chausa	Construction of H.L Bridge Over Bariyari Dhar Sapni Fulaut Pandahi Path.	0.075	7.41311
15.	Puraini	Durga PMGSY Path Paina via Durgapur Goth Chhoti Badhona	0.142	20.25279
16.	Puraini	Kherho paschim Tola PMGSY Path To Dhaneshpur Via Goth Kherho	0.020	2.94972
17.	Udakishanganj	Construction of road from Kishanganj to Biriranpal with five years maintenance	0.110	8.49447
18.	Udakishanganj	L044-T04NH106UDA TO TINTANGA (VR31)	0.024	5.66868
19.	Udakishanganj	NH106 hareli to ramesh yadav ke ghar hotehu wevidyanand jha ke ghar ke aage Rampur khorha PWD road tak	0.099	5.06052
20.	Udakishanganj	Laxmipur - Majaura	0.483	11.09571

अनु0:-प्राक्कलन एक-एक प्रति में।

विश्वासभाजन,

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

# SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPRORY RESTORATION

OF ROAD FROM KHOPARIYA TOLA LAUALAGAN TO

NAME OF ROAD :-BABA BISHURAWAT ASTHAN

> DIVISION: **UDAKISHANGANJ**

BLOCK: CHAUSA

Actual Length of Road :- 0.880 Km

Flood Affected Length of Road :- 0.045 Km

Sr.	Description	Amount (In Rs.)
No.		
1	Total Cost of Restoration=	5,47,851.23
2	Add:-Labour Cess @1% amt. =	5,478.51
3	Add:GST@12% on amt. =	65,742.15
4	Add:S.F.@ 10% on Material (Brick Bats) =	5,925.78
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	6,24,997.67

**Junior Engineer** RWD (W) Division, Udakishanganj

Assistant Engineer

RWD (W) Division, Udakishanganj RWD (W) Division, Udakishanganj

प्रांक कि अ प कि विविद्य किर्ति। 23 - 201 | 2019-4849

Technically sanctioned too DS 6,24997.00
(Ds Six lack twenty tour thousand nine hundred ninety seven) only.

20/04/102L

Estimating Officer
Rural Work Department
Work Circle, Madhepura

11 /20/04/22

Superintending Engineer

Firal Works Department

Circle, Madhepura

# प्रतिवेदन

पथ का नाम :- रनीपहिंचां होता लीसालगान से व्यावा विश्रास्त्र स्पान

प्रखंड :- न्दीशा

जिला :- मधेपुरा

पथ की कुल लंबाई :- 0.880 कि भी

कनीय अभियंता, ग्रामीण कार्य विभाग, सहायक अभियंता, ग्रामीण कार्य विभाग, कार्य अवर प्रमंडल,

कार्यपालक अभियंता ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदाकिशुनगंज।

## Inspection Report for Flood Damage work

Date:-

ER. RAM RATAN RAM LEE RWD WORKS DZV UDAKISHUNGANJ). 1 Name of PIUS:-

2 Name of Block:-CHAUSA.

KHOPARIYA TULA LAUALAMAN TO BABA BISHURAWAT 3 Name of Road :-

ASTHA-M.

#### A. For Road

1 Damage Location/Chainage :-In Between 0.800km to 880km.

2 Damage Length:-

0.045 KM.

3 Nature of damage:-

Flank, shoulter.

4 Details of Restoration Works:-

i Material being used in Restortion works:- Bamboo, Go bags.

ii Equipments/Tools being used in Restoration works:

iii Procedure taken up in Restoration works:-

iv Restored Length:-

0.045Km.

#### 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/Took being used in Restoration works :-

iii Procedure taken up in Restoration works:-

iv Restored Length:-

Signature

(Name of inspector)

# **Schedule of Quantity**

NAME OF ROAD :- FROM KHOPARIYA TOLA LAUALAGAN TO BABA BISHURAWAT BLOCK :- ASTHAN

CHAUSA

S.No	SOR NO	DESRIPTION	QTY	UNIT	RATE	AMOUNT
	2011	OF ITEMS			ļ	
1	12.3	Sand Filling in Foundation Trenches as per Drawing & Technical Specification.	0.00	Cum	582.71	0.00
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.	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	1088.25	m	45.86	49912.50
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	230.00	m	5.31	1220.60
6		Supply of Bamboo at site.	220.00	nos.	188.39	41444.97
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	12287.00	nos.	37.05	455273.16
8	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	3128.33	0.00
9		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.	547851.23

