Original

Building Design Authority (P) Ltd



in joint Venture with B.N. Consultancy Pvt. Ltd and PLUSH Engineering & architects (P) Ltd, Kathmandu.

Monthly Progress Report

Regional Urban Development Project (RUDP) Project Implementation Unit Biratnagar, Nepal



January 2021 Biratnagar Metropolitan City (BMC), Nepal

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EXECUTIVE SUMMARY

This Project Monitoring Report mainly covers the Progress achieved in the component of Regional Urban Development Project (RUDP) in Biratnagar Metropolitan City, Nepal. The information has been provided in the following Chapters are mentioned below:

- 1. Introduction/ Background- It provide brief Account on the Project and its Background stating why, how and when the Project was started in Biratnagar Metropolitan City.
- 2. Salient Feature of Contract Package: RUDP/ICB/BRT/2- It provides brief Account of Contract Data with Major components of works to be carried out.
- **3.** Subproject Components- It provides a brief Account on the various Sectors of the Project component summarizing the respective Progress such as Sewer Line, Storm Water Drain, Road side Drain, Roads and Lanes and Electrification Work if any. This Chapter further covers Environment Mitigation Measures and Social Safeguard measures.
- 4. Objective and Scope of the Works- This Chapter briefly describes the expected output of the Project and Scope of Consultant regarding execution of Work.
- 5. Progress of Sub Project Components- This Chapter comprises the status of Work stating what kind of works are under Progress and how much Progress has been achieved till date. It further elaborates on the status of actual achievement versus the Targeted achievement till date. Sometimes, the project gets delayed due to unforeseen obstacles which are rampant in the case of Nepal. Such events are also enlisted to clarify the reason for delay in the project.
- 6. **Details of Pre Cast Activities-**In the urban area, as ongoing projects creates a lot of disturbances and difficulties in the life of the people living in the project area, the work has to be conducted in the speedy manner to finish it as soon as possible. Precast of the project components are the best alternative to overcome this issue and details of precast activities are provided in this chapter.
- 7. Contractor's Manpower and Contractor's Equipment- Chapter 7 and Chapter 8 deal with summary of Manpower and Equipment respectively stating whether Resources owned by the Contractor are sufficient for the execution of Contract.



1. PROJECT DESCRIPTION

1.1.INTRODUCTION/BACKGROUND

GoN has negotiated loan with Asian Development Bank for the Regional Urban Development Project (RUDP) in Nepal. The RUDP, in the line with ADB's water and urban operation plans, will construct and upgrade urban infrastructure in eight towns in the Terai Region of Nepal, improve operational effectiveness of these eight municipalities. The project will also build institutional capacity of DUDBC for urban planning, project planning and project preparation in order to proactively shape urbanization in Nepal and implement the National Urban development strategy. Biratnagar is one of the eight municipal towns included in the RUDP. The subcomponent of the RUDP covers the construction and improvement of sewerage, drainage and roads and design of Integrated Solid Waste Management System for Biratnagar Municipality. Building Design Authority (P) Ltd (Nepal), B.N. Consultancy Pvt. Ltd and PLUS Engineers & Architects (P) Ltd Kathmandu and have entered for a Contract of Consulting Services with Regional Urban Development Project(RUDP), Project Implementation Unit(PIU), Biratnagar Metropolitan City on 28thOctober 2017.

Regional Urban Development Project (RUDP) the Department of Urban Development and Building Construction (DUDBC), under the Ministry of Urban Development (MUD) through the Government of Nepal (GoN) has received the loan from Asian Development Bank (ADB) Loan 47252-NEP.

In line with ADB's Strategy 2020 and based on Nepal's fundamental long term needs and on the GoN's priority, the ADB is continuing to support the Government in(i) improving urban infrastructure; improving access to water supply and sanitation (ii) supporting urban environmental improvement(iii) strengthening the operation and management skills of local governments. The Regional Urban Development Project (RUDP) is forward to promote healthy cities by creating healthier urban environments and was formulated under the PPTA 2010.



2. CONTRACT DATA: - RUDP/ICB/BRT/2

	General Features							
Name of Project	Regional Urban Development Project(RUDP)							
	Government of Nepal,							
Executing Agency	Ministry of Urban Development							
	Department of Urban Development and Building Construction (DUDBC)							
Implementing Agency	Biratnagar Metropolitan City, Biratnagar							
Funded By	Asian Development Bank & Government of Nepal							
Package	Construction and Completion of Sewerage, Drainage, Road, Footpath and Road furniture works							
Contract No.	RUDP/ICB/BRT/2							
Location	Biratnagar Metropolitan City, Biratnagar							
The Consultant:								
Consultant	Building Design Authority (P) LTD in Joint Venture With B.N. consultancy Pvt and PLUS Engineers and Architects (P) Ltd Kathmandu.							
Date of Sign of Design and Supervision Consulting Service	28 th August 2017							
Date of Commencement of Design and Supervision Consulting Service	6 th September 2017							
Date of Completion	5th September 2020							
Revised Date of Completion	12 th April 2022 including DNP & Final Discharge (recommended)							
The Contractor:								
Contractor	ZHONGHENG Construction Group International Engineering Co Ltd. Beijing, China.							
Date of Agreement Made	10 th October 2017							
Date of Commencement	2 nd November 2017							
Date of Completion	1 st November 2019							
Revised Date of Completion	11 th February 2021							
Contract Amount including PS and VAT	NRs. 2,611,092,249.63							



	General Features							
Contract Amount including PS and VAT (After arithmetic correction)	NRs. 2,611,088,390.60							
Additional Financing 100% funded by BMC after VO-2 (provisional items)	NRs. 39,999,966.94							
Revised Contract Amount including PS and VAT	NRs. 3,018,488,228.77 (excluding Additional Financing 100% funded by BMC NRs. 39,999,966.94).							
Progress								
Road Rehabilitation (Asphalt)	94.16%							
Sewer Line	100.00%							
Storm Drain	100.00%							
Road Side Drain	100.00%							
Footpath/Interlock work	56.62%							
Integrated Solid Waste Management (ISWM) Design	Inception Report as well as Stakeholder's Analysis, Communication Strategy and Consultation Plan for Integrated Solid Waste Management (ISWM) has already been submitted.							
	Due to Socio Environment Problem, Progress of Integrated Solid Waste Management (ISWM) design has been hindered.							
Physical Progress up to date	Planned: 96.90%, Actual: 96.91%; Lead (+) or Lag (-) by (+) 0.01 %;							
Financial Progress up to date (on the	In Percentage: 89.19% , In Figure: NRs. 2,692,283,630.22 (including VAT and PS) up to IPC –20 wrt VO-3 .							
basis of IPC forwarded for disbursement)	In Words: NRs. Two Billion Six Hundred Ninety Two Millions Two Hundred Eighty Three Thousand Six Hundred Thirty and Twenty Two Paisa Only.							



3. SUMMARY OF PROGRESS STATUS OF ALL MAJOR COMPONENTS

S.No.	Description	Unit	Revised Quantity	B P P Remaining		Progress Status expressed in (%)	Remarks
1	Sewer Line						
a	HDPE/RCC	m	18,559.80	18,559.80	-	100.00%	
b	Manhole	No.	606.00	606.00	-	100.00%	
с	Sewer Inlet	No.	1,010.00	564.00	446.00	55.84%	
d	House Connection	No.	3,784.00	2,719.00	1,065.00	71.86%	
2	Storm Water Drain						
а	RCC Drain	m	585.00	585.00	-	100.00%	3
b	Piles	No.	138.00	138.00	-	100.00%	V0-
3	Road						w.r.t. V
a	Subgrade	m	76,283.60	76,283.60	-	100.00%	г.w
b	Sub base	m	76,283.60	5,748.60	535.00	99.30%	
c	Base	m	76,283.60	73,324.50	2,959.10	96.12%	
d	Prime	m	76,283.60	71,831.34	4,452.26	94.16%	
e	Asphalt	m	76,283.60	71,831.34	4,452.26	94.16%	
4	Road Side Drain	m	39,200.69	39,200.69	0.00	100.00%	
5	Footpath/Interlock work	sqm	49,481.82	28,017.51	21,464.31	56.62%	

Note:

Footpath/Interlock has been completed **25,366.00m** in length till the end of Jan 2021.



3.1.SUB PROJECT COMPONENTS

3.1.1 SEWER LINES

Trunk Line T1 & T2 were already completed in STIUEIP (Secondary Town Integrated Urban Environmental Improvement Project). But after various discussion, formal communication & meetings with representatives of BMC, PIU, representatives of Department of Road & representatives of six lane's contractor regarding timely execution and completion of rectification, raising, repair, maintenance, placement of missing CI covers and cleansing works of sewer system in N-S Highway (Six lanes) which damaged by the contractor of six lane highway. Yet no further progresses have been observed towards repair & maintenance works of sewer lines at N-S Highway which certainly have an effect on the successful completion of the project. Sewer lines under RUDP has been 100% completed and remaining SI & HCC works are in progress along with maintenance work of sewer lines, sewer inlet and house chamber connections as per instruction. Details of all major components of the project are as illustrated in Table – 1 and the Progress of sewer lines under RUDP are as tabulated below in Table-2:-



S. No.	Description	Unit	Revised Quantity (After VO-2)
1	Sewerage Pipe Supply and Installation	m	18,559.80
	Reinforced Concrete Pipe laying and jointing		1,967.50
	Line T2 (Secondary)	m	205.00
	Line T3 (Trunk)	m	1,632.50
	Line T4 (Trunk)	m	130.00
	HDPE laying and jointing	m	16,592.30
	Line T1 (Secondary)	m	1,743.20
	Line T2 (Secondary)	m	3,153.40
	Line T3 (Secondary)	m	9,643.80
	Line T4 (Secondary)	m	2,051.90
2	Manhole (Brick / RCC)	no.	606.00
3	Sewer Inlet	no.	1,010.00
4	House Connection	no.	3,784.00
5	Reinstatement of Roads	km	76.28
6	Road side Drain	Km	39.20
7	Storm Water Drain	m	585.00

Table 1: PROPOSED ALL MAJOR COMPONENTS OF THE PROJECT



Table: - 2 PHYSICAL PROGRESS IN SEWER LINES till date

		Revised Q	uantity	Up to Pre	Month	This	month	Total to		
SN	Description	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Progress %
Hume Pipe:										
1	Hume pipe (T2)	205.00	6.00	205.00	6.00			205.00	6.00	
2	Hume pipe (T3)	1,632.50	25.00	1,632.50	25.00			1,632.50	25.00	
3	Hume Pipe (T4)	130.00	4.00	130.00	4.00			130.00	4.00	
Subtotal in (1	m)	1,967.50	35.00	1,967.50	35.00	-	-	1,967.50	35.00	
HDPE Pipe:										
1	HDPE (T1)	1,743.20	54.00	1,743.20	54.00			1,743.20	54.00	
2	HDPE (T2)	3,153.40	121.00	3,153.40	121.00			3,153.40	121.00	
3	HDPE (T3)	9,643.80	340.00	9,643.80	340.00			9,643.80	340.00	
4	HDPE (T4)	2,051.90	56.00	2,051.90	56.00			2,051.90	56.00	
Subtotal in (m)		16,592.30	571.00	16,592.30	571.00	-	-	16,592.30	571.00	
Total		18,559.80	606.00	18,559.80	606.00	-	-	18,559.80	606.00	100.00%



SN	Description	Revised Quantity	Up to Pre Month	This month	Total to date in Nos.	Progress %
1	Sewer inlet	1,010.00	564.00	-	564.00	55.84
2	House connection	3,784.00	2,616.00	103.00	2,719.00	71.86



3.1.2 STORM WATER DRAIN

The storm water drain CN2 and CN3 has been provisioned in Regional Urban Development Project (RUDP). The Contractor has already completed 100% of the Storm water drain works and is in full function. The detail of the progress is shown in the table 3:

			-	Length of				
SN	Name of Drain		Revised	Prog	ress		Covered Drain in m	Remarks
		Original	Quantity	Previous	This Month	Cumulative	Type- RCC, Closed	
1	CN2- CN3(Chyangh Baari Nala)	652.89	585.00	585.00		585.00	585.00	100% Completed
2	CN2-CN3 (Chyangh Baari Nala)	132 Nos. of piles	138 Nos. of piles	138 Nos. of piles		138 Nos. of piles		100% Completed

3.1.3 ROADS AND LANES

Most of the roads/lanes in Biratnagar are in a poor state due to lack of periodic maintenance, and need improvement where as some of the roads are graveled and would benefit from upgrading. In the areas where drainage and sewerage works are proposed, there will be significant impact on the existing roads. The Project has considered on design based on reinstatement, rehabilitation and upgrading of existing roads length 76.28 km as per VO-03. Most of the roads of the project have been completed and some of them are in the process of being upgraded.

Out of 76.28 km. about 76.28 Km. has been attempted. About 71.83 Km. Asphalt work has been completed. The summary of physical progress of flexible pavement, rigid pavement and foot paths areas tabulated in Table 4, 4.1 & 4.2 below: -



1 a	Table No:-4 PROPOSED and PHYSICAL PROGRESS of pavement works till date Lungth in m										
				Length in m	1		Work Completed				·ks
SN	Road Number	Name of Road	Prog			Sub-base	Base	Asphalt	RCC	Paint	nar
			Previous	This Month	Total	m	m	m	m	m	Remarks
1	R42	Bhagwati Marg	229.00		229.00	229.00	229.00	229.00		229.00	
2	R5	College Road	594.00		594.00	594.00	594.00	594.00		594.00	
3	R5	Chulachuli Road	230.00		230.00	230.00	230.00	230.00		230.00	
4	R5	Transportation Line	377.20		377.20	377.20	377.20	377.20		377.20	
5	R65	Satghumti Marg	320.00		320.00	320.00					
6	R107		167.00		167.00	167.00	167.00	167.00		167.00	
7	R104	VIP Marg	275.00		275.00	275.00	275.00	275.00		275.00	
8	R8(R3 to Devkota)	Madhumara Marg	920.00		920.00	920.00	920.00	920.00		600.00	
9	B1	Kanchan Marg	1,181.10		1,181.10	1,181.10	1,181.10	1,181.10		1,106.00	
10	R21	Pratibha Marg	1,490.10		1,490.10	1,490.10	1,490.10	1,490.10		1,012.80	
11	В3	Keshaliya Marg	1,623.20		1,623.20	1,623.20	1,623.20	1,623.20		1,623.20	

Table No:-4 PROPOSED and PHYSICAL PROGRESS of pavement works till date



]	Length in m					S		
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
SIX	Road Pulliber		Previous	This Month	Total	m	m	m	m	m	Remarks
12	S13		1,724.20		1,724.20	1,724.20	1,724.20	1,724.20		1,812.60	
13	R12	Brikuti to Keshaliya	844.20		844.20	844.20	844.20	844.20		844.20	
14	R12	Kanchha Dai Marg	900.00	151.20	1,051.20	1,051.20	900.00	900.00			
15	R12 (R114-R183)				-	-	-	-			
16	Rani site	Rani	3,725.15		3,725.15	3,725.15	3,725.15	3,725.15		3,725.15	
17	R16	Satya Marg	583.90		583.90	583.90	583.90	583.90		583.90	
18	R26	Pasang Marg	602.30		602.30	602.30	602.30	602.30		602.30	
19	R28	Pustakalaya Marg	606.10		606.10	606.10	606.10	606.10		606.10	
20	R27	Pipal Marg	794.70		794.70	794.70	794.70	794.70		639.20	
21	R25	Devi Marg	592.30		592.30	592.30	592.30	592.30		592.30	
22	R24	Prabhat Marg	382.90		382.90	382.90	382.90	382.90		382.90	



]	Length in m Progress			Work Con	pleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
51V	Road Pulliber		Previous	This Month	Total	m	m	m	m	m	Remarks
23	R37	Banglamukhi Marg	470.50		470.50	470.50	470.50	470.50		470.50	
24	R7	R25 to R27	152.57		152.57	152.57	152.57	152.57		152.57	
25	R7	R21 to R25	267.00		267.00	267.00	267.00	267.00		267.00	
26	R30	Shanti Marg	348.60		348.60	348.60	348.60	348.60		348.60	
27	R9	Fadindra Marg	119.00		119.00	119.00	119.00	119.00		119.00	
28	R9(R37 to R41)		254.60		254.60	254.60	254.60	254.60		254.60	
29	S11	Samrat Marg	502.60		502.60	502.60	502.60	502.60		504.60	
30	R22	Amar Marga	373.50		373.50	373.50	373.50	373.50		373.50	
31	R29	Shanti Marg	879.60		879.60	879.60	879.60	879.60		585.60	
32	R36	Gaurav Marg	221.10		221.10	221.10	221.10	221.10		440.00	
33	R33	Tarun Marg	282.50		282.50	282.50	282.50	282.50		282.50	



]	Length in m	l		Work Con	npleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
511	Koau Nullibei	Ivalle of Koau	Previous	This Month	Total	m	m	m	m	m	Remarks
34	R8	R29 to N36)	226.90		226.90	226.90	226.90	226.90		226.90	
35	N36		184.00		184.00	184.00	184.00	184.00		184.00	
36	R188	Shakti Marg	115.10		115.10	115.10	115.10	115.10		115.10	
37	R2	Main Road	3,116.10		3,116.10	3,116.10	3,116.10	3,116.10		4,350.00	
38	T3 Line 6A	Pandit Meghnath Marg	279.30		279.30	279.30	279.30	279.30		279.30	
39	R63 (DSP Road)	DSP Road	424.00		424.00	424.00	424.00	424.00		424.00	
40	R90	Shakti Marg	449.30		449.30	449.30	449.30	449.30		640.00	
41	R77	Arniko Marg	87.70		87.70	87.70	87.70	87.70		87.70	
42	R76	Mitra Marg	275.60		275.60	275.60	275.60	275.60		541.20	
43	R183/T2L24C	Nava Jyoti Marg	217.20		217.20	217.20	217.20	217.20		217.20	
44	T1 L16B	Xenial Front	203.70		203.70	203.70	203.70	203.70		203.70	



]	Length in m	l		Work Con	pleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
51	Koau Number		Previous	This Month	Total	m	m	m	m	m	Remarks
45	T1L16A	Xenial South	165.70		165.70	165.70	165.70	165.70		165.70	
46	R114	Dharanidhar Marg	569.00		569.00	569.00	569.00	569.00		560.00	
47	R113	Kavi Lekh Marg	746.20		746.20	746.20	746.20	746.20		746.20	
48	R3	Dharamban Marg	2,254.10		2,254.10	2,254.10	2,254.10	2,254.10		2,080.30	
49	R3 -(T3 Family plan	ning to DUDBC)	337.00		337.00	337.00	337.00	337.00	337.00	337.00	
50	R84	West of school	237.00		237.00	237.00	237.00	237.00		237.00	
51	R84		248.90		248.90	248.90	248.90	248.90		248.90	
52	R85	Machha Line	153.80		153.80	153.80	153.80	153.80		153.80	
53	R87	Mahabir Chowk	234.20		234.20	234.20	234.20	234.20		234.20	
54	R86	Petrol pump side -R12	191.50		191.50	191.50	191.50	191.50		191.50	
55	R11	R18/R86	204.10		204.10	204.10	204.10	204.10		204.10	



			Length in m				Work Con	pleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
SIT			Previous	This Month	Total	m	m	m	m	m	Remarks
56	N3	Jatuwa	122.00		122.00	122.00	122.00	122.00		122.00	
57	N3	Janani Marga	280.00		280.00	280.00	280.00	280.00		280.00	
58	N4(R16 to R21)	Jatuwa	168.80		168.80	168.80	168.80	168.80		168.80	
59	R10	R35 to R76	670.80		670.80	670.80	670.80	670.80		670.80	
60	T2L26F	APF	55.00		55.00	55.00	55.00	55.00		55.00	
61	T2L27		75.00		75.00	75.00	75.00	75.00		75.00	
62	R122		251.00	190.00	441.00	441.00	251.00	251.00		251.00	
63	N9		222.60		222.60	222.60	222.60	222.60		222.60	
64	R17		374.00		374.00	374.00	374.00	374.00		374.00	
65	R18		387.30		387.30	387.30	387.30	387.30		300.00	
66	N2		117.00		117.00	117.00	117.00	117.00		117.00	



]	Length in m			Work Con	pleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
SIT	Road Pulliber		Previous	This Month	Total	m	m	m	m	m	Remarks
67	T3L6	Moti Marga	158.30		158.30	158.30	158.30	158.30		158.30	
68	T3L6	CDO Office front	49.40		49.40	49.40	49.40	49.40		49.40	
69	R45	Bata road	510.70		510.70	510.70	510.70	510.70		510.70	
70	T3L21		547.00		547.00	547.00	547.00	547.00		547.00	
71	N5	R16 to R18	67.20		67.20	67.20	67.20	67.20		67.20	
72	T3L39		340.00		340.00	340.00	340.00	340.00		340.00	
73	T3L39A		138.00		138.00	138.00	138.00	138.00		138.00	
74	T3L39B		60.00		60.00	60.00	60.00	60.00		60.00	
75		Milan Marga	130.00	120.00	250.00	250.00	250.00	250.00			
76	R68 - T2L24G		218.00		218.00	218.00	218.00	218.00		218.00	
77	N10		194.00		194.00	194.00	194.00	194.00		194.00	



]	Length in m			Work Con	npleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
511	Koau Number	Name of Koau	Previous	This Month	Total	m	m	m	m	m	Remarks
78	T3L24C &D	Hanuman Das Road	200.00		200.00	200.00	200.00	200.00			
79	R6(N2 to R41)		1,832.80		1,832.80	1,832.80	1,832.80	1,832.80		1,327.00	
80	N24		144.00		144.00	144.00	144.00	144.00		144.00	
81	R31		189.20		189.20	189.20	189.20	189.20		189.20	
82	N27	Bindabasini Marga	354.00		354.00	354.00	354.00	354.00		354.00	
83	R73 (R2 to R5)		217.00		217.00	217.00	217.00	217.00		217.00	
84	R6 (R41-R44)	Bata Galli	269.00		269.00	269.00	269.00	269.00		269.00	
85	R9 (T3Line11K)	R41-R7	194.80		194.80	194.80	194.80	194.80		194.80	
86	R44	Thakurbadi Road	727.10		727.10	727.10	727.10	727.10		727.10	
87	R102	Main	140.00		140.00	140.00	140.00	140.00		140.00	
88	R102	Branch	71.30		71.30	71.30	71.30	71.30		71.30	



]	Length in m	l		Work Con	pleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
51	Koau Number		Previous	This Month	Total	m	m	m	m	m	Remarks
89	R103		171.30		171.30	171.30	171.30	171.30		171.30	
90	R32		189.20		189.20	189.20	189.20	189.20		189.20	
91	T2L18Y		116.20		116.20	116.20	116.20	116.20		116.20	
92	R20		108.00		108.00	108.00	108.00	108.00		108.00	
93	R82 (T1Line5)	Everest School	522.80		522.80	522.80	522.80	522.80		522.80	
94	T1L5A		171.90		171.90	171.90	171.90	171.90		171.90	
95	T3L23C	North to Jay Nepal	87.00		87.00	87.00	87.00	87.00		87.00	
96	T3L25B		285.00		285.00	285.00	285.00	285.00		285.00	
97	T3L25C		140.00		140.00	140.00	140.00	140.00			
98	R3(T3 Trunk)	Tinpaini to Sanihat	680.00		680.00	680.00	680.00	680.00		680.00	
99	Nagmandir to R3		55.00		55.00	55.00	55.00	55.00		55.00	



]	Length in m Progress			Work Con	pleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
51	Koau Number		Previous	This Month	Total	m	m	m	m	m	Remarks
100	R4		960.00		960.00	960.00	960.00	960.00		960.00	
101	R75		137.00		137.00	137.00	137.00	137.00		137.00	
102	R43		329.40		329.40	329.40	329.40	329.40		329.40	
103	T219P		124.80		124.80	124.80	124.80	124.80		124.80	
104	T219Q		113.70		113.70	113.70	113.70	113.70		113.70	
105	R106		195.00		195.00	195.00	195.00	195.00		195.00	
106	T3L12		80.00		80.00	80.00	80.00	80.00		80.00	
107	R46		610.00		610.00	610.00	610.00	610.00		610.00	
108	T3L11E		124.55		124.55	124.55	124.55	124.55		124.55	
109	T3L13D		70.00		70.00	70.00	70.00	70.00		70.00	
110	T3L13C		102.00		102.00	102.00	102.00	102.00		102.00	



