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



May 2019 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.** Sub Project 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
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	28th August 2017
Date of Commencement of Design and Supervision Consulting Service	6th September 2017
Date of Completion	5th September 2020
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
Contract Amount including PS and VAT	NRs. 2,611,092,249.63
Progress	
Road Rehabilitation (Asphalt)	40.74%
Sewer Line	85.62%
Storm Drain	100.00%
Road Side Drain	101.18%



	General Features
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	With respect to Revised Work Program-01: Planned: 71.08%, Actual: 67.28%; Lead (+) or Lag (-) by (-) 3.80% Lag Physical progress lagging due to delay in shifting of telecom cable, start of early monsoon, delay in IPC payment disbursement and shut down for relocation of electricity by NTC.
Financial Progress up to date (on the basis of IPC forwarded for disbursement)	In Percentage: 56.14%, In Figure: NRs. 1,465,761,717.73 (including VAT and PS) up to IPC – 08. IPC – 9 is under perusal. In Words: NRs. One Billion Four Hundred Sixty Five Millions Seven Hundred Sixty One Thousand Seven Hundred Seventeen and Seventy Three Paisa Only.

3. SUMMARY OF PROGRESS STATUS OF ALL MAJOR COMPONENTS

S.No	Description	Unit	BoQ Quantity Adate Progress up to date Remaining		Progress Status expressed in (%)	Remarks	
1	Sewer Line						
a	HDPE/RCC	m	20,082.00	17,194.70	2,887.30	85.62%	
b	Manhole	No.	685.00	533.00	152.00	77.81%	
c	Sewer Inlet	No.	1,010.00	555.00	455.00	54.95%	
d	House Connection	No.	3,784.00	1,211.00	2,573.00	32.00%	
2	Storm Water Dra	in					



S.No	Description	Unit	BoQ Quantity	un to Vomoining		Progress Status expressed in (%)	Remarks
a	RCC Drain	m	652.80	585.00	0.00	100.00%	Revised Length =585m
b	Piles	No.	132.00	138.00	0.00	100.00%	Exceeded
3	Road						
a	Subgrade	m	73,860.00	40,656.81	33,203.19	55.05%	
b	Subbase	m	73,860.00	40,656.81	33,203.19	55.05%	
c	Base	m	73,860.00	35,321.82	38,538.18	47.82%	
d	Prime	m	73,860.00	30,088.82	43,771.18	40.74%	
e	Asphalt	m	73,860.00	30,088.82	43,771.18	40.74%	
4	Road Side Drain	m	26,050.00	26,356.19		101.18%	

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) and remaining part of sewer lines in T4 completed and T3 have been identified and necessary survey and construction works are in progress. T1, T2, T3 & T4 Trunk along with the secondary lines are in progress, almost all the lines were completed except some of T3 secondary sewer lines. Details of proposed sewer lines are as below: -



S. No.	Description	Unit	Original Quantity
1	Sewerage Pipe Supply and Installation	m	20,082.00
	Reinforced Concrete Pipe laying and jointing		2241.00
	Line T2 (Secondary)	m	206.00
	Line T3 (Trunk)	m	1905.00
	Line T4 (Trunk)	m	130.00
	HDPE laying and jointing	m	17,841.00
	Line T1 (Secondary)	m	1,825.00
	Line T2 (Secondary)	m	3,927.00
	Line T3 (Secondary)	m	9,997.00
	Line T4 (Secondary)	m	2,092.00
2	Manhole (Brick / RCC)	no.	685.00
3	Sewer Inlet	no.	1,010.00
4	House Connection	no.	3,784.00
5	Reinstatement of Roads	km	73.86
6	Road side Drain	Km	26.05
7	Storm Water Drain	m	652.8

Table 1: PROPOSED ALL MAJOR COMPONENTS OF THE PROJECT



Table: - 2 PHYSICAL PROGRESS IN SEWER LINES till date

		В	oQ	Up to Pr	e Month	This	month	Total	to date	-
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)	206.00	6.00	205.00	6.00	-	-	205.00	6.00	
2	Hume pipe (T3)	1,905.00	58.00	1,304.50	20.00	232.00	2.00	1,536.50	22.00	
3	Hume Pipe (T4)	130.00	4.00	326.00	11.00	_	-	326.00	11.00	
Subtotal in (m)		2,241.00	68.00	1,835.50	37.00	232.00	2.00	2,067.50	39.00	
HDPE Pipe				-		-	•			•
1	HDPE (T1)	1,825.00	57.00	1,743.20	54.00			1,743.20	54.00	
2	HDPE (T2)	3,927.00	147.00	3,201.50	121.00			3,201.50	121.00	
3	HDPE (T3)	9,997.00	316.00	7,849.50	256.00	341.00	8.00	8,190.50	264.00	
4	HDPE (T4)	2,092.00	68.00	1,992.00	55.00			1,992.00	55.00	
Subtotal in	(m)	17,841.00	588.00	14,786.20	486.00	341.00	8.00	15,127.20	494.00	
Total		20,082.00	656.00	16,621.70	523.00	573.00	10.00	17,194.70	533.00	85.62%

SN	Description	BoQ (Nos.)	Up to Pre Month	This month	Total to date	Progress %
1	Sewer inlet	1,010.00	489.00	66.00	555.00	54.95
2	House connection	3,784.00	1,136.00	75.00	1,211.00	32.00



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 the works except some minor works at inlet and outlet which have been stopped due to monsoon. The detail of the progress is shown in the table:

S N		Length in m						Work Completed				Length	
	Name of	Origin	Revise	Progress		Cum	Type of	Brick		RCC		of Covered	Remarks
	Drain	al	d	Previo us	This Month	ulativ e	Drain	m	m ³	m	m ³	Drain in m	
1	CN2-CN3 (Chyangh Baari Nala)	652.89	585	570	15	585	RCC, closed			585		585	completed
2	CN2-CN3 (Chyangh Baari Nala)	132 nos piles	138	138	0	138 nos.							Piling works 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 73.86 km. Some of the roads of the project has been completed and some of them are in the process of being upgraded.

Out of 73.86 km. about 40.65 Km. has been attempted for Sub Base but due to early monsoon and lack of fund the Asphalt work is delaying.

About 30.00 km. Asphalt work is completed yet, progressing toward achieving more progress in this regard. The summary of physical progress is presented below: -



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

				Ι	Length in m					R			
SN	Road	Name of			Prog	ess		Sub-base	Base	Asphalt	RCC	Paint	em
SI (Number	Road	Original	Revised	Previous	This Month	Total	m	m	m	m	m	Remarks
1	R42	Bhagwati Marg	218.00	218.00	218.00		218.00	218.00	218.00	123.00			
2	R5	College Road	970.00	970.00	650.00		650.00	650.00	650.00	599.20			
3	B2	Gauri Shankar Marg	2,777.83	2,777.83	2,152.00		2,152.00	2,152.00	2,152.00	2,152.00	210.00		
4	R65	Satghumti Marg	282.00	320.00	320.00		320.00	320.00	320.00				
5	R107		173.00	215.00	215.00		215.00	215.00	215.00				
6	R107 a		50.00	50.00	50.00		50.00	50.00	50.00				
7	R104	VIP Marg	273.00	273.00	273.00		273.00	273.00	273.00	273.00			
8	R8	Madhumara Marg	600.00	600.00	600.00		600.00	600.00	600.00	582.00			
9	B1	Kanchan Marg	1,172.94	1,173.00	1,173.00		1,173.00	1,173.00	1,106.00	1,106.00		1,106.00	
10	R21	Pratibha Marg	1,320.00	1,320.00	1,330.00		1,330.00	1,330.00	1,330.00	1,330.00		1,012.80	
11	B3	Keshaliya Marg	1,574.00	1,574.00	1,574.00		1,574.00	1,574.00	1,574.00	1,574.00			
12	S13		1,617.00	1,617.00	1,417.00		1,417.00	1,417.00	1,417.00	1,417.00		1,812.60	
13	R12	Kanchha Dai Marg	1,192.00		1,297.00		1,297.00	1,297.00	1,297.00	897.00			
14	Rani site	Rani	4,023.00	4,023.00	2,315.00	135.40	2,450.40	2,450.40	1,837.40	1,702.00			
15	R16	Satya Marg	604.00	604.00	604.00		604.00	604.00	604.00	542.10			
16	R26	Pasang Marg	617.00	654.00	654.00		654.00	654.00	654.00	654.00			



				Ι	Length in m				Work Con	npleted			R
SN	Road	Name of			Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	em
DIV	Number	Road	Original	Revised	Previous	This Month	Total	m	m	m	m	m	Remarks
17	R28	Pustakalaya Marg	635.00	635.00	635.00		635.00	635.00	635.00	339.20			
18	R27	Peepal Marg	810.00	810.00	580.00	154.32	734.32	734.32	734.32	400.00		639.20	
19	R25	Devi Marg	599.00	580.00	580.00		580.00	580.00	580.00	561.70			
20	R24	Prabhat Marg	384.41	380.00	518.15		518.15	518.15	518.15	518.15			
21	R37	Banglamukh i Marg	420.00	477.00	477.00		477.00	477.00	477.00	477.00			
22	R7	Manakaman a Marg	814.00	814.00	542.00		542.00	542.00	542.00	242.00			
23	R30	Shanti Marg	212.00	212.00	123.10		123.10	123.10	123.10	123.10			
24	R9	Fadindra Marg	123.00	123.00	119.00		119.00	119.00	119.00	119.00			
25	S11	Samrat Marg	660.00	660.00	660.00		660.00	660.00	504.60	504.60		504.60	
26	R22	Amar Marga	373.10	367.65	367.65		367.65	367.65	367.65	367.65			
27	R29	Shanti Marg	620.00	620.00	403.00	281.70	684.70	684.70	684.70	357.70		585.60	
28	R36	Gaurav Marg	218.00	218.00	220.00		220.00	220.00	220.00	220.00		440.00	
29	R33	Tarun Marg	285.00	285.00	280.00		280.00	280.00	280.00	280.00			
30	R64	Satya Narayan Marg	121.00	121.00	121.00		121.00	121.00	121.00				
31	R8		-	225.00	225.00		225.00	225.00	225.00	225.00			
32	N36		-	190.00	190.00		190.00	190.00	186.95	186.95			
33	R188	Shakti Marg	-	120.00	120.00		120.00	120.00	120.00	120.00			
34	R2	Main Road	-	-	1,085.00		1,085.00	1,085.00	350.00	350.00		350.00	



				Ι	length in m				Work Con	npleted			R
SN	Road	Name of			Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	em
SIV	Number	Road	Original	Revised	Previous	This Month	Total	m	m	m	m	m	Remarks
35	T3 Line 6A	Pandit Meghnath Marg	-	220.00	220.00		220.00	220.00	220.00	220.00			
36	T2 Line 24C	Nava Jyoti Marg	-	205.00	205.00		205.00	205.00					
37	T2 Line 24D	Nava Jyoti Marg	-	210.00	210.00		210.00	210.00					
38	R63 (DSP Road)	DSP Road	420.00	420.00	420.00		420.00	420.00	395.00	395.00			
39	R90	Shakti Marg	450.00	320.00	320.00		320.00	320.00	320.00	320.00		640.00	
40	R77	Arniko Marg	80.00	80.00	80.00		80.00	80.00	80.00	80.00			
41	R76	Mitra Marg	270.00	270.00	270.00		270.00	270.00	270.00	270.00		541.20	
42	R183	Nava Jyoti Marg	240.00	240.00	240.00		240.00	240.00	220.00	220.00			
43	T1 L16B	Xenial Front	210.00	210.00	210.00		210.00	210.00	205.00	205.00			
44	T1L16A	Xenial South	140.00		180.00		180.00	180.00	180.00	180.00			
45	R114	Dharanidhar Marg	560.00	560.00	560.00		560.00	560.00	560.00	560.00		560.00	
46	R113	Kavi Lekh Marg	740.00	740.00	740.00		740.00	740.00	740.00	740.00			
47	R5a		370.00	370.00	370.00		370.00	370.00	370.00	370.00			
48	Rani site B		600.00	520.00	520.00		520.00	520.00	520.00	520.00			
49	R3	Dharamban Marg	-	2,230.00	2,233.00		2,233.00	2,233.00	2,150.30	2,150.30		2,080.30	
50	R78	Sombare - Highway	92.00	92.00	92.00		92.00	92.00	92.00	92.00			



				Ι	Length in m				Work Con	npleted			R
SN	Road	Name of			Prog	ess		Sub-base	Base	Asphalt	RCC	Paint	em
511	Number	Road	Original	Revised	Previous	This Month	Total	m	m	m	m	m	Remarks
51	R84	West of school	673.00	235.00	330.00	143.20	473.20	473.20	379.20	236.00			
52	R85	Machha Line	153.00		160.00		160.00	160.00	160.00	160.00			
53	R87	Mahabir Chowk	150.00	148.00	148.00		148.00	148.00	110.00	110.00			
54	R86	Petrol pump side -R12			293.00		293.00	293.00	293.00	293.00			
55	R11	R18/R86	281.00	281.00	281.00		281.00	281.00	205.00	205.00			
56	N3	Jatuwa	120.00	117.00	117.00		117.00	117.00					
57	N4	Jatuwa	170.00	168.00	168.00		168.00	168.00	168.00	60.00			
58	R10	Ram Marga	1,092.00	1,092.00	292.00		292.00	292.00	292.00	292.00		853.20	
59	T2L26F	APF	61.50	61.50	55.00		55.00	55.00					
60	T2L27		80.00	80.00	80.00		80.00	80.00	80.00	80.00			
61	R122		265.55	265.55	265.55		265.55	265.55	265.55	265.55		497.40	
62	N9		220.42	220.42	220.42		220.42	220.42	220.42	220.42			
63	R17		610.06	610.06	365.00		365.00	365.00	365.00	365.00		730.00	
64	R18		465.78	465.78	370.00		370.00	370.00	370.00				
65	N2		75.84	75.84	75.84		75.84	75.84					
66	T3L6	Moti marga			170.00		170.00	170.00	170.00	170.00			
	T3L6	Elite club - CDO Office				107.00	107.00	107.00					
	T3L6	Balmandir - Ganesh Mandir				380.00	380.00	380.00					



				J	Length in m				Work Con	npleted			R
SN	Road	Name of			Progr	ess		Sub-base	Base	Asphalt	RCC	Paint	em
511	Number	Road	Original	Revised	Previous	This Month	Total	m	m	m	m	m	Remarks
	T3L6	CDO Office front				49.40	49.40	49.40					
67	T3L6A	Golchha Marga			220.00		220.00	220.00	220.00	220.00			
68	T3L23	Madhumara road			421.00		421.00	421.00	300.00	300.00		358.40	
69	R45	Bata road			505.00		505.00	505.00	295.00	295.00			
70	T3L21				400.00		400.00	400.00	400.00	400.00		774.00	
71	N5				70.00		70.00	70.00	70.00	70.00		122.00	
72	T3L39				400.00		400.00	400.00	400.00	400.00		491.00	
73	T3L39A				130.00		130.00	130.00	130.00	130.00		179.40	
74	T3L39B				80.00		80.00	80.00	80.00	80.00		117.60	
75	R68 - T2L24G				220.00		220.00	220.00					
76	N10				194.00		194.00	194.00					
77	T3L24C				170.00		170.00	170.00					
78	T3L9				278.00		278.00	278.00					
79	R6				935.20	293.00	1,228.20	1,228.20	1,228.20	935.20			
80	N24				136.00		136.00	136.00	136.00	136.00			
81	R31				-	188.70	188.70	188.70	188.70				
82	Bindabas ini Marga					352.28	352.28	352.28	352.28				
83	Bhattimo de to Hartaliha at					166.50	166.50	166.50	166.50				
84	R73					217.00	217.00	217.00	217.00				
85	R6	Bata Galli				269.00	269.00	269.00	269.00				