32/11/21

22/11/2011 AE

EE

			Deta	ils of N	leasure	ement			
		गर्य का ब्यौरा			संख्या		Measure	ment	
		atail of Wor	kl		No.	लम्बाई in m.	चौड़ाई In m.	In m.	मात्र Quar
		DET	AILED FO	STIMAE F	OD TEM	PROPVI	DESTOR	ATIONO	F ROAD
NAME OF R	OAD :-			ARIYA TO					
					AS	THAN			
Item No. 1	Sand Fillin	ig in ditch 8	breach po	ortion of road	as per Dra	wing & Tee	chnical Spe	cification.	T
					<b>Y</b>				0.000
-					1	0	otal (in Cur	1.25	0.000
	Laying Brid	ck Bat					otal (III otal	.,	
CH:-in					1	0	0.00	2.00	0.000
						0			0.000
Item No. 3	Labour for	cutting 62m	nm to 75 m	m dia bambo	no niles to s	izo and ma	Total (i	n Cum)	0.000
	driving etc.	complete j	ob as pers	pecification	and direction	on of E/I	iking snoes	anu	
				2	3	30		3.25	585.000
				2		10		3.05	183.000
				1	3	15 5		3.25 1.85	292.500 27.750
		For	Bamboo p	oilling 1.25m		-	Total (in m)		1088.250
Item No. 4	Labour for	fitting and f	ixing Split	bamboo wov	en chachar	i in position	with 20 sw	nGI	
	complete in	mm to 100 i	mm long na	ails alternative	vely includin	g cost of G	.l. wire or na	ails	
	Too in picto je			Ch km					0.00
		01.	2011 2111,	CII KIII	0	30.5	2.1	-	0.00
	For Cha	chary 01 n	o. Bamboo	=1.413 sqm		0	2		0.00
Item No. 5				ım dia bamb			otal (in sqm		0.00
		m long nail	s or 38 swg	G.I. wire inc					
					2	20			100.00
				2		30 10			120.00
					2 2	10 15			40.00 60.00
				2	2 2	10 15 5	Total (in m)		40.00 60.00 10.00
tem No. 6	Supply of F	Samboo at	site	2 2 2	2 2	10 15 5	otal (in m)		40.00 60.00
Item No. 6	Supply of E	Bamboo at s	site.	2 2 2	2 2	10 15 5	Total (in m)		40.00 60.00 10.00
item No. 6	Supply of E	Bamboo at :	site.	2 2 2	2 2	10 15 5		)	40.00 60.00 10.00 230.00 1318.25 219.71
item No. 6				2 2 2 1	2 2 2	10 15 5 1 1	otal (in m) otal (in nos.		40.00 60.00 10.00 230.00
Item No. 6	Labour fillir	na empty ce	ement bags	2 2 2 1	2 2 2	10 15 5 7 7 7 10	otal (in m) otal (in nos.		40.00 60.00 10.00 230.00 1318.25 219.71
	Labour fillir	ng empty ce upply of sut	ement bags	2 2 2 1	2 2 2 sand, stitchi	10 15 5 7 7 7 10	Total (in m) otal (in nos.  s and placin ed desing,	lg	40.00 60.00 10.00 230.00 1318.25 219.71 220.00
	Labour fillir	ng empty ce upply of sut	ement bags	2 2 2 1	2 2 2 sand, stitch	10 15 5 7 To	otal (in m) otal (in nos. s and placined desing, 2.25	2.00	40.00 60.00 10.00 230.00 1318.25 219.71 220.00
	Labour fillir	ng empty ce upply of sut	ement bags	2 2 2 1	2 2 2 sand, stitch	10 15 5 7 To	otal (in m) otal (in nos. s and placined desing, 2.25 1.50	2.00	40.00 60.00 10.00 230.00 1318.25 219.71 220.00
	Labour fillir	ng empty ce upply of sut	ement bags	2 2 2 1	2 2 2 sand, stitch	10 15 5 7 To	otal (in m) otal (in nos. s and placined desing, 2.25	2.00	40.00 60.00 10.00 230.00 1318.25 219.71 220.00
	Labour fillir	ng empty ce upply of sut	ement bags	2 2 2 1	sand, stitch	10 15 5 7 7 7 7 7 10 10 15 5	rotal (in m) ptal (in nos. s and placined desing, 2.25 1.50 1.75 2.00	2.00 1.80 1.50	40.00 60.00 10.00 230.00 1318.25 219.71 220.00 270.00 54.00 78.75 15.00
	Labour fillir	ng empty ce upply of sut	ement bags	2 2 2 1	sand, stitch	10 15 5 7 To	rotal (in m) ptal (in nos. s and placined desing, 2.25 1.50 1.75 2.00	2.00 1.80 1.50	40.00 60.00 10.00 230.00 1318.25 219.71 220.00 54.00 78.75 15.00
	Labour fillir	ng empty ce upply of sul in and direc	ement bags	2 2 2 1	sand, stitch	10 15 5 Total (in	rotal (in m)  otal (in nos.  s and placing ed desing,  2.25  1.50  1.75  2.00  n Cum)	2.00 1.80 1.50	40.00 60.00 10.00 230.00 1318.25 219.71 220.00 270.00 54.00 78.75 15.00
Item No. 7	Labour fillir including si specificatio	ng empty or upply of sul on and direct 0.034m	ement bags li and EC t stion of E/I  B=1 nos.	e by providing	sand, stitch omplete as 2 2 2 1	10 15 5 Total (in the data of the late) Total (in the late)	rotal (in m)  ptal (in nos.)  s and placin ed desing,  2.25  1.50  1.75  2.00  n Cum)	2.00 1.80 1.50	40.00 60.00 10.00 230.00 1318.25 219.71 220.00 54.00 78.75 15.00 417.75 12286.76
Item No. 7	Labour fillir including si specificatio	0.034m	ement bags li and EC to stion of E/I  3=1 nos. ar sub-base ar sub-base ar sub-base ar sub-base ar sub-base	2 2 2 1 1 s with loocal pag etc. all company etc.	sand, stitch omplete as  2 2 1 ig well grade ted grader a hod with rote	10 15 5 Total (in the day of the bag per approved to t	ton	2.00 1.80 1.50	40.00 60.00 10.00 230.00 1318.25 219.71 220.00 54.00 78.75 15.00 417.75 12286.76
	Labour fillir including si specificatio  Constructor spreading i prepared si compacting	ong empty coupply of submand direction and direction of granular uniform laurface, mixing with smooth	ement bags li and EC t stion of E/I  B=1 nos.  ar sub-base ayers with t ng by mix i th wheel r	e by providir ractor mount in place metholler to achie	sand, stitch omplete as 2 2 1 1 and well grader a hod with rotate we the des	10 15 5 Total (in the day of the bag per approved to t	ton  otal (in m)  otal (in nos.)  s and placin ed desing,  2.25  1.50  1.75  2.00  n Cum)  t on  MC, and	2.00 1.80 1.50 1.50	40.00 60.00 10.00 230.00 1318.25 219.71 220.00 270.00 54.00 78.75 15.00 417.75 12286.76 12287.00
Item No. 7	Labour fillir including si specificatio  Constructor spreading i prepared si compacting	ong empty coupply of submand direction and direction of granular uniform laurface, mixing with smooth	ement bags li and EC t stion of E/I  B=1 nos.  ar sub-base ayers with t ng by mix i th wheel r	2 2 2 1 1 s with loocal pag etc. all company etc.	sand, stitch omplete as 2 2 1 1 and well grader a hod with rotate we the des	10 15 5 Total (in the day of the bag per approved to t	rotal (in m)  ptal (in nos.)  s and placin ed desing,  2.25  1.50  1.75  2.00  1 Cum)  t on MC, and y,	2.00 1.80 1.50 1.50	40.00 60.00 10.00 230.00 1318.25 219.71 220.00 54.00 78.75 15.00 417.75 12286.76 12287.00
Item No. 7	Labour fillir including si specification specification spreading i prepared si compacting complete a	0.034min or granular uniform la urface, mixin with smooths per Techi	ement bags if and EC to stion of E/I  ar sub-base ar sub-base ayers with to ing by mix in the wheel in inical Specifical	e by providir ractor mount foller to achie	sand, stitch omplete as 2 2 2 1 1 ig well grade ted grader a hod with rote eve the des se 401.	10 15 5 Total (in Total (i	rotal (in m) ptal (in nos.) s and placin ed desing, 2.25 1.50 1.75 2.00 n Cum) t on pMC, and y, 1 Tot	2.00 1.80 1.50 1.50	40.00 60.00 10.00 230.00 1318.25 219.71 220.00 270.00 54.00 78.75 15.00 417.75 12286.76 12287.00
Item No. 7	Labour fillir including si specification specification spreading is prepared si compacting complete a spreading a spreading sp	0,034m:  0,034m:  on of granul of uniform laurface, mixi g with smoots per Techn	ement bags if and EC to stion of E/I  ar sub-base ar sub-base ayers with to ing by mix in the wheel in inical Specifical	e by providir ractor mount in place metholler to achie	sand, stitch omplete as 2 2 2 1 1 ig well grade ted grader a hod with rote eve the des se 401.	10 15 5 Total (in Total (i	rotal (in m) ptal (in nos.) s and placin ed desing, 2.25 1.50 1.75 2.00 n Cum) t on pMC, and y, 1 Tot	2.00 1.80 1.50 1.50	40.00 60.00 10.00 230.00 1318.25 219.71 220.00 54.00 78.75 15.00 417.75 12286.76 12287.00
Item No. 7	Labour fillir including si specification specification spreading i prepared si compacting complete a	0,034m:  0,034m:  on of granul of uniform laurface, mixi g with smoots per Techn	ement bags if and EC to stion of E/I  ar sub-base ar sub-base ayers with to ing by mix in the wheel in inical Specifical	e by providir ractor mount foller to achie	sand, stitch omplete as 2 2 2 1 1 ag well grader a ted grader a ted grader a ted with rota eve the des se 401. 0	10 15 5 Total (in Total (i	ton ordal (in m) ordal (in nos.) s and placing desing, 2.25 1.50 1.75 2.00 or Cum) ton order design in S	2.00 1.80 1.50 1.50	40.00 60.00 10.00 230.00 1318.25 219.71 220.00 54.00 78.75 15.00 417.75 12286.76 12287.00