]	Length in m	1		Work Con	pleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ıark
BIT	Road Rumber		Previous	This Month	Total	m	m	m	m	m	Remarks
111	R34		157.40		157.40	157.40	157.40	157.40		157.40	
112	T3L13E		64.00		64.00	64.00	64.00	64.00		64.00	
113	T3L13K		76.00		76.00	76.00	76.00	76.00		76.00	
114	R19		228.00		228.00	228.00	228.00	228.00		228.00	
115	R41		540.00		540.00	540.00	540.00	540.00		540.00	
116	R9B		83.85		83.85	83.85	83.85	83.85		83.85	
117	R67		119.40		119.40	119.40	119.40	119.40		119.40	
118	R74		95.00		95.00	95.00	95.00	95.00		95.00	
119	R9A		109.00		109.00	109.00	109.00	109.00		109.00	
120	T2L19F		120.00		120.00	120.00	117.20	117.20		117.20	
121	T3L7A		190.00		190.00	190.00	158.00	158.00		158.00	



]	Length in m	l		Work Con	pleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ıark
BIT	Road Rumber		Previous	This Month	Total	m	m	m	m	m	Remarks
122	T3L13F		75.00		75.00	75.00	75.00	75.00		75.00	
123	T3L11M		85.00		85.00	85.00	85.00	85.00		85.00	
124	T3L33A (N7)		135.00		135.00	135.00	135.00	135.00		135.00	
125	R35		142.50		142.50	142.50	142.50	142.50		142.50	
126	R83		130.00		130.00	130.00	130.00	130.00		130.00	
127	R105		174.00		174.00	174.00	174.00	174.00		174.00	
128	R15		194.00		194.00	194.00	194.00	194.00		194.00	
129	R181		196.00		196.00	196.00	196.00	196.00			
130	R181A		-	84.40	84.40	84.40	84.40	84.40			
131	N38		358.00		358.00	358.00	358.00	358.00		358.00	
132	T2L26E	Bhanu Tole	107.00		107.00	107.00	107.00	107.00		107.00	



]	Length in m	l		Work Con	npleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
BIT	Road Rumber		Previous	This Month	Total	m	m	m	m	m	Remarks
133	T2L19G		63.00		63.00	63.00	63.00	63.00		63.00	
134	T3L19H		84.00		84.00	84.00	84.00	84.00		84.00	
135	T2L19V		90.00		90.00	90.00	90.00	90.00		90.00	
136	T2L19Y		110.00		110.00	110.00	110.00	110.00		110.00	
137	T2L19Z		64.00		64.00	64.00	64.00	64.00		64.00	
138	R110		255.00		255.00	255.00	255.00	255.00		225.00	
139	T2L18A		97.00		97.00	97.00	97.00	97.00		97.00	
140	B2		2,584.65		2,584.65	2,584.65	2,584.65	2,584.65	210.00	2,584.65	
141	R7	Sani Haat Chowk to Hospital	746.80		746.80	746.80	746.80	746.80		746.80	
142	R7	(R46-R44) Shree Hospital	155.00		155.00	155.00	155.00	155.00		155.00	



]	Length in m	1		Work Con	pleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
51	Koad Number		Previous	This Month	Total	m	m	m	m	m	Remarks
143	T3 Line18A	Nearby Neuro parking	79.32		79.32	79.32	79.32	79.32		79.32	
144	T3L21A	Milan Chowk	123.40		123.40	123.40	123.40	123.40		123.40	
145	T3L18C		103.00		103.00	103.00	103.00	103.00		103.00	
146	R39	Sansari Maisthan	180.00		180.00	180.00	180.00	180.00		180.00	
147	R40		330.60		330.60	330.60	330.60	330.60		330.60	
148	R101		270.00		270.00	270.00	270.00	270.00		270.00	
149	T3Line5	Sanihat to Nagarpalika	285.00		285.00	285.00	285.00	285.00		285.00	
150	R7(R21 to R18)		68.00		68.00	68.00	68.00	68.00		68.00	
151	R7(R25 to R27		155.00		155.00	155.00	155.00	155.00		155.00	
152	R9(R37 to R30)		219.60		219.60	219.60	219.60	219.60		219.60	
153	N8		166.90		166.90	166.90	166.90	166.90		166.90	



]	Length in m	l		Work Con	pleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ıark
BIT	Road Rumber		Previous	This Month	Total	m	m	m	m	m	Remarks
154	R7		983.00		983.00	983.00	983.00	983.00		983.00	
155	R5		110.00		110.00	110.00	110.00	110.00			
156	T2Line11N		65.00		65.00	65.00	65.00	65.00		65.00	
157	R6	Siddhartha to R46	185.00		185.00	185.00	185.00	185.00		185.00	
158	R100 (T2Line 22B)		150.00		150.00	150.00	150.00	150.00		150	
159	T3 Trunk Line	Devkota to Family Planning	340.00		340.00	340.00	340.00	340.00		340.00	
160	T3Line25A		302.00		302.00	302.00	302.00	302.00		302.00	
161	T3 Line23C		90.00		90.00	90.00	90.00	90.00		90.00	
162	R10	Ram Marga	180.00	42.60	222.60	222.60					
163	T2 Line18K		76.00		76.00	76.00	76.00	76.00		76.00	
164	R47	Matrika Marga	322.00		322.00	322.00	322.00	322.00		322.00	



]	Length in m	l		Work Con	npleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ıark
SI			Previous	This Month	Total	m	m	m	m	m	Remarks
165	T3 Line22 (Devkota chowk to NRB		190.00	203.00	393.00	393.00	393.00	393.00		190.00	
166	R26	east of R3	324.00		324.00	324.00	324.00	324.00		324.00	
167	R27	east of R3	186.00		186.00	186.00	186.00	186.00		186.00	
168	N33	Parichaya Marga	194.50		194.50	194.50	194.50	194.50		194.50	
169	T3Line10C	Green cross Line	150.00		150.00	150.00	150.00	150.00		150.00	
170	N23		75.00		75.00	75.00	75.00	75.00			
171	R10		181.00		181.00	181.00	181.00	181.00		181.00	
172	R15		340.00		340.00	340.00	340.00	340.00		340.00	
173	T3 Trunk	DUDBC off to Sanihat	231.70	120.00	351.70	351.70	351.70	231.70		231.70	
174	R16	East of Dharambad	218.10		218.10	218.10	218.10	218.10		218.10	



]	Length in m	l		Work Con	pleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ıark
511	Road Pulliber		Previous	This Month	Total	m	m	m	m	m	Remarks
175	T3Line10	Green cross Line	184.20		184.20	184.20	184.20	184.20			
176	T2Line19B	Jaycess Marga	148.00		148.00	148.00	148.00	148.00		148.00	
177	T3Line13C	Kumari Mill Line	229.30		229.30	229.30	229.30	229.30		229.30	
178	T2Line22A	Indreni Marga	382.00		382.00	382.00	382.00	382.00		382.00	
179	T2Line19W	Near Parichaya Marga	58.80		58.80	58.80	58.80	58.80		58.80	
180	R64		123.00		123.00	123.00	123.00	123.00		123.00	
181	R6	Shital Yadav Clinic Road	180.00		180.00	180.00	180.00	180.00		180.00	
182	R11	Om Shanti Marga	317.00		317.00	317.00	317.00	317.00		317.00	
183	R17	Dharambad East	230.00		230.00	230.00	230.00	230.00		230.00	
184	R23		227.00		227.00	227.00	227.00	227.00		227.00	



]	Length in m			Work Con	pleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
BIT	Road Rumber		Previous	This Month	Total	m	m	m	m	m	Remarks
185	R13		226.00		226.00	226.00	226.00	226.00		226.00	
186	T2Line18D(N19)		80.00		80.00	80.00	80.00	80.00		80.00	
187	T2Line19K		205.00		205.00	205.00	205.00	205.00		205.00	
188	T1Line7A		75.00		75.00	75.00	75.00	75.00			
189	T1Line7B		86.00		86.00	86.00	86.00	86.00			
190	T1Line7C		70.00		70.00	70.00	70.00	70.00			
191	T1Line 8C		76.00		76.00	76.00	76.00	76.00			
192	T1Line8B	Mukti marga	300.00	50.00	350.00	350.00	350.00	155.00			
193	R70		216.00		216.00	216.00	216.00	70.00			
194	R4		1,200.00		1,200.00	1,200.00	1,200.00	1,200.00		1,150.00	
195	R83		370.00		370.00	370.00	370.00	370.00			



]	Length in m	l		Work Con	pleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
511	Road Pulliber		Previous	This Month	Total	m	m	m	m	m	Remarks
196	R5(Satghumti to Mahabir)		200.00		200.00	200.00	200.00	200.00		200.00	
197	R71		105.00		105.00	105.00	105.00	105.00			
198	T1Line 17		85.00		85.00	85.00	85.00	85.00			
199	T1Line16		215.00		215.00	215.00	215.00	215.00			
200	T3Line7		120.00		120.00	120.00	120.00	120.00			
201	T3Line26E		250.00	98.00	348.00	348.00	250.00	250.00			
202	T3Line26H		55.00	3.65	58.65	58.65	58.65	58.65			
203	R7(R28-R29)		200.00	(13.40)	186.60	186.60	186.60	186.60			
204	R4 Branch		200.00		200.00	200.00	200.00	200.00		200.00	
205	N34		175.24	(48.74)	126.50	126.50	126.50	126.50		175.24	
206	R6		460.00		460.00	460.00	460.00	460.00		460.00	



]	Length in m			Work Con	pleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lar
511	Koau Tumber		Previous	This Month	Total	m	m	m	m	m	Remarks
207	R111		160.00	(4.30)	155.70	155.70	155.70	155.70			
208	R111(A)		65.00	(4.10)	60.90	60.90	60.90	60.90			
209	R112		140.00	76.50	216.50	216.50	216.50	216.50			
210	T3L-26		130.00		130.00						
211	Mahendra to R12 (T1Line 13)		230.00	(19.80)	210.20	210.20	210.20	210.20			
212	T3Line24B		230.00	(54.00)	176.00	176.00	176.00	176.00			
213	N1		105.00		105.00	95.00					
214	R121		125.00	(27.80)	97.20	97.20	97.20	97.20			
215	T3 Line 11F (Gyan Marga)		70.00		70.00						
216	B2 Branch		80.00	15.50	95.50	95.50	95.50	95.50			
217	N40 (Near R29)		135.00	(11.00)	124.00	124.00	124.00	124.00			
218	N39		95.00		95.00						



]	Length in m	l		Work Con	npleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
SI	Road Rumber		Previous	This Month	Total	m	m	m	m	m	Remarks
219	T2Line 19o(Prativa chowk)		60.00		60.00						
220	N15		50.00		50.00						
221	N35		80.00	1.00	81.00	81.00	81.00	81.00			
222	Ghoghapaini		650.00	257.00	907.00	907.00	650.00	650.00		650.00	
223	R3 - Under STIUEIP				-					4,000.00	
224	Barganchhi to Durga chowk			603.00	603.00	603.00	603.00	603.00			
225	T3L27 - Branch1			134.30	134.30	134.30	134.30	134.30			
226	R109			128.00	128.00	128.00	128.00	128.00			
227	R109	R107 - South		97.00	97.00	97.00	97.00				
228	S13 Branch (East)			51.80	51.80	51.80	51.80	51.80			
229	Durga Chowk to R2			170.40	170.40	170.40	170.40	170.40		170.40	
230	R14			522.50	522.50	522.50					



]	Length in m	l		Work Con	npleted			S
SN	Road Number	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lar
DIV	ittouu i tumbei		Previous	This Month	Total	m	m	m	m	m	Remarks
231	Keshaliya Marga			735.16	735.16	735.16	735.16				
232	New Jyoti Marga			163.00	163.00	163.00					
233	East of Banjara Road			200.00	200.00	200.00	200.00				
234	R108	North of R107		95.00	95.00	95.00					
235	S13	East of R2		210.00	210.00	210.00					
236	T1L14B	West south of Nepal Bazar		120.00	120.00						
237	T1L14C	West south of Nepal Bazar		65.00	65.00	65.00					
	Total		71,758.73	4,524.87	76,283.60	75,748.60	73,324.50	71,831.34	210.00	69,152.83	



Table No:-4.1Footpath (Work Progress till date)

				Progress in	m		Footpath		
SN	Road Number	Туре*	Previous	This Month	Cumulative	Length (m)	Avg. Breadth (m)	Quantity (m ²⁾	Remarks
1	R2	Precast block	1,502.00	500.00	2,002.00	2,002.00	0.98	1,961.96	RHS
2	R2	Precast block	1,202.00	500.00	1,702.00	1,702.00	1.10	1,872.20	LHS
3	R29	Precast block	330.00		330.00	330.00	0.90	297.00	RHS
4	R29	Precast block	330.00		330.00	330.00	0.90	297.00	LHS
5	R28	Precast block	322.00		322.00	322.00	0.90	289.80	RHS
6	R28	Precast block	335.00		335.00	335.00	0.90	301.50	LHS
8	R21	Precast block	365.00		365.00	365.00	1.00	365.00	RHS
9	R21	Precast block	765.00		765.00	765.00	1.00	765.00	LHS
10	R78	Precast block	75.00		75.00	75.00	1.20	90.00	RHS
11	R78	Precast block	75.00		75.00	75.00	1.20	90.00	LHS
12	R77	Precast block	115.00		115.00	115.00	0.90	103.50	RHS
13	R77	Precast block	115.00		115.00	115.00	0.90	103.50	LHS
14	R76	Precast block	275.00		275.00	275.00	0.95	261.25	RHS
15	R76	Precast block	275.00		275.00	275.00	0.95	261.25	LHS
16	R75	Precast block	160.00		160.00	160.00	0.95	152.00	RHS
17	R75	Precast block	160.00		160.00	160.00	0.95	152.00	LHS
18	R10	Precast block	700.00		700.00	700.00	0.95	665.00	RHS
19	R10	Precast block	700.00		700.00	700.00	0.95	665.00	LHS
20	R31	Precast block	175.00		175.00	175.00	0.95	166.25	RHS
21	R31	Precast block	175.00		175.00	175.00	0.95	166.25	LHS
22	R32	Precast block	185.00		185.00	185.00	0.30	55.50	RHS



				Progress in	m		Footpath		
SN	Road Number	Туре*	Previous	This Month	Cumulative	Length (m)	Avg. Breadth (m)	Quantity (m ²⁾	Remarks
23	R32	Precast block	185.00		185.00	185.00	0.30	55.50	LHS
24	R33	Precast block	285.00		285.00	285.00	0.90	256.50	RHS
25	R33	Precast block	170.00		170.00	170.00	0.90	153.00	LHS
26	R16	Precast block	170.00		170.00	170.00	1.20	204.00	RHS
27	R16	Precast block	170.00		170.00	170.00	1.20	204.00	LHS
28	R6	Precast block	700.00		700.00	700.00	1.20	840.00	RHS
29	R6	Precast block	700.00		700.00	700.00	1.20	840.00	LHS
30	B1	Precast block	490.00		490.00	490.00	1.20	588.00	RHS
31	B1	Precast block	490.00		490.00	490.00	3.40	1,666.00	LHS
32	B2 (2)	Precast block	715.00		715.00	715.00	0.59	421.85	RHS
33	B2 (2)	Precast block	715.00		715.00	715.00	1.65	1,179.75	LHS
34	B2 (1)	Precast block	131.00		131.00	131.00	2.60	340.60	RHS
35	B2 (1)	Precast block	131.00		131.00	131.00	0.90	117.90	LHS
36	В3	Precast block	1,160.00		1,160.00	1,160.00	2.33	2,702.80	RHS
37	В3	Precast block	670.00		670.00	670.00	0.70	469.00	LHS
38	S11	Precast block	112.00		112.00	112.00	0.95	106.40	RHS
39	S11	Precast block	75.00		75.00	75.00	1.21	90.75	LHS
40	Rani	Precast block	425.00		425.00	425.00	1.00	425.00	RHS
41	Rani	Precast block	425.00		425.00	425.00	1.00	425.00	LHS
42	R3	Precast block	310.00		310.00	310.00	1.10	341.00	RHS
43	R3	Precast block	1,050.00		1,050.00	1,050.00	1.10	1,155.00	LHS
44	R27	Precast block	400.00		400.00	400.00	1.10	440.00	RHS



				Progress in	m		Footpath		
SN	Road Number	Туре*	Previous	This Month	Cumulative	Length (m)	Avg. Breadth (m)	Quantity (m ²⁾	Remarks
45	R27	Precast block	400.00		400.00	400.00	0.85	340.00	LHS
46	R26	Precast block	300.00		300.00	300.00	1.23	369.00	RHS
47	R26	Precast block	285.00		285.00	285.00	1.10	313.50	LHS
48	R25	Precast block	205.00		205.00	205.00	1.00	205.00	RHS
49	R25	Precast block	201.00		201.00	201.00	1.00	201.00	LHS
50	R7	Precast block	620.00	630.00	1,250.00	1,250.00	0.85	1,062.50	RHS
51	R7	Precast block	661.00	609.00	1,270.00	1,270.00	0.85	1,079.50	LHS
52	T3 Trunk - R46	Precast block	650.00		650.00	650.00	1.15	747.50	RHS
53	T3 Trunk - R46	Precast block	600.00	50.00	650.00	650.00	1.15	747.50	LHS
54	N27	Precast block	-	360.00	360.00	360.00	0.45	162.00	RHS
55	N27	Precast block	-	360.00	360.00	360.00	0.45	162.00	LHS
56	Sanihat Road	Precast block	-	120.00	120.00	120.00	2.25	270.00	LHS
57	T3 Line6A - P1	Precast block	150.00		150.00	150.00	0.85	127.50	RHS
58	T3 Line6A - P1	Precast block	150.00		150.00	150.00	0.85	127.50	LHS
	Total =		22,237.00	3,129.00	25,366.00	25,366.00	61.54	28,017.51	



SN	Description	Unit	Revised Length	Total Up to Previous Month	This Month	Total Up to this Month	Progress
1	Sub grade	m	76,283.60	71,758.73	4,524.87	76,283.60	100.00%
2	Sub Base	m	76,283.60	70,568.73	5,179.87	75,748.60	99.30%
3	Base	m	76,283.60	69,498.93	3,825.57	73,324.50	96.12%
4	Prime/Tack	m	76,283.60	68,740.00	3,091.34	71,831.34	94.16%
5	Asphalt	m	76,283.60	68,537.93	3,293.41	71,831.34	94.16%
6	Paint	m	76,283.60	50,074.39	19,078.44	69,152.83	90.65%

Table No: -4.2 Road improvement Works (Work Progress till date)

3.1.4 ROAD SIDE DRAIN

Most of the roads under this project for upgrading is without drain or existing drain are in poor condition, on instruction from the employer at various stretches the construction works were ongoing and some of them have been completed. The project has provisioned drain at either sides or one side as per available RoW of the road. The contractor has almost completed drain works at many locations provisioned in contract. The progress for the drain works is listed below:

Table No:-4a PROPOSED and PHYSICAL PROGRESS of Road side drain works till date.

					Length in m	l		Work Co	mpleted	s
SN	Road	Name of			Prog	ress		Brick	RCC	ıark
51	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
1	B1	Kanchan Marg	-	-	45.00		45.00	45.00		
2	R29	Shanti Marg	270.00		256.52		256.52	256.52		
3	N36				185.88		185.88	185.88		
4	R8		370.00		219.83		219.83	219.83		
5	R7	Devi Marg and Pipal Marg	155.00	155.00	89.76		89.76	89.76		
6	R63	DSP Road	418.79		418.79		418.79	418.79		
7	R9	Baglamukhi path	120.00	103.20	103.20		103.20	103.20		



					Length in m	1		Work Co	mpleted	s
SN	Road	Name of			Prog	ress		Brick	RCC	Remarks
511	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Rem
8	S13	Udaya Marga	-	158.10	79.05		79.05	79.05		
9	N33		-	70.00	60.00		60.00	60.00		
10	R28	Pustakalaya Marg	340.00	278.00	139.00		139.00	139.00		
11	R90	Shakti Marg	320.00		377.30		377.30	377.30		
12	R114	Dharanidhar Marg	_	312.33	312.33		312.33	312.33		
13	R11	Om Shiv Marg	-		204.25		204.25	204.25		
14	R18		-	382.50	389.50		389.50	389.50		
15	R17		-		372.00		372.00	372.00		
16	R113	Kavi Lekhnath Marg	-	312.45	157.15		157.15	157.15		
17	R77	Arniko Marg	97.00		80.00		80.00	80.00		
18	R76	Mitra Marg	272.00	275.00	270.00		270.00	270.00		
19	N9	Devi Marga	-		222.58		222.58	222.58		
20	N4		-	170.00	162.20		162.20	162.20		
21	R33	Tarun Marg	-	265.00	283.15		283.15	283.15		
22	R36	Gaurav Marg	218.00		221.80		221.80	221.80		
23	R86	Janpath Marg	215.00		192.15		192.15	192.15		
24	R183	Nava Jyoti Marg	242.00		219.40		219.40	219.40		
25	R7a		77.81		67.35		67.35	67.35		
26	Rani site	Rani B	-	650.00	365.33		365.33	365.33		
27	Rani site	Rani A	_	300.00	271.50		271.50	271.50		
28	N3		-		126.25		126.25	126.25		
29	N5		-		65.00		65.00	65.00		
30	R21	Binayak Marga	-	390.00	194.13		194.13	194.13		
31	R2	Main Road	2,060.00	2,060.00	2,793.50		2,793.50	2,793.50		



					Length in m	1		Work Co	mpleted	~
SN	Road	Name of			Prog	ress		Brick	RCC	lark
514	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
32	T1L16B	Xenial Front	-		205.68		205.68	205.68		
33	T1L16A	Xenial South	-	160.00	160.74		160.74	160.74		
34	R75	Tintoliya Marga	135.00	135.00	143.00		143.00	143.00		
35	R122	Amar Marga	-		256.00		256.00	256.00		
36	R18 Branch		-	30.00	30.00		30.00	30.00		
37	R7(b)(Neuro to sidhartha chowk)	Siddhartha Marga	317.00	317.00	365.00		365.00	365.00		
38	R12	Sukra Path	-		846.50		846.50	846.50		
39	R42	Jahada Marga	-		85.50		85.50	85.50		
40	R6	Shahi Marg	460.00		970.00		970.00		970.00	
41	R21(a)	DharamBadh Junction	-	160.00	95.00		95.00	95.00		
42	R188	Shakti Marg		120.00	115.60		115.60	115.60		
43	R40	Brahma Kumari Marga	-		328.20		328.20	328.20		
44	Rani Site C		-	100.00	97.50		97.50	97.50		
45	Ranit Site D		-	131.45	131.45		131.45	131.45		
46	T3L21	Moti Marga	380.00	380.00	527.00		527.00	527.00		
47	T3L39	Gaheli Marga	-	278.00	340.00		340.00	340.00		
48	T3 Line 39A		-	90.00	139.00		139.00	139.00		
49	T3 L39B		-	-	58.50		58.50	58.50		
50	T2L27	Bhumi Prashasan Junction	92.00	80.00	79.50		79.50	79.50		
51	N2				103.20		103.20	103.20		
52	T2 Line 26E	College Road	80.00	80.00	90.00		90.00	90.00		
53	T2 Line 18C	Maisthan Marga	-	105.00	102.00		102.00	102.00		
54	T2Line 18A	Makalu Marga	90.00		90.00		90.00	90.00		
55	R6 (T3L11i)		-	275.00	265.00		265.00	265.00		



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					Length in m	1		Work Co	mpleted	~
CN	Road	Name of			Prog	ress		Brick	RCC	ark
SN	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
56	R9 (T3L11k)	Tathasthu Marga	-	200.00	180.00		180.00	180.00		
57	R45 (T3Line10D)	Dadhiram Marga	302.00	302.00	298.00		298.00	298.00		
58	R9, T2 L19	Fanindra Marga and Banglamukhi Marga	256.00	256.00	362.00		362.00	362.00		
59	R7c (Neuro to Shanti Chowk	Siddhartha Marga	240.00		600.00		600.00	600.00		
60	R84	School Marga and Tenjing Marga	673.00		560.00		560.00	560.00		
61	R85	Lekhanath Marga	162.00		150.00		150.00	150.00		
62	R87	Byas Marga	160.00		150.00		150.00	150.00		
63	Rani B (Bus park)		-	120.00	90.00		90.00	90.00		
64	R8(a)	Madhumara Marg	218.00		312.00		312.00	312.00		
65	T3L23A, R101		263.47	263.47	220.00		220.00	220.00		
66	Rani E		85.00	85.00	80.00		80.00	80.00		
67	R102	Hamro Marg			140.00		140.00	140.00		
68	R10/R10a	Ram Marga	1,092.41		740.36		740.36	740.36		
69	N10	APF	154.48	154.48	193.00		193.00	193.00		
70	R23	Bani Marg	226.12	226.12	200.00		200.00	200.00		
71	R103	Vibuti Marga	173.00	173.00	170.00		170.00	170.00		
72	T3L6 and T3L7	Sahid Marga		350.00	730.00		730.00	730.00		
73	P1, T3L6A	Pandit Meghnath Marga	280.00	280.00	260.00		260.00	260.00		
74	T2 L24C & D	Hanuman Das Marga	176.93	176.93	180.00		180.00	180.00		
75	T2 L25 (R5)	Chulachuli Marga	409.00	409.00	230.00		230.00	230.00		
76	R20		190.00	190.00	108.00		108.00	108.00		
77	T2L24F		120.00	120.00	115.50		115.50	115.50		