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				I	Length in m				Work Con	npleted			R
SN	Road	Name of			Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ema
511	Number	Road	Original	Revised	Previous	This Month	Total	m	m	m	m	m	Remarks
86	R9 (R41- R7)					194.80	194.80	194.80	194.80				
87	T3L23C					65.20	65.20	65.20					
88	R44	Thakurbari Road				357.50	357.50	357.50					
89	R102	Main				140.00	140.00	140.00					
90	R102	Branch				71.30	71.30	71.30					
91	R103					170.40	170.40	170.40					
92	R32					188.00	188.00	188.00	188.00				
93	T2L18Y					116.20	116.20	116.20					
94	R20					108.00	108.00	108.00					
	Total		32,328.43	33,733.63	36,507.91	4,148.90	40,656.81	40,656.81	35,321.82	30,088.82	210.00	14,395.30	



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

				Cat	egory		I	ength in r	n		Foo	tpath	S
SN	Road	Name of	Type*	Cat	cgory			Prog	ress		100	epaen	Remarks
	Number	Road	U I	<3m	>3m	Original	Revised	Previous	This Month	Cumulative	m	m ²	Rer
1	B2	Gauri Shankar Marg	Precast block			2,777.83	2,777.83	1,700.00		1,700.00	1,700.00	3,888.96	
2	S11	Bhatta Chowk to Sankhar Chowk	Precast block			900.00	900.00	300.00		300.00	300.00	270.00	
3	B3 (3)	Keshaliya Road	Precast block					500.00		500.00	500.00	1,200.00	
4	R16	Jatuwa	Precast block					400.00		400.00	400.00	440.00	
5	R21		Precast block					230.00	50.00	280.00	280.00	280.00	
6	Rani		Precast block						850.00	850.00	850.00	510.00	ł



SN	Description	Unit	Proposed	Total Up to Previous Month	This Month	Total Up to this Month	Progress
1	Subgrade	m	73,860.00	36,507.91	4,148.90	40,656.81	55.05%
2	Sub Base	m	73,860.00	36,207.91	4,448.90	40,656.81	55.05%
3	Base	m	73,860.00	32,737.92	2,583.90	35,321.82	47.82%
4	Prime/Tack	m	73,860.00	30,088.82	-	30,088.82	40.74%
5	Asphalt	m	73,860.00	30,088.82	-	30,088.82	40.74%
6	Paint	m	73,860.00	14,395.30	-	14,395.30	19.49%



3.1.4. ROAD SIDE DRAIN

Most of the roads under this project for upgrading is without drain or existing drain in poor condition. The project has provisioned drain at both sides or one side as per the RoW of the road. The contractor has already started drain works at many locations. 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 n	1		Work Con	npleted	
SN	Road Numbe	Name of			Progr	ess		Brick	RCC	Remarks
	r	Road	Original	Revised	Previous	This Month	Total	m	m	Rem
1	B1	Kanchan Marg	_	-	90.00		90.00	90.00		
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	89.58		89.58	89.58		
6	R63	DSP Road	418.79		418.79		418.79	418.79		
7	R9	Baglamu khi path	120.00	103.20	103.20		103.20	103.20		
8	S13	Udaya Marga	_	158.10	158.10		158.10	158.10		
9	N33		-	70.00	70.00		70.00	70.00		
10	R28	Pustakala ya Marg	340.00	278.00	278.00		278.00	278.00		
11	R90	Shakti Marg	320.00		313.25		313.25	313.25		
12	R114	Dharanid har Marg	-	312.33	312.33		312.33	312.33		



					Length in n	1		Work Con	npleted	
SN	Road Numbe	Name of			Prog	ess		Brick	RCC	Remarks
	r	Road	Original	Revised	Previous	This Month	Total	m	m	Rem
13	R11	Om Shiv Marg	-		200.17	25.00	225.17	225.17		
14	R18		-	382.50	381.50		381.50	381.50		
15	R17		-		75.00		75.00	75.00		
16	R113	Kavi Lekhnath Marg	-	312.45	72.45		72.45	72.45		
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	-		22.70		22.70	22.70		
20	N4		-	170.00	146.38		146.38	146.38		
21	R33	Tarun Marg	-	265.00	264.48		264.48	264.48		
22	R36	Gaurav Marg	218.00		216.45		216.45	216.45		
23	R86	Janpath Marg	215.00		187.55		187.55	187.55		
24	R183	Nava Jyoti Marg	242.00		211.05		211.05	211.05		
25	R7a		77.81		65.00		65.00	65.00		
26	Rani site	Rani B	-	650.00	530.00		530.00	530.00		
27	Rani site	Rani A	-	300.00	270.00		270.00	270.00		



					Length in n	n		Work Con	npleted	
SN	Road Numbe	Name of			Prog	ress		Brick	RCC	Remarks
	r	Road	Original	Revised	Previous	This Month	Total	m	m	Rem
28	N3		-		110.00		110.00	110.00		
29	N5		-		65.00		65.00	65.00		
30	R21	Binayak Marga	-	390.00	388.25		388.25	388.25		
31	R2	Main Road	2,060.00	2,060.00	1,932.50	40.00	1,972.50	1,972.50		
32	T1L16B	Xenial Front	-		205.68		205.68	205.68		
33	T1L16A	Xenial South	-	160.00	150.20		150.20	150.20		
34	R75	Tintoliya Marga	135.00	135.00	127.50		127.50	127.50		
35	R122	Amar Marga	-		250.48		250.48	250.48		
36	R18 Branch		-	30.00	30.00		30.00	30.00		
37	R7(b)(N euro to sidharth a chowk)	Siddharth a Marga	317.00	317.00	300.00		300.00	300.00		
38	R12	Sukra Path	-		290.00		290.00	290.00		
39	R42	Jahada Marga	-		171.00		171.00	171.00		
40	R6	Shahi Marg	460.00		720.00	40.00	760.00		760.00	
41	R21(a)	DharamB adh Junction	-	160.00	80.00		80.00	80.00		



					Length in n	n		Work Con	npleted	
SN	Road Numbe	Name of			Prog	ress		Brick	RCC	arks
	r	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
42	R78	Binayak Marga	92.00	70.00	70.00		70.00	70.00		
43	R188	Shakti Marg		120.00	115.60		115.60	115.60		
44	R40	Brahma Kumari Marga	-		150.00	200.00	350.00	350.00		
45	Rani Site C		-	100.00	97.50		97.50	97.50		
46	Ranit Site D		-	131.45	131.45		131.45	131.45		
47	T3L21	Moti Marga	380.00	380.00	360.95		360.95	360.95		
48	T3L39	Gaheli Marga	-	278.00	270.00		270.00	270.00		
49	T3 Line 39A		-	90.00	90.00		90.00	90.00		
50	T3 L39B		-	-	90.00		90.00	90.00		
51	T2L27	Bhumi Prashasa n Junction	92.00	80.00	79.50		79.50	79.50		
52	T4 Line 1	Sailesh Marg	-	197.00	100.00		100.00	100.00		
53	N2				95.00		95.00	95.00		
54	T2 Line 26E	College Road	80.00	80.00	90.00		90.00	90.00		
55	T2 Line 18C	Maisthan Marga	-	105.00	102.00		102.00	102.00		
56	T2Line 18A	Makalu Marga	90.00		60.00		60.00	60.00		



						Work Completed				
SN	Road Numbe	Name of			Prog	ress		Brick	RCC	arks
	r	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
57	R6 (T3L11i)		-	275.00	247.50		247.50	247.50		
58	R9 (T3L11 k)	Tathasthu Marga	-	200.00	180.00		180.00	180.00		
59	R45 (T3Line 10D)	Dadhira m Marga	302.00	302.00	260.00		260.00	260.00		
60	R9, T2 L19	Fanindra Marga	256.00	256.00	215.00	30.00	245.00	245.00		
61	R7c (Neuro to Shanti Chowk	Siddharth a Marga	240.00		305.00		305.00	305.00		
62	R84	School Marga	673.00		663.00		663.00	663.00		
63	R85	Lekhanat h Marga	162.00		150.00		150.00	150.00		
64	R87	Byas Marga	160.00		150.00		150.00	150.00		
65	Rani B (Bus park)		-	120.00	90.00		90.00	90.00		
66	R8(a)	Madhum ara Marg	218.00		285.00		285.00	285.00		
67	T3L23A		263.47	263.47	100.00		100.00	100.00		
68	Rani E		85.00	85.00	85.00		85.00	85.00		
69	R102	Hamro Marg			132.50		132.50	132.50		



					Work Completed					
SN	Road Numbe	Name of			Prog	ress		Brick	RCC	arks
	r	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
70	R10/R1 0a	Ram Marga	1,092.41		740.36		740.36	740.36		
71	N10	APF	154.48	154.48	150.00		150.00	150.00		
72	R23	Bani Marg	226.12	226.12	200.00		200.00	200.00		
73	R103	Vibuti Marga	173.00	173.00	162.50		162.50	162.50		
74	T3L6	Sahid Marga		350.00	350.00		350.00	350.00		
75	P1, T3L6A	Pandit Meghnat h Marga	280.00	280.00	260.00		260.00	260.00		
76	T2 L24C & D	Hanuman Das Marga	176.93	176.93	130.00		130.00	130.00		
77	R99	APF	187.00	187.00	187.00		187.00	187.00		
78	T2 L25		409.00	409.00	150.00		150.00	150.00		
79	R20		190.00	190.00	60.00		60.00	60.00		
80	T2L24F		120.00	120.00	60.00		60.00	60.00		
81	R105		168.19	168.19	150.00		150.00	150.00		
82	R34	Prabhu Marg	151.00	151.00	158.35		158.35	158.35		
83	R35	Garima Marg	138.00	138.00	138.00		138.00	138.00		
84	R107		180.00	180.00	160.00		160.00	160.00		



					Work Completed					
SN	Road Numbe	Name of			Prog	ress		Brick	RCC	arks
	r	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
85	T3L13D		80.00	80.00	70.63		70.63	70.63		
86	T3L13E		70.00	70.00	62.40		62.40	62.40		
87	T3L11E		160.00	160.00	110.00		110.00	110.00		
88	B2				76.50		76.50	76.50		
89	R78				35.00		35.00	35.00		
90	R7b				288.50		288.50	288.50		
91	T3L21A				25.00		25.00	25.00		
92	R74				96.00		96.00	96.00		
93	R46				120.00		120.00	120.00		
94	R101				160.00		160.00	160.00		
95	T3L7A				100.00	25.00	125.00	125.00		
96	T3L8				75.00		75.00	75.00		
97	R20				100.00		100.00	100.00		
98	R5				200.00		200.00	200.00		
99	R67				110.00		110.00	110.00		
100	R82				350.00		350.00	350.00		



					Work Completed					
SN	Road Numbe	Name of			Prog	ress		Brick	RCC	arks
	r	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
101	T1L13A				100.00		100.00	100.00		
102	T1L14A				150.00		150.00	150.00		
103	R68				200.00		200.00	200.00		
104	T3L22A				150.00	100.00	250.00	250.00		
105	T3L22B				120.00		120.00	120.00		
106	T3L25C				130.00		130.00	130.00		
107	T3L11B				60.00		60.00	60.00		
108	T3L11 M				50.00		50.00	50.00		
109	R106				70.00		70.00	70.00		
110	R41				520.00		520.00	520.00		
111	T2L19B				110.00		110.00	110.00		
112	R30				180.00		180.00	180.00		
113	T3L13C				100.00		100.00	100.00		
114	T3L13J				72.53		72.53	72.53		
115	T2L18Y				100.00		100.00	100.00		
116	T2L19P				114.38		114.38	114.38		



					Work Completed					
SN	Road Numbe	Name of			Progr	ess		Brick	RCC	arks
	r	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
117	T2L19Q				126.55		126.55	126.55		
118	R9A				208.73		208.73	208.73		
119	R9B				25.00		25.00	25.00		
120	T3L7	Sahid Marga			315.00	40.00	355.00	355.00		
121	T2L18K				40.00		40.00	40.00		
122	T3L23C				30.00	35.00	65.00	65.00		
123	T2L24E	Mahabir Marga			60.00		60.00	60.00		
124	R44				370.00	20.00	390.00	390.00		
125	R110				150.00		150.00	150.00		
126	Parichay a Marga				100.00		100.00	100.00		
127	T3L25B				200.00		200.00	200.00		
128	T1L5, 5A				590.00		590.00	590.00		
129	R82				110.00		110.00	110.00		
130	T2L19Y				-	100.00	100.00	100.00		
131	T3 Trunk	Sahid & Sanihat Marga			_	495.00	495.00	495.00		
132	T2L19F				-	55.00	55.00	55.00		



	Road Numbe r	Name of Road			Length in n	ength in m Work Co				
SN				Prog	ress		Brick	RCC	Remarks	
			Original	Revised	Revised Previous	This Month	Total	m	m	Ren
133	T2L18D				-	20.00	20.00	20.00		
134	R19				-	100.00	100.00	100.00		
135	R83	Shiva Marga			-	120.00	120.00	120.00		
136	T310B, T3L7D (R46)	Rangeli Road			-	250.00	250.00	250.00		
	Total				24,661.19	1,695.00	26,356.19	25,596.19	760.00	



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 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 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 and excess construction materials are stocked at Madhumara site and at the open space at north 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 equipments 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 camp is provided in annex.

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.

The numbers of toilets in each camp is also attached hereby in annex. 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 Chis yang.

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 around 6 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 project is the environmental improvement project and mainly constitutes sewerage and 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.



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 works). 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 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 were received verbally, only 9 grievances have been registered formally which have immediately been addressed and resolved. This month, some grievances for some stretches were received verbally and were addressed immediately.

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 (7 numbers) at Construction sites, thus Contractor was instructed as follow:

- i. Encourage to Local Female Employment as Labor and skilled man power.
- 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 date 1st, 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 equipments.

The implementation of Social and Environmental Safeguard measures during this month was found partially satisfactory. The contractor has conducted water quality test and the report is attached in the Annex.

3.4.5. STATUS OF RELOCATION OF SERVICES

Electric poles were relocated at R7, R12, R6, R27, R28 and R31, etc as per shut down schedules. Similarly, relocation of water supply pipe lines was done at T3L10 permanently and at T3L22A, T3 Trunk and Thakur Bari Road, etc supply were provided temporarily.