Links

22/11/2001

and Shirt

### Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM KHOPARIYA TOLA

NAME OF ROAD :- LAUALAGAN TO BABA BISHURAWAT ASTHAN

BLOCK :- CHAUSA

No	SOR NO	OF ITEMS DESRIPTION	QTY	UNIT	RATE	AMOUN
1/1	12.3	Sand Filling in Foundation Trenches as per Drawing & Technical Specification.				
		Sand	0.00	Cum	141.85	0.00
2/2	A/R	Providing & laying Brick Bat	1			
		Providing and laying of Brick bat obtained from				
		chimney with machenical means with all spreading	1	1		2
		grading to required slope and compacted at OMC to	ł	1		"
		acheive required density with all complete as per the				-
		direction of engineer in charge.			5	÷ 1
		Brick Bats	0.00	Cum	1032.00	0.00
		Labour filling empty cement bags with loocal sand,				
3/7	5.7.40.1	Istitching the bags and placing including supply of suffi				
		and EC bag etc. all complete as per approved desing, specification and direction of E/I			1	
		Sand				
		Labour for filling empty cement bags with loocal sand,	417.75	Cum	141.85	59257.84
		stitching the bags and placing in Nylon crate of size (1 m				
4/9	5.7.40.2	x 1 m x 1 m) with lead of 150 M including supply of sutli		1		
		etc. at site in dry portion all complete as per approved			ı	
		design, specification and direction of E/I				1
		Sand	0.00	Cum	141.85	0.00
		Construction of granular sub-base by providing well			1	
		graded material, spreading in uniform layers with tractor				
5/10	401	mounted grader arrangement on prepared surface,		1	- 1	
3/10	401	mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the		1	1	
		desired density, complete as per Technical Specification			I	
		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
				Cum		475.51
		Rate psr Cum = (a)/300	0.00	Cum	475.51	0.00
		COD Co. I				0.00
		GSB Gr-I			TOTAL	59257.84
		Seigniorage Fees @10% of Basic Amount			Say	5925.78