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					Length in m	1		Work Co	mpleted	s
SN	Road	Name of			Prog	ress		Brick	RCC	Remarks
51	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Rem
78	R105		168.19	168.19	86.00		86.00	86.00		
79	R34	Prabhu Marg	151.00	151.00	158.35		158.35	158.35		
80	R35	Garima Marg	138.00	138.00	140.00		140.00	140.00		
81	R107		180.00	180.00	160.00		160.00	160.00		
82	T3L13D		80.00	80.00	70.63		70.63	70.63		
83	T3L13E		70.00	70.00	62.40		62.40	62.40		
84	T3L11E		160.00	160.00	110.00		110.00	110.00		
85	B2				210.00		210.00	210.00		
86	R78				35.00		35.00	35.00		
87	T3L21B				70.00		70.00	70.00		
88	T3L21A				50.00		50.00	50.00		
89	R74				96.00		96.00	96.00		
90	R46, (T3L7 and T3L22)	Rangeli Road			400.00		400.00	400.00		
91	T3L7A				125.00		125.00	125.00		
92	T3L8				75.00		75.00	75.00		
93	R5, (T2 L24)	Gudari Marga			300.00		300.00	300.00		
94	R82				190.00		190.00	190.00		
95	T1L13A				100.00		100.00	100.00		
96	T1L14A				150.00		150.00	150.00		
97	R68				200.00		200.00	200.00		
98	T3L22A				335.00		335.00	335.00		
99	T3L22B				120.00		120.00	120.00		
100	T3L25C				140.00		140.00	140.00		
101	T3L11B				71.00		71.00	71.00		
102	T3L11M				82.00		82.00	82.00		



			Length in m					Work Co	mpleted	S
SN	Road	Name of			Prog	ress		Brick	RCC	ark
514	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
103	R106				70.00		70.00	70.00		
104	R41				520.00		520.00	520.00		
105	T2L19B				130.00		130.00	130.00		
106	R30				180.00		180.00	180.00		
107	T3L13C				300.00		300.00	300.00		
108	T3L13J				72.53		72.53	72.53		
109	T2L18Y				100.00		100.00	100.00		
110	T2L19P				114.38		114.38	114.38		
111	T2L19Q				126.55		126.55	126.55		
112	R9A				109.30		109.30	109.30		
113	R9B				85.00		85.00	85.00		
114	T2L18K				74.70		74.70	74.70		
115	T3L23C				105.00		105.00	105.00		
116	T2L24E	Mahabir Marga			216.00		216.00	216.00		
117	R44				700.00		700.00	700.00		
118	R110				250.00		250.00	250.00		
119	Parichaya Marga				190.00		190.00	190.00		
120	T3L25B				195.00		195.00	195.00		
121	T1L5, 5A				590.00		590.00	590.00		
122	T2L19Y				150.00		150.00	150.00		
123	T3 Trunk				1,555.08		1,555.08	1,555.08		
124	T2L19F				118.00		118.00	118.00		
125	T2L18D				75.00		75.00	75.00		
126	R19				226.00		226.00	226.00		
127	R83	Shiva Marga			480.00		480.00	480.00		



			Length in m					Work Co	mpleted	s
CN	Road	Name of			Prog	ress		Brick	RCC	ark
SN	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
128	T3L10B, T3L7D (R46)	Rangeli Road			400.00		400.00	400.00		
129	T2L19G				60.00		60.00	60.00		
130	R4 (T2 Trunk)	Jatuwa Marga			490.00		490.00	_	490.00	
131	T3L25B, Outlet	Madhumara			96.00		96.00	96.00		
132	T3L7B	Matrika Marga			150.00		150.00	150.00		
133	T3L5	Sanihat Marga			210.00		210.00	210.00		
134	T2L19H				85.00		85.00	85.00		
135	R181				193.00		193.00	193.00		
136	N38				200.00		200.00	200.00		
137	T3L10C	Paurakh Marga			110.00		110.00	110.00		
138	T3L10F				135.00		135.00	135.00		
139	T3L10, R6				340.00		340.00	340.00		
140	R47 (T3L10A)	Matrika Marga			150.00		150.00	150.00		
141	R12	Kanchhadai Marga			795.00		795.00	795.00		
142	R8 (b)	Sahayogi Marga			65.00		65.00	65.00		
143	T1L7A	Piyush Marga			70.00		70.00	70.00		
144	T1L7B				70.00		70.00	70.00		
145	T1L7C				70.00		70.00	70.00		
146	T1L8C				70.00		70.00	70.00		
147	R39	Maisthan Marga			100.00		100.00	100.00		
148	N7	Amar Marga			130.00		130.00	130.00		
149	N8	Amar Marga			160.00		160.00	160.00		
150	R26	Amar Marga			290.00		290.00	290.00		
151	T3L25A	Bhakti Marga			280.00		280.00	280.00		
152	R16, T3L36	Satya Marga			200.00		200.00	200.00		



Regional Urban Development Project (RUDP)

					Length in m	l		Work Co	mpleted	S
SN	Road	Name of			Prog	ress		Brick	RCC	Remarks
511	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Rem
153	R17, T3L35				227.00		227.00	227.00		
154	T3L20	Janani Marga			275.00		275.00	275.00		
155	N34, T3L31A				168.00		168.00	168.00		
156	T2L19W	Bhugol Marga			57.00		57.00	57.00		
157	T2L19V	Bhugol Marga			90.00		90.00	90.00		
158	T1L8B	School Marga			285.00		285.00	285.00		
159	T2L19K	Sundar Marga			207.00		207.00	207.00		
160	T2L190				70.00		70.00	70.00		
161	T3L26E	R29 Branch 3			248.00		248.00	248.00		
162	T1L16C	CPN-UML office opposite			204.00		204.00	204.00		
163	T1L17	R181R90			84.60		84.60	84.60		
164	R70	Himalaya Road			200.00		200.00	200.00		
165	R6	Abadhnarayan Memorial Road			400.00		400.00	400.00		
166	R71	Morang Sahakari Hospital			107.00		107.00	107.00		
167	T1L13	Om Shiv Marg			72.50		72.50	72.50		
168	R4 Branch	Jatuwa Marga			185.00		185.00	185.00		
169	N1				100.00		100.00	100.00		
170	R111				215.00		215.00	215.00		
171	N40				30.00		30.00	30.00		
172	T3L24B	Asta Chiranjivi Marga			72.00		72.00	72.00		
173	Rani	Parjatantra Marga				78.58	78.58	78.58		
	Total				39,122.11	78.58	39,200.69	37,740.69	1460.00	



3.2.ENVIRONMENTAL ASPECT

The environment has been defined to mean surrounding area including human and natural resources to be affected by execution and after completion of works. The Contractor shall take all precautions for safeguarding the environment during the course of the construction of the works. He shall abide by all prevalent laws, rules and regulations governing pollution and environmental protection mitigation measure specified in the latest publication of "Environmental Management Guidelines" published by the GoN and Projects Environmental management plan.

The Contractor shall prohibit employees from unauthorized use of explosives, poaching wildlife and cutting trees. The contractor shall be responsible for the action of his employees. Environmental protection works, among others, shall also include the following.

3.2.1 BORROW/ QUARRY SITES

The engineer shall have the power to disallow the method of construction and / or the use of borrow or quarry area, if in this opinion, the stability and safety of the works or any adjacent structure is endangered, or there is undue interference with the natural or artificial drainage or the method or use of area will promote undue erosion.

Since the contractor has made agreement with the owner of crusher plant for the supply of required materials from the crusher, no approval for quarry and borrow sites are required till date.

3.2.2 DISPOSAL OF SPOIL AND CONSTRUCTION WASTE

Material excess of the requirements for permanent works and unsuitable materials shall be disposed off in location at Madhumara Yard and in the manner as agreed with the Engineer. The location of disposal site shall be such as not to promote instability, destruction of properties and public service system. Exposed area of such disposal site shall be suitably dressed and be planted with suitable vegetation.

The contractor has already provided the safe tipping sites and the excess materials are dumped as per the approved tipped sites. Spoil and construction wastes are disposed at Madhumara site similarly excess construction materials are stocked at Madhumara site and at the open space of north side of Degree College (Rani Site).

Provision for maintenance of Camps/Office/Stores/Equipment.

This section describes about the works related to maintenance and upgrading of labor camps, contractor's employees camp, contractor's site office, contractor's equipment store yards, contractor's equipment store yards, contractor's precast production yards. The camp should have the proper roofing system. Besides that, it should be spacious, should have proper circulation of the fresh air, should be hygienic, and should have proper electric lightening system & water supply system. It should be neat and clean.

Labor camps are provided at various locations as per requirement and these sites are frequently visited and monitored. The condition is found to be satisfactory. The details of the labor camps areas below:



S. No.	Location of Camp	Details	Remarks
1	Amar Tole, Biratnagar – 8	Three storey building in 2.5 Katha land with 5 Nos. of toilet with facilities mentioned in bullet No.: 3.2.3 of this report.	Have proper electric lightning system, water supply,
2	Panchali, Biratnagar – 11	 Office space three & half storey building in 4.5 Katha land with 5 Nos. of toilet with facilities mentioned in bullet No.: 3.2.3 of this report. Staff quarter is of one storey building with 2 Nos. of Toilet with facilities mentioned in bullet No.: 3.2.3 of this report. Staff quarter is of three storey building but only one storey has been taken in rent, having 2 Nos. of Toilet with facilities mentioned in bullet No.: 3.2.3 of this report. 	Have proper electric lightning system, water supply,
3	Tinpaini, Biratnagar – 2	Three storey building having land area of 3 Katha with 5 Nos. of toilet and facilities in toilets are mentioned in bullet No.: 3.2.3 of this report.	Have proper electric lightning system, water supply,
4	Rani, Biratnagar – 15	 Yard space in 10 Katha land with 4 Nos. of toilet with facilities mentioned in bullet No.: 3.2.3 of this report. Asphalt plant is having 2 Biggha land possess 6 Nos. of Toilet which are going to use by the gangs of road workers fulfil the criteria mentioned in bullet No.: 3.2.3 of this report. 	Have proper electric lightning system, water supply,
5	Madhumara yard	Occupied area of 9 Katha	Have proper electric lightning system, water supply and toilets with facilities mentioned in bullet No.: 3.2.3 of this report.



3.2.3 PROVISION AND MAINTENANCE OF TOILETS

Provision of toilets for labor and employees shall be made to avoid public nuisance as well as pollution of water courses and air. The Contractor shall construct suitable septic tanks and soak pit along with rooms for pit type latrines. Sufficient water must be provided and maintained in the toilets.

Toilets have been provided at each labor camp. The contractor has been instructed to improve the toilet conditions where required.

Toilets in all the camps are found to be in the acceptable condition.

3.2.4 CRUSHING PLANTS

Crushing plants shall be located away from the population centers, water intakes, and should not disturb the sensitive echo system. Suitable dust control device should be fitted with crusher to control emission of dust from plant. The crusher plant is located at around 42 km north-east of Biratnagar at a place called Chisyang.

Since the contractor has made agreement with the owner of crusher plant for the supply of required materials from the crusher, no approval for quarry and borrow sites are required till date certainly minimize the dust pollution.

3.2.5 ASPHALT PLANTS AND BATCHING PLANTS

Hot mix plant and batching plant shall be located away from the population centers. The Contractor shall take every precaution to reduce levels of noise, vibration, dust and emission from his plants. No Bituminous material shall be discharged in to drains, nearby trees vegetation; property shall be protected during spray of bitumen etc.

As the concrete quantity of the project is very minimal, there is no need of the separate batch plant for concrete mixing. However, as there are a lot of asphalt concrete works to be done in the project, a separate asphalt plant has been installed, especially for the project, at about6 Km south of the Biratnagar DSC office at a place called Rani.

3.2.6 OCCUPATIONAL HEALTH AND SAFETY MEASURES

The contractor shall provide personnel protective equipment (PPE) (Helmet, Boots, masks, gloves, jacket, protective glasses etc.) to use. Public notification, safety and warning signs and informative signboards in working sites for work safety shall be provided. The DSC engineer and DSC Environmental safeguard expert supervise and monitor the use of PPEs and other necessary safety measures regularly.

The SOP for COVID-19 Risk Management at Workplace has already been approved by the Employer. The contractor has already been instructed for the implementation at workplace and sites as per approved SOP. The contractor has already procured and supplied goods as approved by the Employer.

The project is the environmental improvement project and mainly constitutes sewerage and



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drainage improvement works in BMC besides others. As per ADB guide-lines on Environmental Assessment requirements, this project is classified as Environment Category B. According to Environmental Protection Regulation-2054BS, First Revised (2055 BS) schedule-3, IEE is required for Operations of Sewerage Schemes under Schedule 1.h.2.e (pertaining to Rule3). The final report was submitted to MoUD on 14th May, 2013 and has already been approved.

Installation of functioning sewers and functioning drainage system including roads/lanes improvement in BMC does not possess any adverse environmental impacts to its surrounding. In fact, these will greatly enhance the living conditions/hygiene of the in habitants and facilitate transportation. Nevertheless, it is imperative to look into positive as well as negative impacts of such infrastructure development works in the urban area.

Training and awareness program regarding health, safety and disease at Labour camps and yards on 3 and 4 March 2018 by Safety Prevention Officer Er. Dhiraj Sardar.

A regular monitoring visit by DSC was carried out and a standard site specific environmental monitoring checklist was used to record the present status of the project to verify if work has been done as per EMP Guidelines. A sample of environmental checklist is attached herewith as Annex. Also the contractor has been instructed to update the OHS as per Standard Operating Procedure for COVID-19: Risk Management at workplace and /or/ if the lockdown prevail further due to COVID-19 and work progress suffer.

3.3.SOCIAL ASPECT

Regional Urban development Project (RUDP) in Biratnagar has implemented to improve the quality of life and help to achieve higher and more socially inclusive economic growth of people through effective, efficient, and reliable delivery of improved and affordable municipal services. Infrastructure development of drainage and sewerage system as well as roads and lane improvement are the major components of RUDP in Biratnagar Metropolitan City (BMC). Establishment and functioning of Social Safeguard Desk in PIU is a major milestone of social development aspect which has been effective to address all social/ community development issues and concerns with active initiation of the DSC. Local labors have been deployed in civil construction works (i.e. in Road side drain / Sub grading / Sub Base / Base works and production of precast items, etc.). The Engineer has issued the format of Social Safeguard Monitoring plan which is attached here with.

3.4. SAFEGUARD/ GESI COMPONENT

3.4.1 COMMUNITY AWARENESS:

Conduct regular Community Awareness Consultations within Project Areas to build awareness on Project Objectives, Activities and implementation during site observation, Monitoring and Meetings. Different site visit has been conducted during May, 2018 such as DDC Pre cast yard, Chyangbari Naala Biratnagar-16, Asphalt work at Sai Marg, Sewer Line construction work at Hanumandas Road and Asphalt Plant at Rani Site. Except of Minor, no any major conflict has been found during construction work. The visit was frequently conducted jointly with Environment Safeguard Expert and Social Safeguard Expert. Before commissioning of any works at any stretches, we paste the information templates at certain interval and provide sufficient information



to the users regarding it.

3.4.2 GRIEVANCE REDRESSES MECHANISM:

Although many grievances are received verbally and written, all Total 267 no. of grievances have been registered formally up to November 2020. Among them, 17 grievances are registered in GRC desk, total 77 no. of grievances are listed in PIU registered. Similarly, 162 grievances are received through telephone in PIU. Received all grievances have immediately been addressed and solved. Received grievances are tabled in Social Safeguard desk, SD discussed over different grievances and social and environmental agendas to immediate mitigate of public complains. Total 15 no. of SD meeting has held up to this reporting period. Project manager has chaired the meeting. GRC meeting has held as per need and mayor has chaired the meeting.

3.4.3 GENDER EQUITY AND SOCIAL INCLUSION (GESI):

Activities related to GESI has been monitored and supervised in all Construction sites. During site visit female workers were found in significant minority (6numbers) at Construction sites, thus Contractor was instructed as follow:

- i. Encourage to Local female Employment as Labor and skilled manpower.
- ii. Manage separate Camp and necessary facilities for female workers to encourage of female Employment. Camps and construction sites are regularly been monitored to find the status of working force.

3.4.4 STATUS OF SOCIAL AND ENVIRONMENTAL SAFEGUARD MEASURES

The present status to this regard has been reported as below:

During the site visit for Socio Environment monitoring by DSC Environmental and Social Safeguard Expert on date1st, 2nd and 3rd December, 2018 following issues were found. Social Safeguard revisited the site on 29th, 30th and 31st December.

- i. Efforts are being made to control dust emission at construction site by sprinkling water. As personal safety was given prime importance, construction workers were made to use helmet, globe and jacket while on the construction site.
- ii. Besides that, special attentions were given on the placement of safety board and traffic signboards, safety tools, barricades, tapes, etc. and special care were taken to make sign boards big enough to make them visible from distant.
- iii. Taking into consideration of the fact that the involvement of the significant numbers of female as employee in ADB project is the main project objective of ADB, contractor paid especial attention to have a separate toilet and separate labor camp for female that facilitates and encourages female to get work in the construction field.
- iv. Significant improvement was found to be done in health and sanitation issues in the labor camp than in the previous monitoring visit; like, quality and quantity of drinking water was improved and condition of toilet was found to be enhanced. However, to meet the sanitation condition to predetermined level, further instructions were given by contractor to make provision for sufficient water in toilet and soap for hand-wash. Furthermore, yard in charge was suggested to have sufficient medications, bandages and other necessary first aid



equipment's.

- v. Efforts are being made to control the spread of virus, TL, Mr. Chand strictly instructed to obey protocol of GoN & Local governance. Frequently, organizing the awareness program and training on how to fight against CORONA Virus (COVID-19). Emphasized on how to use PPE, physical distancing, managing workers before construction, security procedure at entry/exit, changing & shower, role & responsibilities of the employer, consultant & contractor and how to check the worksite & disinfect (Wakening us about to maintain distancing, wash hand frequently, how to stay at camp, to use sanitizer and wear mask to protect yourself). The contractor's submitted Standard Operating Procedures for COVID-19 Risk Management at Workplace SoP has already been approved and the procurement and supply of goods as per SoP has already been done.
- vi. Separate Isolation room in emergency, sanitizer, thermal gun for fever detection, oximeter etc are provided in Contractor's camp and Consultant's office.

The implementation of Social and Environmental Safeguard measures during this month were found partially satisfactory.

3.4.5 STATUS OF RELOCATION OF SERVICES

Relocation of water supply pipelines at Tinpaini to Hospital Chowk (R7), B1 – Kanchanbari, T3L10E, T3L10, T3L39, T3L39A, T3L39B, T3L23C, Nagarpalika to Devkota chowk-R3, Om shanti marga-T3L22A, Moti Marga-T3L21, R100, P1, R24, Hospital Chowk to Siddhartha chowk-R7, Paribar Niyojan to Adharsha school, R181C, R181A, R21, R29, R181, R6 and R12 are 3024.00, 1319.00, 845.00, 757.70, 324.00, 333.00, 210.00, 183.00, 2400.00, 830.00, 1100.00, 300.00, 601.00, 800.00, 360.00, 380.00, 860.00, 122.70, 18.40, 396, 1376, 300 meters in length are completed. The supply has been providing temporarily as per site condition and where required. Summary of water supply are as tabulated below:

S.N.	Road Name	Pipe Size (Inch)	Pipe Length (m.)	Remarks
		1"	6.00	
1	B1- Kanchanbari	2"	619.00	
1		4"	700.00	
		6"	34.00	
		Sub Total =	1,359.00	
2	T3L10E (Buddha marg)	2"	738.40	
		Sub Total =	738.40	
3	T2I 10 (Dhamma nath)	2"	542.40	
3	T3L10 (Dharma path)	3"	106.70	
		Sub Total =	649.10	
4	T3L39 (Gaheli marg)	2"	324.00	
		Sub Total =	324.00	
5	T3L39A	2"	207.00	
		Sub Total =	207.00	



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S.N.	Road Name	Pipe Size (Inch)	Pipe Length (m.)	Remarks
6	T3L39B	1.5"	210.00	
		Sub Total =	210.00	
7	T3L23C	2"	177.60	
		Sub Total =	177.60	
0		3"	122.70	
8	R21(Binayak marg & Prativa marg)	6"	22.00	
		Sub Total =	144.70	
9	R29 (Santi marg)	4"	18.40	
		Sub Total =	18.40	
10	T3L21 (Moti marg)	2"	1,083.60	
		Sub Total =	1,083.60	
11	T3L22A (Indra marg)	2"	819.00	
		Sub Total =	819.00	
12	T3L22B	2"	273.50	
		Sub Total =	273.50	
10		3"	291.50	
13	T3L5(Sanihat marg)	8"	19.20	
		Sub Total =	310.70	
14	R181	2"	396.00	
		Sub Total =	396.00	
15	T3 trunk (Sanihat to Devkota Chowk)	3"	2,364.30	
		Sub Total =	2,364.30	
16	T3trunk (Tinpaini to Hospital Chowk)	3"	3,008.00	
		Sub Total =	3,008.00	
17	T3L6 (Moti marg)	2"	317.30	
		Sub Total =	317.30	
18	T3L10F (Shiva marg)	2"	306.70	
		Sub Total =	306.70	
19	R24 (Prabhat marg)	2"	769.00	
		Sub Total =	769.00	
20	T3L18D	2"	160.00	
		Sub Total =	160.00	
21	R12(Shukra path)	2"	300.00	
		Sub Total =	300.00	
22	R6	2"	1,376.20	
		Sub Total =	1,376.20	
~~		2"	408.00	
23	T1L16C (Panchali marg)	4"	1.20	
		Sub Total =	409.20	



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S.N.	Road Name	Pipe Size (Inch)	Pipe Length (m.)	Remarks
24	R3 Branch	2"	24.00	
		Sub Total =	24.00	
25	R5 (Chulachuli marg)	2"	483.00	
		Sub Total =	483.00	
26	R26 (Pasang marg)	2"	500.00	
		Sub Total =	500.00	
		Total =	16,728.70	

Table – 5: Status of Labor at Site

Labour	Labour		Comp	Composition Ethnic composition					
class	Skilled	Unskilled	Male	Female	Janjati	Dalit	Muslim	Madhesi	Brahmin/ Chhetri
Local	59	123	156	26	11	65	35	71	0
Non local	30	85	115	0	5	33	6	71	0
Indian	0	0	0	0	0	0	0	0	0
TOTAL	89	208	271	26	16	98	41	142	0



3.5.FINANCIAL PLAN

The Sub-project cost will be disbursed in three years starting from FY2074/2075 to 2076/2077

3.5.1 DISBURSEMENT RECORDS IN CONSTRUCTION

Table – 6: DISBURSEMENT RECORDS in CONSTRUCTION

S.No.	Description	Submission date	Covering date	Submitted Amount(NRs)	Remarks
1	IPC 01	15 th October 2017		339,105,000.00	Mobilization Advance
2	IPC 02	2 nd April 2018	$\begin{array}{llllllllllllllllllllllllllllllllllll$	261,501,492.21	
3	IPC 03	1 st July 2018	1 st April 2018 to 30 th June 2018	316,582,708.58	
4	IPC 04	1 st October 2018	1 st July 2018 to 31 st September 2019	105,227,887.16	
5	IPC 05	2 nd December 2018	1 st October 2018 to 30 th November 2018	95,951,603.44	
6	IPC 06	31 st January 2019	1stDecember2018to31stJanuary 2019	264,937,394.98	
7	IPC 07	12 th April 2019	1 st February 2019 to 31 st March 2019	308,805,662.97	
8	IPC 08	9 th May 2019	1 st April 2019 to 30 th April 2019	106,210,198.68	
9	IPC 09	10 th June 2019	1 st May 2019 to 31 st May 2019	90,419,375.33	
10	IPC 10	11 th July 2019	1 st June 2019 to 30 th June 2019	67,863,056.59	



S.No.	Description	Submission date	Covering date	Submitted Amount(NRs)	Remarks
11	IPC 11	30 th September 2019	1 st July 2019 to 30 th September 2019	95,296,297.30	
12	IPC 12	3 rd November 2019	1 st October 2019 to 31 st October 2019	53,113,369.86	
13	IPC 13	30 th November 2019	4 th June 2019 to 30 th June 2019	125,965,923.87	
14	IPC 14	31 st December 2019	1 st December 2019 to 31 st December 2019	63,509,092.84	
15	IPC 15	4 th February 2020	1 st Jan 2020 to 31 st Jan 2020	232,027,037.24	
16	IPC 16	1 st March 2020	1 st Feb, 2020 to 29 th Feb, 2020	102,186,834.62	
17	IPC 17	1 st July 2020	1 st March,2020 to 30 th June, 2020	153,448,663.15	
18	IPC 18	05 th Oct. 2020	1 st July,2020 to 30 th Sep, 2020	90,563,317.45	
19	IPC 19	2 nd Dec. 2020	1 st Nov,2020 to 30 th Nov, 2020	88,324,292.52	
20	IPC 20	17 th Jan 2021	1 st Dec,2020 to 31st Dec, 2020	70,349,421.43	
	nount excluding ation advance t	6		2,692,283,630.22	

Note:

- Revised EOT and VO-4 of the consultant (DSC) has been submitted to the Employer for perusal and timely approval.
- The cost claim has been determined and recommended by DSC and submitted to PIU for further action.
- Surveying works for As Built are in progress.