Labour	Labour		Comp	osition		Ethn	ic compos	sition	
class	Skilled	Unskilled	Male	Female	Janjati	Dalit	Muslim	Madhesi	Brahmin/ Chhetri
Local	28	82	110	0	10	11	5	84	0
Non local	84	294	365	13	74	66	31	207	0
Indian	19	67	86	0	0	20	20	46	0
TOTAL	131	443	561	13	84	97	58	337	0

Table – 5: Status of Labor at Site



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	Submitted Amount(NRs)	Remarks
1	IPC 01	15 th October 2017	339,105,000.00	Mobilization Advance
2	IPC 02	2 nd April 2018	261,501,492.21	
3	IPC 03	1 st July 2018	316,582,708.58	
4	IPC 04	1 st October 2018	105,227,887.17	
5	IPC 05	2 nd December 2018	95,951,603.44	
6	IPC 06	3 rd January 2019	264,937,394.99	
7	IPC 07	12th April 2019	313,626,008.32	
8	IPC 08	9th May 2019	107,934,623.02	
	amount exclu ace till date =	ding PA & Mobilization	1,465,761,717.73	

Note: IPC - 09 is under perusal.

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:



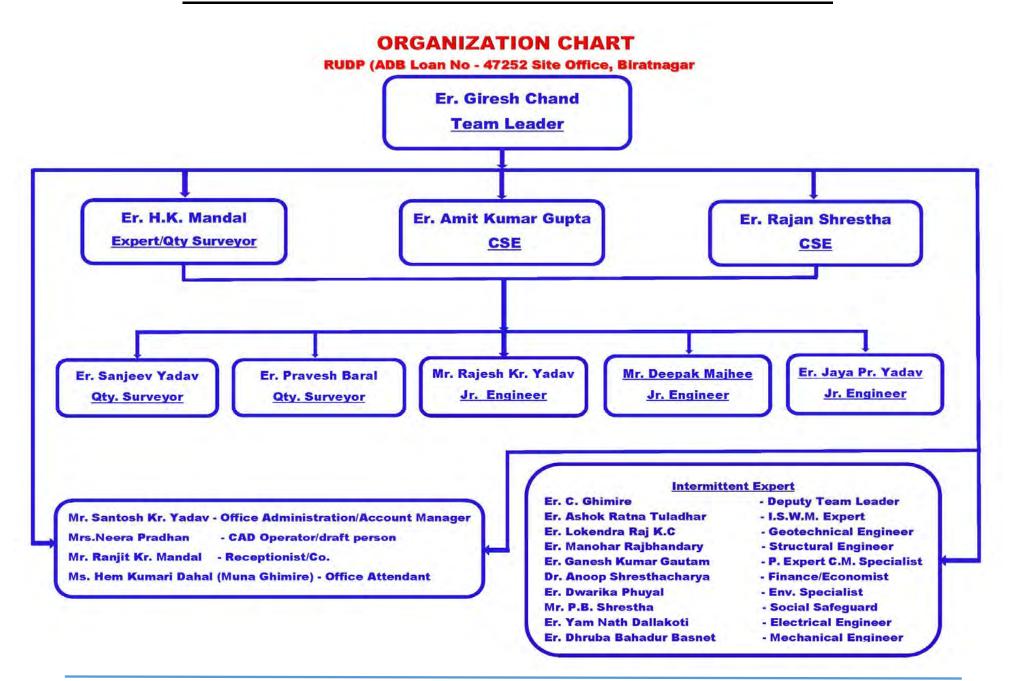
- Detailed Design and Procurement Assistance Phase for integrated solid waste management design (ISWM)
- Monthly progress report and quarterly progress report.
- Semi- annual Environmental monitoring report.
- Semi-annual Safeguard monitoring report.
- Annual progress report including annual Environmental / Social safeguard monitoring report, assets.
- Detailed draft final report for our puts, 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	Giresh Chand	Team Leader	6 th Sep 2017	
2	Ashok Ratna Tuladhar	ISWM (Designer)	6 th Sep 2017	Intermittent
3	Dwarika Phuyal	Environmental Safeguard Expert	1 Nov 2017	Intermittent
4	Prakash Bhakata Shrestha	Social Safeguard Monitoring Expert	26 th dec-2017	Intermittent
5	Hare Krishna Mandal	Expert/Quantity surveyor	1 st Nov 2017	
6	J.P Yadav	Construction Supervision Engineer	1 st March 2018	Discontinued the service since 25 th April, 2018.
7	A.K Gupta	Construction Supervision Engineer	1 st March 2018	
8	Nishant K.C.	Construction Supervision Engineer		Discontinued the service since 1 st October, 2018.
9	Amod Adhikari	Construction Supervision Engineer	7 th Oct 2018	Discontinued the service since 1 st April, 2019.
10	Rajan Shrestha	CSE/Quantity Surveyor	7 th Nov 2017	Work as a CSE from 1st May 2019.
11	Ganesh Kumar Gautam	P. Expert C.M. Specialist	5 th May 2019	Intermittent
12	Lokendra Raj K.C.	Geotechical Engineer	5 th May 2019	Intermittent
13	Rajesh Kumar Yadav	Junior Engineer-1	6 th Sep 2017	
14	Sanjeev Yadav	Qty. Surveyor	5 th Nov 2017	
15	Santosh Kumar Yadav	Office Administration/Account Manager	6 th Sep 2017	
16	Hem Kumari Dahal (Muna Ghimire)	Office Attendant	6 th Sep 2017	
17	Ranjit Kumar Mandal	Receptionist	10 th Dec 2017	
18	Pravesh Baral	Junior Engineer-2/Surveyor	10 th Dec 2017	



SN	Name	Designation	Joining date	Remarks
19	J.P Yadav	Junior Engineer-3	1 st March 2018	
20	Deepak Majhee	Junior Engineer-4	1 st March 2018	
21	Arun Kumar Yadav	Junior Engineer-5	16 th March 2018	
22	Neera Pradhan	CAD operator/Draft Person	10 th Dec 2017	
23	Yub Raj Poudel	Driver	10th 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, manhole etc.) for better work progress of the project. The Contractor has established two production yards for pre-cast item (Kerb stone, drain cover slab, man whole etc.) and production 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 will be tested very soon in presence of consultant TL/PIU and contractor representative.

Month	Target This Month		Achievement This Month		Leading		Lagging		Remarks
Month	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Kemarks
July-18	0.15%	25.17%	0.78%	25.18%	0.63%	0.01%		NA	Leading
August-18	0.15%	25.32%	2.32%	27.50%	2.17%	2.18%		NA	Leading
September- 18	5.71%	31.03%	1.22%	28.72%	NA	-2.31%		-2.31%	Lagging
October-18	7.72%	38.75%	2.30%	31.03%	NA	-7.72%		-7.72%	Lagging
November- 18	7.72%	46.47%	5.20%	36.22%	NA	-10.25%		-10.25%	Lagging
December- 18	7.95%	54.41%	3.40%	39.62%	NA	-14.79%		-14.79%	Lagging
January-19	7.96%	62.37%	5.65%	45.27%	NA	-17.10%		-17.10%	Lagging
February- 19	7.96%	70.33%	5.11%	50.38%	NA	-19.95%		- <u>19.95%</u>	Lagging
February- 19 (after Revision)	5.33%	50.03%	5.11%	50.38%	NA	0.35%		NA	Leading
March -19	7.75%	57.77%	7.84%	58.21%	NA	0.44%		NA	Leading
April-19	6.82%	64.59%	4.53%	62.74%	NA	-1.85%		-1.85%	Lagging
May-19	6.49%	71.08%	4.54%	67.28%	NA	-3.80%		-3.80%	Lagging

5.2. PROGRESS ACHIEVED TILL DATE

Note- Lagging due to delay in shifting of telecom poles, due to start of early monsoon, **delay in IPC payment disbursement** and shut down for relocation of electricity by NTC.



5.3. KEY EVENTS

The consultant has noted the following key dates for the month of May, 2019.

Table 8: KEY DATES of EVENTS / ACTIVITIES

S. No.	Date	Activities/Events	Remarks
1		Frequent visit of sites by the representatives of the employer.	
3	19 th May 2019	One day awareness program on sewer system, connection to households and about Operation & Maintenance	BMC, PIU, the Consultant, the Contractor & Stakeholder's.
4	26 – 31 May 2019	Mr Yagya Bahadur Malla, PMC, RUDP, Kathmandu	Site visit including to verify grievances of Pasang Marga (R26).



6. DETAILS OF PRE CAST ACTIVITIES.

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

	Physical Progress till date									
			P	rogress	_					
S.N.	Description	Unit	Unit BoQ Previous Moi		This Month (RM.)	Total to Date (RM.)	Remarks			
1	Precast Slab	No		48,371.00	0.00	48,371.00	Under progress			
2	Kerb Stone	Rm	147,729.68	77,293.30	0.00	77,293.30	52.32%			

Table 10: PHYSICAL PROGRESS in PRODUCTION 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				
	Total									



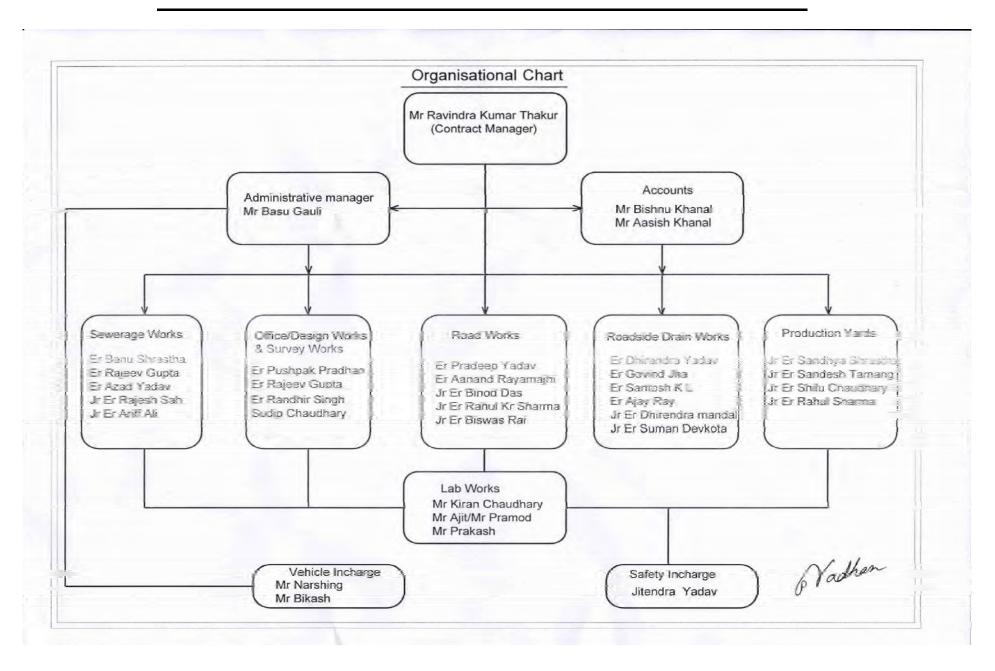
	Physical Progress till date									
				Progr	ess					
S.N.	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks			
1	HDPE Pipe	110.00	1,987.20	2,487.20	-	2,487.20				
2	HDPE Pipe	200.00	16,656.00	16,500.00	-	16,500.00	Under process			
3	HDPE Pipe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

Table 12: PHYSICAL PROGRESS in PRODUCTION OF UPVC Pipe till date,

	Physical Progress till date								
				Prog	ress				
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	4,800.00	250.00	5,050.00			
2	UPVC Pipe	110.00	5,050.00	4,000.00	1050.00	5,050.00			



Monthly Progress Report





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	-	14	
8	Sub- Engineer	-	12	
9	Accountant	-	2	
10	Lab Technician	-	1	
11	Store Keeper	-	2	
12	Vehicle In charge	-	2	
13	Skilled Labors		131	
14	Unskilled Labors		443	



8. CONTRACTOR'S EQUIPMENT

Table 14: CONTRACTOR'S EQUIPMENT

S.No	Equipment Type and Characteristics	Min Number required as per Contract	ZHONGHENG CONSTRUCTION Group	Remarks
1	Excavator (200 above)	5	2	Backhoe loader-9 nos.
2	Crane (10 ton capacity)	3	-	
3	Asphalt plant of adequate capacity	1	1	
4	Asphalt pavers	1	1	
5	Vibrating roller	2	4	Among 4nos., 2ton rollers-2nos.
6	Pneumatic tyre roller 8 to 10 ton	2	2	
7	Smooth wheeled roller 8 to 10 ton	1	1	
8	Grader	1	3	
9	Track Dozer (120 to 180 HP)	1	-	
10	Bitumen distributor (4 to 6 Kilo Litres)	1	1	
11	Water browser (minimum 5000 Litres)	3	13	
12	Chips spreader	1	-	
13	Bitumen decanter minimum 4000 Litres. (preheating container)	2	2	
	Air compressor	2	2	
14	Excavator (200 above)	5	2	Backhoe loader-9 nos.
15	Tipping Trucks	15	25	
16	Service vehicle	2	5	
17	Survey equipment (Total station with accessories)	1	1	
18	Theodolite	2	-	
19	Levelling	5	18	
20	Mobile Generator 15-20 KVA	3	11	
21	Mixer Machine	6	10	
22	Concrete Batching Plant	1	-	



S.No	Equipment Type and Characteristics	Min Number required as per Contract	ZHONGHENG CONSTRUCTION Group	Remarks
23	Concrete pump	1	-	
24	Drain cleaner/ Nala cleaner	2	-	
25	Broomer	-	2	
26	Motor Bike	-	15	
27	Plate Compactor	-	6	
28	Water Pump	-	7	

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 and for sewer line.
- Road works
- Road painting works.
- Precast production works at contractor's yard.
- Road Side drain works.
- Laying of Kerb Stone, cover slab and interlocking tiles.
- Sewer line, Sewer inlet and House Connection works.
- Brick Manholes for sewer line.
- Relocation of electric poles and water supply works, etc.