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51	خوسينين		11.00	Analysis of Rate	T	T	Rate(Rs.)	Amount
10	SOR No.			Description	Unit	Qty	Rate(Ka.)	7
Va.				Carriage of materials (By Tractor)				
1	1.4	Cost of Ha	ulage excluding Load	diriage of materials (by 222002)				
-	RCD	Haulage of	materials by Tractor	excluding cost of loading, unloading and stacking.				
		Unit = t.km	1				L	Ļ
		Taking out	put 3.60 Torme load	and lead 10 km = 36.0 t.km			T	
-		Case-11.50	rfaced Road load: 15 km per hou			+	-	
コ		Speed whi	e returning empty: 25	5 km may hone	-	-		
$\exists$		4)	Machinery					
-			Tractor 3.6 t capaci	ty		0.447	591.40	34
			Time taken for emp	Ards haulage with load	hour	0.667	591.40	23
-				Total				63
-			-	Add OH@12%				70
コ	1		R	late per Ton.km	+		-	1
1		Case-II: U	nsurfaced Gravel Ro	ad	-	_		
+		Speed with	load: 12 km/hour					
+		(a)	empty return trip: 20	km/hour		-		
			Tractor 3.6 t capaci	ity		-	-	
			Time taken for onw	vards haulage with load	hour	0.833	591.40	492
$\ddagger$			Time taken for emp	pty return trip	hour	0.500	591.40	295 788
				Total Add OH@12%		-		94
				71dd C118127		-		882
-		1(2		Rate per Ton.km				24
İ		(c)		Case-III: Katcha Track and Track in River Bed / Nallah Bed and Choe Bed				
-			Speed with load : 1			-		
			The second secon	ng empty: 15 km / hour	<del> </del>			
士			(a) Machinery					
-			Tipper 10 tonnes of		hour	1.000	591.40 591.40	591. 394.
-			Time taken for em	Total	nour	0.607	391.40	985.
_				Add OH@12%				118.
				Cost for 36.0 t.km =a+b		$\vdash$		1,104.
-				Rate per Ton.km	-	-		30.1
•		1		1	1 1			
_		Labour for	r laving Brick bats/	dry graded jhama khoa or stone filter under Brick Pi	tching or	Boulder 1	oitching in sle	ope or apro
2	6.6.1.	Labour for	r laying Brick bats/ light ramming etc. al	dry graded jhama khoa or stone filter under Brick Pi Il complete job as per approved design, specification a	tching or l nd direction	Boulder pon of E/I	pitching in slo	ope or apro
2	6.6.1. WRD	including . Unit = Per	light ramming etc. al Cum	dry graded jhama khoa or stone filter under Brick Pi Il complete job as per approved design, specification a	tching or l	Boulder pon of E/I	pitching in slo	ope or apro
2		including . Unit = Per	light ramming etc. al Cum put= 2.832 Cum	ll complete job as per approved design, specification a	tching or l	Boulder pon of E/I		
2		including . Unit = Per	Cum  Put= 2.832 Cum  a)  L	ll complete job as per approved design, specification a abour Mazdoor (Urskilled)	tching or indidirection	Boulder pon of E/I	pitching in sla	861.0
2		including . Unit = Per	Cum	al complete job as per approved design, specification a abour Mazdoor (Unskilled) Overheads © 12% on (a)	nd direction	on of E/I		861.0 103.
2		including . Unit = Per	light ramming etc. al   Cum	al complete job as per approved design, specification a abour Mazdoor (Unskilled) Overheads © 12% on (a)	nd direction	on of E/I		861.0 103. 964.
2		including Unit = Per Taking out	Iight ramming etc. al   Cum	al complete job as per approved design, specification a abour Mazdoor (Unskilled) Overheads © 12% on (a)	Nos	3.00	287.00	861.0 103. 964. 340.
	WRD	including Unit = Per Taking out	Iight ramming etc. al   Cum	al complete job as per approved design, specification a abour Mazdoor (Unskilled) Overheads © 12% on (a)	Nos	3.00	287.00	861.0 103. 964.
	WRD	including Unit = Per Taking out Loading ar	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum d Unloading of Stor	al complete job as per approved design, specification a abour Mazdoor (Unskilled) Overheads © 12% on (a)	Nos	3.00	287.00	861.0 103. 964
3	WRD	including. Unit = Per Taking out  Loading ar	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum ad Unloading of Stor	al complete job as per approved design, specification a abour Mazdoor (Unskilled) Overheads © 12% on (a)	Nos	3.00	287.00	861.0 103. 964
	WRD	including. Unit = Per Taking out  Loading ar Unit = Per Taking out	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum ad Unloading of Stor Cum put= 2.25 Cum	abour Mazdoor (Unskilled) Overheads @ 12% on (a)  ne Boulder, Stone aggregate ,Sand, Kankar,Moorum ,	Nos	3.00	287.00	861.0 103. 964.
	WRD	including. Unit = Per Taking out  Loading ar	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum ad Unloading of Stor Cum put= 2.25 Cum	abour Mazdoor (Unskilled) Overheads @ 12% on (a)  ne Boulder, Stone aggregate ,Sand, Kankar,Moorum ,	Nos Brick Bats	3.00	287.00	861.0 103. 964.
	WRD	including Unit = Per Taking out  Loading ar Unit = Per Taking out	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum ad Unloading of Stor Cum put= 2.25 Cum lied for Fusitioning of tippes Loading by front end	abour Mazdoor (Unskilled) Overheads @ 12% on (a)  The Boulder, Stone aggregate, Sand, Kankar, Moorum, in at unuskiling point  Alloader 1 cum bucket capacity @ 25 cum per hour	Nos Brick Bats	3.00 and Sance	287.00	861.0 103. 964.
	WRD	including. Unit = Per Taking out  Loading ar Unit = Per Taking out Time regul ii)	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum ad Unloading of Stor Cum put= 2.25 Cum lied for Fusitioning of tippes Loading by front end	abour Mazdoor (Unskilled) Overheads @ 12% on (a)  The Boulder, Stone aggregate, Sand, Kankar, Moorum, in at unuskiling point  Alloader 1 cum bucket capacity @ 25 cum per hour	Nos Brick Bats	3.00	287.00	861.0 103. 964
	WRD	including. Unit = Per Taking out  Loading ar Unit = Per Taking out Time regul	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum ad Unloading of Stor Cum put= 2.25 Cum ired for Fustioning of tipped Loading by front enc	abour Mazdoor (Urskilled) Overheads @ 12% on (a)  The Boulder, Stone aggregate, Sand, Kankar, Moorum, And Stone aggregate, Sand, Kankar, Moorum, And Stone aggregate, Sand, Kankar, Moorum, Market Capacity & 25 cum per hour sing, dumping and turning for return	Nos Brick Bats	3.00 and Sance	287.00	861.0 103. 964.