4. OBJECTIVES AND SCOPE OF WORKS

4.1.OBJECTIVES

The following are the expected physical infrastructure improvement outputs of the project in Biratnagar:

- Drainage and sewerage systems improvement.
- Urban roads and lanes improvement.

Reference to the deliverables identified in the Project, indicates that there are a number of deliverables related specifically to the design aspects of the above infrastructure improvements with construction works.

4.2.SCOPE OF WORKS

The scope of works for consultant's services is fairly detailed in the TOR attached with contract Agreement. The main points are summarized below:

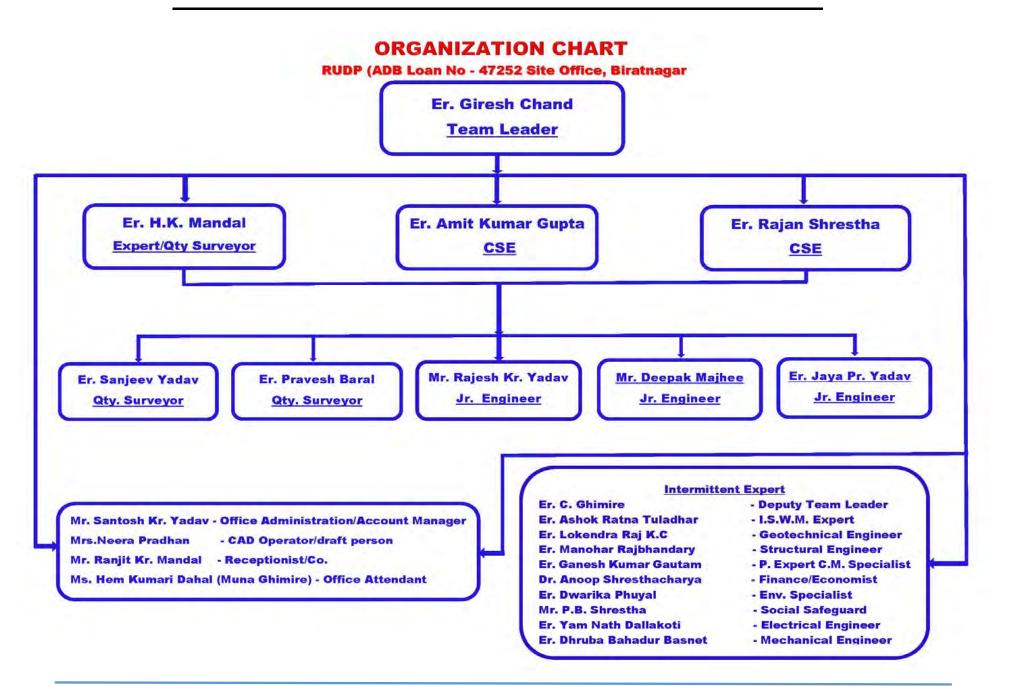
- Monthly progress report and quarterly progress report.
- Semi- annual Environmental monitoring report.
- Semi-annual Safeguard monitoring report.
- Annual progress report including annual Environmental / Social safeguard monitoring report, assets.
- Detailed draft final report for our inputs, including to assist the PIU (Employer), status of all supervision and construction works issues, all deliverables under the contacts.
- Sub project completion report, and summary of all other reports, progress and issues under the project.



4.3.ORGANIZATION AND STAFFING

Attached







4.4.CONSULTANT'S ACTIVITIES IN CONSTRUCTION PHASE

The current staffing of the consultant at project site is as follows:

Table 7: CONSULTANT'S STAFF at Project Site, Biratnagar

SN	Name	Designation	Joining date	Remarks
1	Mr. Giresh Chand	Team Leader	6 th Sep 2017	
2	Mr. Ashok Ratna Tuladhar	ISWM (Designer)	6 th Sep 2017	Intermittent
3	Mr. Dwarika Phuyal	Environmental Safeguard Expert	1 Nov 2017	Intermittent
4	Mr. Prakash Bhakata Shrestha	Social Safeguard Monitoring Expert	26 th dec-2017	Intermittent
5	Mr. Hare Krishna Mandal	Expert/Quantity surveyor	1 st Nov 2017	
6	Mr. Amit Kumar Gupta	Construction Supervision Engineer	1 st March 2018	
7	Mr. Rajan Shrestha	CSE/Quantity Surveyor	7 th Nov 2017	Working as CSE from 1 st May 2019, already resigned which will be effective from 1 st Feb 2021.
8	Mr. Rajesh Kumar Yadav	Junior Engineer-1	6 th Sep 2017	
9	Mr. Sanjeev Yadav	Qty. Surveyor	5 th Nov 2017	
10	Mr. Santosh Kumar Yadav	Office Administration/Account Manager	6 th Sep 2017	
11	Mr. Hem Kumari Dahal (Muna Ghimire)	Office Attendant	6 th Sep 2017	
12	Mr. Ranjit Kumar Mandal	Receptionist	10 th Dec 2017	
13	Mr. Pravesh Baral	Junior Engineer-2	10 th Dec 2017	
14	Mr. J.P Yadav	Junior Engineer-3	1 st March 2018	
15	Mr. Deepak Majhee	Junior Engineer-4	1 st March 2018	
16	Mrs. Neera Pradhan	CAD operator/Draft Person	10 th Dec 2017	
17	Mr. Youb Raj Poudel	Driver	10 th Feb-2019	



The consultant has been constantly supervising the contractor's work in daily basis. The consultant is mainly focusing in construction management, contract administration and the following activities but not limited as listed below:

- i. Daily Construction supervision/Surveying works etc.
- ii. Quality control, cost control and time control
- iii. Measurement and Certification of Interim Payment Certificates (IPC)
- iv. Modification and design of Road side drain, storm drainage and sewer lines, manholes etc. as per site condition and approve working drawings as discussed/advised by employer.
- v. Supervise construction material testing and sampling
- vi. Monitor Environment Management Plan and its compliance
- vii. Monitor Social safeguard and Resettlement Plan and its compliance
- viii. Prepare Due Diligence Report of the Project
- ix. Maintain correspondences with the Employer and the Contractor
- x. Assisting PIU



5. PROGRESS OF SUB – PROJECT COMPONENTS

5.1.CONSTRUCTION MATERIALS

Before using any construction material in the project, as per clause 7.3, engineer gave prior notice to contractor for joint inspection of the construction materials and all materials have been jointly checked and verified. Team leader issued letter to contractor to do the lab test of the construction materials from the authorized organizations and lab reports of the tested materials have been submitted by contractor. Engineer has emphasized on the production of the pre-cast item like (Kerb stone, drain cover slab, etc.) for better work progress of the project. The Contractor has established two production yards at Koshi project and Madhumara camp for pre-cast items like Kerb stone, drain cover slab, sewer precast elements, etc. Only Production at Koshi project yard is going on.

The Contractor has informed to borrow RCC NP-3 pipes from Itahari Hume pipe factory or other location and also requested for three Edge bearing test. It has been tested in presence of consultant TL, PIU and contractor representative, as construction of sewer lines are completed so no more RCC NP-3 pipes needed.

N. d	Target This Month		Achievement This Month		Leading		Lagging		D 1
Month	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulat ed	Remarks
July-18	0.15%	25.17%	0.78%	25.18%	0.63%	0.01%			Leading
August-18	0.15%	25.32%	2.32%	27.50%	2.17%	2.18%			Leading
September-18	5.71%	31.03%	1.22%	28.72%				-2.31%	Lagging
October-18	7.72%	38.75%	2.30%	31.03%				-7.72%	Lagging
November-18	7.72%	46.47%	5.20%	36.22%				-10.25%	Lagging
December-18	7.95%	54.41%	3.40%	39.62%				-14.79%	Lagging
January-19	7.96%	62.37%	5.65%	45.27%				-17.10%	Lagging
February-19	7.96%	70.33%	<u>5.11%</u>	50.38%				-19.95%	Lagging
February-19 (after Revision)	5.33%	50.03%	5.11%	50.38%		0.35%			Leading
March -19	7.75%	57.77%	7.84%	58.21%		0.44%			Leading
April-19	6.82%	64.59%	4.53%	62.74%				-1.85%	Lagging
May-19	6.49%	71.08%	4.54%	67.28%				-3.80%	Lagging
June-19	3.95%	75.03%	2.05%	69.33%				-5.70%	Lagging
July-19	3.90%	78.93%	2.19%	71.52%				-7.41%	Lagging
August-19	4.97%	83.90%	2.01%	73.53%				-10.37%	Lagging
September-19	7.45%	91.35%	4.97%	78.50%	NA	NA	-2.48%	-12.85%	Lagging
October-19	8.56%	99.91%	1.14%	79.64%	NA	NA	-7.42%	-20.27%	Lagging
November-19	0.09%	100.00%	0.33%	79.97%	0.24%	NA	NA	-20.03%	Lagging

5.2. PROGRESS ACHIEVED TILL DATE



Month	Target This Month			ement This Aonth	Leading		Lagging		Remarks
Month	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulat ed	Kemarks
December- 2019 (after Revision-2)	5.00%	72.98%	5.14%	73.12%	0.14%	0.14%	NA	NA	Leading
January-20	6.00%	78.98%	10.62%	83.74%	4.62%	4.76%	NA	NA	Leading
February-20	6.70%	85.68%	1.48%	85.22%	NA	NA	-5.22%	-0.46%	Lagging
March-20	6.80%	92.48%	1.67%	86.89%	NA	NA	-5.13%	-5.59%	Lagging
April-20	7.00%	99.48%	0.00%	86.89%	NA	NA	-7.00%	-12.59%	Lagging
May-20	0.52%	100.00%	0.86%	87.75%	0.34%	NA	NA	-12.25%	Lagging
June-20			1.15%	88.90%					
July-20			0.84%	82.97%					wrt VO-2
August-20			0.14%	83.11%					wrt VO-2
September- 20	5.00%	88.11%	2.94%	86.05%			-2.06%	-2.06%	wrt VO-2
October-20	3.00%	91.11%	1.05%	87.10%			-1.95%	-4.01%	Wrt VO-2
November-20	5.82%	96.93%	1.59%	88.69%			-4.23%	-8.24%	Wrt VO-2
December-20	3.07%	100.00%	3.04%	91.73%			-0.03%	-8.27%	Wrt VO-2
January - 21	5.17%	96.90%	5.18%	96.91%	0.01%	0.01%			Wrt VO-3

5.3.KEYEVENTS

The consultant has noted the following key dates for this month.

Table 8: KEY DATES of EVENTS / ACTIVITIES

S. No.	Date	Activities/Events	Remarks
1		As usual frequent site visit from the employer & PIU's representatives.	
2		As usual conferred about the awareness and training on COVID-19, regarding maintain physical distancing, frequently hand washing, use of PPE (masks, gloves, etc.). Monitoring compliances of PPE's during Pandemic due to COVID-19.	
3		The cost claim has been determined and recommended by DSC for further action to PIU.	
4		Revised EOT and VO-4 of the consultant (DSC) has been submitted to the Employer for perusal and timely approval.	
5	5 th Jan 2021	Chaired meeting at DSC, TL Office, Biratnagar	
6	13 th Jan 2021	VO-3 & EOT-4 of works have been approved.	



6. DETAILS OF PRE CAST ACTIVITIES

Physical Progress till date										
				Progress						
S.N.	Description	Unit	BoQ	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks			
1	Precast Slab	No		96,051.00	1050.00	97,101.00	Under progress			
2	Kerb Stone	Rm	127,247.02	102,290.80	2000.00	104,290.80	81.95%			

Table 9: PHYSICAL PROGRESS in PRODUCTION OF PRECAST ITEMS till date,

Table 10: PHYSICAL PROGRESS in PRODUCTION/PURCHASE OF RCC Hume Pipe at Itahari till date,

	Physical Progress till date										
				Progress							
S.N.	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks				
1	RCC Pipe	300	336.00	336.00	-	336.00					
2	RCC Pipe	450	681.00	681.00	-	681.00					
3	RCC Pipe	500	842.00	842.00	_	842.00					
4	RCC Pipe	600	382.00	382.00	_	382.00					

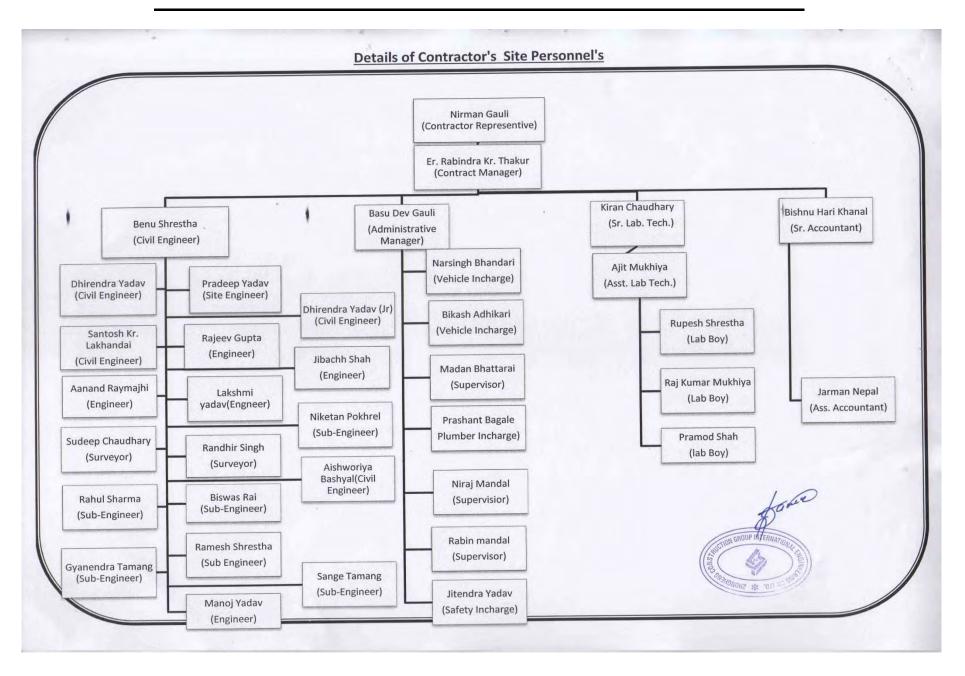


Physical Progress till date							
				Progi	ress		
S.N. Description		Diameter (mm)	BoQ (RM)	Up to Previous Month (RM.)		Total to Date (RM.)	Remarks
1	HDPE Pipe	110.00	1,987.20	4,487.20	-	4,487.20	
2	HDPE Pipe	200.00	16,656.00	16,500.00	-	16,500.00	
3	HDPE Pipe	250.00	115.00	450.00	-	450.00	

Table 12: PHYSICAL PROGRESS in PRODUCTION/PURCHASE OF UPVC Pipe till date.

Physical Progress till date							
				Progress			
S.N.	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM)	This Month (Rm.)	Total to Date (RM.)	Remarks
1	UPVC Pipe	160.00	5,050.00	5,050.00		5,050.00	
2	UPVC Pipe	110.00	5,050.00	5,050.00		5,050.00	







7. CONTRACTOR'S MANPOWER

Table 13: CONTRACTOR'S KEY STAFFS.

S.No.	Position	Minimum Number Required as per Contract	ZHONGHENG CONSTRUCTION Group	Remarks
1	Project/Contract Manager (1 No) 15/10 Yrs. (Total/Similar Exp.)	1	1	
2	Civil Engineer-10/6	2	2	
3	Sanitary Engineer- (1no.)-12/8	1	-	
4	Road Engineer-(1no.)-12/8	1	1	
5	Electromechanical Engineer-(1no)- 10/5	1	-	
6	Safety Engineer	-	1	
7	Site Engineer	-	4	
8	Sub- Engineer	-	3	
9	Accountant	-	2	
10	Senior Lab Technician	-	1	
11	Lab Technician		2	
12	Store Keeper	-	1	
13	Vehicle In charge	-	1	
14	Skilled Labors		89	
15	Unskilled Labors		208	



8. CONTRACTOR'S EQUIPMENT

Table 14: CONTRACTOR'S EQUIPMENT

S.No.	Equipment Type and Characteristics	Min Number required as per Contract	ZHONGHENG CONSTRUCTI ON Group	Remarks
1	Excavator (200 above)	5	0	Backhoe loader - 4Nos.
2	Crane (10 ton capacity)	3	1	
3	Asphalt plant of adequate capacity	1	1	
4	Asphalt pavers	1	1	
5	Vibrating roller	2	2	
6	Pneumatic tyre roller 8 to 10 ton	2	1	
7	Smooth wheeled roller 8 to 10 ton	1	2	
8	Grader	1	2	
9	Track Dozer (120 to 180 HP)	1	-	
10	Bitumen distributor (4 to 6 Kilo Liters)	1	1	
11	Water browser (minimum 5000 Liters)	3	6	
12	Chips spreader	1	-	
13	Bitumen decanter minimum 4000 Liters. (preheating container)	2	2	
	Air compressor	2	2	
14	Tipping Trucks	5	1	Tipper-4
15	Service vehicle	15	3	Tractor = 12 Nos.



S.No.	Equipment Type and Characteristics	Min Number required as per Contract	ZHONGHENG CONSTRUCTI ON Group	Remarks
16	Survey equipment (Total station with accessories)	2		
17	Theodolite	1	-	
18	Levelling	2	5	
19	Mobile Generator 15-20 KVA	5	6	
20	Mixer Machine	3	5	
21	Concrete Batching Plant	1	-	
22	Concrete pump	1	-	
23	Drain cleaner/ Nala cleaner	2	-	
24	Broomer	-	2	
25	Motor Bike	-	12	
26	Plate Compactor	-	5	
27	Water Pump	_	2	

9. WORK PLAN FOR THE NEXT MONTH

Following are the Contractor's works in the next month program.

- Detail Surveying works at various Road sections.
- Road works
- Precast elements production works at contractor's yard.
- Road Side drain maintenance work
- Laying of Kerb Stone, cover slab and interlocking tiles.
- Painting work
- Placement of House Connection works.
- Relocation of electric poles and water supply works.
- Repair & Maintenance works, etc.

Note:

- The contractor claimed for cost pursuant to relevant clauses of the contract which are perused, recommended and submitted to PIU for further action.
- As built drawings surveying work are in progress.



ANNEX-1: Photographs of January 2021





Brooming work at Barganchhi to Durga chowk



Road closure information



<u>Regional Urban Development Project (RUDP)</u>



Brooming at R109



Water sprinkling at R10



<u>Regional Urban Development Project (RUDP)</u>

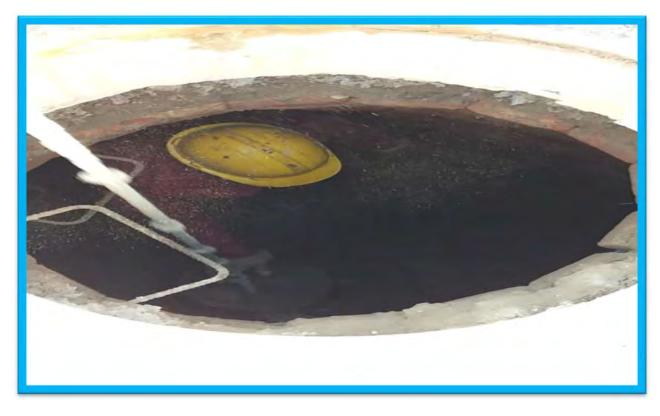


A view of Barganchhi to Pani Tanki road



A view of Ghogha Paini road





Manhole cleansing work



Interlock work at Devkota chowk East



<u>Regional Urban Development Project (RUDP)</u>



Interlock work at Devkota chowk



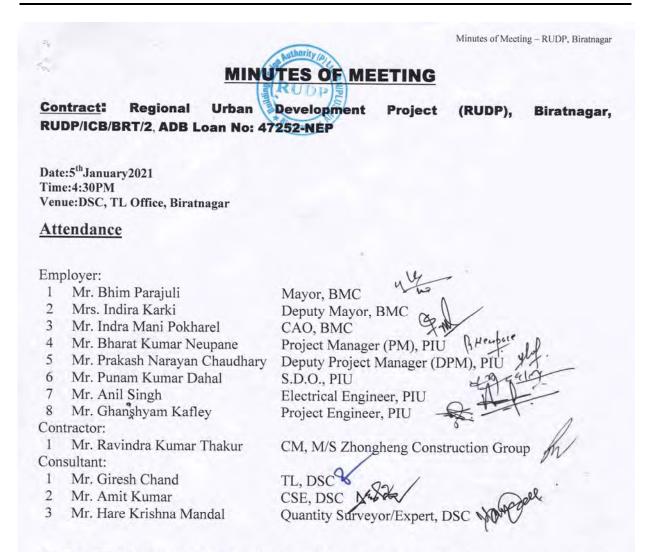
Soling work for culvert at Keshaliya Road



<u>Regional Urban Development Project (RUDP)</u>

ANNEX-2: Minutes of Meeting January 2021





TL, Mr. Giresh Chand welcomed all the participants in the meeting. Following matters were discussed and decided:

S. NO.	Minutes	Action by
1	TL, Mr Chand briefed about present progress and status of the RUDP Project, as stated below till the end of December 2020:-	The employer contractor &
	Physical Progress =91.73% Financial progress = 87.74% excluding PA.	consultant
	Component wise progresses are-	/
	Road Rehabilitation (Asphalt) = 91.91% Sewer Line = 100%	
	Sewer Line = 100% Storm Drain = 100% Road Side Drain = 99.80% ;	, t
	TL, Mr Chand informed that Extension of Time for civil works, all documents for 45 days have been sent for approval as discussed with PCO/PMC and PIU. Mr Chand also said about ADB Mission	



<u>Regional Urban Development Project (RUDP)</u>

S. NO.	Minutes	Action by
	virtual meeting and informed _{us} that everyone from upper management level has appreciated for our presentation, progresses, report's submitted (like Monthly Progress report, Quarterly progress report semi annual reports and annual progress report, etc.), revealed satisfaction on proper implementation of SoP, occupational health & safety, Environment & social safeguards and admired for good co- ordination among 3's Parties (BMC/PIU, DSC & the Contractor).	
2	 TL, Mr Chand emphasized that as physical works under RUDP are almost completed so that as minuted earlier to perform internal VO to arrange the plus minus in BOQ quantities within the ceiling of approved amount. After internal VO, it has been observed/noted that some amount will be balanced due to curtailed appxi 1.5 km road and sewer line etc. Therefore TL, Mr Chand proposed few lanes/routes which are still untouched/incompleted but very essential to minimise the traffic regulation so that accumulated amount may utilise to upgrade the below mentioned roads. a) Tapariya Eye Hospital towards east b) R14 c) Nava Jyoti Marga d) R122 e) DUDBC to S9 (Pipal chowk) f) Culverts (Keshaliya road canal culvert either side to match with carriage way) g) Keshaliya road towards north approaches to BFM h) S13 i) Ghogha Paini towards north j) Haat Kholq to north till Pipal chowk k) Nepal Rastra Bank to east – Haatkhola chowk, etc. 	The employer, contractor & consultant
	 After extensive discussion, Mayor, Deputy Mayor, CAO and PM decided to execute at least the works stated below: a) Banjara chowk east (Tapariya Eye Hospital towards east) about 130m in length drain to drain Asphalt work, b) R14 to gravelling with either side earthen drain about 550m in length, Artfleastreet c) Nava Jyoti Marga about 165m in length drain to drain, Asphalt work, d) R122 about 220m in length5.5m wirth, Asphalt (no drain) e) DUDBC east 150m in length up to S9 (Pipal chowk), Asphalt work f)Culvert (Keshaliya road canal culvert either side to match with carriage way) g) S13 to gravelling about 210m in length, wirth 5.5 m h) Ghogha Paini towards north about 260m in length; wirth 7.0 m Asphalt/work. 	bur A