ANNEX-1: Photographs of May, 2019





Laying of Base in T3 Trunk



Re adjustment of Sewer manhole wrt the required gradient



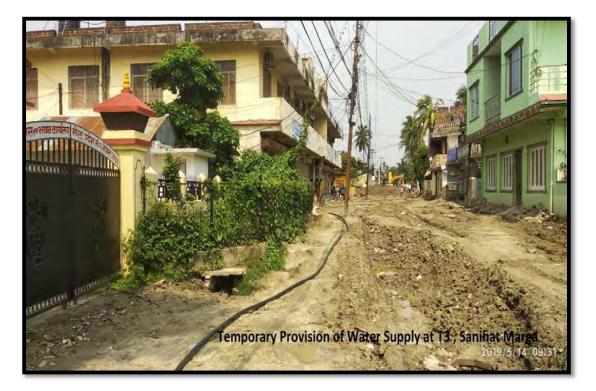


Brick work for road side drain at T3 Trunk (Sanihaat to Tapariya eye Hospital)



Curing of precast elements at Contractor's yard





Temporary water supply HDPE 40mm pipes



Dewatering work in T3 Trunk



ANNEX-2: Minutes of Meeting May, 2019



ANNEX-3: Laboratory Test Results of May, 2019 ATTACHED



			REGIO		RBAN DE Biratnagar M Contract No:- I nary Sheet of Co	letropolit: RUDP/ICB/	an City BRT-02		CT		
1								Month Year		-	fay 019
-	1	1				-	1	Type of Materia	1		. Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement		Date of	Date o	f Testing	- Strength,	and the second se	Concr
1	R-7	RUDP-1787	Saptakoshi		Sand+Agg.	Casting	7 Days	28 Days	7 Days	28 Days	Grad
2	T3L12	RUDP-1788	Saptakoshi	OPC	Chisang Khola	3-Apr-19	10-Apr-19	1-May-19		23.05	M20
3	Rani site	RUDP-1788	Saptakoshi	OPC	Chisang Khola	3-Apr-19	10-Apt-19	1-May-19		23,20	M20
4	Madhumara Yard	RUDP-1790	Saptakoshi	OPC	Chisang Khola	4-Apr-19	11-Apr-19	2-May-19		23.87	M20
5	DDC YARD	RUDP-1791	Saptakoshi	OPC	Chisang Khola	4-Apr-19	11-Apr-19	2-May-19		27.29	M25
6	R-44	RUDP-1792	Saptakoshi	OPC	Chisang Khola	4-Apr-19	11-Apr-19	2-May-19		33.00	M30
7	R-7	RUDP-1793	Saptakoshi	OPC	Chisang Khola	4-Apr-19	11-Apr-19	2-May-19		21.61	M20
В	Koshi yard	RUDP-1794	Saptakoshi	OPC	Chisang Khola	5-Apr-19	12-Apr-19	3-May-19		22,59	M20
9	R-2	RUDP-1794	Saptakoshi	OPC	Chisang Khola	5-Apr-19	12-Apr-19	3-May-19		23.80	M20
01	R-2	RUDP-1795	Saptakoshi	OPC	Chisang Khola	5-Apr-19	12-Apr-19	3-May-19		22.07	M20
11	R-2	RUDP-1796	Saptakoshi	OPC	Chisang Khola	6-Apr-19	13-Apr-19	4-May-19		24.54	M20
12	R-82	RUDP-1798	Saptakoshi	OPC	Chisang Khola	6-Apr-19	13-Apr-19	4-May-19		23 35	M20
13	DDC YARD	RUDP-1799	Saptakoshi	OPC	Chisang Khola	6-Apr-19	13-Apr-19	4-May-19		22.14	M20
14	T2L22A	RUDP-1800	Saptakoshi	OPC	Chisang Khola	6-Ape-19	(3-Apr-19	4-May-19		33.97	M30
15	R-110	RUDP-1800	Saptakoshi	OPC	Chisang Khola	7-Apr-19	14-Apr-19	5-May-19		23.41	M20
16	T3L12	RUDP-1802		OPC	Chisang Khola	7-Apr-19	14-Apr-15	5-May-19		23:12	M20
17	T3L12	RUDP-1802	Saptakoshi Saptakoshi	OPC	Chisang Khola	7-Apr-19	14-Apr-19	5-May-19		23.56	M20
18	Rani site	RUDP-1803	Saptakoshi	OPC	Chisang Khola	7-Apr-19	14-Apr-19	5-May-19		24.63	M20
19	R-82	RUDP-1804	Saptakoshi	OPC	Chisang Khola	7-Apr-19	14-Apr-19	5-May-19		23.65	M20
20	DDC YARD	RUDP-1805 RUDP-1806	Saptakoshi Saptakoshi	OPC	Chisang Khola	8-Apr-19	15-Apr-19	6-May-19		22.53	M20
21	T2LI9Y	RUDP-1806 RUDP-1807	Saptakoshi Saptakoshi	OPC	Chisang Khola	8-Apr-19	15-Apr-19	6-May-19		22.75	M20
22	R-82	RUDP-1807 RUDP-1808		OPC	Chisang Khola	8-Apr-19	15-Apt-19	6-May-19		24.24	M20
23	DDC YARD	RUDP-1808 RUDP-1809	Saptakoshi Saptakoshi	OPC	Chisang Khola	9-Apr-19	16-Apr-19	7-May-19		22,89	M20
24	Rani site	RUDP-1809 RUDP-1810		OPC	Chisang Khola	9-Apr-19	16-Apr-15	7-May-19		24.76	M20
25	DDC YARD	RUDP-1810 RUDP-1811	Saptakoshi Saptakoshi	OPC	Chisang Khola	10-Apr-10	17-Apr-19	8-May-19		21.84	M20
26	R-110	RUDP-1811 RUDP-1812		OPC.	Chisang Khola	10-Apt-19	17-Apr-19	8-May-19		23.72	M20
27	TILS	RUDP-1812 RUDP-1813	Saptakoshi	OPC	Chisang Khola	11-Apr-19	18-Apr-19	9-May+19		23.12	M20
28	DDC YARD	RUDP-1813 RUDP-1814	Saptakoshi	OPC	Chisang Khola	12-Apr-19	19-Apr-19	10-May-19		23.27	M20
29	R-82	RUDP-1814 RUDP-1815	Saptakoshi	OPC	Chisang Khola	13-Apr-19	20-Apr-19	11-May-19		33,29	M30
30	TIL5	RUDP-1816	Saptakoshi Saptakoshi	OPC	Chisang Khola	13-Apr-19	20-Apr-19	11-May-19		22.90	M20
31	DDC YARD	RUDP-1817	Saptakoshi	OPC	Chisang Khola	13-Apr-19	20-Apr-19	11-May-19		22.67	M20
32	R-2	RUDP-1818	Saptakoshi	OPC	Chisang Khola	13-Apr-19	20-Apr-19	11-May-19		.24.17	M20
33	R-110	RUDP-1819	Saptakoshi	OPC	Chisang Khola	14-Apr-19	21-Apr-19	12-May-19		22.67	M20
34	R-46	RUDP-1820	Saptakoshi	OPC	Chisang Khola	14-Apr-19	21-Apr-19	12-May-19		23.27	M20
35	Koshi yard	RUDP-1821	Saptakoshi	OPC	Chisang Khola	15-Apr-19	22-Apr-19	13-May-19		24.17	M20
36	T2L19Y	RUDP-1822	Saptakoshi	OPC	Chisang Khola	15-Apr-19	22-Api+19	13-May-19		23,49	M20
37	T3L7	RUDP-1823	Saptakoshi	OPC	Chisang Khola	16-Apr-19	23-Apr-19	14-May-19		22.52	M20
38	R-82	RUDP-1823	Saptakoshi	OPC	Chisang Khola	16-Apr-19	23-Apr-19	14-May-19		23,05	M20
39	T3L12	RUDP-1824 RUDP-1825	Saptakoshi Saptakoshi	OPC	Chisang Khola	16-Apr-19	23+Apr-19	14-May-19		24.24	M20
40	R-42	RUDP-1825 RUDP-1826	Saptakoshi	OPC	Chisang Khola	17-Apr-19	24-Apr-19	15-May-19		22.37	M20
41	T3L12	RUDP-1826	Saptakoshi	OPC	Chisang Khola	17-Apr-19	24-Apr-19	15-May-19		22.90	M20
42	TILS	RUDP-1827 RUDP-1828	Saptakoshi	OPC	Chisang Khola	17-Apr-19	24-Apr-19	15-May-19		23.50	M20
43	R-82			OPC	Chisang Khola	18-Apr-19	25-Apr-19	16-May-19		21.61	M20
14	DOC VARD	RUDP-1829	Saptakoshi	OPC	Chisang Khola	19-Apr-19	26-Apr-19	17-May-19		21.92	M20
45	R-46	RUDP-1830	Saptakośhi	OPC	Chisang Khola	20-Apr-19	27-Apr-19	18-May-19		24.47	M20
46	DDC YARD	RUDP-1831 RUDP-1832	Saptakoshi	OPC	Chisang Khola	20-Apt-19	27-Apr-19	18-May-19		22,90	M20
17	R-46	RUDP-1832 RUDP-1833	Saptakoshi	OPC	Chisang Khola	21+Apr-19	28-Apr-19	19-May-19		32.55	M30
16	DDC YARD	RUDP-1833	Saptakoshi Saptakoshi	OPC	Chisang Khola	22-Apr-19	29-Apr-19	20-May-19		23.05	M20
19		RUDP-1834 RUDP-1835		OPC	Chisang Khola	22-Apr-19	29-Apr-19	20-May-19		24.04	M20
10		RUDP-1835	Saptakoshi Saptakoshi	OPC	Chisang Khola	23-Apr-19	30-Apr-19	21-May-19		23.20 /	M20
			Saptakoshi	OPC	Chisang Khola	23-Apr-19	30-Apt-19	21-May-19		24.17	M20
ZH INTE	ernation	CONSTRU	ETION GRC	LTD 7	BUILDING DI CONSULTAN	NCY PVT.	LTD AND PI	JUS ENGINE	ERS & AR	CHITECT	Ή B.N. ΓS (P)
	Checked By Engineer Benu Shrestha		Submitted Contract Ma Rabindra K.Ti	nager	Expert Qty Surve H.K. Mandal/Rajar	eyor/CSE	Buipling *	Plus	Tean	roved By n Leader	

			REGIO		JRBAN DI Biratnagar M Contract No:- I nary Sheet of Co	letropolita RUDP/ICB/I	n City BRT-02		CT		
								Month		N	lay
								Year			019
-	1	1	1				1	Type of Materia	al	-	. Cube
S.N.	Location	Lab Ref.no.	Type of	Brand of		Date of		fTesting	1	th, N/mm2	Concre
51	T3L7	RUDP-1837	Cement	Cement	Sand+Agg	Casting	7 Days	28 Days	7 Days	28 Days	Grad
52	Koshi-yard	RUDP-1837	Saptakoshi	OPC	Chisang Khola	24-Apr-19	1-May-19	22-May-19	15.72	21.71	M20
53	R-9	RUDP-1838	Saptakoshi Saptakoshi	OPC	Chisang Khola	24-Apr-19	1-May-19	22-May-19	14.75	22.29	M20
54	R-110	RUDP-1840	Saptakoshi	OPC	Chisang Khola	24-Apr-19	1-May-19	22-May-19	16,02	22,26	M20
55	DDC-Yard	RUDP-1841	Saptakoshi	OPC	Chisang Khola	24-Apr-19	I-May-19	22-May-19	14.53	22.93	M20
56	T2L19Y	RUDP-1842	Saptakoshi	OPC	Chisang Khola	24-Apr-19	1-May-19	22-May-19	16.25	22,84	M20
57	R-46	RUDP-1843	Saptakoshi	OPC	Chisang Khola	24-Apr-19	1-May-19	22-May-19	15.65	21.56	M20
58	R-44	RUDP-1844	Saptakoshi	OPC	Chisang Khola Chisang Khola	24-Apr-19	1-May-19	22-May-19	15.35	22.51	M20
59	T3L10	RUDP-1845	Saptakoshi	OPC		24-Apr-19	1-May-19	22-May-19	15,35	21.55	M20
60	Koshi-yard	RUDP-1846	Saptakoshi	OPC	Chisang Khola Chisang Khola	24-Apr-19	1-May-19	22-May-19	15.50	23.77	M20
61	R-82	RUDP-1847	Saptakoshi	OPC	Chisang Khola	24-Apr-19	1-May-19	22-May-19	16.25	23.55	M20
62	T3L7C	RUDP-1848	Saptakoshi	OPC	Chisang Khola	24-Apr-19 24-Apr-19	1-May-19	22-May-19	15,35	21,69	M20
63	Madhumara-yard	RUDP-1849	Saptakoshi	OPC	Chisang Khola	24-Apr-19 24-Apr-19	1-May-19	22-May-19	15.35	22,91	M20
64	R-82	RUDP-1850	Saptakoshi	OPC	Chisang Khola	24-Apr-19 24-Apr-19	1-May-19	22-May-19	18.57	26.55	M25
65	R-7	RUDP-1851	Saptakoshi	OPC	Chisang Khola	24-Apr-19 24-Apr-19	1-May-19 1-May-19	22-May-19	15.35	21.41	M20
66	R-46	RUDP-1852	Saptakoshi	OPC	Chisang Khola	24-Apr-19	1-May-19 1-May-19	22-May-19 22-May-19	16.25	21.77	M20
67	R-83	RUDP-1853	Saptakoshi	OPC	Chisang Khola	24-Apr-19	I-May-19	22-May-19 22-May-19	14.68	22.00	M20
68	DDC-Yard	RUDP-1854	Saptakoshi	OPC	Chisang Khola	24-Apr-19	1-May-19	22-May-19	15,55		M20
69	R-7	RUDP-1855	Saptakoshi	OPC	Chisang Khola	24-Apr-19	1-May-19	22-May-19	14,33	22.11 22.47	M20 M20
70	R-9	RUDP-1856	Saptakoshi	OPC	Chisang Khola	24-Apr-19	1-May-19	22-May-19	15.13	23.06	M20
71	Madhumara-yard	RUDP-1857	Saptakoshi	OPC	Chisang Khola	24-Apr-19	1-May-19	22-May-19	18.19	26.79	M20 M25
72	DDC-Yard	RUDP-1858	Saptakoshi	OPC	Chisang Khola	24-Apr-19	1-May-19	22-May-19	21.71	32.88	M25 M30
73	DDC-Yard	RUDP-1859	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	15.80	22.91	M20
74	Koshi-yard	RUDP-1860	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	15.20	21.78	M20
75	R-19	RUDP-1861	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	15.35	21.78	M20
76	Koshi-yard	RUDP-1862	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	15.80	23.35	M20
77	R-82	RUDP-1863	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	16.32	21,63	M20
78 79	T2L19Y	RUDP-1864	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	16.25	22.00	M20
80	T1L5 R-110	RUDP-1865 RUDP-1866	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	17.21	22.68	M20
81	Judi-yard	RUDP-1866 RUDP-1867	Saptakoshi Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	15.20	22.26	M20
82	T3L22A	RUDP-1868	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	16.32	22.91	M20
83	T2L19Y	RUDP-1869	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	16.02	21.71	M20
64	Judi-yard	RUDP-1870	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	16,39	23,28	M20
15	R-110	RUDP-1871	Saptakoshi	OPC	Chisang Khola Chisang Khola	25-Apr-19 25-Apr-19	2-May-19	23-May-19	15.43	22.91	M20
16	Koshi-yard	RUDP-1872	Saptakoshi	OPC	Chisang Khola	25-Apr-19 25-Apr-19	2-May-19	23-May-19	15.80	21.86	M20
17	T3L22A	RUDP-1873	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	16.02	21.56	M20
8	Madhumara-yard	RUDP-1874	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	17.06	22.51	M20
9	Madhumara-yard	RUDP-1875	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19 2-May-19	23-May-19 23-May-19	15.80	21,71	M20
0	R-9	RUDP-1876	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19 2-May-19	23-May-19 23-May-19	17,67	27.14	M25
1	R-110	RUDP+1877	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19 23-May-19	16.25 15.20	21.93	M20
2	T2L19Y	RUDP-1878	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	15.20	22.36 23.50	M20
3	R-82	RUDP-1879	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19	16.02		M20
4	R-46	RUDP-1880	Saptakoshi	OPC	Chisang Khola	25-Apr-19	2-May-19	23-May-19 23-May-19	14,90	22.99	M20
5	Madhumara-yard	RUDP-1881	Saptakoshi	OPC	Chisang Khola	26-Apr-19	3-May-19	24-May-19	18.42	26.48	M20 M25
6	R-19	RUDP-1882	Saptakoshi	OPC	Chisang Khola	26-Apr-19	3-May-19	24-May-19	15.72	20.48	M25 M20
7	T3L22A	RUDP-1883	Saptakoshi	OPC	Chisang Khola	26-Apr-19	3-May-19	24-May-19	16.10	21.78	M20
8	Koshi-yard	RUDP-1884	Saptakoshi	OPC	Chisang Khola	26-Apr-19	3-May-19	24-May-19	15.80	22.15	M20
9	T3L10	RUDP-1885	Saptakoshi	OPC	Chisang Khola	26-Apr-19	3-May-19	24-May-19	15.80	22.11	M20
_		Contracto	r				Co	nsultant		1	
ZI	HONGHENE	CONSTRUCT AL ENGIN	EERING CO	OUP D. LTD	BUILDING D CONSULTA	NCY PVT.	LTD AND P	P) LTD IN JO LUS ENGIN	EERS & A	TURE WIT RCHITEC	TH B.N. TS (P)
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Monthly Progress Report