	WRD	including.  Unit = Per Taking out  Loading ar  Unit = Per Taking out Time requires ii)	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum ad Unloading of Stor Cum put= 2.25 Cum ired for Fustioning of tipped Loading by front enc	abour Mazdoor (Urskilled) Overheads @ 12% on (a)  The Boulder, Stone aggregate, Sand, Kankar, Moorum, And Stone aggregate, Sand, Kankar, Moorum, And Stone aggregate, Sand, Kankar, Moorum, Market Capacity & 25 cum per hour sing, dumping and turning for return	Nos Brick Bats day	3.00 and Sand T Min SMin OMin	287.00	861.0 103. 964.
	WRD	including.  Unit = Per Taking out  Loading ar  Unit = Per Taking out Time requi ii)  iii)	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum d Unloading of Stor Cum put= 2.25 Cum Ired for Fusitioning of tippis Loading by front enc Maneuvering rever	abour Mazdoor (Urskilled) Overheads © 12% on (a)  The Boulder, Stone aggregate, Sand, Kankar, Moorum, in at unleading point  Alloader 1 cum bucket capacity @ 25 cum per hour sing, dumping and turning for return sing, dumping and turning for return sing, dumping and turning for return	Nos  Brick Bats  day  hour	3.00 and Sand I Min SMin OMin OMin	287.00	861.0 103.9 964.340.
	WRD	including.  Unit = Per Taking out  Loading ar  Unit = Per Taking out Time requires ii)	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum d Unloading of Stor Cum put= 2.25 Cum Ired for Fusitioning of tripping Loading by front enc Maneuvering revert Waiting time, unfore	abour Mazdoor (Urskilled) Overheads © 12% on (a)  The Boulder, Stone aggregate, Sand, Kankar, Moorum, in at unleading point Alloader 1 cum bucket capacity @ 25 cum per hour sing, dumping and turning for return  seen contingencies etc	Nos  Brick Bats  day  hour	3.00 and Sand i Min SMin OMin	287.00	861.0 103.964 340.
	WRD	including.  Unit = Per Taking out  Loading ar  Unit = Per Taking out Time requi ii)  iii)	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum d Unloading of Stor Cum put= 2.25 Cum Ired for Fusitioning of tripping Loading by front enc Maneuvering revert Waiting time, unfore	abour Mazdoor (Urskilled) Overheads © 12% on (a)  The Boulder, Stone aggregate, Sand, Kankar, Moorum, in at unleading point Alloader 1 cum bucket capacity @ 25 cum per hour sing, dumping and turning for return  seen contingencies etc	Nos  Brick Bats  day  hour	3.00 and Sand I Mia 5Min OMin OMin 6Min 0.03	287.00   etc.	861.0 103. 964. 340.
	WRD	including.  Unit = Per Taking out  Loading ar  Unit = Per Taking out Time requi ii)  iii)	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum ad Unloading of Stor Cum put= 2.25 Cum Loading by front enc Maneuvering, revers Waiting time, unfore a) L M	abour Mazdoor (Urskilled) Derheads @ 12% on (a)  The Boulder, Stone aggregate ,Sand, Kankar,Moorum ,  The at uninsaling point  It loader 1 cum bucket capacity @ 25 cum per hour  Ising, dumping and turning for return  The seen contingencies etc  Abour  Material Actions of the series	Nos  Brick Bats  day  hour	3.00 and Sand I Min OMin OMin OMin OMin	287.00	9.1 206.6 59.1
	WRD	including.  Unit = Per Taking out  Loading ar  Unit = Per Taking out Time requi ii)  iii)	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum ad Unloading of Stor Cum put= 2.25 Cum Loading by front enc Maneuvering, revers Waiting time, unfore a) L M	abour Mazdoor (Urskilled) Derheads @ 12% on (a)  The Boulder, Stone aggregate ,Sand, Kankar,Moorum ,  The at uninsaling point  It loader 1 cum bucket capacity @ 25 cum per hour  Ising, dumping and turning for return  The seen contingencies etc  Abour  Material Actions of the series	Nos Nos Adiy day hour day day	3.00 and Sand I Mia 5Min OMin OMin 6Min 0.03	287.00   etc.	9.1 206.6 59.1
	WRD	including.  Unit = Per Taking out  Loading ar  Unit = Per Taking out Time requi ii)  iii)	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum ad Unloading of Stor Cum put= 2.25 Cum Ired for Fusitioning of hippiss Loading by front enc Waiting time, unfore a) L b) M	abour Mazdoor (Urskilled) Overheads @ 12% on (a) The Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and Stone aggregate, Sand,	Nos  Brick Bats  day  day  hour  Hour	3.00 3.00 I Min OMin OMin OMin O.03 0.72	287.00 letr. 305.00 287.00	9.3 206.6 59.1 116.4
	WRD	including.  Unit = Per Taking out  Loading ar  Unit = Per Taking out Time requi ii)  iii)	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum ad Unloading of Stor Cum put= 2.25 Cum Ired for Fusitioning of hippiss Loading by front enc Waiting time, unfore a) L b) M	abour Mazdoor (Urskilled) Derheads @ 12% on (a)  The Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder	Nos  Brick Bats  day  day  hour  Hour	3.00 3.00 I Min OMin OMin OMin O.03 0.72	287.00 letr. 305.00 287.00	9.1 206.6 391.3 46.9
	WRD	including.  Unit = Per Taking out  Loading ar  Unit = Per Taking out Time requi ii)  iii)	light ramming etc. al Cum put= 2.832 Cum a) L b) C Rate for 2.832 Cum Rate Per Cum ad Unloading of Stor Cum put= 2.25 Cum Ired for Fusitioning of hippiss Loading by front enc Waiting time, unfore a) L b) M	abour Mazdoor (Urskilled) Overheads @ 12% on (a) The Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and Stone aggregate, Sand,	Nos  Brick Bats  day  day  hour  Hour	3.00 3.00 I Min OMin OMin OMin O.03 0.72	287.00 letr. 305.00 287.00	9.1 206.6 39.3 9.1 116.4 391.3 46.9
	WRD	including.  Unit = Per Taking out  Loading ar  Unit = Per Taking out Time requi ii)  iii)	light ramming etc. al Cum put= 2.832 Cum  a) L b) C Rate for 2.832 Cum Rate Per Cum ad Unloading of Stor Cum put= 2.25 Cum Ired for Loading by front enc Maneuvering, revert Waiting time, unfore  b) M b) M h h	abour Mazdoor (Urskilled) Derheads @ 12% on (a)  The Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder, Stone aggregate, Sand, Kankar, Moorum, and University of the Boulder	Nos  Brick Bats  day  day  hour  Hour	3.00 3.00 I Min OMin OMin OMin O.03 0.72	287.00 letr. 305.00 287.00	9.3 206.6 59.1 116.4