S. NO.	Minutes	Action by
	Further if ceiling amount allow then also include Nepal Rastra Bank to east – Haatkhola chowk of length about 200.0 m. As far as footpath is concerned, all parties decided and agreed to place interlock in market area as well as dense urbanized areas and exact location will be further exercise/trace as necessary as per site condition jointly by PIU/DSC.	
	At B2 stretch (DPS Road), available more cultivable land either sides rather than the buildings so it is decided to place slab cover over existing drain just in front of the houses which will be economical too & help to cover the execution of above decided proposal.	
3	TL, Mr Chand informed that almost the water supply works under provisional items (100% funded by BMC) are completed but the quantities need to review wrt to approved VO because at the either ends to make connection with existing supply &to match with dia. of pipes with existing supply pipe lines, few modifications have to be made. The Employer after discussion, agreed & decided to review the quantities as per requirement/site and instructed submit to PIU for approval & further action.	The employer & Consultant
4	TL, Mr Chand also queried about the status of land for Integrated Solid Waste Management (ISWM), as BMC committed to arrange before the end of December 2020 but till date no further progress has been achieved. Mayor, Mr. Parajuli informed that purchase/acquisition of land for ISWM is under progress and soon BMC will acquire it.	The employer & Consultant
5	TL, Mr Chand informed that as per observation/ site condition House Connection Chamber (HCC) may reduce wrt the original scope. Also added that till date 2658 Nos. have been placed, about 397 Nos. still need to place at different location and as agreed earlier to place the HCC at some location under STIUEIP which now agreed by House owners are about 145 in Nos. as per PIU record, in total will be 3200 Nos. All the parties agreed and decided to place not more than 3200 Nos. (HCC) in total instead of BoQ quantity. and also agreed that no further installation of HCC (extra) shall entertain from PIU.	The employer, contractor & consultant
5	CM, Mr. Thakur raised the issues of payments pertaining to settlement of road due to existing old water supply pipes, stolen CI cover of sewer lines and drain top cover slabs other than RUDP. All the parties agreed and decided to pay after fair determination of fact.	The employer, contractor & consultant



S. NO.	Minutes	Action by
	A DI S	
5	Discussion has been made about the estimated funds allocated in Resettlement plan (RP) regarding the reinstatement of Public assets like temples, fencing & boundary walls, etc. Then Mr Parajuli, Mayor said that the works which mentioned in RP under RUDP have been already completed by different stakeholders on initiative of Biratnagar Metropolitan City (BMC) & the funds to do so are also arranged by BMC so no need to refund the above fund to BMC by the Project. At last, Mayor, Deputy Mayor and CAO appreciated the contribution of everyone & encouraged everyone and emphasized to complete the project on time with quality.	The employer
2	W as all that and the	

Page 4 of Pages 4



ANNEX-3: Laboratory Test Results of January 2021



						Mor Ye			nuary 2021
-			Location:-T1L8E			Typ	e of	-	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	
1	RUDP-SG-01	T1L8B,(0+130)	Existing Road	18-Jan-21	1.951	8.00	6.54	8.10	
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	endra yadav		Rabindra Kr. Thakur	Qty Engineer/CSE	hrestha		Team L Giresh		



	·	DNAL U	Biratna Contract	gar M t No:- R	etropolit: UDP/ICB/	an City /BRT-02	IFRU	JECI	
			Summar	y Sheet	of Field Densi	ity Test	Month	Janu	ISTY
			Loca	tion:-T1	ISB		Year	203	21
			Loca		e content %	Densit	ype of Material y(gm/cc)	Sub-G Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction	Specifie %
1	RUDP-SG-FD-1, L/S		0+150	8.00	6.99	1.951	1.858	% 95.25	95
2	RUDP-SG-FD-1, R/S		0+210	8.00	6.46	1.951	1.877	96.22	95
3	RUDP-SG-FD-1, L/S	20-Jan-21	0+260	8.00	6.23	1.951	1.864	95.56	95
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						Mon			nuary 2021
			Location:-N-15			Typ Mate	e of		grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
-	RUDP-SG-01	N-15,(0+030)	Existing Road	15-Jan-21	1.962	7.85	8.22	7.98	
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		19		<u>Franciska</u> inden vajan o	nesula		Giresh	Chand	



		1	Contract	t No:- R	etropolits UDP/ICB/ of Field Densi	BRT-02			
						E	Month	Janu	
			Loc	ation:-N	-15	1	Year ype of Material	202 Sub-G	
	*			Moistur	e content %	Densit	y(gm/cc)	Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density gm/cc	density,	Compaction	Specifi %
1	RUDP-SG-FD-1, L/S	17-Jan-21	0+020	7.85	6.50	1.962	gm/cc 1.891	% 96.40	95
2	RUDP-SG-FD-1, R/S	17-Jan-21	0+050	7.85	5.97	1.962	1.877	95.66	95
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_				- maxui [P	nn. mandal/Rajar	onrestha		Giresh Chand	



	REC	B	Contract No:- F	EVELOPM etropolitan Ci EUDP/ICB/BRT Monthly Test Repo	ity -02	PRC)JE	СТ	
			Locati	on:-R-10		Mor Ye Type	ar e of	1	nuary 2021
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	Mate	PI%	CBR%	grade
1	RUDP-S-01	R-10,(0+090)	Existing Road	19-Jan-21	2.002	8.05	5.50	6.40	Keinar
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				Moistu	re content %	Densit	ype of Material (gm/cc)	Sub-g Compac	rade
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry	Field Dry density, gm/cc	Compaction	Specifie %
1	RUDP-SG-FD-1	21-Jan-21	0+060	8.05	6.41	2.002	1.922	% 96.02	95
2	RUDP-SG-FD-1	21-Jan-21	0+100	8.05	6.24	2.002	1.922	96.02	95
3	RUDP-SG-FD-1	21-Jan-21	0+150	8.05	7.18	2.002	1.955	97.64	
4	RUDP-SG-FD-1	21-Jan-21	0+190	8.05	6.15	2.002	1.955		95
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D	and a solution	R	abindra Th	akur	I.K. Mandal/Ra	jan Shrestha	G	iresh Chand	



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Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-S-01	R-12,(0+080)	Existing Road	23-Jan-21	1.960	7.65	6.27	6.18	
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			Lou		re content %	Density	pe of Material (gm/cc)	Sub-G Compac	
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specifie %
1	RUDP-SG-FD-1	25-Jan-21	0+060	7.65	6.07	1.960	1.871	95.48	95
2	RUDP-SG-FD-1	25-Jan-21	0+120	7.65	5.46	1.960	1.898	96.83 /	95
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	RUDP-SG-01	T1L14C,(0+040)	Existing Road	23-Jan-21	1.954	8.40	7.32	8.18	
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1	RUDP-SG-FD-1, R/S	25-Jan-21	0+020	8.40	6.50	1.954		96.08	95
2	RUDP-SG-FD-1, L/S	25-Jan-21	0+055	8.40	6.79	1.954	1.862	95.31	95
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-			Location:-R-14	-		Mate		Sub	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-SG-01	R-14,(0+100)	Existing Road	24-Jan-21	1.949	8.30	6.48	7.00	
2	RUDP-SG-02	R-14,(0+400)	Existing Road	25-Jan-21	2.010	8.40	5.92	7.14	
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		GINEERING CO. L	P INTERNATIONAL FD	PLUS ENG	INEERS	& ARCH	HITEC	rs (P) L'	rD,
-				O.l.	(*8)	ratnagal *	9		/
	1 -		1	1 may			~	/	
15	State of the second sec		171	1010			(K	
	hecked By		Submitted By	Verified By				ved By	
	Engineer rendra yadav		Contract Manager Rabindra Kr. Thakur	Expert Qty Surveyo			Team I	Leader	
	cildia yadav		Rabindra Ri. Thakur	IT.K. WanuarRajan	Shresula		Giresi	Chang	



	REG	IONAL	Biratn: Contrac	agar M ct No:- I	EVELO Ietropolit RUDP/ICB	an City /BRT-02		JECT	
						F	Month Year		uary
_			Loca	ation:-R-			Type of Material)21 Grade
				Moistur	re content %	Densi Max.Dry	ty(gm/cc)	Compa	ction %
Sn,	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%		Field Dry density, gm/cc	Compaction %	Specifie %
1	RUDP-SG-FD-1, L/S		0+050	8.30	7.51	1.949	1.854	95.12	95
2	RUDP-SG-FD-1, R/S		0+090	8.30	8.04	1.949	1.871	96.00	95
3	RUDP-SG-FD-1, L/S		0+140	8.30	7.72	1.949	1.865	95.67	95
4	RUDP-SG-FD-1, R/S		0+180	8.30	7.44	1.949	1.880	96.46	95
5	RUDP-SG-FD-1, R/S RUDP-SG-FD-1, L/S		0+220	8.30	7.14	1.949	1.866	95.75	95
7	RUDP-SG-FD-1, L/S	27-Jan-21 27-Jan-21	0+290	8.40	7.31	2.010	1.942	96.61	95
8	RUDP-SG-FD-1, L/S		0+340 0+390	8.40 8.40	6.70 6.88	2.010	1.946	96.82	95
9	RUDP-SG-FD-1, L/S	27-Jan-21 27-Jan-21	0+390	8.40	7.51	2.010	1.926	95.84	95
10	RUDP-SG-FD-1, R/S	27-Jan-21	0+430	8.40	8.04	2.010	1.933 1.934	96.18	95
K			5.500	0.10	0.04	2.010	1.934	90.25	95
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ZH	ONGHENG CONSTRUCT	- deline	TERNATI	ONAL	WITH B.N. C	ONSULTA	NCY PVT. LTD	LTD IN JOINT	GINEERS /
_	Constanting of the second	A REAL COLLIN ME	/		AR	CHITECTS	(P) LTD, KATI	HMANDU, NEP	AL
	-141	*	1		Nang	ex		/	
	A starter		in land		Cl			00	
-	Checked By		Submitte	d By	Verified 1	By		Approved By	
	Engineer Dhirendra yadav		Contract M	anager E	xpert Qty Surve H.K. Mandal/Raj	avor/CSE		Team Leader	
-			tabinara Nr.	Thakur I		an Shrestha	G	iresh Chand	



						Mor Yes Type	ar		nuary 2021
		Leasting (CL)	Location:-Gh	oghapaini-2	-	Mate		Sul	grade
-	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remar
	RUDP-SG-01	Ghoghapaini-2,(0+100)	Existing Road	25-Jan-21	1.820	8.20	7.38	7.02	
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		Contractor			Co	nsultar	nt		-
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ZHON			D	Nontrel	121		a	_	
Chec	hed By gineer			Kerver Verified By Expert Qty Survey	ind * str.		A	pproved ream Lea	i By



			Summa		UDP/ICB				
						F	Month Year	Janu 20	
			Location	:-Ghogha			Type of Material	Sub-C	Frade
	111011				e content %	Max.Dr	ity(gm/cc) y Field Dry	Compa	ction %
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%			Compaction %	Specified %
1	RUDP-SG:FD-1, R/S		0+050	8.20	6.98	1.820	1.731	95.10	95
2	RUDP-SG-FD-1, C/L		0+120	8.20	5.17	1.820	1.750	96.13	95
3	RUDP-SG-FD-1, L/S	and the second se	0+150	8.20	6.17	1.820	1.745	95.87	95
4 5	RUDP-SG-FD-1, C/L RUDP-SG-FD-1, R/S		0+180	8.20	6.45 7.03	1.820	1.766	97.02	95
2	KUDI-50-FD-1, K/S	27-Jan-21	0+210	8.20	7.03	1.820	1.760	96.71	95
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ZH	ONGHENG CONSTRUC	TION GROUP	INTERNAT	FIONAL	WITH B.N. C	ONSULTA	UTHORITY (P) ANCY EVT. LTB S (P) LTD, KATI	AND PLUS EN	GINEERS .
	olu		1	2	stort	pr'	* Biratung		
	Checked By		Submit	ted By	Verified	By			
	Engineer		Contract	Manager	Expert Qty Sun	veyor/CSE		Approved By Team Leader	
	Dhirendra Yadav		Rabindra I	Kr. Thakur	H.K. Mandal/Raj	jan Shrestha		Giresh Chand	



				Monthly Test Repor	<u>.</u>	Mor Ye Typ	ar		nuary 2021
Sn.	Lab Pafas	Location/Chainage		on:-S-13	1	Mate		Sub	grade
5h. 1	Lab.Ref no. RUDP-S-01		Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
5	KODF-3-01	S-13,(0+120)	Existing Road	27-Jan-21	1.780	12.60	9.82	7.15	
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HON	GHENG CONS	FRUCTION GROUP	INTERNATIONAL	PLUS ENG	IGN AUT	NSULTA ARCHI	NCY P TECTS	VT. LT	DAND
E	Necked By Engineer endra Yadav	Contraction of the second	Submitted By Contract Manager Rabindra Thakur	Verified By Expert Qty Surveyo Mandal/Rajan Shree	r/CSE		AI	oproved eam Lea resh Ch	By der



					Metropoli RUDP/ICI et of Field Den				
						-	Month Year	Janu 201	
-		-	Lo	cation:-S		Ту	pe of Material	Sub-g	grade
					re content %	Density Max.Dry	1	Compac	ction %
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	density gm/cc	Field Dry density, gm/cc	Compaction %	Specifie %
1	RUDP-SG-FD-1	29-Jan-21	0+060	12.60	6.41	1.780	1.713	96.26	95
2	RUDP-SG-FD-1	29-Jan-21	0+100	12.60	7.38	1.780	1.729	97.11	95
3	RUDP-SG-FD-1	29-Jan-21	0+150	12.60	7.18	1.780	1.717	96.45	95
4	RUDP-SG-FD-1	29-Jan-21	0+190	12.60	6.15	1.780	1.707	95.92/	95
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inon	ENGINER ENGINER	TION GROUP	INTERNA	FIONAL	WITH B.N. CC ARC	NSULTANCY HITECTS (P)	PVT, LTD A	ED IN JOINT V ND PLUS ENG FANDU, NEPAI	INEERS &
		Constant of	/		A	pl. 10	ratnagat * N		
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	CM		ha		AND .			¥	
-	Checked By		ubmitted I		Verifie	d By		Approved By	
D	Engineer hirendra Yadav		Contract Ma Rabindra Ti		Expert Qty Su	rveyor/CSE		Team Leader	
DI	monute raudy	F	abindra 1	nakur	H.K. Mandal/Ra	ajan Shrestha	(Biresh Chand	



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	January	Sub-hase	Remarke											BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHIFECTS (P) LTD IN MANDU, NEPAL			1		
			CBR%	51.00								>30		ATHMAN.		4	Approved By	Tcam Leader Giresh Chand	
	Month: Year	Type of Material	OMC PI%	5.60 1.07		+		+				<6	1000	TURE W	205	JIL *	Approve	Tcan Gires	
			MDD 0	2.220 5									ALC: NO	INT VEN	1	VIN * refiering			
				c/U.U 10.23								4~15	Concutant	D IN JO	84				
5			Weight	17.81	1							100 65-95 50-85 40-75 30-60 20-45 15-37 4-15		IY (P) LI				stha	
SRT-0 Report			ssing % By W	-								60 20-4		THORIT S ENGL			d By	an Shre	
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		AIS	mm / pass	_						+		-75 30-		HGN AU	R	P	Verified By	. Mandal/Rajan Shrest	
RUDP		-T3L	Sieve Size in mm / passing % By Weight									50-85 40		ING DES		Day	A.	H.K. Mandal/Rajan Shrestha	
Contract No:- RUDP/ICB/BRT-0 Summary Sheet of Monthly Test Report		Location :-T3L21A	Sieve 37.5	-								65-95		BUILD			"	-	
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Loca	ng 63.0	100													:-	kur	
O vi			Date of Testing	4-Jan-21								Spec. Limit :		IATIONAL	4	N	Submitted By Contract Manager	Rabindra Kr. Thakur	
		1		Khola	T	T			T					LTD			Su	Rabin	
			Source of Sample	Chisang Khola									ctor	GROUT	104. 24				
			Location of Sample	T3L21A,(0+100)									Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD					
		-	Lab.Ref no.	RUDP-SB-01				-			-			NGHENG		1	b	dav	
		L	Sn. Lab.F	RUDP										ZHOI		A	Checked By Engineer	Dhirendra Yadav	



			Summary	Sheet of	Field Densit	tv Test	M. a		
						ł	Month Year		anuary 2021
_			Locati	ion:-T31	L21A		Type of Material		ub-Base
Sn.	Lab.Ref.no	Tet De	CI .	Moistur	e content %	Dens	ity(gm/cc)		paction %
511.	Lau.Kei.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density		Compac	
1	RUDP-SB-FD-1, L/S	5-Jan-21	0+080	5.60	4.31	2.220	density, 2.129	tion 95.92	% 95
2	RUDP-SB-FD-1, R/S	5-Jan-21	0+130	5.60	3.70	2.220	2.139	96.37/	95
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-	Contract	or	-			Con	sultant	-	
	THONGTON	*		BUILDIN	G DESIGN A	UTHORE	P) LTD IN H	INTAR	EUDE DO
IN	ZHONGHENG CONSTRUCTIONAL ENGIN	CCHON GRO	UP	B.N.	CONSULTA	NCY PVT.	LTD AND PLU	S ENGINE	ERS &
		1.000.	un l		ARCHITE	CTS (P) LT	D, KATHMANI	U, NEPAL	
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		Submitted By			Verified By			Approved	
Engin		ontract Manager bindra Kr. Thaku	-		Qty Surveyor/ ndal/Rajan Sh			Team Lead	
ent	Kat	mara KI. I naku		TLK, Ma	ioai/Rajan Sh	restna		Giresh Cha	ind

Size Data Weight MDD OMC PP6 CBR% 37.5 20.0 10.0 5.0 2.36 1.18 0.075 MDD OMC PP6 CBR% 44.84 69.53 \$2.01 42.78 35.05 20.05 7.65 2.225 5.65 1.43 47.10				4~15 <6 >30	dant	BUILDING DESIGN AUTHORITY (P) LTD IN JOINT WENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTE (P) LTD, KATHMANDU, NEPAL	Approved By Team Leader Giresh Chand
t 0.075 MDD				9>	hlant	THENTURE WIT	Appre
t 0.075 MDD					Itant	CLENTUL CLENTUL	
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: 0.075 5 7.65				15		DIN	S JII
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0 5.0 2.36 1 42.78 35.05				15~37	13	((P) L)	
0 5.0 10 42.78				20-45		IORITY	/CSE
0 10				65-95 50-85 40-75 30-60 20-45 15-37		NAUTH PLUS	Werfiled By Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
10.0 52.01				40-75		DESIG	Verified By opert Qty Surve
20.0 10.0 69.53 52.01				50-85		DING	H.K.
				65-95	Ц	BUIL	
_				: 100			 ger kur
Date of Testing 21-Jan-21			-	Spec. Limit		RNATIONAL	Submitted By Contract Manager Rabindra Kr. Thakur
Source of Sample Chisang Khola					ractor	ON GROUP INTE	Rado :
Location of Sample N-15,(0+030)					Cont	G CONSTRUCTI	
Lab.Ref no. RUDP-SB-01						ZHONGHEN	Checked By Engineer Dhirendra yadav
Location of	Sample Source of Sample Date of Testing 63.0 N-15.(0+030) Chisang Khola 21-Jan-21 100	Sample Source of Sample Date of Testing 63.0 N-15,(0+030) Chisang Khola 21-Jan-21 100	Sample Source of Sample Date of Testing 63.0 N-15,(0+030) Chisang Khola 21-Jan-21 100	Sample Source of Sample Date of Testing 63.0 N-15,(0+030) Chisang Khola 21-Jan-21 100 100 21-Jan-21 100 100 100<	Sample Source of Sample Date of Testing. 63.0 N-15,(0+030) Chisang Khola 21-Jan-21 100 No State State 100 No State State 100	Sample Source of Sample Date of Testing 63.0 N-15,(0+030) Chisang Khola 21-Jan-21 100 	Sample Source of Sample Bate of Testing 63.0 N-15,(0+030) Chisang Khola 21-Jan-21 100



			Sumi	nary Sne	et of Field Der	isity Test	Month	Jan	uary
			Loca	ation:-l	N-15	-	Year Type of Material		21 Base
					re content %	Densi	ty(gm/cc)		ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specified %
1	RUDP-SB-FD-1	22-Jan-21	0+020	5.65	4.59	2.225	2.121	95.32	95
2	RUDP-SB-FD-1	22-Jan-21	0+050	5.65	3.33	2.225	2,194	98.61	95
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	ZHONGHENG CONS	TRUCTION GR		BUILDI CONSULT	NG DESIGN A FANCY PVT. 1	UTHORITY .TD AND PL	(P) LTD IN JO	INT VENTURI RS & ARCHITE L	E WITH B.N. ECTS (P) LTI
8	2 Martin	0		and and	Alark -		agar a 18	90	1
En	ecked By gineer ndra yadav	Submitte Contract Ma Rabindra Kr.	anager		ed By Surveyor/CSE dal/Rajan Shree	stha		Approved E Team Leade Giresh Char	r



January 2021	Sub-base	Remarks								BUILDING DESIGN AUTHORITY (P. LTD-IN JOINE YENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		
	T	CBR%	47.80				00	0.00		TH B.N.	~	Approved By Team Leader Giresh Chand
ur of	rial	%Id	1.57					0		RE WI TD, K	4	Approv Tcam L Giresh (
Month: Year Type of	Mate	OMC	5.50							ENTU Severu		
		MDD	2.220						utant	DOINF	A MARINE	
		0.075	7.16				1 15	CI~+	Consultant	ARC & ARC	A NE STATE	
	eioht		17.72				nc 21	1/6-01		V (P) C	and a	stha
port	6 Bv We	2.36	27.11	1			21.00	Ct07		IORIT		By syor/CS Shres
lest Re	assing 9	5.0	32.48				07.01	00-00		PLUST	7	Verified By bert Qty Surveyo landal/Rajan S
T this	d/mm	20.0 10.0	57.81				30.04	c/~0+		D AND	- DO	Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
of Mo	OR :- L 3 L.I.I.F Sieve Size in mm / nassing % Bv Weight	20.0	71.69				FC 21 21 OC 07 UE 22 OF 26 OS 20 27	C0~0C		DING I	04	H.K.I
v Sheet	Sieve		89.90				20 27	06-00		BUIL		
Summary Sheet of Monthly Test Report	LOCATION :-13L11F	63.0	100				100	100				er aur
- N		Date of Testing	26-Jan-21				Snae Limit .	- 1000		GRNATIONAL	Ø	Submitted By Contract Manager Rabindra Kr. Thakur
		Source of Sample	Chisang Khola						Contractor 200	ON GROUPINI NG CO. LTD		Co So
		Sample S	T3L11F,(0+050)						Conti	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD		
		Lab.Ref no.	RUDP-SB-01							ZHONGHEN	- MC	Checked By Engineer Dhirendra Yadav





			241111	ay bitter	of Field Dens	F	Month	Jan	
					1112	-	Year	20	
-	-	-	Locat	ion:-T3	e content %		Type of Material ty(gm/cc)		Base ction %
in.	Lab.Ref.no	Testing Date	Chainage		Field MC%	Max.Dry	1	Compaction	
				Olvic 70		density	density,	%	%
1	RUDP-SB-FD-1, L/S RUDP-SB-FD-1, R/S	27-Jan-21 27-Jan-21	0+040	5.50	4.70	2.220	2.158	97.21	95
2	KUDP-5B-FD-1, K/5	Z/-Jan-ZI	0+000	5.50	5.10	2.220	2.123	95.62	95
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	ZHONGHENG CONST	RUCTION GRO	OUP	BUILDIN	NG DESIGN A	UTHORIT	Y (P) LITD IN J D PLUS ENGIN	OINT VENTUR	E WITH B.N.
	INTERNATIONAL ENGI	NEERING CO.	LTD	CONSC	DIANCITY	LTD, KA	THMANDU, NE	EPAL ARCH	intects(r)
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Ch	ecked By	Submitted By			Verified By			Approved E	By
Eng	gineer	Contract Manage			rt Qty Surveyor			Team Leade	T
	ndra Yadav R	abindra Kr. Thak	ur	H.k. M	landal/Rajan Sh	nrestha		Giresh Chan	d