			REGION	B	RBAN DE' iratnagar Me Contract No:- R iry Sheet of Cor	tropolitan UDP/ICB/B	City RT-02	PROJEC	Т		
						[Month Year			lay 019
-			1	Brand of	Source of	Data of	T: Date of	ype of Material		Conc.	Cube
N	Location	Lab Ref no	Type of Cement	Cement	Sand+Agg	Date of Casting	7 Days	28 Days	7 Days	28 Days	Concrete Grade
100	R-46	RUDP-1886	Saptakoshi	OPC	Chisang Khola	26-Apr-19	3-May-19	24-May-19	15.13	23 03	M20
101	R-6.Branch line Madhumara-yard	RUDP-1887 RUDP-1888	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	26-Apr-19 26-Apr-10	3-May-19 3-May-19	24-May-19 24-May-19	15.65	22:70	M20 M25
103.	Judi-yard	RUDP-1889	Saptakoshi	OPC	Chusang Khola	26 Apr-19	3-May-19	24-May-19	16.02	23.43	M20
104	T22.19Y	RUDP-1890	Saptakoshi	OPC	Chusang Khola	26-Apr-19	3-May-19	24-May-19	15.65	21 56	M20
105	R-83 T3L7C	RUDP-1891 RUDP-1892	Saptakoshi Saptakoshi	OPC	Chusang Khola	26-Apr-19	3-May-19	24-May-19	16:39	22.03	M20
107	R-19	RUDP-1892 RUDP-1893	Saptakoshi	OPC	Chisang Khola Chisang Khola	26-Apr-19 26-Apr-19	3-May-19 3-May-19	24-May-19 24-May-19	15.35	21.55	M20 M20
108	Madhumara-yard	RUDP-1894	Saptakoshi	OPC	Chisang Khola	26-Apr-19	3-May-19	24-May-19	17.67	26.93	M25
09	R-44(T3L9)	RUDP-1895	Sapsakoshi	OPC	Chisang Khola	26-Apr-19	3-May-19	24-May-19	15.50	21.93	M20
10	T3L39A Koshuvard	RUDP-1896 RUDP-1897	Saptakoshi Saptakoshi	OPC	Chisang Khola	26-Apr-19	3-May-19	24-May-19	[43]	22.53	M20
17	Koshi-yard R-110	RUDP-1897 RUDP-1898	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	26-Apr-19 26-Apr-19	3-May-19 3-May-19	24-May-19 24-May-19	15.80	23.03	M20 M20
13	T3L7	RUDP-1899	Saptakoshi	OPC	Chisang Khola	26-Apr-19	3-May-19 3-May-19	24-May-19 24-May-19	15 35	22.88	M20 M20
14	Madhumara-yard	RUDP-1900	Saptakoshi	OPC	Chisang Khola	26-Apr-19	3-May-19	24-May-19	18.57	27 01	M25
115	Koshi-yard	RUDP-1901	Saptakoshi	OPC	Chusang Khola	27-Apr-19	4-May-19	25-May-19	15.13	22.48	M20
116	R-9 R-82	RUDP-1902 RUDP-1903	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	27-Apr-19 27-Apr-19	4-May-19 4-May-19	25-May-19 25-May-19	15.80	22.13	M20
(18	T3L22A	RUDP-1904	Saptakoshi	OPC	Chasang Khola	27-Apr-19	4-May-19	25-May-19 25-May-19	19.25	22.51	M20 M20
119	T3L7	RUDP-1905	Saptakoshi	OPC	Chisang Khola	27-Apt-19	4-May-19	25-May-19	14.61	21.93	M20
120	R-6,Branch line	RUDP-1906	Saptakothi	OPC	Chisang Khola	27-Apr-19	4-May-19	25-May-19	15.28	23 13	M20
121	R-9 R-46	RUDP-1907 RUDP-1908	Saptakoshi Saptakoshi	OPC	Chasang Khola	27-Apr-19	4-May-19	25-May-19	15.72	21.78	M20
123	R-40 R-110	RUDP-1908	Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	27-Apr-19 27-Apr-19	4-May-19 4-May-19	25-May-19 25-May-19	14.90	22.81	M20 M20
124	T2LI9Y	RUDP-1910	Saptakoshi	OPC	Chesang Khola	27-Apr-19	4-May-19	25-May-19	14.31	22.18	M20
125	R-82	RUDP-1911	Saptakoshi	OPC	Chisang Khola	27-Apr-19	4-May-19	25-May-19	15 13	21.93	M20
26	Madhumara-yard T3L10	RUDP-1912 RUDP-1913	Saptakoshi	OPC	Chisang Khola	27-Apr-19	4-May-19	25-May-19	17.21	26.17	M25
28	TILS	RUDP-1913 RUDP-1914	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	27-Apr-19 27-Apr-19	4-May-19 4-May-19	25-May-19 25-May-19	15.87	21.78	M20
29	T3L Trunk line	RUDP-1915	Saptakoshi	OPC	Chasang Khola	27-Apr-19	4-May-19	25-May-19	15.35	22.03	M20 M20
130	Madhumara-yard	RUDP-1916	Saptakoshi	OPC	Chisang Khola	27-Apr-19	4-May-19	25-May-19	18.05	27.54	M25
31	B-7	RUDP-1917	Saptakoshi	OPC	Chisang Khola	27-Apr-19	4-May-19	25-May-19	15.20	22.41	M20
37	R-19 R-83	RUDP-1918 RUDP-1919	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	27-Apr-19 27-Apr-19	4-May-19 4-May-19	25-May-19 25-May-19	15.20	22.81	M20 M20
34	Judi-yard	RUDP-1920	Saptakoshi	OPC	Chusang Khola	27-Apr-19	4-May-19	25-May-19	15.13	22.73	M20 M20
35	Koshi-yard	RUDP-1921	Saptakoshi	OPC	Chisang Khola	28-Apr-19	5-May-19	26-May-19	15.50	21.93	M20
34	Jisdi Vard	RUDP-1922	Saptakoshi	OPC	Chisang Khola	28-Apr-19	5-May-19	26-May-19	16 17	23.28	M20
37	Justi Yard	RUDP-1923	Saptakosibi	OPC	Chisang Khola	28-Apr-19	5-May-19	26-May-19	16.39	2) 78	M20
38	T2L19Y T3L T LINE	RUDP-1924	Saptakoshi	OPC	Chisang Khola	28-Apr-19	5-May-19	26-May-19	15.50	23.28	M20
40	TILT LINE	RUDP-1925 RUDP-1926	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	28-Apr-19 28-Apr-19	5-May-19 5-May-19	26-May-19 26-May-19	15.50 14.90	21.93	M20
(4)	R-6 Branch line	RUDP-1927	Saptakoshi	OPC	Chisang Khola	28-Apr-19	5-May-19	26-May-19 26-May-19	14.90	2171	M20 M20
[42]	Madhumara-yard	RUDP-1928	Saptakoshi	OPC	Chusang Khola	28-Apr-19	5-May-19	26-May-19	17.59	2736	M25
[43]	R-110	RUDP-1929	Saptakoshi	OPC	Chisang Khola	28-Apt-19	5-May-19	26-May-19	15.88	23.58	M20
44	Madhumara-yard R-19	RUDP-1930 RUDP-1931	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	28-Apr-19 28-Apr-19	5-May-19 5-May-19	26-May-19 26-May-19	15.58	22.08	M20
46	Judi Yard	RUDP-1931	Saptakoshi	OPC	Chisang Khola	28-Apr-19 28-Apr-19	5-May-19 5-May-19	26-May-19 26-May-19	15.06	23 62	M20 M20
47	Madhumara Yard	RUDP-1933	Saptakoshi	OPC	Chisang Khola	28-Apr-19	5-May-19	26-May-19	18.28	22.08	M20
148	T3L T LINE	RUDP-1934	Saptakoshi	OPC	Chisang Khola	28-Apr-19	5-May-19	26-May-19	15.20	21.56	M20
(49	T3L T LINE R-9	RUDP-1935 RUDP-1936	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	28-Apr-19 28-Apr-19	5-May-19 5-May-19	26-May-19 26-May-19	15.80	22 70	M20
-	11.5	Contract		UT C	cining runne	ro-starts		onsultant	14 90	22.08	M20
ZIN	CHONGHEN	CONSTR	RUCTION	ROUP D. LTD	BUILDING I CONSULT	ANCY PVT.	THORITY (LTD AND I LTD, KATH	(P) LTD IN J PLUS ENGIN IMANDU, NI	VEERS &		ITH B.N. CTS (P)
hech	ed By ecr		Submitt Contract N Rabindra	Manager	Verified By Expert Qty Sur H.K. Mandal/Raj		Desig	supper su	2 1	pproved B cam Leader	



			REGIO		RBAN DE Biratnagar M Contract No:- I hary Sheet of Co	etropolita RUDP/ICB/I	n City BRT-02		CT		
								Month Year			lay 119
		Louis	Type of	Brand of		Invit		Type of Materia	1		Cube
S.N	Location	Lab Ref.no.	Cement	Cement	Source of Sand+Agg.	Date of Casting	7 Days	f Testing		h, N/mm2	Concrete
151	Judi Yard	RUDP-1937	Saptakoshi	OPC	Chisang Khola	28-Apr-19	5-May-19	28 Days 26-May-19	7 Days 14.83	28 Days	Grade
152		RUDP-1938	Saptakoshi	OPC	Chisang Khola	28-Apr-19	5-May-19	26-May-19	14.83	23.00	M20 M20
153		RUDP-1939	Saptakoshi	OPC	Chisang Khola	28-Apr-19	5-May-19	26-May-19	15.72	22.91	M20
154	Contraction of the second	RUDP-1940 RUDP-1941	Saptakoshi	OPC	Chisang Khola	28-Apr-19	5-May-19	26-May-19	14.90	22.08	M20
156		RUDP-1941	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19	16.02	23.21	M20
157		RUDP-1943	Saptakoshi	OPC	Chisang Khola Chisang Khola	29-Apr-19 29-Apr-19	6-May-19	27-May-19	15.43	21.78	M20
158	RR-2	RUDP-1944	Saptakoshi	OPC	Chisang Khola	29-Apr-19	6-May-19 6-May-19	27-May-19 27-May-19	14.98	21:86	M20
159	Rani Buspark-A	RUDP-1945	Saptakoshi	OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19 27-May-19	15.57	22.76	M20
160		RUDP-1946	Saptakoshi	OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19	14.68	21.18 21.93	M20 M20
161		RUDP-1947	Saptakoshi	OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19	14.05	22.73	M20 M20
162		RUDP-1948	Saptakoshi	OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19	15.13	22.33	M20
164	-	RUDP-1949 RUDP-1950	Saptakoshi Saptakoshi	OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19	14.53	22.66	M20
165	E / 12 -	RUDP-1950 RUDP-1951	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19	15.87	22.66	M20
166		RUDP-1952	Saptakoshi	OPC	Chisang Khola Chisang Khola	29-Apr-19 29-Apr-19	6-May-19	27-May-19	15.43	23.06	M20
167	R-6 Branch line	RUDP-1953	Saptakoshi	OPC	Chisang Khola	29-Apr-19 29-Apr-19	6-May-19 6-May-19	27-May-19 27-May-19	15.80	23.03	M20
168	R-9	RUDP-1954	Saptakoshi	OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19 27-May-19	15.28	22.88 22.73	M20 M20
169	R-46	RUDP-1955	Saptakoshi	OPC	Chisang Khola	29-Apt-19	6-May-19	27-May-19	15.80	22.26	M20
170	R-110 T2L19Y	RUDP-1956	Saptakoshi	OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19	15.87	22.18	M20
172	T3L10	RUDP-1957 RUDP-1958	Saptakoshi Saptakoshi	OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19	15.65	23.21	M20
173	TILS	RUDP-1958	Saptakoshi	OPC OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19	15.57	22.91	M20
174	R-44	RUDP-1960	Saptakoshi	OPC	Chisang Khola Chisang Khola	29-Apr-19 29-Apr-19	6-May-19	27-May-19	15,95	22.41	M20
175	DDC YARD	RUDP-1961	Saptakoshi	OPC	Chisang Khola	29-Apr-19	6-May-19 6-May-19	27-May-19 27-May-19	15.72	22.51	M20
76	Madhumara Yard	RUDP-1962	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	21.78	31.47 26.55	M30 M25
77	R-83	RUDP-1963	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	16.32	21.63	M20
78	R-9	RUDP-1964	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	16.69	22.91	M20
79 80	T3L10	RUDP-1965	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	15.20	21,66	M20
81	Koshi Yard T1L5	RUDP-1966 RUDP-1967	Saptakoshi Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	15.20	22.18	M20
82	T3L7	RUDP-1968	Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	30-Apr-19 30-Apr-19	7-May-19	28-May-19	15:35	21.74	M20
83	DDC YARD	RUDP-1969	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19 7-May-19	28-May-19 28-May-19	15.72	22.41	M20
84	T3L7	RUDP-1970	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	22.53	32.81	M30 M20
85	R-46	RUDP-1971	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	15.80	22,76	M20
86	T31.22A	RUDP-1972	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	16.32	21.93	M20
87	R-7	RUDP-1973	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	15.35	23.28	M20
88	R-110 R-110	RUDP-1974 RUDP-1975	Saptakoshi Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	15.72	21 71	M20
90	TILS	RUDP-1975 RUDP-1976	Saptakoshi	OPC	Chisang Khola Chisang Khola	30-Apr-19	7-May-19	28-May-19	16.69	22.91	M20
91	R-83	- RUDP-1977	Saptakoshi	OPC	Chisang Khola	30-Apr-19 30-Apr-19	7-May-19 7-May-19	28-May-19 28-May-19	16.32	21.58	M20
92	T3L39A	RUDP-1978	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19 7-May-19	28-May-19 28-May-19	14.98	23.28	M20
93	DDC YARD	RUDP-1979	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	15.80	23.73 21.63	M20 M20
4	Madhumara Yard	RUDP-1980	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	17.21	26,33	M25
25	T3L22A	RUDP-1981	Saptakoshi	OPC	Chisang Khola	I-May-19	8-May-19	29-May-19	15.57	25.28	M20
17	T3L7 R-9	RUDP-1982 RUDP-1983	Saptakoshi	OPC	Chisang Khola	I-May-19	8-May-19	29-May-19	15.95	23.13	M20
18	R-6 Branch line	RUDP-1983 RUDP-1984	Saptakoshi Saptakoshi	OPC	Chisang Khola	1-May-19	8-May-19	29-May-19	15.72	23.06	M20
19	R-46	RUDP-1985	Saptakoshi	OPC	Chisang Khola Chisang Khola	1-May-19	8-May-19	29-May-19	15,87	23.06	M20
0	R-110	RUDP-1986	Saptakoshi	OPC	Chisang Khola Chisang Khola	1-May-19 1-May-19	8-May-19	29-May-19	15,87	23.13	M20
		Contractor				1 1000 1.3	8-May-19 Con	29-May-19 nsultant	16,02	22.99	M20
Z	CHONGHENG TERNATION	CONSTRU	UCTION GI	ROUP D. LTD	BUILDING D CONSULTA	NCY PVT. I	THORITY (I LTD AND P	P) LTD IN JO	EERS & A	TURE WIT	TH B.N. TS (P)
eck	eer		Submitt Contract N		Verified By Expert Qty Surv	/	R Building	Y	Apple Appl	proved By	7
u S	hrestha		Rabindra K	Thakur	H.K. Mandal/Raja		Bis	NE	/	esh Chand	