Vo.	SOR No.	-		<b>—</b>	Description	Uni	t Qt	y Rate(Rs.)	Алюнв
4	9.3	1100	in maine	Inforced Cemer and Laying Rei fixing collar wit alls and parapet	nt Concrete Pipe NP3 as per design in Single Row . nforced cement concrete pipe NP3 for culverts on first class h cement mortar 1:2 but excluding excavation, protection w s .	bedding orks, back	of granu	lar material ir	single rov
					1000 mm dia Hume Pipe				1
-		-		-	Unit=m				<del>                                     </del>
- 1					Taking Output=7.5 m				<del>                                     </del>
-				-	(3 pipes of 2.5 m lengthg each)	1			
7				a	Material		+-		
7				-	Sand at site	cum	0.0	2,950.27	1
				1	Cement at site	ton	0.0	5,716.83	1
1				b	RCC pipe NP3 pipe includsing coller at site	m	7.5	3,481.28	26,1
4					Labour 9			1	
+					Mason (1 class)	day	0.0	-	
+					Mazdoor(Unskilled)	day	0.2		57
+				-	(*************************************	day	2.0	0 287.00	27,09
+				-	Add OH@12%		-	1	3,25
						1	+	+	30,349
T					Cost for 7.50 m =	1			30,349
1					Rate per M=		1		4,046
+			Providing	and laving of		_	1-	<del>                                     </del>	
		_	and compa	cted at OMC to	rick bats obtained from chimney with machnical means wi achieve required density with all completed as per direction	ih all spre on of E/I)	ading gr	adding to requ	ired slope
t				(a)	Taking out put=100 cum		I		
T					Cost of Labour for Pitching and Light Ramming as per				
-		1			WRD SOR 6.6.1 (with OH)	day	1.00	322.27	322.
1				b)	Materials				
1				1	Bricks Bats -Basic Rate Taken From RCD S.O.R. Schedule-	-			
					M:11-5(ii) dt25.02.2021	Cum	1	1032.00	1032.
-					Overheads @12%on (b)				
-					Add:Carriage Charge for Brick bats				123.
+				<u> </u>	Total Cost				444.
					NET TOTAL COST PER CUM				1,922.8
I					SAY Rs				1,922.8
1									1,5 2210
	5.7.7				o 75 mm dia sal bamboo piles to size and making shoes an	d driving	etc.comp	lete job as per	
Ì		s	pecification	n and direction					
					Unit :- Per M				
Ţ	WRD				T. 1.1 Out - 1 20 50 Mbm				
-	WRD			(Aegu	Taking Out put: 30.50 Mtr				
+	WRD			(Assur	ming 20 nos. pile sunk 1.525 mtr deep )				
-	WRD		n I		Taking Out put:- 30.50 Mtr ming 20 nos. pile sunk 1.525 mtr deep ) Total depth sunk 30.50 meter				
	WRD	(4	n)	(Assur Labour	ming 20 nos. pile sunk 1.525 mtr deep ) Total depth sunk 30.50 meter    Carpenter Gr II	Nos	1.00	388.00	388.00
	WRD	(4	n)		ming 20 nos. pile sunk 1.525 mtr deep ) Total depth sunk 30.50 meter	Nos Nos	1.00	388.00 287.00	861.00
	WRD	(4	1)		ming 20 nos. pile sunk 1.525 mtr deep ) Total depth sunk 30.50 meter  Carpenter Gr II  Unskilled mazdoor for pilling				861.00 1,249.00
	WRD	(4	h)		ming 20 nos. pile sunk 1.525 mtr deep ) Total depth sunk 30.50 meter    Carpenter Gr II				861.00 1,249.00 149.88
	WRD	(2	n)		ming 20 nos. pile sunk 1.525 mtr deep ) Total depth sunk 30.50 meter  Carpenter Gr II  Unskilled mazdoor for pilling				861.00 1,249.00 149.88 1,398.88
	WRD	(i	h)		ming 20 nos. pile sunk 1.525 mtr deep ) Total depth sunk 30.50 meter  Carpenter Gr II  Unskilled mazdoor for pilling				861.00 1,249.00 149.83 1,398.83 1,398.88
	WRD			Labour	ming 20 nos. pile sunk 1.525 mtr deep ) Total depth sunk 30.50 meter    Carpenter Gr II     Unskilled mazdoor for pilling     Overheads @ 12%     Rate Per M	Nos	3.00	287.00	861.00 1,249.00 149.80 1,398.80 1,398.80 45.86
	7.8			Labour	ming 20 nos. pile sunk 1.525 mtr deep ) Total depth sunk 30.50 meter  Carpenter Gr II Unskilled mazdoor for pilling  Overheads @ 12%	Nos	3.00	287.00	388.00 861.00 1,249.00 149.88 1,398.88 45.86
		Pı	roviding fit ternatively	Labour ting and fixing including cost	ming 20 nos. pile sunk 1.525 mtr deep ) Total depth sunk 30.50 meter  Carpenter Gr II Unskilled mazdoor for pilling  Overheads @ 12%	Nos	3.00	287.00	861.00 1,249.00 149.80 1,398.80 1,398.80 45.86
		P <sub>1</sub> al	roviding fit ternatively nit :- Per M	Labour  ting and fixing including cost	ming 20 nos. pile sunk 1.525 mtr deep ) Total depth sunk 30.50 meter    Carpenter Gr II     Unskilled mazdoor for pilling     Overheads @ 12%     Rate Per M     split bamboo woven chacharl in position with 20 swg G.l. w	Nos	3.00	287.00	861.00 1,249.00 149.88 1,398.88 45.86
		P <sub>1</sub> al	roviding fit ternatively nit :- Per M	Labour  ting and fixing including cost	ming 20 nos. pile sunk 1.525 mtr deep )  Total depth sunk 30.50 meter  Carpenter Gr II  Unskilled mazdoor for pilling  Overheads @ 12%  Rate Per M  split bamboo woven chachari in position with 20 swg G.l. w of G.l. wire3.15 mm dia or nails complete job as per specific	Nos	3.00 nm to 100 direction	287.00  O mm long nails of E / 1.	861.0( 1,249.0( 149.88 1.398.88 45.86
		P <sub>1</sub> al	roviding fit ternatively nit :- Per M	Labour ting and fixing including cost	Total depth sunk 30.50 meter    Carpenter Gr II	Nos	3.00	287.00	861.00 1,249.00 149.88 1,398.88 45.86
		P <sub>1</sub> al	roviding fit ternatively nit :- Per M	ting and fixing including cost  2 ut: 9.30 Sqm rip of 3.05x3.09 a	Total depth sunk 30.50 meter    Carpenter Gr II	Nos ire or 75 n	3.00	287.00  O mm long nails of E / 1.	861.0( 1,249.0( 149.88 1.398.88 45.86
		P <sub>1</sub> al	roviding fit ternatively nit :- Per M	ting and fixing including cost  2 ut:- 9.30 Sqm rip of 3.05x3.05	Total depth sunk 1.525 mtr deep ) Total depth sunk 30.50 meter    Carpenter Gr II   Unskilled mazdoor for pilling     Overheads @ 12%     Rate Per M     Split bamboo woven chacharl in position with 20 swg G.J. word G.J. wire 3.15 mm dia or nails complete job as per specific     See 9.30 sqm   Material   75 mm to 100mm long nail     Bamboo -75mm dia to 62 mm dia     Carpendo -75mm dia to	Nos ire or 75 n	3.00	287.00  O mm long nails of E / 1.	861.0( 1,249.0( 149.88 1.398.88 45.86
		P <sub>1</sub> al	roviding fit ternatively nit :- Per M	ting and fixing including cost  2 ut: 9.30 Sqm rip of 3.05x3.09 a	Total depth sunk 1.525 mtr deep )  Total depth sunk 30.50 meter  Carpenter Gr II  Unskilled mazdoor for pilling  Overheads @ 12%  Rate Per M  split bamboo woven chacharl in position with 20 swg G.l. w of G.l. wire3.15 mm dia or nails complete job as per specific (S.l. wire3.15 mm to 100mm long nail)  Material  75 mm to 100mm long nail  Bamboo -75mm dia to 62 mm dia  Bamboo @ 75mm = 3050/75 = 40.67	Nos ire or 75 n	3.00	287.00  O mm long nails of E / 1.	861.0( 1,249.0( 149.88 1.398.88 45.86
		P <sub>1</sub> al	roviding fit ternatively nit :- Per M	ting and fixing including cost  2 ut: 9.30 Sqm rip of 3.05x3.09 a	Total depth sunk 1.525 mtr deep ) Total depth sunk 30.50 meter    Carpenter Gr II   Unskilled mazdoor for pilling     Overheads @ 12%     Rate Per M     Split bamboo woven chacharl in position with 20 swg G.J. word G.J. wire 3.15 mm dia or nails complete job as per specific     Septiment of the sun of the sun of G.J. wire 3.15 mm dia or nails complete job as per specific     Septiment of the sun of the s	Nos ire or 75 n	3.00	287.00  O mm long nails of E / 1.	861.0( 1,249.0( 149.88 1.398.88 45.86
		P <sub>1</sub> al	roviding fit ternatively nit :- Per M	ting and fixing including cost  2 ut: 9.30 Sqm rip of 3.05x3.09 a	Total depth sunk 30.50 meter    Carpenter Gr   I	Nos ire or 75 n	3.00	287.00  O mm long nails of E / 1.	861.0( 1,249.0( 149.88 1.398.88 45.86
		P <sub>1</sub> al	roviding fit ternatively nit :- Per M	ting and fixing including cost  2 ut: 9.30 Sqm rip of 3.05x3.09 a	Total depth sunk 30.50 meter    Carpenter Gr   I	Nos ire or 75 n ration and	a.no and to 100 direction	287.00  0 mm long nails of E / 1.	\$61.00 1,249.00 149.88 1,398.88 45.86
		P <sub>1</sub> al	roviding fit ternatively nit :- Per M	ting and fixing including cost  2 ut: 9.30 Sqm rip of 3.05x3.09 a	Total depth sunk 30.50 meter    Carpenter Gr   I	Nos ire or 75 n	3.00	287.00  O mm long nails of E / 1.	861.0( 1,249.0( 149.88 1.398.88 45.86
		P <sub>1</sub> al	roviding fit ternatively nit :- Per M	ting and fixing including cost  2 ut: 9.30 Sqm rip of 3.05x3.09 a	Total depth sunk 1.525 mtr deep ) Total depth sunk 30.50 meter    Carpenter Gr II   Unskilled mazdoor for pilling     Overheads @ 12%     Rate Per M     Split bamboo woven chacharl in position with 20 swg G.J. w     of G.I. wire 3.15 mm dia or nails complete job as per specific     S = 9.30 sqm   Material     75 mm to 100mm long nail     Bamboo = 75mm dia to 62 mm dia     Bamboo @ 75mm = 3050/75 = 40.67     Say=41Nosx3 05=125.05M     Add for Lower Binder of chachari     10x3 .75=30.50M     Runner @ 150mmc/c=7x3.05=21.35M     Total length of Bamboo=176.9/6=30No     Total No of Bamboo=176.9/6=30No	Nos ire or 75 n ation and	a.no and to 100 direction	287.00  0 mm long nails of E / 1.	\$61.00 1,249.00 149.88 1,398.88 45.86
		P <sub>1</sub> al	roviding fit ternatively nit :- Per M	ting and fixing including cost  2 ut: 9.30 Sqm rip of 3.05x3.09 a	Total depth sunk 30.50 meter    Carpenter Gr   I	Nos ire or 75 n ration and	3.00 mm to 100 direction 0.25	287.00  D mm long nells of E / 1.  555.84	861.00 1.249.00 149.88 1.398.88 45.86