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	January	Sub-base		Remarks														BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECUSTIC) LTD, KATHMANDU, NEPAL			1	~.
				CBR%	50.40										>30			ITH B.N.		4	5	Approved By Team Leader
	Month: Year	Type of Material	-	C PI%	1.31	1.21									<6			URE W			-	Teau
	W	T		OMC	5.75				_	_						,	ait	- PARA	and a			
			L	MDD	2.218											(Consultant	CHITE		* VIL SIL		
1				0.075	5 8.61	9.59	-								7 4~15	1	Con	LTD IN	1 and	*/		
			Weight	6 1.18	5 16.25	8 18.17				-					5 15-37		1	TY (P)	1			CSE
RT-00			ng % By	0 2.36	73 24.65	61 25.58	-			+	$\left \right $	-	-	-	60 20-4			THORI S ENG				Expert Qty Surveyor/CSE Mandal/Paian Shroot
CB/B CB/B			n / passi	10.0 5.0	51.63 33.73	52.21 33.61	+	-	-	+		-			-75 30-			IGN AU	to	T		t Qty Su
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location :-N-39	Sieve Size in mm / passing % By Weight	20.0 1	65.88 51	63.09 52	+	H		+					-85 40			G DES	(3h	the second	Expert Qty Surveyor/CSE H K Mandal/Paian Shrootha
r Me o:- Rl		tion :	Sieve Si	37.5 2		89.21 6	-	Ħ							5-95 50			UILDIN PVT.			"	Т
naga act N		Locat		63.0	100 9	-	+	H		-	+				100 65		H	8	+	-		-
Birat Conti Sumn			Data of Tanting	_		5-Jan-21									Spec. Limit: 100 65-95 50-85 40-75 30-60 20-45 15-37			TIONAL		0	- M	Contract Manager Rahindra Kr. Thabur
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Course of Counts	adure to annoe	Chisang Khola	Chisang Khola											Contractor -	N GROUP INTER	CHINA CARLIE MITCHAN		1.9	Col
			Location of	Sample	N-39,(0+070)	N-39,(0+070)											Contr	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD	X			
		ł	ef no		SB-01	SB-01				1	+		-	+				NGHEN		1		ndav
			Lab.Ref no	-	RUDP-SB-01	RUDP-SB-01												ZHO		-le	Checked By	Engineer Dhirendra Yadav
			Sn.		-	-					1										1/3	Er



						F	Month		uary
			Loca	tion:-N	-39	+	Year Type of Material		21
				Moistur	e content %		ity(gm/cc)		Base ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr		Compaction	Specified
1	RUDP-SB-FD-1, L/S	6-Jan-21	0+040		3.44	density		%	%
2	RUDP-SB-FD-1, R/S	6-Jan-21	0+040	5.75 5.75	5.04	2.218	2.141 2.170	96.54 97.85	95 95
3	RUDP-SB-FD-1, L/S	6-Jan-21	0+180	5.75	3.61	2.218	2.124	95.75	95
			0.100	0.10	0.01	2.210	2.127	35.15	95
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-	Contract	or					onsultant		
	ZHONGHENG CONSTR		UD	BUILDIN	G DESIGN A	UTHORIT	Y (P) LTD IN JO	INT VENTUR	E WITH B.N.
I	NTERNATIONAL ENGI	NEERING CO.	LTD	CONSUL	LTANCY PV1	. LTD ANI	D PLUS ENGIN	EERS & ARCH	ITECTS (P)
	Contraine 47	1811				LTD, KAT	THMANDE, NE	PAL	
-	20 MD 2	1910			14	- 13	* AIR SIL		
					Croll'				
		1.		1	NYY .			/	
5	214	(d)		2a	2v			a	
		Subhitted By		under	Verified By			Approved B	v
		ontract Manager			Qty Surveyor/			Team Leader	
	dra Yadav Ra	bindra Kr. Thaku	IT	H.k. Ma	indal/Rajan Shi	restha		Giresh Chanc	1



	December 2020	Sub-base		Remarks														1		BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHIFECTS (P) 1 TD KATHMANDI NEPAL	THE PARTY IN			
	DO	S	-	CBR%	48.20		-			+	+			-		+	$\left \right $	09		H B.N. CO		Ni	1	Approved By Team Leader Giresh Chand
	Month: Year	Type of . Material		PI%	0.92						T					1		<6 >30		RE WIT		P		Team Giresh
	Mo Ye	Typ	1	OMC	5.90											/			(m	VENER	14.1			
				MDD	2.224										\bigwedge				Consultant	JOINT	24	* VIL SUI OF		
				8 0.075	0 6.63	-				-				1/		_		7 4~15	Con	LTD IN	irate	N. A. A.		
5			y Weight	2.36 1.18	01 16.60	+	-			-			-	1	-	-		15-3		ITY (P)				estha
3RT-0 Report		9	ing % B	5.0 2.3	39.70 33.01	+	+			+	-	-	1	4	+	+		60 20-		US ENG			-	yor/CSE jan Shi
/ICB/I			nm / pass	10.0	51,67 3		1		-	1			A		+			0~75 30		IN NOIS	1	Ī	Verified By	ty Surve
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Sieve Size in mm / passing % By Weight	20.0	71.33	>				T		1	T					50-85 4		NG DE		BA	Verif	Expert Oty Surveyor/CSE H.K. Mandal/Rajan Shrestha
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Sieve	37.5	89.43						1							62-95		BUILDI		-	4	u T
Itract		:-R-2	_	-	100						X							100			1			ur .
Cor		Location :-R-20	Date of Testino		20-Dec-20					Y								Spec. Limit : 100 65-95 50-88 40-75 30-60 20-45 15-37 4-15		P INTERNATIONAL		0	Submitted Bv	Contract Manager Rabindra Kr. Thakur
			Source of Sample		Chisang Khola				1										ter				1 01	Cor Rab
			4	-	R-20,(0+040)		/	/										-	Contractor	ZHONGHENG CONSTRUCTION GROU	mill W M			
			Lab.Ref no.	numer on at	KUDP-SB-01	/	/												1	ZHONGHENG		M	Checked By	Engineer Dhirendra yadav
		F	Sn.	-	-1	1		T		1	T	t		+	H		+					D	Che	Dhirer



			Summar	y Sheet o	f Field Density	<u>y Test</u>	Month	D	ecember
						T	Year		2020
_			Loc	ation:-I	R-20		Type of Material		Sub-Base
Sn.	Lab.Ref.no	Tarting Data	Chainana	Moistu	re content %	Dens	ity(gm/cc)	_	paction %
on.	Lab.Kci.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density		Compac tion	Specifie %
1	RUDP-SB-FD-1, R/S	22-Dec-20	0+020	5.48	5.11	2.220	2.164	97.48	95
2	RUDP-SB-FD-1, L/S	22-Dec-20	0+060	5.48	4.66	2.220	2.123	95.64	95
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	ZHONGHENG CONSTR	Nr. ZIIC			No. Long	1	agn Authoria		
I	ZHONGHENG CONSTR NTERNATIONAL ENGIN	UCTION GRO NEERING CO.	UP LTD	BUILDII B.N	NG DESIGN AI N. CONSULTA ARCHITEC	UTHORITY NCY PVT. 4 CTS (P) 1 TI	(P) LTD IN 30 LTD AND PLUS D, KATHMAND	INT VENT ENGINE U, NEPAL	TURE WITH ERS &
		i.		Profe	pli	1999	hagar * NISS	/	1
Eng	cked By jineer Co	Submitted By ontract Manage	r I		Surveyor/CSE		-	Approved Team Lea	
Dhiren	dra Yadav Ral	bindra Kr. Thaku	ır	H.K. Mand	al/Rajan Shres	tha		Giresh Ch	



	January 2021	Sub-base		% Remarks																	1			BUILDING DESIGN AUTHORITY, [P. P.D. IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL				By er	pu
		•		PI% CBR%	-	49.10	-	-						-	-			-	1		>30			WITH B. KATHN		K	/	Approved By Team Leader	Giresh Chand
	Month: Year	Type of Material	-	OMC PI	-	8/.1 0.0		-	-	-			-	+	+	-		1	4		<6			FURE (Q		Apl	Gire
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			+	MDD 0	2000	-	+					-	+	+	+	-	$\left \right $	1	+	-			mt	NT VEN	D				
			-	0.075 N	c c0 11	-		+			_	+	+	+	+		1	+			-15		Consultant	NICHT NO	100	IN +			
			ight	1.18 0	1 36 21		-		-			1	1	+	t		/				02-20 20-00 40-10 20-00 50-42 12-37 4-15		of line	(P) LTD ERS & .	1	N * Ioffen			23
City T-02 Port			Sieve Size in mm / passing % By Weight	2.36	PO PC	25.19			>		1	1	T	+	T	/		1			0-42 1			NGINE	1			 Verified By Export Qty Surveyor/CSE M monotorition of the state 	ourest
B/BR B/BR		1	assing 9	5.0	36.57	38.18									1			T		0 00	20-00			AUTHO PLUS E				3y rveyor/	Indjall
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		-39	n mm / p	10.0	56.49	58.12														25 01	C/~0+			D AND	Z			 Verified By Export Qty Surveyor/CSE M. mondol/Point State 	iai indi
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		N-: n	ve Size i	20.0	5 74.42						-	-	1	1			-			20 02	co-ne			DING L	24	They are	d	Export	
iagar ict No		Location :-N-39	Sie	0 37.5	90.55	-	1		_			-	1	1										BUIL			~~		
ontra		Fo	-	^{ng} 63.0	100	100	-	-	-	+	+	+	4	-		_	-			100				-				ger	Invi
20 m			Data of Tant.	Date of 1esting	15-Jan-21	16-Jan-21					1	1								Snee. Limit .				RNATIONA		0	X	Contract Manager Rahindra Kr. Thature	
			Source of Samula	aidure to an	Chisang Khola	Chisang Khola				/	1												TOF	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO, LTD			1 0	Cor Cor Rahi	
	•	+	-	_	1	-	+	+	1	4	+	-			+	+	+		+	-		and the second sec	Contractor	EERING					
			Location of	Sample	N-39,(0+090)	N-39,(0+160)		1	1													1	1 Conten	CONSTRI)				
			Lab.Ref no.		RUDP-SB-01	RUDP-SB-02	/	1																HONGHENG		1	Checked Rv	Engineer Dhirendra Yadav	
		T	Sn.		-	2	1	T	1	T					+	t		+	+					2		0	Che	En	



		С	ontract	No:- RI	tropolita JDP/ICB/I Field Densit	BRT-02			
					- ind b that		Month	J	anuary
			Lor	ation:-N	20	-	Year		2021
			Lot	Moistur	e content %	Density	ype of Material (gm/cc)		ub-Base
Sn.	Lab.Ref.no	Testing Date	Chainag		Field MC%	11 5	Field Dry	Compac	Specifie
1	RUDP-SB-FD-1, L/S	10 1	0.040			density	density,	tion	%
2	RUDP-SB-FD-1, C/L	18-Jan-21 18-Jan-21	0+040		6.20 5.70	2.226	2.122	95.32	95
3	RUDP-SB-FD-1, R/S	18-Jan-21	0+080		4.65	2.226	2.138	96.04	95
4	RUDP-SB-FD-1, L/S	18-Jan-21	0+180		5.29	2.226	2.128	95.59	95
N			- 100	0.00	5.45	4.420	2.138	96.84	95
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	ZHONGHENG CONSTR	11253	TID	BUILDING	G DESIGN AL	UTHORITY	Pliant P) LTD IN JO	INT VENT	TIDE WITT
Ľ	TERNATIONAL ENGIN	EERING CO. I	LTD	B.N.	CONSULTAI	NCY PVT.	TD AND PLUS KATHMAND	ENGINEI	S. 297
	Anite in an an	/			.8.	12		CITE AL	
		Λ			pr)	nagar + NIS 60		,
0	y	11:		NON				al	
	ked By	Submitted By						90	
		ntract Manager		Verified By	urveyor/CSE			Approved	
hirend		oindra Kr. Thaku		H.K. manda	al/Rajan Shree	stha		Team Lead Giresh Cha	



	ary	21 base		Remarks															1		BUILDING DESIGN AUTHORITY (P) UPD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ANGHIERCTS (P) LTD, KATHMANDU, NEPAL				
	January	2021 Sub-base	L															/			A. CONS ANDU,			By	nd
				PI% CBR%	10.40	-												1	>30		TH B.		×	Approved By	Team Leader Giresh Chand
	Month:	Year Type of Material		C PI%	201	-	2014			-	-						/		99		URE W LTD, K		0	App	Gires
	W	- N	-	0 OMC	202 0	+	-			-							4	1			TVENT				
			-	MDD	0200	+										1				Consultant	CINE C				
				8 0.075	2 7.04	100			-	-						A			7 4~15	Con	EPD P	allar * NIC			
07			/ Weigh	86 1.18	CL L1 L5				-	+		_		_	1	-		-	15 15-3	1 con	ITY (P)			1	CSE
BRT-			ng % B)	5.0 2.36	33.59 28.57				-	+	-			-	A	-	-	-	60 20-4		THOR SENG	+		d By	Expert Qty Surveyor/CSE (, Mandal/Rajan Shrest
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		B	m / passi	0.0 5	56.65 33		-		+	+	-		-	1				+	-75 30-		IGN AL	S		Verifie	t Qty Su Idal/Ra
R Montl		TIL	Sieve Size in mm / passing % By Weight	20.0 10.0	71.20 50	68.27 5	1	>	+	+	1		1	4	1	-	+	+	-85 40		G DES LTD A	Č	in	Verified By	Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
No:- I		-: uo	Sieve S	37.5	90.16 7				1	T		-	1	1	+		1		5-95 50		UILDIN PVT.		-	И	H.
Contract No:- RUDP/ICB/BRT-0 Summary Sheet of Monthly Test Report		Location :-T1L8B		63.0	100	-			1	1		1		1	+		+	+	100 65-95 50-85 40-75 30-60 20-45 15-37 4-15	H	8	-	-	-	-
Sun		Г		Date of Testing	24-Jan-21	25-Jan-21					/	/							Spec. Limit :		RNATIONAL	4	0	Submitted By	Rabindra Kr. Thakur
				Source of Sample I	Chisang Khola	Chisang Khola				/										Contractor	G CO. LTD	-		Su Su	Rabir
			Location of		T1L8B,(0+180)			/	/											Contra	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD				
		•	Tak Defe		-	RUDP-SB-02		/													ZHONGHENG		X	Checked By Engineer	Dhirendra Yadav
			C.	TIC		2	l					T		T							~		Ø	Che	Dhiren



	REGI	ONAL I	Contra	agar M ct No:- 1	EVELO letropolit RUDP/ICE of Field Den:	an City B/BRT-02	NT PRO	JECT	
						F	Month	Janu	and the second se
_			Loca	tion:-T1	L8B		Year Type of Material	202 Sub-I	
				-	e content %		ty(gm/cc)	Compac	tion %
Sn.	Lab.Ref.no	Testing Date		OMC70	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specified %
1 2	RUDP-SB-FD-1, L/S RUDP-SB-FD-1, R/S	27-Jan-21 27-Jan-21	0+140	7.23	5.07	2.230	2.140	95.97	95
3	RUDP-SB-FD-1, L/S		0+190 0+220	7.23	5.96 6.34	2.230	2.169	97.30	95
4	RUDP-SB-FD-1, R/S	27-Jan-21	0+240	7.23	5.58	2.230	2.169	95.16 96.36	95
5	RUDP-SB-FD-1, L/S	27-Jan-21	0+270	7.23	5.30	2.230	2.125	95.35	95 95
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IN	TERNANONAL ENGIN	CTION GROU	TD 1	BUILDING CONSUL	TAILLI LAL,	LIUANDI	P) LTD IN JOI PLUS ENGINE MANDU, NEP.	NT VENTURE V ERS & ARCHIT AL	WITH B.N. ECTS (P)
Ingin	eer Col	ubbitted By ntract Manager ndra Kr. Thakur		Expert Q	erified By by Surveyor/C: dal/Rajan Shree	SE	* 11	Approved E Tean Leade Giresh Chan	r I



	January	Sub-base		Remarks														1) LTD,		1	
	-	s		CBR%	43.98				T		T			t	Ħ	T	1	>30			BUILDING DESIGN AUTHORITY (P) LITDIN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LITD AND PLOS ENGANEERS & ARCHITECTS (P) LID. KATHMANDU APPAL		Approved Bv	Team Leader Giresh Chand
	Month: Vear	Type of Material		%Id	1.23	-	1.70											< 9			ARCHI	K	Approve	Team
3	Mo	Tyl		OMC	5.90	-										1					IOINT VIOLINT			
				MDD	2.234											1				tant				
				0.075	7.52	9.48	9.78											4~15	cion Aure	Consultant	PLOS E MAND	US JIV *		
			Veight	1.18	18.17	20.12	18.76	1							1			100 65-95 50-85 40-75 30-60 20-45 15-37 4-15	1		HORI			stha
02		k	Sieve Size in mm / passing % By Weight	2.36	35.72	37.61	39.87	1							/			20-45			TUAUT T. LTI	1		Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
SRT-		how	passing	5.0	60.07 49.64	55.56 46.03	49.65											3060			DESIG		By	Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shi
CB/I		arad	mm n	10.0			58.42			-				1				40~75			DING	L	Verified By	Manda
JDP/		Ban	ve Size	20.0	73,17	-	69.12	+		+		-	1				-	50-8			BUII	8ª	102	H.K. I
:- RI		st of	Sic	37.5	88.92	-	86.31						1					65-95					14	
ict No		:-Ea		63.0	100	100	100					1									ING			in in
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location :-East of Banjarachowk	Date of Tacting	Siment to Amor	26-Jan-21	26-Jan-21	27-Jan-21				/	/						Spec. Limit :			L ENGINEER	0	Submitted By	Contract Manager Rabindra Kr. Thakur
		•	Source of Samule		Chisang Khola	Chisang Khola	Chisang Khola			/	/									and	NTERATIONA		I S	Con Rabi
			f	-		_	Daujaracnowk,(0+040)		/										Contraction of the second seco	A CONTRACTOR OF A CONTRACT	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING			
			Lab.Ref no.	-	-	RUDP-SB-02	-														NGHENG CON	M	Checked By	Dhirendra yadav
			Sn.			4 0	V	Ħ	T	T	1		Ħ	T	H	+	Ħ		1		ZHOI	0	Che W	Dhiren



			Summ	ary Sheet	RUDP/ICB t of Field Dens	ity Test		-	
						F	Month		uary
_		Lo	cation:-E	ast of Ba	njarachowk	-	Year Type of Material		Base
C.	I.I.D.C.			Moistu	re content %	Densi	ity(gm/cc)		ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry		Compaction	Specifie
1	RUDP-SB-FD-1, R/S	29-Jan-21	0+040	5.90	5.08	density 2.234	density, 2.153	% 96.38	% 95
2	RUDP-SB-FD-1, L/S	29-Jan-21	0+080	5.90	5.71	2.234	2.133	95.71	95
3	RUDP-SB-FD-1, R/S	29-Jan-21	0+090	5.90	4.38	2.234	2.182	97.68	95
4	RUDP-SB-FD-1, L/S	29-Jan-21	0+140	5.90	4.45	2.234	2.125	95.13	95
5	RUDP-SB-FD-1, R/S	29-Jan-21	0+180	5.90	3.62	2.234	2.171	97.28	95
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	TOM GROUP INTERN	UTION							
	Contracto					Co	insultant		
3	ZHONGHENG CONSTRU	CTION GROU	P	BUILDIN	G DESIGN AU	THODIPY	(D) I TO IN LOI	NT VENTURE	WITH B.N.
R	TERNATIONAL ENGIN	EERING CO. I	TD	CONSULT	ANCY PVT. L1	D AND PL	US ENGINEER	S & ARCHITEC	TS (P) LTD
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Chec	ked By	Submitted	Ru .	Verified	Die			Q	
Engi		Contract Mar			irvevor/CSE			Approved By	
nirend	ra yadav	Rabindra Kr. T			I/Rajan Shresth	a		Team Leader Giresh Chand	



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			Summ	ary Shee	t of Field Dens	ity Test	Month	Jan	uary
		Lo	cotion.	D 7 /D	20 to D 20)		Year	20	21
		10	cation	Moistu	29 to R-28) re content %	Dens	Type of Material sity(gm/cc)		Base Ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density gm/cc	density,	Compaction	Specifie %
1	RUDP-SB-FD-1, L/S		0+040	6.15	5.61	2.225	gm/cc 2.147	% 96.52	95
2	RUDP-SB-FD-1, R/S		0+090	6.15	5.95	2.225	2.176	97.79	95
3	RUDP-SB-FD-1, L/S	6-Jan-21	0+130	6.15	5.99	2.225	2.144	96.37	95
4	RUDP-SB-FD-1, R/S	6-Jan-21	0+170	6.15	5.56	2.225	2.166	97.35	95
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	Contract	onk	-						
	1158	- and and		1		18	onsultant		
n	ZHONGHENG CONSTRUCTION ADDRESS	UCTION GRO EERING CO.	UP LTD	BUILDIN CONSULT	NG DESIGN AU	D AND PI	(P) LTD IN JO LUS ENGINEER IANDU, NEPAL	S & ARCHITE	WITH B.N. CTS (P) LTI
Origina		A		Ser 1	y and the second		* AIT SITT	~	
Engi	ineer . Co	Submitted By entract Manager bindra Kr. Thaku		xpert Qty S	ied By urveyor/CSE al/Rajan Shrest	na		Approved By Team Leader Giresh Chance	



7	v			-	Ixemarks													1		BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PUUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		By	put		
	January	2021	Base	CBR	%	87.00												>80		TURE	X	Approved By Team Leader	Giresh Chand		
					5	8 82.26			-	-	-				-		-	>80		VEN' S & AJ		Ap	Gi		
				ALV.		13 19,88	33	-	-	+	-		-				A	<35		JOINT	1				
	ch	~	aterial	El and Et 9/	L' and L'	19.74/19.13	21.00/21.23										/	< 35	101	THORETY (P) LTD IN JOINT . LTD AND PLUS ENGINEER LTD, KATHMANDU, NEPAL					
	Month	Year	Type of Material	L.A.A.		29.80										1		< 45	Condition to	(P) L					
CCT			_	DIeZ	E4/0	NP										4				D AND					
floa				DMC U		45 5.25			-	-					1		-			AUTH VT. LT LTI		CSE	restha		
r pr				MUM	_	02 2.245	73	+	+	+	+				/	_	-	0		SIGN.		Verified By Expert Qty Surveyor/CSE	ajan Shi		
LEN Sity -02 Report			-		0.6 0.075		15.72 5.73	+	+	+	-	-	-	+	1	-	+	28 2-10		NG DE	2	Verified By 1 Qty Surveyo	andal/R		
OPN litan C B/BRT			R-28	y Weight	2.36 0	_	23.37 15	1	>	+	-	-	-	+		+	+	-53 12-		INNO	59	Experi	H.K. M		
VEL tropo DP/IC			29 to	passing B	4.75 2		30.43 2	+	1	+	-		1	-		-	+	6-55 21	+	0. BI	-		-		
URBAN DEVELOPMENT Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Location:-R-7,(R-29 to R-28)	6-	10	-	56.35 3	1	1	T	F		t	-		1	1	85-100 62-92 40-70 26-55 21-53 12-28		ING C		3y ager	akur		
BAN atnag atract l			-R-:	ve Size in	20		64.66	1	1	1		7	F	-			1	62-92 4		NEER	0	Submitted By Contract Manager	Rabindra Kr. Thakur		
Bir Col			tion	Sic	31.5	-	87.08	T	T			T						85-100		ENG		Sub	Rabind		
NAL			Loca		40	-	100				1							100		INN					
REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report				Date of	Testing	16-Jan-21	17-Jan-21				1							Spec. Limit :		TERNAR BONAL ENGINEERING CO.					
R				Source of Sample		Chisang Khola	Chisang Khola											SI	Contractor	ZHONGHENG CONSTRUCTION GROUP INTER					
				Location of	Sample	R-7,(0+030)	R-7,(0+120)		1						4					5 CONSTRUCTI		fked By gineer	a yadav		
				Lab.Ref no.		RUDP-B-01	RUDP-B-02	1												NGHENC	C	Checked By Engineer	Dhirendra yadav		
			-	S.N. La		-	2 RU	4	-	-		_		_	_	+	-			OHZ					

					t of Field Densi	F	Month		uary
		Location:-F	7 (0 20	to D 79)		-	Year	20	
1		Locationr	-/,(R-29	Moistu	re content %	Density	pe of Material (gm/cc)	Ba Compa	ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density	Field Dry density,	Compaction %	Specified %
1	RUDP-B-FD-1, L/S	18-Jan-21	0+040	5.25	4.18	gm/cc 2.245	gm/cc 2.220	98.90	98
2	RUDP-B-FD-1, R/S	18-Jan-21	0+120	5.25	3.01	2.245	2.231	99.37	98
3	RUDP-B-FD-1, L/S	18-Jan-21	0+160	5.25	4.58	2.245	2.215	98.65/	
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_	Contrac					Con	sultant		
п	ZHONGHENG COAST NTERNATIONAL EXGI	RUCTION GRO NEERING CO.	UP LTD	BUILDI CONSULT	NG DESIGN AU TANCY PVT. L'	FD AND PLU) LTD IN JOI ENGINEER NDU, NEPAL	S & ARCHITE	WITH B.N. CTS (P) LTI
				6	der	6*	Birathagan	1	
	-	()		Non	V.			0/	
	- Martin			- MA				8	
6	Checked By Engineer	Submitte Contract Ma			ified By Surveyor/CSE			Approved By	1
	Dhirendra yadav	Rabindra Kr.			al/Rajan Shrest	ha		Team Leader Giresh Chano	ł