			ALUIO		RBAN DE Biratnagar M Contract No:- F nary Sheet of Co	letropolita RUDP/ICB/	n City BRT-02	PROJE	CT		
								Month Year			fay 019
-	1	1	1	-			1	ype of Materia	ıl		Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand+Agg	Date of Casting		f Testing	Strength	-	Concrete
201	T2L19Y	RUDP-1987	Saptakoshi	OPC	Chisang Khola	1-May-19	7 Days 8-May-19	28 Days 29-May-19	7 Days 15.50	28 Days	Grade
202	T3L10	RUDP-1988	Saptakoshi	OPC	Chisang Khola	1-May-19	8-May-19	29-May-19	15.50	23.65 23.58	M20 M20
203	T1L5	RUDP-1989	Saptakoshi	OPC	Chisang Khola	1-May-19	8-May-19	29-May-19	15.65	23.06	M20
204	R-44 T3L T. LINE	RUDP-1990 RUDP-1991	Saptakoshi	OPC	Chisang Khola	I-May-19	8-May-19	29-May-19	15.20	23,21	M20
206	T3L7C	RUDP-1991	Saptakoshi Saptakoshi	OPC	Chisang Khola	1-May-19	8-May-19	29-May-19	16.10	23.65	M20
207	R-7	RUDP-1993	Saptakoshi	OPC	Chisang Khola Chisang Khola	1-May-19 1-May-19	8-May-19	29-May-19	15.80	24.54	M20
208	R-19	RUDP-1994	Saptakoshi	OPC	Chisang Khola	1-May-19	8-May-19 8-May-19	29-May-19 29-May-19	15.95	24.02	M20
209	R-83	RUDP-1995	Saptakoshi	OPC	Chisang Khola	1-May-19	8-May-19	29-May-19	15.65	23.95 23.43	M20 M20
210	T3L6	RUDP-1996	Saptakoshi	OPC	Chisang Khola	1-May-19	8-May-19	29-May-19	15.95	24.25	M20
211	T3L19A	RUDP-1997	Saptakoshi	OPC	Chisang Khola	1-May-19	8-May-19	29-May-19	15.95	23.65	M20
212	T3L22A T3L7	RUDP-1998 RUDP-1999	Saptakoshi	OPC	Chisang Khola	1-May-19	8-May-19	29-May-19	15.50	23.36	M20
214	R-6 Branch line	RUDP-1999 RUDP-2000	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	1-May-19	8-May-19	29-May-19	15.72	24.25	M20
215	R-9	RUDP-2001	Saptakoshi	OPC	Chisang Khola	1-May-19 2-May-19	8-May-19 9-May-19	29-May-19 30-May-19	15.65	23.88	M20
216	R-46	RUDP-2002	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19 9-May-19	30-May-19 30-May-19	15,80	23,28	M20
217	TIL5	RUDP-2003	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19	30-May-19	16.10	23,88	M20 M20
218	Madhumara Yard	RUDP-2004	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19	30-May-19	17.29	27,15	M25
219	Madhumara Yard	RUDP-2005	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19	30-May-19	17.67	26.77	M25
220	R-7 Judi yard	RUDP-2006 RUDP-2007	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19	30-May-19	14,75	23.40	M20
222	TILS	RUDP-2007	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	2-May-19	9-May-19	30-May-19	14.90	23.11	M20
223	Koshi Yard	RUDP-2009	Saptakoshi	OPC	Chisang Khola	2-May-19 2-May-19	9-May-19	30-May-19	15,80	21,62	M20
224	R-9	RUDP-2010	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19 9-May-19	30-May-19 30-May-19	15.37	22.91 24.39	M20
225	R-83	RUDP-2011	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19	30-May-19	14.83	23.50	M20 M20
226	T3L7C	RUDP-2012	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19	30-May-19	15.57	21.63	M20
227	R-83	RUDP-2013	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19	30-May-19	16.69	22.58	M20
28	R-19	RUDP-2014	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19	30-May-19	15.43	21.81	M20
30	Madhumara Yard T2L19Y	RUDP-2015 RUDP-2016	Saptakoshi Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19	30-May-19	18.12	27.09	M25
31	R-46	RUDP-2017	Saptakoshi	OPC	Chisang Khola Chisang Khola	2-May-19 2-May-19	9-May-19	30-May-19	15.43	22.91	M20
32	R-9	RUDP-2018	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19 9-May-19	30-May-19 30-May-19	16.32	23.73	M20
33	Judi yard	RUDP-2019	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19	30-May-19	15.20	22.18 22.03	M20 M20
34	T3L7	RUDP-2020	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19	30-May-19	16.02	21.71	M20
35	R-6 Branch line	RUDP-2021	Saptakoshi	OPC	Chisang Khola	3-May-19	10-May-19	31-May-19	15.80	21.93	M20
36	R-9	RUDP-2022	Saptakoshi	OPC	Chisang Khola	3-May-19	10-May-19	31-May-19	15.57	18.95	M20
37	R-46	RUDP-2023	Saptakoshi	OPC	Chisang Khola	3-May-19	10-May-19	31-May-19	15.87	21.86	M20
38 39	R-110 T2L19Y	RUDP-2024 RUDP-2025	Saptakoshi Saptakoshi	OPC	Chisang Khola	3+May+19	10-May-19	31-May-19	15.35	21.93	M20
40	T2L194 T2L10	RUDP-2025 RUDP-2026	Saptakoshi	OPC	Chisang Khola Chisang Khola	3-May-19 3-May-19	10-May-19	31-May-19	15.87	21.93	M20
41	TIL5	RUDP-2027	Saptakoshi	OPC	Chisang Khola	3-May-19 3-May-19	10-May-19 10-May-19	31-May-19	15.43	21.71	M20
42	R-44	RUDP-2028	Saptakoshi	OPC	Chisang Khola	3-May-19	10-May-19	31-May-19 31-May-19	15.87	21.86	M20 M20
43	T3L T. LINE	RUDP-2029	Saptakoshi	OPC	Chisang Khola	3-May-19	10-May-19	31-May-19	15.72	21.93	M20 M20
44	T3L7C	RUDP-2030	Saptakoshi	OPC	Chisang Khola	3-May-19	10-May-19	31-May-19	15.80	21.86	M20
15	R-7	RUDP-2031	Saptakoshi	OPC	Chisang Khola	3-May-19	10-May-19	31-May-19	15,87	22.73	M20
17	R-19 T1L5	RUDP-2032 RUDP-2033	Saptakoshi Saptakoshi	OPC	Chisang Khola	3-May-19	10-May-19	31-May-19	15.87	22.73	M20
18	T3L22A	RUDP-2033	Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	4-May-19 4-May-19	11-May-19	1-Jun-19	15.28		M20
19	Madhumara Yard	RUDP-2035	Saptakoshi	OPC	Chisang Khola	4-May-19 4-May-19	11-May-19 11-May-19	1-Jun-19 1-Jun-19	15.35	/	M20
-		Contracto			D			isultant	19.54	1	M25
	HONGHENG	CONSTRU	JETION GI		BUILDING D CONSULTA	NCY PVT.	THORITY (I LTD AND P .TD, KATH	P) LTD IN JO LUS ENGIN	EERS & AI	TURE WIT	TH B.N. TS (P)
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				1	RBAN DE Biratnagar M Contract No:- F ary Sheet of Co	etropolita RUDP/ICB/	n City BRT-02		-1		
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-	1	1	1		-	-	1	ype of Materia	al	Conc.	
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of		Date of	Date o	f Testing	Strength,	N/mm2	Concrete
250	T3L T. LINE	DURD AGA		Cement	Sand+Agg	Casting	7 Days	28 Days	7 Days	28 Days	Grade
251		RUDP-2036	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	15,38		M20
-	T3L10	RUDP-2037	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	15.50		M20
252	T2L19Y	RUDP-2038	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	16.54		M20
253	T3L7	RUDP-2039	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	15,57		M20
254	R-110	RUDP-2040	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	16.32		M20
255	T2L19Y	RUDP-2041	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	15.65		M20
256	TIL5	RUDP-2042	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	I-Jun-19	16.77		M20
257	R-6(BRANCH Line)	RUDP-2043	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	I-Jun-19	15.43		M20
258	T3L39A	RUDP-2044	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	Lalun 10			0.21
259	Madhumara Yard	RUDP-2045	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19 1-Jun-19	15.43		M20
260	Madhumara Yard	RUDP-2046	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19 1-Jun-19	19.37		M25
261	R-9	RUDP-2047	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19 11-May-19	1-Jun-19 1-Jun-19	15.07		M20
262	Judi Yard'	RUDP-2048	Saptakoshi	OPC.	Chisang Khola	4-May-10	11-May-19 11-May-19	1-Jun-19	15.88		M20
263	T3L39A	RUDP-2049	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19 11-May-19	1-Jun-19 1-Jun-19	15,80		M20
264	T3L T. LINE	RUDP-2050	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	16.32		M20
265	T3L7C	RUDP-2051	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19 11-May-19	1-Jun-19 1-Jun-19	15.20		M20
266	R-7	RUDP-2052	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	15,87		M20 M20
67	R-19	RUDP-2053	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	15.80		
68	R-83	RUDP-2054	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	15,80		M20
69	T3L6	RUDP-2055	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	15.80		M20 M20
70	T3L19A	RUDP-2055	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	16.02		
71	T3L22A	RUDP-2057	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	15,75	-	M20 M20
72	T3L7	RUDP-2058	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	15.57		M20
73	R-6(BRANCH Line)	RUDP-2059	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19			
74	R-9	RUDP-2060	Saptakoshi	OPC					15.87		M20
75	R-46	RUDP-2061	Saptakoshi	OPC	Chisang Khola	4-May-19	11-May-19	1-Jun-19	15.95		M20
76	R-110	RUDP-2062	Saptakoshi	OPC	Chisang Khola Chisang Khola	5-May-19	12-May-19	2-Jun-19	16.25		M20
77	T2L19Y	RUDP-2063	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	15,65		M20
78	T3L10	RUDP-2064	Saptakoshi	OPC	Chisang Khola	5-May-19 5-May-19	12-May-19	2-Jun-19	15.87		M20
19	TIL5	RUDP-2065	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19 12-May-19	2-Jun-19 2-Jun-19	15.80		M20
80	R-44	RUDP-2066	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	16.32		M20
81	T3L T. LINE	RUDP-2067	Saptakoshi	OPC	Chisang Khola	S-May-19	12-May-19	2-Jun-19	15.87		M20
\$2	T3L7C	RUDP-2068	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	16.17		M20
33	K-7	RUDP-2069	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	16.39		M20
14	R-19	RUDP-2070	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	15.80		M20
35	R-83	RUDP-2071	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	15.80		M20
6	T3L6	RUDP-2072	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	15.87		M20
17	T3L19A	RUDP-2073	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	15.87		M20 M20
18	T3L22A	RUDP-2074	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	16.62		M20 M20
9	T3L7	RUDP-2075	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	15.87		
0	R-6(BRANCH Line)	RUDP-2076	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	15.87		M20
1	R-9	RUDP-2077	Saptakoshi	OPC	Chisang Khola	5-May-19		-			M20
2	Judi Yard'	RUDP-2078	Saptakoshi	OPC	Chisang Khola	5-May-19 5-May-19	12-May-19	2-Jun-19	16.17		M20
-	Madhumara Yard	RUDP-2079	Saptakoshi	OPC	Chisang Khola Chisang Khola		12-May-19	2-Jun-19	15,80		M20
4	Koshi Yard	RUDP-2080	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	15.87		M20
5	R-46	RUDP-2081	Saptakoshi	OPC	Chisang Khola	5-May-19 5-May-19	12-May-19	2-Jun-19	15.80		M20
6	R-110	RUDP-2082	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	16.10		M20
7	T2L19Y	RUDP-2083	Saptakoshi	OPC	Chisang Khola	6-May-19	12-May-19 13-May-19	2-Jun-19	16,17		M20
		Contractor	t		and a second	- 10mg-1.5		3-Jun-19	15.43		M20
ZI	HONGHENG ERNATION	CONSTRU	CTION GR	OUP . LTD	BUILDING D CONSULTA	NCY PVT.	THORITY (I LTD AND P LTD, KATHM	LUS ENGIN	EERS & AR	URE WIT	H B.N. FS (P)
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S.N.	Location	1.1.0.4	Type of	Brand of	Source of	1 Die		ype of Materi	1		Cube
3.0.	Location	Lab Ref.no.	Cement	Cement	Sand+Agg.	Date of Casting	7 Days	Testing 28 Days	-	, N/mm2	Concrete
298	T3L10	RUDP-2084	Saptakoshi	OPC	Chisang Khola	6-May-19	13-May-19	3-Jun-19	7 Days	28 Days	Grade
299	TILS	RUDP-2085	Saptakoahi	OPC	Chisang Khola	6-May-19	13-May-19	3-Jun-19	15.72		M20
300	R-44	RUDP-2086	Saptakoshi	OPC	Chisang Khola	6-May-19	13-May-19	3-Jun-19	16.02		M20 M20
301	T3L T. LINE	RUDP-2087	Saptakoshi	OPC	Chisang Khola	6-May-19	13-May-19	3-Jun-19	15.87		M20
302 303	T3L7C R-7	RUDP-2088	Saptakoshi	OPC	Chisang Khola	6-May-19	13-May-19	3-Jun-19	16.17		M20
304	R-19	RUDP-2089 RUDP-2090	Saptakoshi Saptakoshi	OPC	Chisang Khola	6-May-19	13-May-19	3-Jun-19	16.32		M20
305	Madhumara Yard	RUDP-2090	Saptakoshi	OPC	Chisang Khola	6-May-19	13-May-19	3-Jun-19	15.87		M20
306	Judi Yard	RUDP-2092	Saptakoshi	OPC	Chisang Khola	6-May-19	13-May-19	3-Jun-19	17.44		M25
307	R-83	RUDP-2093	Saptakoshi	OPC	Chisang Khola	6-May-19	13-May-19	3-Jun-19	16.32		M20
308	T3L6	RUDP-2094	Saptakoshi	OPC	Chisang Khola Chisang Khola	6-May-19	13-May-19	3-Jun-19	15.80	-	M20
309	TL19A	RUDP-2095	Saptakoshi	OPC	Chisang Khola	6-May-19 6-May-19	13-May-19	3-Jun-19	16.25		M20
310	T3L22A	RUDP-2096	Saptakoshi	OPC	Chisang Khola	6-May-19	13-May-19 13-May-19	3-Jun-19	15.95		M20
311	T3L7	RUDP-2097	Saptakoshi	OPC	Chisang Khola	6-May-19	13-May-19 13-May-19	3-Jun-19 3-Jun-19	15.87		M20
312	R-5(BRANCH Line)	RUDP-2098	Saptakoshi	OPC	Chisang Khola	6-May-19					M20
313	R-9	RUDP-2099	Saptakoshi	OPC	Chisang Khola		13-May-19	3-Jun-19	16.17		M20
314	R-46	RUDP-2100	Saptakoshi	OPC	Chisang Khola	6-May-19 6-May-19	13-May-19	3-Jun-19	16.25		M20
315	R-110	RUDP-2101	Saptakoshi	OPC	Chisang Khola	7-May-19	13-May-19	3-Jun-19	16.17		M20
316	T2L19Y	RUDP-2102	Saptakoshi	OPC	Chisang Khola	7-May-19 7-May-19	14-May-19	4-Jun-19	16.10		M20
317	T3L10	RUDP-2103	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19 14-May-19	4-Jun-19 4-Jun-19	16.54		M20
318	TILS	RUDP-2104	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	16.54		M20
319	R-44	RUDP-2105	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	15.87		M20 M20
320	T3L T. LINE	RUDP-2106	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	15.87		M20
321	T3L7C	RUDP-2107	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	15.80		M20
322	R-7	RUDP-2108	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	16.54		M20
323	R-19	RUDP-2109	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	15.10		M20
324	R-83	RUDP-2110	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	15.95		M20
325	Madhumara Yard T3L6	RUDP-2111	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	17.44		M25
327	T3L19A	RUDP-2112 RUDP-2113	Saptakoshi Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	16.32		M20
	Madhumara Yard	RUDP-2113 RUDP-2114	Saptakoshi	OPC OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	15.80		M20
329	T3L22A	RUDP-2115	Saptakoshi	OPC	Chisang Khola Chisang Khola	7-May-19	14-May-19	4-Jun-19	17.67		M25
330	T3L7	RUDP-2116	Saptakoshi	OPC	Chisang Khola	7-May-19 7-May-19	14-May-19	4-Jun-19	16.32		M20
331	R-6(BRANCH	RUDP-2117	Saptakoshi	OPC			14-May-19	4-Jun-19	15.28		M20
332	Line) R-9				Chisang Khola	7-May-19	14-May-19	4-Jun-19	16.32		M20
333	R-46	RUDP-2118 RUDP-2119	Saptakoshi Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	15.95		M20
334	R-110	RUDP-2120	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	16.17	1000	M20
335	Judi Vard	RUDP-2121	Saptakoshi	OPC	Chisang Khola Chisang Khola	7-May-19 8-May-19	14-May-19	4-Jun-19	15,95		M20
136	Madhumara Yard	RUDP-2122	Saptakoshi	OPC	Chisang Khola	8-May-19 8-May-19	15-May-19 15-May-19	5-Jun-19 5-Jun-19	17.36		M25
37	TZL19Y	RUDP-2123	Saptakoshi	OPC	Chisang Khola	8-May-19	15-May-19 15-May-19	5-Jun-19 5-Jun-19	17.29		M25
38	T3L10	RUDP-2124	Saptakoshi	OPC	Chisang Khola	8-May-19	15-May-19	5-Jun-19 5-Jun-19	15.87		M20
39.	T1L5	RUDP-2125	Saptakoshi	OPC	Chisang Khola	8-May-19	15-May-19	5-Jun-19 5-Jun-19	16.17		M20
40	R-44	RUDP-2126	Saptakoshi	OPC	Chisang Khola	8-May-19	15-May-19	5-Jun-19	16.17		M20
141	T3L T. LINE	RUDP-2127	Saptakoshi	OPC	Chisang Khola	8-May-19	15-May-19	5-Jun-19	16.25		M20
42	T3L7C	RUDP-2128	Saptakoshi	OPC	Chisang Khola	8-May-19	15-May-19	5-Jun-19	15.87		M20 M20
43	R-7	RUDP-2129	Saptakoshi	OPC	Chisang Khola	8-May-19	15-May-19	5-Jun-19	16.02		M20 M20
44	R-19	RUDP-2130	Saptakoshi	OPC	Chisang Khola	8-May-19	15-May-19	5-Jun-19	15.72		M20
45	R-83	RUDP-2131	Saptakoshi	OPC	Chisang Khola	8-May-19	15-May-19	5-Jun-19	15.72		M20
ZH	IONGHENG ERNATION/	CONSTRU	UCTION GE	ROUP D. LTD	BUILDING D CONSULTA	NCY PVT.	THORITY (F	LUS ENGIN	EERS & Al	TURE WIT	H B.N. FS (P)
ecker gineo			Submitte Contract M Rabindra K	lanager	Verified By Expert Qty Surv H.K. Mandal/Raja	eyor/CSE	RUI Biratnat	P	(6. 5 Broved By m Leader	0