Amous	Rate(Rs.)	Qty	Unit	Description		_	+-	No.	No.
				Overheads @ 12% on labour charge (345.00+287.00)			+-	_	
4,9		1	-						
				Rate Per M2					
				split bamboo nwoven chachari in position with 20 swg of G.I. wire3.15 mm dia or palls	fitting and fixin	Labour for			
, nails	100 mm long	5 mm to	.i. wire or 7	split bamboo nwoven chachari in position with 20 swg of G.I. wire3.15 mm dia or nails	ely including cos	complete	1	5.7.8	8
				of G.I. wire3.15 mm dia or nails action and direction of E / I.	Per specifi				
				EVI.	M2	Unit :- Per	+	WRD	
					put:- 9.30 Sqm	/Assumi	+		
				5 = 9.30 sgm)	strip of 3.05x3.0	Trasaming	+		
				Material	(a)				
	69.30	0.250	Kg	G.I. wire3.15 mm dia	(b)				_
	0,200	0.230	- Ng	ranour					
3	345.00	1.00	Nos	Carpenter Gr II			-		
2	287.00	1.00	Nos	Unskilled mazdoor for pilling			-		_
64				Overheads @ 12%			-		
7				12%			-		-
72							-		-
72			1	Rate Per M2	+	+	1		-
7			1		fitting	Labour for			-
			tion of E / I.	3 62mm to 75 mm dia bamboo runners in position at ever .I. wire or nails complete job as per specification and dire	M	Unit :- Per		5.7.9 WRD	
			1		put:- 30.50 Mtr	Taking Out			-
		-+	<del>  </del>	Materials	(a)	+	_		-
27	55.84	0.50	Kg	Cost of 150 mm long nails	(b)	+			1
				Labour	(10)				1
44.	345.00	0.13	Nos	Carpenter Gr II Unskilled mazdoor for pilling		1			1
71.	287.00	0.25	Nos	Oriskined mazdoor for pilling			-		
144.				Overheads @ 12%					
17.									
161.									1
5.3				Rate Per M					4
					L				+
	E/I.	rection of	ation and dir	dia 6 m to 8 m long atcomplete job as per specifi	bamboo 75 mm	Supplying I			)
				Taking Out put:- 115 nos	Τ	+			+
		_		Material	(a)	-			+
			Nos	Supplying bamboo 75 mm dia 6 m to	(8)	+			+
18,710.5	162.70	115		8 m long (Cost of bamboo)					
292.2	162.70	115		Add:Carriage Charge for Bamboo					1
292.2 340.5	162.70	115		8 m long ( Cost of bamboo) Add:Carriage Charge for Bamboo Add Labour for laying Bamboo					- 1
292.2 340.5 19,343.2	162.70	115		Add:Carriage Charge for Bamboo Add Labour for laying Bamboo					+
292.2 340.5 19,343.2 2,321.1	162.70	115		Add:Carriage Charge for Bamboo					#
292.2 340.5 19,343.2 2,321.1 21,664.4	162.70	115		Add:Carriage Charge for Bamboo Add Labour for laying Bamboo					1
292.2 340.5 19,343.2 2,321.1 21,664.4 21,664.4	162.70	115		Add:Carriage Charge for Bamboo Add Labour for laying Bamboo Overheads @ 12%					
292.2 340.5 19,343.2 2,321.1 21,664.4 21,664.4 188.5				Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo					
292.2 340.5 19,343.2 2,321.1 21,664.4 21,664.4 188.3			uding supply	Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo  ent bags with local sand, stiching the bags and placing in	illing empty cen	Labour for f		5.7.40.1	
292.2 340.5 19,343.2 2,321.1 21,664.4 21,664.4 188.3			uding supply	Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo	esign, specificati	approved de			1
292.2 340.5 19,343.2 2,321.1 21,664.4 21,664.4 188.3			uding supply	Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo  ent bags with local sand, stiching the bags and placing in	esign, specificati	approved de		5.7.40.1 VRD	1
292.2 340.5 19,343.2 2,321.1 21,664.4 21,664.4 188.3	etc. all comple	y of sutili e	uding supply	Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo  ent bags with local sand, stiching the bags and placing in ons and direction of E/I	esign, specificati 5 nos out:- 100 nos	approved de			1
18,710.5 292.2 340.5 19,343.2 2,321.1 21,664.4 188.3 ete as per				Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo  ent bags with local sand, stiching the bags and placing in ons and direction of E/I  Supplying of Sand bags that of sand and Empty cement bag)	esign, specificati 5 nos out:- 100 nos	approved de	(a)		1
292.2 340.5 19,343.2 2,321.1 21,664.4 188.3 ete as per	etc. all comple	y of sutili e	Nos	Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo  ent bags with local sand, stiching the bags and placing in ons and direction of E/I  Supplying of Sand bags st of sand and Empty cement bag)	esign, specificati 6 nos out:- 100 nos (Co	approved de	(a)		1
292.2 340.5 19,343.2 2,321.1 21,664.4 188.3 ete as per	etc. all comple	y of sutili e		Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo  ent bags with local sand, stiching the bags and placing in ons and direction of E/I  Supplying of Sand bags st of sand and Empty cement bag)	esign, specificati 6 nos out:- 100 nos (Co	approved de	(a)		1
292.2 340.5 19,343.2 2,321.1 21,664.4 188.3 ete as per	8.46 299.25	y of sutili e	Nos	Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo  ent bags with local sand, stiching the bags and placing in ons and direction of E/I  Supplying of Sand bags that of sand and Empty cement bag)	esign, specificati 6 nos out:- 100 nos (Co	approved de	(a)		1
292.2 340.5 19,343.2 2,321.1 21,664.4 21,664.4 188.3	8.46 299.25	100 3.4	Nos	Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo  ent bags with local sand, stiching the bags and placing incons anddirection of E/I  Supplying of Sand bags st of sand and Empty cement bag)  Carraige cost for Local sand 100 no. of Bags=100x0.034m3	nos out:- 100 nos (Co	approved de Unit :- Per % Taking Out p	***		1
292.2 340.5 19,343.2 2,321.1 21,664.4 188.3 ete as per 846.0 1017.4 1863.4	8.46 299.25 Total	100 3.4	Nos cum	Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo  ent bags with local sand, stiching the bags and placing incons anddirection of E/I  Supplying of Sand bags st of sand and Empty cement bag)  Carraige cost for Local sand 100 no. of Bags=100x0.034m3	nos out:- 100 nos (Co	approved de Unit :- Per % Taking Out p	(a)		1
292.2 340.5 19,343.2 2,321.1 21,664.4 188.3 ete as per 846.0 1017.4 1863.4	8.46 299.25 Total 287	100 3.4 2 0.5	Nos	Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo  ent bags with local sand, stiching the bags and placing in ons and direction of E/I  Supplying of Sand bags st of sand and Empty cement bag)  Carraige cost for Local sand 100 no. of Bags=100x0.034m3	nos out:- 100 nos (Co	approved de Unit :- Per % Taking Out p  For filling &  [a) Unskilled	***		1
292.2 340.5 19,343.2 2,321.1 21,664.4 188.3 ete as per 846.0 1017.4 1863.4	8.46 299.25 Total	100 3.4 2 0.5	Nos cum	Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo  ent bags with local sand, stiching the bags and placing incons anddirection of E/I  Supplying of Sand bags st of sand and Empty cement bag)  Carraige cost for Local sand 100 no. of Bags=100x0.034m3	nos out:- 100 nos (Co	Unit :- Per % Taking Out p  For filling &  (a) Unskilled and sewing	***		1
292.2 340.5 19,343.2 2,321.1 21,664.4 188.3 ete as per 846.0 1017.4 1863.4	8.46 299.25 Total 287	100 3.4 2 0.5	Nos cum	Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo  ent bags with local sand, stiching the bags and placing incons anddirection of E/I  Supplying of Sand bags st of sand and Empty cement bag)  Carraige cost for Local sand 100 no. of Bags=100x0.034m3	s nos out:- 100 nos (Co stiching & stack mazdoor for fill	Init:-Per % Taking Out p  For filling & (a) Unskilled and sewing (b) Sutali	***		1
292.2 340.5 19,343.2 2,321.1 21,664.4 188.3 ete as per 846.0 1017.4 1863.4 574.0 9.8 583.8	8.46 299.25 Total 287 19.75	100 3.4	Nos cum	Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo  ent bags with local sand, stiching the bags and placing incons anddirection of E/I  Supplying of Sand bags st of sand and Empty cement bag)  Carraige cost for Local sand 100 no. of Bags=100x0.034m3	s nos out:- 100 nos (Co stiching & stack mazdoor for fill	Init:-Per % Taking Out p  For filling & (a) Unskilled and sewing (b) Sutali	***		1
292.2 340.5 19,343.2 2,321.1 21,664.4 188.3 ete as per 846.0 1017.4 1863.4	8.46 299.25 Total 287	100 3.4 2 0.5	Nos cum	Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo ent bags with local sand, stiching the bags and placing in ons and direction of E/I  Supplying of Sand bags st of sand and Empty cement bag)  Carraige cost for Local sand 100 no. of Bags=100x0.034m3  ng ng sand into bags	snos out:- 100 nos (Co stiching & stack mazdoor for fill	Init:-Per % Taking Out p  For filling & (a) Unskilled and sewing (b) Sutali	(b)		1
292.2 340.5 19,343.2 2,321.1 21,664.4 188.3 ete as per 846.0 1017.4 1863.4 574.0 9.8 583.8	8.46 299.25 Total 287 19.75	100 3.4	Nos cum  Nos Kg	Add:Carriage Charge for Bamboo Add Labour for laying Bamboo  Overheads @ 12%  Rate Per each Bamboo  ent bags with local sand, stiching the bags and placing incons anddirection of E/I  Supplying of Sand bags st of sand and Empty cement bag)  Carraige cost for Local sand 100 no. of Bags=100x0.034m3	snos out:- 100 nos (Co stiching & stack mazdoor for fill	Init:-Per % Taking Out p  For filling & (a) Unskilled and sewing (b) Sutali	***		1