January	2021 Base	ATV CBP	% CR % Remarks	21.85 81.27 84.40								< 35 >80 >80			OINT VENTURE WITH IS ENGINEERS & DU, NEPAL		9	<	Approved By Team Leader	Giresh Chand
Month	Y car Type of Material	LAA	PI% FI and EI %	NP 29.60 22.09/21.68						1	/	<45 <35		Consultant	BUTY (P) LTD IN JO PVT. LTD AND PLU D'ETD, KATHMAN	* Biramayar +				
ICB/BRT-02 hlv Test Report			2.36 0.600 0.075 MDD OMC	22.12 15.20 3.75 2.255 5.75	/				/			21-53 12-28 2-10			BUILDING DESIGN AUTHORITY (P) LED IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LFD, KATHMANDU, NEPAL	2	No.	Prof.	Expert Qty Surveyor/CSE	H.K. Mandal/Rajan Shrestha
Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report	Location:-R-121	Date of Sieve Size in mm / % passing By Weight	40 31.5 20 10 4.75	15-Jan-21 100 90.61 72.33 55.43 29.33			//	7				Spec. Limit: 100 85-100 62-92 40-70 26-55 21-53 12-28			ZHONGHENG CONSTRUCTION OF DATE INVERTIONAL ENGINEERING		0	K	Submitted By Contract Manager	Rabindra Kr. Thakur
			source of sample	Chisang Khola								Spec.	Contractor	COULIACION	ICTION GROUP IN COLUTD					
	+	Location of	-	RUDP-B-01 R-121,(0+050)	/	-									NGHENG CONSTRU	-		M	Checked By Engineer	Dhirendra Yadav



					of Field Densi	ty rest	Month		uary
				Lonoti	ion:-R-121		Year Type of Material		21
-	-			Moistur	e content %	Den	sity(gm/cc)		ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.D		Compaction	Specified
1	-	161.01	01020			densit		%	%
1 2	RUDP-B-FD-1, R/S RUDP-B-FD-1, C/L	16-Jan-21 16-Jan-21	0+030	5.75 5.75	5.59 5.82	2.255		98.27 98.33	98 98
K	RODI-D-ID-I, CIL	10-Jan-21	01005	5.15	5.02	4.433	2.217	90.33	90
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_	Contin	TERNATIO		-		- /	stuarity (III)		
-		TOP				(iii)	Consultant		
1	ZHONGHENGCONST INTERNATIONAL ENGI	WCTION GRO NEERING CO.	DUP LTD	BUILDE CONSULT	NG DESIGN AI FANCY PVT. L	UTHORIT TD AND	PLUS ENGINEER MANDU, NEPAI	RS & ARCHITI	E WITH B.N. ECTS (P) LT
	2	1		Sal	and and			×	
		frag.						0	
	Checked By Engineer	Submitte Contract Ma			fied By Surveyor/CSE			Approved B Team Leader	
_	Dhirendra Yadav	Rabindra Kr.	Thakur		al/Rajan Shres	stha		Giresh Chan	



		Page no 1 of 1	Application Rate Bt Trav Test Ltr/m2	1.04	1.05	1.07	1.05	1.06	1.05	+										4	×		Team Leader Giresh Chand
			Application Rate Bv Deep Ltr/m2	1.01	1.08	1.03	1.07	1.09	1.08	/	>							,	Sille	Ltd	10		, F O
E			Bitumen Consumption (Ltr)	275	270	400	925	1525	3100	6495									A LET	Build TC.	B)	
REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Daily Application Rate Check for Priming work	nuary 2021		Total Area M2	272.00	249.40	387.15	864.00	1400.00	2880.00	Total										/	7	and Be-	urveyor/CSE RajanShrestha
OPMEN litan City CB/BRT-02 k for Primi	NTH OF jai		Intersection Area m2	0.00	0.00	00.0	00.0	00.00	0.00									Consultant	BUILDING	1	Z	How we want	Expert Oty Surveyor/CSE H.K. Mandal/RajanShrestha
URBAN DEVELOPMEN Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 blication Rate Check for Prim	R THE MO		Area of Priming (m2)	272.00	249.40.	387.15	864.00	1400.00	2880.00										UT 1 DO		6		tanager Thakur
IONAL URBAN DEVELOPMENT PROJ Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Daily Application Rate Check for Priming work	SUMMARY FOR THE MONTH OF january 2021		Side of Priming	Both side	Both side	Both side	Both Side	Both Side	Both Side										AND INTERNATIONAL ENCINEEDING CO. 1 TD	MUNEERING	/	- AN	Contract Manager Rabindra Kr. Thakur
GIONAI Daily A	SU		ion to	0+085	0+058	0+087	0+180	0+200	0+900								1.039		ALCONTAL EN	AND ALLEN	1		
RE			From	000+0	000+0	000+0	000+0	000+0	0+200								of Bitumen 1.039	Contractor	ID INFERMIT	Contraction of the second	in m. * Zioneiu		
	5	AC30	Date of Priming	3-Jan-21	3-Jan-21	3-Jan-21	4-Jan-21	16-Jan-21	17-Jan-21								Specific Gravity of	ö	CTONOGRA	ISN INTERNET	Contraction of the second	/	
	Type of Bitumen:80/100 P.G	Cutter Percentage:MC 70:MC30	Location	R-181A	T3l26h.	B-2, Branch	T2L24B	Bargachhi	Bargachhi										HENG CONSTRI			Charles Rv	Engineer Dhirendra Yadav
	Type of B	Cutter Pe	NS	4	2	3	4	5	9) Lit/M2 ± 5%		ONOHZ	MOUZ		No	Dhir

		Do Lo 4	I YON R. J	Flow mm	2.0	2.48	2.22	2.38	2.15	2.38	2.48	2 58							2-3	B		D AND PLUS			
				Stability N	9451	9557	8747	8459	8341	8992	8725	9013						-	For (25-54)mm Thickness W/C Courses			BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VERTORE WITH B.N. CONSULTANCY PVTI. LTD AND PLUS	AK	Approved By Team Leader	resh Chand
				% VWA	16.78	16.63	16.91	17.71	16.91	16.90	16.86	16.88							mm Thickn			CONSULT.		:4F	Ø
				Air Voids %	3.76	3.57	3.91	4.20	3.98	3.93	3.82	3.89						- au	For (25.51)		K	WITH B.N.	d.IBN/	135 50	
				Mix Density gm/cc	2.367	2.378	2.370	2.365	2.367	2.368	2.460	2.369						an and	-		onsultant	VENTURE TS (P) LTC	ant	alungar *	
	18/2	1	Ritumen	Contrast From A Extraction Test	5.72	5.71	5.70	5.70	5.68	5.70	5.73	5.70	-					6 703			0	ARCHITEC	Building	2	
	-02 (AASHTO T 245-78)	-		0.075	7.20	7.31	8.59	6.15	6:39	6.58	6.44	6.15						0 4 4	-			ITY (P) LTI			
Ň	12 AASHT	RY 202		0.6	17.48	17.71	19.41	17.18	17.20	17.61	17.58	17.39						16.24	41%			AUTHOR			stha
Biratnagar Mctropolitan City		JANUA	Mix Agg Gradation .	2.36	34.98	35.52	37.65	35.21	35.01	35.00	34.77	34.78						76-66	+2%			IG DESIGN	5	Verified By Expert Oty Surveyor/CSE	anjo rigeriji
Metrop	L MET	H OF	Mix Agg Gradation	4.75	55.98	56.73	57.69	54.72	54.73	55.15	55.13	55.57						54-59	±3%			BUILDIN	ang	Verified By Expert Oty	T.N. Wellhout
atnagar	SHALI	MONT	Mix Nix	5.6	78.47	79.00	79.22	77.62	77.42	77.31	77.19	77.31						76-82	15%						
Bii	Y MAF	R THE		16	100	100	100	100	100	100	100	100						100-100	IIIN			D.LTD	1 al	Submitted By Contract Manager	Diricharter.
	Contract No: RUDP/ICB/BR Test Result BY MARSHALL METHOD	ARY FO	-	20	100	100	100	100	100	100	100	100						100	±5%			ERING C		:00 à	
	Test R	SUMMARY FOR THE MONTH OF JANUARY 2021		Location of Work ch:	Ghoghapaini,(0+000 to 0+129)	R-111A,(0+000 to 0+059)	Bargachhi,(0+000 to 0+200)	Bargachhi,(0+200 to 0+600)	B-2,Branch,(0+000 to 0+087)	T3L24B,(0+000 to 0+180)	T3L26H,(0+000 to 0+058)	R-181A,(0+000 to 0+085)						Specifacations	Job Mix Tolerances from RUDP Specification Table2-4-10		Contracture	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD	COLUN * BHOMBIE		
				Date of Laying	1/1/2021	1/1/2021	21/1/2021	22/1/2021	23/1/2021	24/1/2021	25/1/2021	26/1/2021						S	Job Mix Tolerances fr			HONGHENG CONS			
			_	No. No.	1 284	2 285	3 286	4 287	5 288	6 289	7 290	8 291	6	10	H	12				REMARKS:		2	M	Checked By Engineer Dhirendra yadav	



REGIONAL I Bir Cont Daily Applica	Type of Bitumen:80/100 P.G SUMMARY FC	Date of Station Tack coat From to	-0 000+0	1-Jan-21 0+000 0+059	21-Jan-21 0+000 0+200	22-Jan-21 0+200 0+600	· 23-Jan-21 0+000 0+087	24-Jan-21 0+000 0+180	25-Jan-21 0+000 0+058	26-Jan-21 0+000 0+085				Required tack coat is 0.40 to 0.60Lit/M2	Specifi		Confractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD	oone without	
REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Daily Application Rate Check for TACK COAT	SUMMARY FOR THE MONTH OF NOVEMBER-2020	Side of Area of Tack coat	+	BHS 253.7	BHS 1400	BHS 2880	BHS 378.45	BHS 864	BHS 249.4	BHS 272					Specific Gravity of Bitumen 1.039			INEERING CO. LTD	10	Submitted By Contract Manager Rabindra Kr. Thakur
PMENT PROJ ttan City B/BRT-02 for TACK C	NOVEMBER-20	f Intersection	-	0	0	0	0	0	0	0				According to Road Note -3, Section 711.2	men 1.039			BUILDING B.N. CC	200	Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
ECT DAT	020	Total .	1	253.7	1400.00	2880.00	378.45	864.00	249.40	272.00	Total			d Note -3,		1	1000	DESIGN AUTHORITY (P) LTD IN JOINT VENT ONSULTANCY PVT: LTD AND PLUS ENGINE ARCHITECTS (P) LTD, KATHMANDU, NEPAL	1	/eyor/CSE ajan Shrestha
		-	500	150	785	1675	210	500	125	150	4095			Section		withorie	Consultant	PVP. LTD, KJ	4 + vefieute.	
		Application Rate	0.55	0.59	0.56	0.58	0.55	0.58	0.50	0.55				711.2			ant	AND PLUS E		0
		-	bt Iray lest Lithm2	0.0	0.54	0.57	0.54	0.51	0.56	0.51	/							BUILDING DESIGN AUTHORITY (PLTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVP. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	0	Appoved By Team Leader Giresh Chand



<u>January, 2021</u>

			Time	Ref.no.	Ambe							Comments:-	ONGHI	×	Checked By Engineer	cuuta ya
				r cement	Ambe hi-tech	/					Sp.		ENG CON	1		Apr
			Totolog Date	I ype or cement	2-Jan-21	1					Sp.Limit:	Contracto	ENGINE RRING CO			
				Normal Cons.(%) Initial(Min) Final (min)	29.75							actor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINERATING CO. LTD		Submitted By Contract Manager	
			Consistancy & Setting Time	Initial(Min)	80						Min-30		ERNATION	0	mitted By act Manager	
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 SUMMARY SHEET OF CEMENT TEST				Final (min)	210						Max-600		(AL			
ar Metro Vo:- RUD			Soundness	(mm)	2.07			I			<10		BUI	×.	Exper	
iratnagar Metropolitan Ci ontract No:- RUDP/ICB/BRT- summary sheet of cement test			Fineness((%	2.28				-		<10		SULTANC	N	Expert Oty Surveyor/CSE	anuaurkajan
City rr-02			Date of	Casting	3-Jan-21								ESIGN AUT Y PVT. LTI		or/CSE	onresuna
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 SUMMARY SHEET OF CEMENT TEST			Date o	3 Days	6-Jan-21							Cons	HORITY (P)	A Binanjar		
	Month	· Year	Date of Testing	28 Days	31-Jan-21							Consoltant	BUILDING DESIGN AUTHORITY (P) DYD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU ARPAL	14		
	nth	ar	Strength	3 days	23.86						>23		NT VENTU S & ARCHI		1	
	Jan	2(Strength N/mm ²	28 Days	45.03						>43		RE WITH	9	Approved By Team Leader	Giresn Chand
	January	2021		Remarks						-			B.N.		1 2 - 1	5



	VII	Agg	Remarks																	1	RE WITH LS &	ab	d By ader hand
	January 2021	20 mm Agg	%'T.V.%	18.32	17.96	21.48	21.60	20.53	18.82	19.79	17.64	16.97				1			<25	N#1	'VENTU IGINEER VEPAL		Approved By Team Leader Giresh Chand
	r h	laterial	Fl and El %	16.99/15.73	18.13/16.22	16.96/17.88	19.35/19.77	16.86/18.48	14.77/17.62	17.19/16.82	16.84/17.23	17.67/20.32							<25		BUILDING DESIGN AUTHORITY (D) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PYF, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		
	Month	Type of Material	L.A.A.%	27.10	21.00	27.60	22.46	20.92	19.76	27.04	21.22	23.10						/	35		HORITY (D.L.1 Y DVI, LTB AI S (P) LTD, KAT	A Le	
Agg.			eight -	4.08	2.56	1.98	2.86	3.74	3.07	4.15	2.75	47.7					1		0~5		UTHOR NCY DV CTS (P)	* vabaute	
City T-02 of 20mm			Sieve Size in mm / % Passing by weight	14.38	17.95	15.81	14.53	18.72	15.35	16.60	17.43	14.18	+						0-25		ESIGN A NSULT RCHITE	-	syor/CSE
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Sheet of Monthly Test Report of 20			mm / % Pa	53.76	48.72	44.47	90.09	48.66	60.10	49.17	50.46	40,/0				1			0~20	- I	DING D B.N. CO	R	Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
Metrop - RUDP/ thly Tes			ve Size in 1	89.70	-	+	92.56	+		-	91.74	CCINE							85~100		BUIL	- M	Verified By Expert Qty S H.K. Mandal
tnagar ract No: t of Mon			1	100.001	100.00	100.00	100.00	100.00	100.00	100.00	100.00	INNIN			1				100		AAL	-	By nager Thakur
DITATING TO THE DOULT OF DOULD			Source of Sample	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chicang Khola	CIUSING MIOIR							Spee. Limit :		NTERNATIO	1 miles	Subnitted By Contract Manager Rabindra K. Thakur
			Location of	Madhumara Yard	R-72	R-65	Dargaciini,(07200) T31.22	Durgachowk, (0+120	koshi yard	Bargachhi, (0+450)	LILI3 bachi vard	ning micov		/							ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING COLUTD	A CHARTER AND THE MAIL TO A	
			Date of Tasting	2-Jan-21	4-Jan-21	7-Jan-21	14-Jan-21	16-Jan-21	19-Jan-21	21-Jan-21	12-Jan-21	17-1100-07									CONSTRUCT		
			Lab.Ref no.	RUDP-CA-688	RUDP-CA-689	RUDP-CA-690	RUDP-CA-692	RUDP-CA-693	RUDP-CA-694	RUDP-CA-695	RUDF-CA-090										CHONGHENG	A	Cherked By Engineer Dhirendra Yadav
			S.n.	-		5	-	9	-	20 00	-	+ /									2		Dhin A



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				Succe of	and the second second	A Report	Month	Januar
							Year	2021
-	-		1		1		Type of Material	Brick
S.N.	Lab Ref.No.	Testing Date	Location of Sample	Source of Brick	Name of Brick	Water Absorption of Brick(%)	Strength of Brick(N/mm ²)	Remark
1	1351	1-Jan-21	R-65	Dadarbairya	Aanand	13.30	13.90	
2	1352	5-Jan-21	R-72	Dadarbairya	ACC	15.66	15.00	
3	1353	8-Jan-21	R-65	Dadarbairya	Aanand	14.88	15.45	
4	1354	11-Jan-21	R-72	Dadarbairya	Aanand	15.73	14.83	
5	1355	15-Jan-21	R-65	Dadarbairya	ACC	13.91	15.57	
6	1356	17-Jan-21	R-72	Dadarbairya	ACC	15.13	16.00	
7	1357	20-Jan-21	R-65	Dadarbairya	ACC	16.93	15.47	
8	1358	23-Jan-21	R-72	Dadarbairya	ACC	14.12	13.70	
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			Sp. Limit			<20%	>8 to 10 N/mm ²	
omn	nents:-		outractor and			Consu	illine .	
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ZH	IONGHE	NG CONSTRU	CTION GROUP INTE	RNATIONAL	WITH B.N. (CONSULTANCY PVT.	LTD AND PLUS EN	GINEERS .
	ked By		2 Subsette			* Bromagi	Approved I	By
	ra Yadav		Contract M Rabindra Kr			ty Surveyor/CSE dal/Raian Shrestha	Team Lead	
mend			Rabinura Kr	, i nakui	H.K.Man	dal/Rajan Shrestha	Giresh Char	nd