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								Month Year		May 2019
-	1	1	-				Г	ype of Materi	al	Conc. Cube
S.N	Location	Lab Ref.no.	Type of Cement	Brand of		Date of	Date of	Testing	Strength	
346	T3L6	RUDP-2132	Saptakoshi	Cement OPC	Sand+Agg.	Casting	7 Days	28 Days	7 Days	28 Days Grade
347	T3L19A	RUDP-2133	Saptakoshi	OPC	Chisang Khola Chisang Khola	8-May-19 8-May-19	15-May-19	5-Jun-19	16.10	M20
348	Madhumara Yard	RUDP-2134	Saptakoshi	OPC	Chisang Khola	8-May-19	15-May-19 15-May-19	5-Jun-19 5-Jun-19	15.80	M20
349	T3L22A	RUDP-2135	Saptakoshi	OPC	Chisang Khola	8-May-19	15-May-19	5-Jun-19	18.28	M25 M20
350	T3L7	RUDP-2136	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	16.17	M20
351	R-6(BRANCH Line)	RUDP-2137	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	15.87	M20
352	R-9	RUDP-2138	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	16.69	
353	R-46	RUDP-2139	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	16.39	M20 M20
354	R-110	RUDP-2140	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	15.80	M20
355	Madhumara Yard	RUDP-2141	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	17.44	M25
350	Judi Yard T2L19Y	RUDP-2142 RUDP-2143	Saptakoshi Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	17.14	M20
358	T3L10	RUDP-2143 RUDP-2144	Saptakoshi	OPC	Chisang Khola Chisang Khola	9-May-19	16-May-19	6-Jun-19	16.77	M20
359	TILS	RUDP-2145	Saptakoshi	OPC	Chisang Khola Chisang Khola	9-May-19 9-May-19	16-May-19 16-May-19	6-Jun-19 6-Jun-19	16.17	M20
360	R-44	RUDP-2146	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	16.17	M20
361	T3L T. LINE	RUDP-2147	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	16.32	M20 M20
362	T3L7C	RUDP-2148	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	16.20	M20
363 364	R-7 R-19	RUDP-2149	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	15.87	M20
365	R-83	RUDP-2150 RUDP-2151	Saptakoshi Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	15.95	M20
366	R-9	RUDP-2152	Saptakoshi	OPC	Chisang Khola Chisang Khola	10-May-19	17-May-19	7-Jun-19	16.54	M20
367	R-9	RUDP-2153	Saptakoshi	OPC	Chisang Khola	10-May-19 10-May-19	17-May-19 17-May-19	7-Jun-19 7-Jun-19	15,43	M20
368	T3L T. LINE	RUDP-2154	Saptakoshi	OPC	Chisang Khola	10-May-19	17-May-19	7-Jun-19	15.43	M20 M20
369	R-46	RUDP-2155	Saptakoshi	OPC	Chisang Khola	10-May-19	17-May-19	7-Jun-19	15.87	M20
370 371	T2L19Y	RUDP-2156	Saptakoshi	OPC	Chisang Khola	10-May-19	17-May-19	7-Jun-19	15.80	M20
172	R-110 R-19	RUDP-2157 RUDP-2158	Saptakoshi	OPC	Chisang Khola	10-May-19	17-May-19	7-Jun-19	16.32	M20
173	T3L10	RUDP-2158 RUDP-2159	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola	10-May-19	17-May-19	7-Jun-19	16.32	M20
174	R-83	RUDP-2160	Saptakoshi	OPC	Chisang Khola Chisang Khola	10-May-19 10-May-19	17-May-19	7-Jun-19	16.17	M20
175	Madhumara Yard	RUDP-2161	Saptakoshi	OPC	Chisang Khola	10-May-19	17-May-19 17-May-19	7-Jun-19 7-Jun-19	15.95	M20
76	Judi Yard	RUDP-2162	Saptakosht	OPC	Chisang Khola	10-May-19	17-May-19	7-Jun-19	16.17	M25 M20
77	Madhumara Yard	RUDP-2163	Saptakoshi	OPC	Chisang Khola	10-May-19	17-May-19	7-Jun-19	17.14	M25
78	R-9 TJL19A	RUDP-2164 RUDP-2165	Saptakoshi Saptakoshi	OPC	Chisang Khola	10-May-19	17-May-19	7-Jun-19	16.32	M20
80	R-6(BRANCH Line)	RUDP-2166	Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	10-May-19 10-May-19	17-May-19 17-May-19	7-Jun-19 7-Jun-19	16.69	M20 M20
81	R-6(BRANCH Line)	RUDP-2167	Saptakoshi	OPC	Chisang Khola	10-May-19	17-May-19	7-Jun-19	15.95	100
82	T3L T LINE	RUDP-2168	Saptakoshi	OPC	Chisang Khola	11-May-19	18-May-19	8-Jun-19		M20
83	R-46	RUDP-2169	Saptakoshi	OPC	Chisang Khola	11-May-19	18-May-19	8-Jun-19	16.99	M20 M20
84	T2L19Y	RUDP-2170	Saptakoshi	OPC	Chisang Khola	11-May-19	18-May-19	8-Jun-19	16.32	M20
85	R-110 R-19	RUDP-2171 RUDP-2172	Saptakoshi	OPC	Chisang Khola	11-May-19	18-May-19	8-Jun-19	15,87	M20
87	T3L10	RUDP-2172 RUDP-2173	Saptakoshi Saptakoshi	OPC	Chisang Khola	11-May-19	18-May-19	8-Jun-19	16.32	M20
88	R-83	RUDP-2173	Saptakoshi	OPC	Chisang Khola Chisang Khola	11-May-19	18-May-19	8-Jun-19	15.95	M20
89	Judi Yard	RUDP-2175	Saptakoshi	OPC	Chisang Khola	11-May-19 11-May-19	18-May-19 18-May-19	8-Jun-19 8-Jun-19	15.95	M20
20	Madhumara Yard	RUDP-2176	Saptakoshi	OPC	Chisang Khola	11-May-19	18-May-19 18-May-19	8-Jun-19	16.25	M20
n	Madhumara Yard	RUDP-2177	Saptakoshi	OPC	Chisang Khola	11-May-19	18-May-19	8-Jun-19	17.44	M25 M25
13	R-9 T3L39A	RUDP-2178 RUDP-2179	Saptakoshi.	OPC	Chisang Khola	11-May-19	18-May-19	8-Jun-19	16.32	M20
- 1	istant.	Contractor	Saptakoshi	OPC	Chisang Khola	8-May-19	15-May-19	5-Jun-19	16.32	M20
Z	HONGHENG TERNATION	CONSTRU	CTION GR	OUP . LTD	BUILDING D CONSULTA	NCY PVT.	THORITY (P	LUS ENGIN	EERS & AF	TURE WITH B.N. RCHITECTS (P)
ecke		11 - 11 - 11 - 11 - 11 - 11 - 11 - 11	Submittee Contract Ma Rabindra K.T	mager	Vernied By Expert Qty Surv H.K. Mandal/Raja	eyor/CSE	S.	PH BUS JIV *	App	roved By m Leader