SI No.	SOR No.		Description	Unit	Qty	Rate(Rs.)	Amount (R
			Add overhead chrage @12%				397
					<del> </del>		3705
			Total Net Rs.				
			Rate per %				3705
			Sand Each Bag		<u> </u>		
						Say	Rs 37
	5.7.40.2		Labour for filling ampty				
12	WRD SOR Page 159		Labour for filling empty cement bags with loocal sand, stitching the bags a of 150 M including supply of sutli etc. at site in dry portion all complete as	and placing in Nylon crate per approved design, sp	e of size pecificati	(1 m x 1 m x on and direct	1 m) with lea
$\neg$			Unit :- Each N.C				
-							
$\dashv$		1	Taking Out Put = 25 nos. filled E.C. Bags in each N/C				
-			25 Hos of filled E.C.Bags (Vide item no. 5.7.40 s	Nos	25	37.05	926
$\dashv$		<u> </u>	Rate each	1403	2.5		926
		<u> </u>					920
13		1	Supply of Nylon Crate of size 1mx1mx1m				
-						39.85	. 39
4			Material				
		(a)	Nylon Crate				20
		(b)	Add Overhead charge @12%				39
$\neg$			Total (a+b)				4.
十			Rate per nos.				44.
$\dashv$			nate per nos.				44.
14	11.2		Sand filling in Foundation Trenches as per Drawing & Technical Specificat	tion	1		
1			Unit = Per Cum	Т			
7		а	Material				
1			Sand(assuming 20 persent voids)	cum	1.20	141.85	170.2
$\top$		b	Labour				2701
T			Mate	day	0.01	305.00	3.0
			Mazdoor(Unskilled)	day	0.3	287.00	86.
T							259.
			Add overhead chrage @12%				31.12
T							290.49
1			total=				290.4
			Carraige cost for Local sand				292.
1					1		582.7