			REGIO		JRBAN DE Biratnagar M Contract No:- I nary Sheet of Co	etropolit: RUDP/ICB/	an City BRT-02		СТ		
2									P	age No 1 of	1
4							-	Month		Jan	uary
								Year		20	021
		1	1	D 1		1		ype of Materi	al	Conc.	. Cube
S.N	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand+Agg	Date of		Testing	Strength	N/mm2	Concre
1	Koshi Yard	RUDP-3769	Ambe Hi-Tech	OPC		Casting	7 Days	28 Days	7 Days	28 Days	Grade
2	N-15	RUDP-3770		OPC	Chisang Khola	4-Dec-20	11-Dec-20	1-Jan-21		21.89	M20
3	R-109	RUDP-3771	Ambe Hi-Tech	OPC.	Chisang Khola	4-Dec-20	11-Dec-20	1-Jan-21		23.23	M20
4	Madhumara Yard	RUDP-3772	Ambe Hi-Tech		Chisang Khola	5-Dec-20	12-Dec-20	2-Jan-21		22.28	M20
5	Koshi Yard	RUDP-3773	Ambe Hi-Tech	OPC	Chisang Khola	6-Dec-20	13-Dec-20	3-Jan-21		32.81	M30
6	N-15,Branch	RUDP-3774	Ambe Hi-Tech	OPC	Chisang Khola	7-Dec-20	14-Dec-20	4-Jan-21		21.89	M20
7	R-6	RUDP-3775	Ambe Hi-Tech	OPC	Chisang Khola	7-Dec-20	14-Dec-20	4-Jan-21		22.68	M20
8	Ghoghapauni	RUDP-3776	Ambe Hi-Tech	OPC	Chisang Khola	8-Dec-20	15-Dec-20	5-Jan-21		21.57	M20
9	R-10			OPC	Chisang Khola	9-Dec-20	16-Dec-20	6-Jan-21		23.23	M20
10		RUDP-3777	Ambe Hi-Tech	OPC	Chisang Khola	9-Dec-20	16-Dec-20	6-Jan-21		22,52	M20
-	R-121	RUDP-3778	Ambe Hi-Tech	OPC	Chisang Khola	10-Dec-20	17-Dec-20	7-Jan-21		23,05	M20
11	N-15,Branch	RUDP-3779	Ambe Hi-Tech	OPC	Chisang Khola	10-Dec-20	17-Dec-20	7-Jan-21		23.07	M20
12	Koshi Yard	RUDP-3780	Ambe Hi-Tech	OPC	Chisang Khola	11-Dec-20	18-Dec-20	8-Jan-21		21.97	M20
13	Koshi Yard	RUDP-3781	Ambe Hi-Tech	OPC	Chisang Khola	13-Dec-20	20-Dec-20	10-Jan-21		21.81	M20
14	R-4	RUDP-3782	Ambe Hi-Tech	OPC	Chisang Khola	13-Dec-20	20-Dec-20	10-Jan-21	1	22.52	M20
15	R-12	RUDP-3783	Ambe Hi-Tech	OPC	Chisang Khola	14-Dec-20	21-Dec-20	11-Jan-21		21.42	M20
16	R-109	RUDP-3784	Ambe Hi-Tech	OPC	Chisang Khola	14-Dec-20	21+Dec-20	11-Jan-21		22.36	M20
17	R-109	RUDP-3785	Ambe Hi-Tech	OPC	Chisang Khola	15-Dec-20	22-Dec-20	12-Jan-21		23.39	M20
18	N-15	RUDP-3786	Ambe Hi-Tech	OPC	Chisang Khola	15-Dec-20	22-Dec-20	12-Jan-21		22.73	M20
19	Madhumara Yard	RUDP-3787	Ambe Hi-Tech	OPC	Chisang Khola	15-Dec-20	22-Dec-20	12-Jan-21		33.23	
20	Ghoghapaini	RUDP-3788	Ambe Hi-Tech	OPC	Chisang Khola	16-Dec-20	23-Dec-20	13-Jan-21		22.20	M30
21	R-6	RUDP-3789	Ambe Hi-Tech	OPC	Chisang Khola	16-Dec-20	23-Dec-20	13-Jan-21			M20
22	R-72	RUDP-3790	Ambe Hi-Tech	OPC	Chisang Khola	16-Dec-20	23-Dec-20	13-Jan-21		22.91	M20
23	R-10	RUDP-3791	Ambe Hi-Tech	OPC	Chisang Khola	18-Dec-20	25-Dec-20	15-Jan-21		22.99	M20
24	R-109	RUDP-3792	Ambe Hi-Tech	OPC	Chisang Khola	19-Dec-20	26-Dec-20	16-Jan-21		21.34	M20
25	R-72	RUDP-3793	Ambe Hi-Tech	OPC	Chisang Khola	19-Dec-20	26-Dec-20			22.83	M20
26	R-12	RUDP-3794	Ambe Hi-Tech	OPC	Chisang Khola	20-Dec-20	20-Dec-20 27-Dec-20	16-Jan-21		23,73	M20
27	R-4	RUDP-3795	Ambe Hi-Tech	OPC	Chisang Khola	21-Dec-20	1 1 1 1 1 1 1 1 1 1 1 1 1	17-Jan-21		21.97	M20
28	Koshi Yard	RUDP-3796	Ambe Hi-Tech	OPC	Chisang Khola	21-Dec-20	28-Dec-20	18-Jan-21		22.68	M20
29	Ghoghapaini	RUDP-3797	Ambe Hi-Tech	OPC	Chisang Khola	21-Dec-20 22-Dec-20	28-Dec-20	18-Jan-21		22.36	M20
30	R-10	RUDP-3798	Ambe Hi-Tech	OPC	Chisang Khola	22-Dec-20 23-Dec-20	29-Dec-20	19-Jan-21		23.39	M20
31	Koshi Yard	RUDP-3799	Ambe Hi-Tech	OPC	Chisang Khola	23-Dec-20 23-Dec-20	30-Dec-20	20-Jan-21		21.42	M20
32	R-72	RUDP-3800	Ambe Hi-Tech	OPC	Chisang Khola	25-Dec-20	30-Dec-20	20-Jan-21		22.20	M20
33	Koshi Yard	RUDP-3801	Ambe Hi-Tech	OPC	Chisang Khola	CORD COMPLEXANT	1-Jan-21	22-Jan-21	16.44	21.73	M20
34	R-65	RUDP-3802	Ambe Hi-Tech	OPC		26-Dec-20	2-Jan-21	23-Jan-21	15.19	22.81	M20
15	Madhumara Yard	RUDP-3803	Ambe Hi-Tech		Chisang Khola	29-Dec-20	5-Jan-21	26-Jan-21	16.44	22.76	M20
16	Bargachhi,(0+030)	RUDP-3804	Ambe Hi-Tech	OPC	Chisang Khola	1-Jan-21	8-Jan-21	29-Jan-21	21,89	32.16	M30
37	R-65	RUDP-3804	Ambe Hi-Tech	OPC	Chisang Khola	3-Jan-21	10-Jan-21	31-Jan-21	14.95	21.89	M20
18	Bargachhi,(0+320)	RUDP-3805	Ambe Hi-Tech	OPC	Chisang Khola	10-Jan-21	17-Jan-21	7-Feb-21	15.35	1	M20
19	T3L22		Ambe Hi-Tech	OPC	Chisang Khola	12-Jan-21	19-Jan-21	9-Feb-21	14.95		M20
-		RUDP-3807		OPC	Chisang Khola	15-Jan-21	22-Jan-21	12-Feb-21	16.44		M20
1 04	Durgachowk,(0+050)	RUDP-3808	Ambe Hi-Tech	OPC	Chisang Khola	15-Jan-21	22-Jan-21	12-Feb-21	15.42		M20
1	R-72	RUDP-3809	Ambe Hi-Tech	OPC	Chisang Khola	18-Jan-21	25-Jan-21	15-Feb-21	17.38	-	
2	TIL13	RUDP-3810	Ambe Hi-Tech	OPC	Chisang Khola	20-Jan-21	27-Jan-21				M20
3	TIL13	RUDP-3811	Ambe Hi-Tech	OPC	Chisang Khola	21-Jan-21		17-Feb-21	15.97		M20
4						as survit	28-Jan-21	18-Feb-21	15.03		M20
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-		Lab		Brand of		-	Date o	of Testing	Strength	, N/mm2	
S.N.	Location	Ref.no.	Type of Cement	Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28	Type Grad
1	T1L14C	MR-2990	Ambe Hi-Tech	OPC	Chisang Khola	4-Dec-20	11-Dec-20	1-Jan-21	-	Days 8.90	7.5
2	N-15	MR-2991	Ambe Hi-Tech	OPC	Chisang Khola	5-Dec-20	12-Dec-20	2-Jan-21	-	9.04	7.5
3	R-29,Branch	MR-2992	Ambe Hi-Tech	OPC	Chisang Khola	6-Dec-20	13-Dec-20	3-Jan-21	-	9.57	7.5
4	R-71	MR-2993	Ambe Hi-Tech	OPC	Chisang Khola	8-Dec-20	15-Dec-20	5-Jan-21	-	9.71	7.5
5	R-72	MR-2994	Ambe Hi-Tech	OPC	Chisang Khola	9-Dec-20	16-Dec-20	6-Jan-21		8.77	
6	R-109	MR-2995	Ambe Hi-Tech	OPC	Chisang Khola	9-Dec-20	16-Dec-20	6-Jan-21		9.04	7.5
7	R-10	MR-2996	Ambe Hi-Tech	OPC	Chisang Khola	10-Dec-20	17-Dec-20	7-Jan-21	-	9.04	7.5
8	R-72	MR-2997	Ambe Hi-Tech	OPC	Chisang Khola	10-Dec-20	17-Dec-20	7-Jan-21 7-Jan-21		8.63	7.5
9	TIL14C	MR-2998	Ambe Hi-Tech	OPC	Chisang Khola	12-Dec-20	19-Dec-20	9-Jan-21		8.23	
10	R-112	MR-2999	Ambe Hi-Tech	OPC	Chisang Khola	13-Dec-20	20-Dec-20	10-Jan-21	-		7.5
11	R-29,Branch	MR-3000	Ambe Hi-Tech	OPC	Chisang Khola	15-Dec-20	20-Dec-20 22-Dec-20	10-Jan-21 12-Jan-21		9.44 9.17	7.5
12	N-15	MR-3001	Ambe Hi-Tech	OPC	Chisang Khola	16-Dec-20	23-Dec-20	13-Jan-21	-		7.5
13	R-112	MR-3002	Ambe Hi-Tech	OPC	Chisang Khola	16-Dec-20	23-Dec-20	13-Jan-21		8.50	7.5
14	R-72	MR-3003	Ambe Hi-Tech	OPC	Chisang Khola	17-Dec-20	24-Dec-20	14-Jan-21		8.90	7.5
15	TIL14C	MR-3004	Ambe Hi-Tech	OPC	Chisang Khola	17-Dec-20	24-Dec-20	14-Jan-21		9.44	7.5
16	R-10	MR-3005	Ambe Hi-Tech	OPC	Chisang Khola	19-Dec-20	26-Dec-20	16-Jan-21		9.30	7.5
17	R-109	MR-3006	Ambe Hi-Tech	OPC	Chisang Khola	20-Dec-20	27-Dec-20	17-Jan-21		8.50	7.5
18	R-29,Branch	MR-3007	Ambe Hi-Tech	OPC	Chisang Khola	21-Dec-20	28-Dec-20	18-Jan-21		9.04	7.5
19	N-15	MR-3008	Ambe Hi-Tech	OPC	Chisang Khola	22-Dec-20	29-Dec-20	19-Jan-21		9.57	7.5
20	R-72	MR-3009	Ambe Hi-Tech	OPC	Chisang Khola	23-Dec-20	30-Dec-20	20-Jan-21		9.84	7.5
21	R-112	MR-3010	Ambe Hi-Tech	OPC	Chisang Khola	24-Dec-20	31-Dec-20	21-Jan-21		9.30	7.5
22	R-65	MR-3011	Ambe Hi-Tech	OPC	Chisang Khola	27-Dec-20	3-Jan-21	24-Jan-21	6.07	8.36	7.5
23	R-72	MR-3012	Ambe Hi-Tech	OPC	Chisang Khola	1-Jan-21	8-Jan-21	29-Jan-21	6.88	8.77	7.5
24	R-65	MR-3013	Ambe Hi-Tech	OPC	Chisang Khola	3-Jan-21	10-Jan-21	31-Jan-21	6.61	9.44	7.5
25	R-72	MR-3014	Ambe Hi-Tech	OPC	Chisang Khola	7-Jan-21	14-Jan-21	4-Feb-21	5.80	1	7.5
26	R-65	MR-3015	Ambe Hi-Tech	OPC	Chisang Khola	9-Jan-21	16-Jan-21	6-Feb-21	6.47		7.5
27	R-72	MR-3016	Ambe Hi-Tech	OPC	Chisang Khola	14-Jan-21	21-Jan-21	11-Feb-21	7.01		7.5
28	R-65	MR-3017	Ambe Hi-Tech	OPC	Chisang Khola	16-Jan-21	23-Jan-21	13-Feb-21	6.61		7.5
29 30	R-72 R-65	MR-3018	Ambe Hi-Tech	OPC	Chisang Khola	19-Jan-21	26-Jan-21	16-Feb-21	5.80		7.5
31	N-05	MR-3019	Ambe Hi-Tech	OPC	Chisang Khola	23-Jan-21	30-Jan-21	20-Feb-21	6.74/		7.5
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ANNEX- 4: SOCIAL& ENVIRONMENT SAFEGUARD

Monitoring Formats– January 2021



Environmental Monitoring Format Regional Urban Development Project (RUDP)/Biratnagar

Name of Sub Project: RUDP/ Biratnagar

Contract Package: RUDP/ICB/BRT/02

Sub-project Component: - Road Lanes Improvement / Sewerage Drainage Month: January 2021

Ch	ec	kli	st

SN	Activity	Description/Present Status (Compliance/Partially Compliance/Non Compliance	Remarks/ Corrective actions for Non- Compliance
1 1.1	Training Health, Safety and EMP trainings and awareness	Yes	
1.2	Others awareness and skill trainings	No Los Sop in America	10.0.40
2	Campsite management	Pichra, Shanti Chowk,	minerey
2.1	Location	Rani	
2.2	First aid facilities available at camp and worksites		
2.3	Drinking water supply and sanitation facilities/ pit latrines	Yes	
2.4	Waste Disposal and	Tap water/ Hand Pump Yes	
2.5	Management facilities	L.P.G	-
	Type of fuel used for cooking		
3	Spoil and Construction material Management		
3.1	Cut and fill balance maintained or not, Reuse of spoil materials	Cut & Fill balance maintained	
3.2	Use of safe spoil disposal locations	Not Applicable	
3:3	Disturbance to Pedestrian and traffic movement	No any disturbance to pedestrians & traffic	
3.4	Use of private land and agreement with land owners	Yes	
4	Air, Noise and Water Pollution	Water sprinkled by	
4.1	Dust emission and Noise pollution sites	tanker on such sites.	
4.2	Water quality monitoring result and locations	ok	
4.3	Block age of natural drainages ,water logging, drain water discharge into farmland/risky areas	Not Applicable	
5	Quarrying of construction materials and Plants Installment	Autho	and the second
5.1	Quarry/borrow operation sites	Not Applicable	NIPLUS .
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5.2	Crusher plant and Asphalt plant operation restoration	Asphalt Plant	
6 6.1 6.2	Impact/Disruption of Private properties Building structures Other utilities	Not Applicable Not Applicable	
7 7.1	Sites for cultural and religious values Cultural and religious sensitive spots (if any)	Not Applicable	
8	Forest and vegetation		
8.1	Number of trees removal	00	
8.2	No of tree plantation (Roadside)	Not Applicable	
9	Accident cases and records	No any records	
10.1	Employment to local people Men and women	Yes, both men and women	
10.2	Child labor (if any)	No	
11	Establishment of Safeguard desk and meeting	Yes	
12	Grievances from local people and addressed	Yes	-
13	SOP Approved		
13.1	Taking Temperature with infrared thermometer NC150	Yes	
13.2	Hand Sanitization with Automatic Dispenser	Yes	-
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roject (RUDP) nit (PIU)	COMPOSITION		FEMALE																								22	11-0	Lu	ЛВЛ	1 March	AA
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			Prime			Ashphalt				Precast	Production			Draract	Production				Kerbstone				Kerbstone			OUP INTERNAL	Road Paint	GM (
			13L26A			T1L13				Wanter and	Nosniyard			Madhumara	Yard			Cochalina Dand	neon by house		A PC ICT	ALSISSA A	South	Innoc		The second	T3LTSM	ISN
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	LOCAL	NON LOCAL	INDIAN	TOTAL	IUCAI	Z		TOTAL	LOCAL	NON LOCAL	INDIAN	TOTAL	LOCAL	NON LOCAL	TOTAL	 LOCAL	INDIAN INDIAN	TOTAL	LOCAL	NON LOCAL	INDIAN	TOTAL	
		Interlock					Manhole Raise			MH Benching	Cleaning			Drain			Drain			Slab Casting	Supress date		Ko
		T3L22					T1L8B			R3	2			R72			Rani			R6	1		Low Bhur V

-	anuary,2021			
	Month/Year: January,2021 4	ω	m	
	S	s	7	
-		m	m .	
Project Implementation Unit (PIU) Biratnagar, Nepal LABOUR DATA	σ	13	8 5 5	,
Project Implem Biratn	7	10	5 States Burning Charles	5
0	2 9	3 3	m 00 .	
	LOCAL NON LOCAL INDIAN TOTAL	LOCAL NON LOCAL INDIAN TOTAL	LOCAL NON LOCAL INDIAN TOTAL	
	Slab Casting	Drain	Weep Hole	
	CAO Road	R65	NRB Front	
	20	21	22	



<u>January, 2021</u>



-	T707'Å IPNII									BRAHMIN/ CHHETRI	0	0	0	0	
FOR ANALY AND A	INIDIAL PERIOD								IPOSITION	MADHESI	71	71	0	142	
									ETHNIC COMPOSITION	MUSLIM	35	9	0	41	
							-			DALIT	65	33	0	98	
										ITALINAL	11	5	0	16 *	A BUILDING AND
nit (PIU)									SITION	FEMALE	26	0	0	26	Contract Rupping
mplementation U Biratnagar,Nepal LABOUR DATA									COMPOSITION	MALE	156	115	0	271	(XA)
Project Implementation Unit (PIU) Biratnagar, Nepal LABOUR DATA									LABOUR	UNSKILLED	123	85	0	* 208	
									LA	SKILLED	59	30	0	89	
	LOCAL	NON LOCAL	INDIAN	TOTAL	LOCAL	NON LOCAL	INDIAN	TOTAL		LABOUR CLASS	LOCAL	NON LOCAL	INDIAN	TOTAL	
•															A CONTRACT OF A
		23	0			24		_							



Occupational health and safety

Regional Urban Development Project (RUDP)/Biratnagar

Name of Sub Project: RUDP/ Biratnagar Contract Package: RUDP/ICB/BRT/02 Sub-project Component: - Road Lanes Improvement / Sewerage Drainage Month: January 2021

	Chec	klist	
SN	Activity	Description/Present Status (Compliance/Partially Compliance/Non Compliance	Remarks/ Corrective actions for Non- Compliance
1	Occupational health and safety		
1.1	Insurance for workers	Yes	
1.2	Personal Protective Equipment (PPE) provided to labors and is using (helmet, facemasks, muffles, gloves, boots, jacket, goggles etc.)	Daily Provided	
1.3	Public notification Safety and warning signs and informative signboards in working sites for work	Yes Provided	
1,4	safety	a she and	
	Use of barricades, caution tape and flag	Daily Used	





Regional Urban Development Project (RUDP) Social Safeguard Monitoring Status of Key Social Issues Compliance

Subproject Road : -RUDP/ICB/BRT/2

Month/Year: Jan. 2021

Name of Contractor :-ZHONGGHENG Construction GroupInternational Engineering Co pvt Beijing Chaina.

Contract Package: RUDP/ICB/BRT/2

~ ~		C	ompliance Sta	atus			
S.N	Key Social Issuse	Full	Partial	None	- Implementing Agency	Note of Remarks	Deadline
1	Availability of drinking water services	V					
2	Availability of toilet facility in campsite	V				-	
3	Legal source of fuel wood use			V			
4	Legal document of fuel wood source			. V			
	Use of safety accessories	V					
	Availability of first aid facility	V					
	Basic wage rate to construction workers	V		-			
8	Equal wage rate to male and female workers		V				4
	Compensation of temporarily occupied land	V					
10	Compensation of temporarily occupied buildings	V		1			
t	egal document of emporarily occupied assets ton use of child labour in	V	Authority				
	construction activities	V	R	(Internet in the second			
pared	d by:	Xes	rerified by:	boet :	M	onitored by:	



SN.	Name	Position	Contact No	Remarks
1	Ravindra kumar Thakur	СМ	9801159860	
2	Dhirendra Yadav	Engineer	9801225283	
3	Randhir Singh	Engineer	9801159918	
4	Pradeep Yadav	Engineer	9801159896	
5	Jibachha Sah	Engineer	9805932183	
6	Dhirendra yadav jr	Engineer	9805913881	
7	Aanand Rayamajhi	Engineer	9801157317	1
.8	Rahul Kr Sharma	Sub-Engineer	9801159862	f1-
9	Sudip Chaudhary	Surveyor	9801159859	-
10	Sange Tamang	Sub-Engineer		
11	Ramesh Shrestha	Sub-Engineer		
12	Jitendra Yadav	Safety incharge	9801160166	
13	Kiran Chaudhary	SLT	9801225281	
14	Pramod shah	LT	9815779383	
15	Raj kr Mukhiya	LT		
16	Bishnu Hari Khanal	Chief Accountant	9801157314	
17	Jarman Nepal	Assistant Accountant		
18	Narsingh Bhandari	Vehicle incharge	9801157318	
19	Madan Bhattarai	Store Keeper	9801159634	

uth



Accavator ackhoe Loader sphalt plant of adequate capacity sphalt pavers ibrating roller neumatic tyre roller 8 to 10 ton	0 4 1 1 2
sphalt plant of adequate capacity sphalt pavers ibrating roller	1
sphalt pavers	1
ibrating roller	
ibrating roller	
noumatic tura rollar 9 to 10 ton	2
reuniatic tyre roller 8 to 10 ton	1
mooth wheeled roller 8 to 10 ton	2
pper	3
rane	1
/ater Tank	1
rader	2
itumen distributor (4 to 6 Kilo litre)-	1
/ater browser (minimum 5000 Litres)	6
hips spreader	- 0
itumen decanter minimum 18000 Litres.	2
ir compressor	2
pping Trucks	1
ervice vehicle	3
otal station	1
uto Level	5
lobile Generator 15-20 Kva	6
lixer Machine	5
roomer	2
ate Compactor	5
/ater Pump	4
lotorbike	- shuthority (P) (1) 12
actor	DIUDE 12
	pper rane fater Tank rader tumen distributor (4 to 6 Kilo litre)- fater browser (minimum 5000 Litres) hips spreader tumen decanter minimum 18000 Litres. r compressor pping Trucks ervice vehicle obtal station uto Level obile Generator 15-20 Kva ixer Machine roomer ate Compactor fater Pump otorbike

B. Details of Equipment at Site / Contractor's yard



ANNEX- 5: SOP Health Monitoring Format



	Annex 6	(B) Reg	131	h Moni	TO	l'emplate	e at Site/Offi		793 20		
	Project Name:	Constructi	on and Completi	t Biratnagat		ge, Road, Footp /ICB/BRT/02	oath and Road furnit				
				Yes/No							
S.No. Staff Name		Position	Temperature	Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	Remarks		
1	Giresh Chand	TL	93.1	NO	NU	NO	pes	yes			
2	H.K. Mandal	E./Qty S.	96.9	NO	04	NO	y-00	y-s			
3	Amit Kumar Gupta	CSE	93.1	NO	NO	NO	pro	po			
4	Rajan Shrestha	CSE									
5	Santosh Kumar Yadav	OM	96-9	ИВ	NO	NO	7-40	4.5			
6	Rajesh Kumar Yadav	Jr.	96.8	100	NO	NO	yes	7.3			
7	Deepak Majhee	Jr.	93.1.	NO	NO	ND	4-5	py			
8	Jaya Prakash Yadav	Jr.	95.9	NO	NO	NO	yus	4-5			
9	Ranjit Mandal	R/C	96.2	NO	NO	NO	4-5	ps			
10	Youba Raj Poudel	Driver	99.3	MO	p+0	NO	4-5	4-5			
11	Pulkit Gothiya Yadav	Driver	96.0	NO	NO	NO	Yas	yes			
12	Rudra Kharel	0/A	96.6	NO	NO	NN	7.5	7-5			
13	Kesab Katuwal	Guard	7+.1	NO	No	NO	400	4.00			

Annex 6 (B) Regular Health Monitiring Template at Site/Office.

	Project Name:	Constructi	on and Completio	on of sewer		ge, Road, Footj /ICB/BRT/02	oath and Road furnit	Date:07 J ure works C	antract No
						Yes/N	0		
S.No.	Staff Name	Position	Temperature	Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	Remarks
1	Giresh Chand	TL	79.1	NO	NO	NO	pes	ps	
2	H.K. Mandal	E./Qty S.	97.1	MO	NO	NO	y4	ps	
3	Amit Kumar Gupta	CSE	96.2	NO	NO	100	yes	45	
4	Rajan Shrestha	CSE							
5	Santosh Kumar Yadav	OM	96.9	μo	NO	NO	yes	yes	
6	Rajesh Kumar Yadav	Jr.	95.0	NU	NO	ND	yers	10	
7	Deepak Majhee	Jr.	97.1	NO	No	NO	yes	po	
8	Jaya Prakash Yadav	Jr.	97.1	NO	NO	NO	yres	40	
9	Ranjit Mandal	R/C	91.1	NO	NO	NO	400	YS	
10	Youba Raj Poudel	Driver	97.2	NO	NO	NO	y-n	pos	
11	Pulkit Gothiya Yadav	Driver	15.9	40	NO	NO	400	70-3	
12	Rudra Kharel	0/A	96-3	ND	NO	120	yes	45	
13	Kesab Katuwal	Guard	96.9	NO	NO	NO	yu .	40	



		1	1 mg	REDSO	15			Date: 12 J	an - 20
	Project Name:	Constructi	on and Completi	on of sewer:	C DUDD	ge, Road, Footp /ICB/BRT/02	oath and Road furnit	ure works C	ontract No
				- Jul # 1.		Yes/N	0		
S.No.		Position	Temperature	Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	Remarks
1	Giresh Chand	TL	96-9	No	NO	NO	yres	pes	
2	H.K. Mandal	E./Qty S.	76-9	po	NO	NO	pres	yus	
3	Amit Kumar Gupta	CSE	94.3	NO	NO	NO	1 m	ps	
4	Rajan Shrestha	CSE							
5	Santosh Kumar Yadav	OM	96.8	NO	NO	NO	pes	yes	
6	Rajesh Kumar Yadav	Jr.	94.6	NO	NO	NO	yes	pes	
7	Deepak Majhee	Jr.	91.8	NO	NO	NO	yes	pes	
8	Jaya Prakash Yadav	Jr.	96.8	NO	NO	NO	yes	yes	
9	Ranjit Mandal	R/C	96.2	NO	00	NO	pes	pes	
10	Youba Raj Poudel	Driver	95.5	000	NO	NO	yes	y-el	
11	Pulkit Gothiya Yadav	Driver	94.09	NO	NO	NO	4.18	pes	
12	Rudra Kharel	0/A	95.9	NO	NO	NO	yes	4-5	
13	Kesab Katuwal	Guard	73.1	NO	NO	NO	yes	yus	

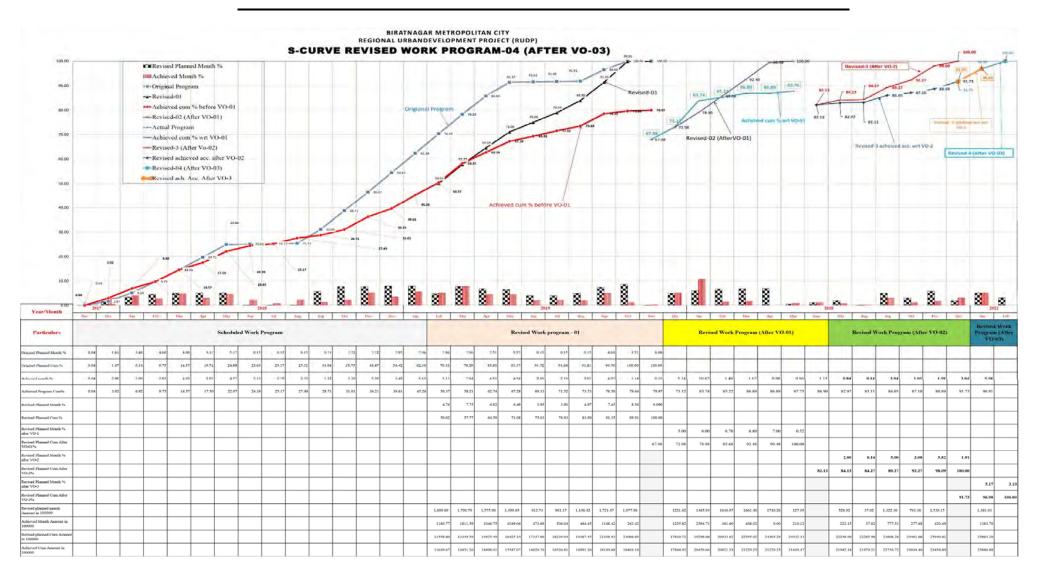
				DSC	:			Date:137	202 202
	Project Name:	Constructi	on and Completi	on of sewera		e, Road, Footp ICB/BRT/02	oath and Road furnit	ure works C	ontract No:
						Yes/N	0		
S.No.	Staff Name	Position	Temperature	Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	Remarks
1	Giresh Chand	TL	96.2	de0	NO	10	pes	70	
2	H.K. Mandal	E./Qty S.	93.5	MO	reo	NO	pro	4.00	
3	Amit Kumar Gupta	CSE							
4	Rajan Shrestha	CSE			_				
5	Santosh Kumar Yadav	OM	97.1	NO	NO	NO	yes	YB	
6	Rajesh Kumar Yadav	Jr.	93.2	NO	ND	NO	pes	yes	
7	Deepak Majhee	Jr.	975	NO	NO	NO	7-15	100	
8	Jaya Prakash Yadav	Jr.	97-1	NO	NO	NO	yous	pes	
9	Ranjit Mandal	R/C	95.2	NO	NO	NO	yes	75	
10	Youba Raj Poudel	Driver	96.0	Neo	NO	NO	yos	pes	
11	Pulkit Gothiya Yadav	Driver	15.0	reo	NO	NO	yes	fis	
12	Rudra Kharel	O/A	95.9	NO	NO	MO	14	pes	
13	Kesab Katuwal	Guard	9416	NO	NO	NO	y sa	ps	



ANNEX-6: S-Curve

(ATTACHED)







ANNEX-7: Master Plan of RUDP Project







<u>Regional Urban Development Project (RUDP)</u>