					Biratnagar M Contract No:- I hary Sheet of Co	RUDP/ICB/	n City BRT-02				
								Month		M	ay
								Year		20	19
	1.000	1	Type of	Brand of	Source of	1		ype of Materi	-	and the second se	Cube
S.N.	Location	Lab Ref.no.	Cement	Cement	Source of Sand+Agg.	Date of Casting	7 Days	f Testing 28 Days		h, N/mm2	Concrete
394	T3L22A	RUDP-2180	Saptakoshi	OPC	Chisang Khola	11-May-19	18-May-19	8-Jun-19	7 Days 16.32	28 Days	Grade
395	T3L T. LINE	RUDP-2181	Saptakoshi	OPC	Chisang Khola	12-May-19	19-May-19	9-Jun-19	14.98	-	M20
396	R-83	RUDP-2182	Saptakoshi	OPC	Chisang Khola	12-May-19	19-May-19	9-Jun-19	15,80	-	M20 M20
397	R-110	RUDP-2183	Saptakoshi	OPC	Chisang Khola	12-May-19	19-May-19	9-Jun-19	14.98		M20
398 399	Judi Yard R-46	RUDP-2184	Saptakoshi	OPC	Chisang Khola	12-May-19	19-May-19	9-Jun-19	14,98		M20
400	R-9	RUDP-2185 RUDP-2186	Saptakoshi Saptakoshi	OPC	Chisang Khola	12-May-19	19-May-19	9-Jun-19	16.39		M20
401	Koshi Yard	RUDP-2180	Saptakoshi	OPC OPC	Chisang Khola	12-May-19	19-May-19	9-Jun-19	14.98		M20
402	Madhumara Yard	RUDP-2188	Saptakoshi	OPC	Chisang Khola Chisang Khola	12-May-19	19-May-19	9-Jun-19	15.28		M20
403	R-9	RUDP-2189	Saptakoshi	OPC	Chisang Khola	12-May-19	19-May-19	9-Jun-19	16.39		M20
404	T3L39A	RUDP-2190	Saptakoshi	OPC	Chisang Khola	12-May-19 13-May-19	19-May-19 20 May 10	9-Jun-19	16.69	-	M20
405	R-6(BRANCH	RUDP-2191	Saptakoshi	OPC			20-May-19	10-Jun-19	14.98		M20
406	Line) T3L22A	RUDP-2191		-	Chisang Khola	13-May-19	20-May-19	10-Jun-19	17.14		M20
407	Madhumara Yard	RUDP-2192 RUDP-2193	Saptakoshi Saptakoshi	OPC	Chisang Khola	13-May-19	20-May-19	10-Jun-19	15.43		M20
408	T3L T. LINE	RUDP-2193	Saptakoshi	OPC	Chisang Khola Chisang Khola	13-May-19	20-May-19	10-Jun-19	18,12	-	M25
409	Koshi Yard	RUDP-2195	Saptakoshi	OPC	Chisang Khola	13-May-19 13-May-19	20-May-19	10-Jun-19	14.83		M20
410	R-9	RUDP-2196	Saptakoshi	OPC	Chisang Khola	13-May-19	20-May-19 20-May-19	10-Jun-19 10-Jun-19	14.23		M20
411	R-83	RUDP-2197	Saptakoshi	OPC	Chisang Khola	13-May-19	20-May-19	10-Jun-19	15.95		M20
412	R-19	RUDP-2198	Saptakoshi	OPC	Chisang Khola	13-May-19	20-May-19	10-Jun-19	15.43		M20 M20
413	R-82	RUDP-2199	Saptakoshi	OPC	Chisang Khola	13-May-19	20-May-19	10-Jun-19	16.62	-	M20
414	R-9	RUDP-2200	Saptakoshi	OPC	Chisang Khola	14-May-19	21-May-19	11-Jun-19	14,98		M20
415	R-9	RUDP-2201	Saptakoshi	OPC	Chisang Khola	14-May-19	21-May-19	11-Jun-19	16,02		M20
416	T3L7C R-82	RUDP-2202	Saptakoshi	OPC	Chisang Khola	14-May-19	21-May-19	11-Jun-19	14.53		M20
418	R-82 R-44	RUDP-2203 RUDP-2204	Saptakoshi Saptakoshi	OPC	Chisang Khola	14-May-19	21-May-19	11-Jun-19	15,13		M20
419	T3L T. LINE	RUDP-2204	Saptakoshi	OPC	Chisang Khola	14-May-19	21-May-19	11-Jun-19	15.95		M20
420	T3L22A	RUDP-2206	Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	14-May-19	21-May-19	11-Jun-19	14.53		M20
421	Koshi Yard	RUDP-2207	Saptakoshi	OPC	Chisang Khola	14-May-19 14-May-19	21-May-19	11-Jun-19	15.80		M20
422	T2L19Y	RUDP-2208	Saptakoshi	OPC	Chisang Khola	14-May-19	21-May-19 21-May-19	11-Jun-19 11-Jun-19	14.53		M20
423	Madhumara Yard	RUDP-2209	Saptakoshi	OPC	Chisang Khola	14-May-19	21-May-19	11-Jun-19	16,32 17.36		M20 M25
424	Judi Yard	RUDP-2210	Saptakoshi	OPC	Chisang Khola	15-May-19	22-May-19	12-Jun-19	14.75		M20
425	R-82	RUDP-2211	Saptakoshi	OPC	Chisang Khola	15-May-19	22-May-19	12-Jun-19	15.28		M20
426	R-9	RUDP-2212	Saptakoshi	OPC	Chisang Khola	15-May-19	22-May-19	12-Jun-19	14.61		M20
428	T3L39A Judi Yard	RUDP-2213	Saptakoshi	OPC	Chisang Khola	15-May-19	22-May-19	12-Jun-19	15.72		M20
429	T3L39A	RUDP-2214 RUDP-2215	Saptakoshi	OPC	Chisang Khola	16-May-19	23-May-19	13-Jun-19	14.53		M20
430	Madhumara Yard	RUDP-2215	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	16-May-19	23-May-19	13-Jun-19	15.28		M20
431	R-110	RUDP-2217	Saptakoshi	OPC	Chisang Khola Chisang Khola	16-May-19 16-May-19	23-May-19	13-Jun-19	17.06		M25
132	R-9	RUDP-2218	Saptakoshi	OPC	Chisang Khola	16-May-19 16-May-19	23-May-19 23-May-19	13-Jun-19 13-Jun-19	15,43		M20
133	Koshi Yard	RUDP-2219	Saptakoslii	OPC	Chisang Khola	16-May-19	23-May-19	13-Jun-19	15.87		M20 M20
134	T3L10	RUDP-2220	Saptakoshi	OPC	Chisang Khola	16-May-19	23-May-19	13-Jun-19	14.61		M20
135	R-83	RUDP-2221	Saptakoshi	OPC	Chisang Khola	16-May-19	23-May-19	13-Jun-19	15.28		M20
136	R-9	RUDP-2222	Saptakoshi	OPC	Chisang Khola	16-May-19	23-May-19	13-Jun-19	15.72		M20
37	R-46	RUDP-2223	Saptakoshi	OPC	Chisang Khola	17-May-19	24-May-19	14-Jun-19	15.80		M20
38	R-9 R-6(BRANCH	RUDP-2224	Saptakoshi	OPC	Chisang Khola	17-May-19	24-May-19	14-Jun-19	14.90		M20
39	Line)	RUDP-2225	Saptakoshi	OPC	Chisang Khola	17-May-19	24-May-19	14-Jun-19	16.77		M20
40	T2L19Y	RUDP-2226	Saptakoshi	OPC	Chisang Khola	17-May-19	24-May-19	14-Jun-19	15.87		M20
41	Madhumara Yard	RUDP-2227	Saptakoshi	OPC	Chisang Khola	17-May-19	24-May-19	14-Jun-19	- 16.39		M20
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ZI	HONGHENG	CONSTRU	UCTION GI	ROUP O. LTD	BUILDING D CONSULTA	NCY PVT.	LTD AND P	LUS ENGIN	EERS & A	TURE WIT RCHITEC	TH B.N. TS (P)
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								Month		M	fay
								Year	-		019
in a l			1		1	1		ype of Materia	il .	Conc	Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand+Agg.	Date of Casting		Testing		N/mm2	Concret
442	Madhumara Yard	RUDP-2228	Saptakoshi	OPC	Chisang Khola	17-May-19	7 Days	28 Days	7 Days	28 Days	Grade
443	T3L39A	RUDP-2229	Saptakoshi	OPC	Chisang Khola	17-May-19	24-May-19 24-May-19	14-Jun-19 14-Jun-19	17.89		M25
444	T3L22A	RUDP-2230	Saptakoshi	OPC	Chisang Khola	18-May-19	24-May-19 25-May-19	14-Jun-19 15-Jun-19	14.91		M20
445	R-83	RUDP-2231	Saptakoshi	OPC	Chisang Khola	18-May-19	25-May-19	15-Jun-19	15.50	-	M20
446	Judi Yard	RUDP-2232	Saptakoshi	OPC	Chisang Khola	18-May-19	25-May-19	15-Jun-19	15.65		M20 M20
447	T3L10	RUDP-2233	Saptakoshi	OPC	Chisang Khola	18-May-19	25-May-19	15-Jun-19	14.98	-	M20 M20
448	R-83	RUDP-2234	Saptakoshi	OPC	Chisang Khola	18-May-19	25-May-19	15-Jun-19	15.13	-	M20
449	R-110	RUDP-2235	Saptakoshi	OPC	Chisang Khola	19-May-19	26-May-19	16-Jun-19	14.90		M20
450	R-83	RUDP-2236	Saptakoshi	OPC	Chisang Khola	19-May-19	26-May-19	16-Jun-19	14.31		M20
451	Madhumara Yard	RUDP-2237	Saptakoshi	OPC	Chisang Khola	19-May-19	26-May-19	16-Jun-19	18,27		M25
452	T3L T. LINE	RUDP-2238	Saptakoshi	OPC	Chisang Khola	20-May-19	27-May-19	17-Jun-19	15,43		M20
453	Koshi Yard R.83	RUDP-2239	Saptakoshi	OPC	Chisang Khola	20-May-19	27-May-19	17-Jun-19	16.32		M20
455	R-83 R-110	RUDP-2240 RUDP-2241	Saptakoshi	OPC	Chisang Khola	20-May-19	27-May-19	17-Jun-19	16.25		M20
456	Judi Yard	RUDP-2241 RUDP-2242	Saptakoshi Saptakoshi	OPC	Chisang Khola	20-May-19	27-May-19	17-Jun-19	16.47		M20
457	T3L T LINE	RUDP-2242 RUDP-2243	Saptakoshi	OPC OPC	Chisang Khola	21-May-19	28-May-19	18-Jun-19	15.57		M20
458	R-3	RUDP-2243	Saptakoshi	OPC	Chisang Khola	21-May-19	28-May-19	18-Jun-19	15.80		M20
459	R-110	RUDP-2245	Saptakoshi	OPC	Chisang Khola	22-May-19	29-May-19	19-Jun-19	14.98		M20
460	Madhumara Yard	RUDP-2245	Saptakoshi	OPC	Chisang Khola Chisang Khola	22-May-19 22-May-19	29-May-19	19-Jun-19	15.43		M20
461	T2L19Y	RUDP-2247	Saptakoshi	OPC	Chisang Khola		29-May-19	19-Jun-19	18.42		M25
462	R-9	RUDP-2248	Saptakoshi	OPC	Chisang Khola	22-May-19 23-May-19	29-May-19	19-Jun-19	15.35		M20
463	R-83	RUDP-2249	Saptakoshi	OPC	Chisang Khola	23-May-19 23-May-19	30-May-19	20-Jun-19	15.80		M20
464	Judi Yard	RUDP-2250	Saptakoshi	OPC	Chisang Khola	23-May-19	30-May-19	20-Jun-19	14.98		M20
465	Madhumara Yard	RUDP-2251	Saptakoshi	OPC	Chisang Khola	24-May-19	30-May-19 31-May-19	20-Jun-19 21-Jun-19	14.90		M20
466	T3L39A	RUDP-2252	Saptakoshi	OPC	Chisang Khola	24-May-19	31-May-19 31-May-19	21-Jun-19 21-Jun-19	15.43		M20
467	R-9	RUDP-2253	Saptakoshi	OPC	Chisang Khola	24-May-19	31-May-19	21-Jun-19	15.43		M20
468	T2L19Y	RUDP-2254	Saptakoshi	OPC	Chisang Khola	24-May-19	31-May-19	21-Jun-19	15,50		M20
469	Judi Yard	RUDP-2255	Saptakoshi	OPC	Chisang Khola	24-May-19	31-May-19	21-Jun-19	16,02		M20
470	R-3	RUDP-2256	Saptakoshi	OPC	Chisang Khola	24-May-19	31-May-19	21-Jun-19	15.13		M20 M20
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1	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	f Testing 28 Days	Strength 7 Days	28	Type Grad
Ŧ	T2L22A	MR-1862	Saptakoshi	OPC	Chisang Khola	3-Apr-19	10-Apr-19	1-May-19		Days 9.89	7.5
2	R-110	MR-1863	Saptakoshi	OPC ·	Chisang Khola	3-Apr-19	10-Apr-19	1-May-19		8.93	7.5
3	R-2	MR-1864	Saptakoshi	OPC	Chisang Khola	4-Apr-19	11-Apr-19	2-May-19		9.34	7,5
4	R-110	MR-1865	Saptakoshi	OPC	Chisang Khola	4-Apr-19	11-Apr-19	2-May-19		8.11	7.5
5	R-110	MR-1866	Saptakoshi	OPC	Chisang Khola	4-Apr-19	11-Apr-19	2-May-19		8.79	7.5
6	R-2	MR-1867	Saptakoshi	OPC	Chisang Khola	5-Apr-19	12-Apr-19	3-May-19		9.48	7.5
7	R-44	MR-1868	Saptakoshi	OPC	Chisang Khola	5-Apr-19	12-Apr-19	3-May-19		9.20	7.5
8	R-44	MR-1869	Saptakoshi	OPC	Chisang Khola	5-Apr-19	12-Apr-19	3-May-19		9.07	7.5
9	R-82	MR-1870	Saptakoshi	OPC	Chisang Khola	6-Apr-19	13-Apr-19	4-May-19	-	9.62	7.5
10	R-2 T1L5	MR-1871 MR-1872	Saptakoshi Saptakoshi	OPC	Chisang Khola	6-Apr-19	13-Apr-19	4-May-19	-	9.62	7.5
12	R-2	MR-1872 MR-1873	Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	7-Apr-19 7-Apr-19	14-Apr-19 14-Apr-19	5-May-19 5-May-19	-	9.89	7.5
13	Rani site	MR-1874	Saptakoshi	OPC	Chisang Khola	8-Apr-19	14-Apr-19	6-May-19	-	8.38 8.93	7.5
14	R-44	MR-1875	Saptakoshi	OPC	Chisang Khola	9-Apr-19	16-Apr-19	7-May-19	-	9.20	7.5
15	R-2	MR-1876	Saptakoshi	OPC	Chisang Khola	10-Apr-19	17-Apr-19	8-May-19	-	9.20	7.5
16	R-44	MR-1877	Saptakoshi	OPC	Chisang Khola	10-Apr-19	17-Apr-19	8-May-19	-	8.79	7.5
17	R-82	MR-1878	Saptakoshi	OPC	Chisang Khola	10-Apr-19	17-Apr-19	8-May-19		8.11	7.5
18	R-110	MR-1879	Saptakoshi	OPC	Chisang Khola	11-Apr-19	18-Apr-19	9-May-19		9.20	7.5
19	R-2	MR-1880	Saptakoshi	OPC	Chisang Khola	12-Apr-19	19-Apr-19	10-May-19		8.79	7.5
20	R-7	MR-1881	Saptakoshi	OPC	Chisang Khola	12-Apr-19	19-Apr-19	10-May-19		9.20	7.5
21	R-110	MR-1882	Saptakoshi	OPC	Chisang Khola	12-Apr-19	19-Apr-19	10-May-19		9.62	7.5
22	T11.5	MR-1883	Saptakoshi	OPC	Chisang Khola	12-Apr-19	19-Apr-19	10-May-19		8.24	7.5
23	R-7	MR-1884	Saptakoshi	OPC	Chisang Khola	12-Apr-19	19-Apr-19	10-May-19		10.03	7.5
24	TIL5	MR-1885	Saptakoshi	OPC	Chisang Khola	13-Apr-19	20-Apr-19	11-May-19		9.07	7.5
25	Rani site	MR-1886	Saptakoshi	OPC	Chisang Khola	14-Apr-19	21-Apr-19	12-May-19	-	8.93	7.5
26	R-2	MR-1887	Saptakoshi	OPC	Chisang Khola	15-Apr-19	22-Apr-19	13-May-19		9.34	7.5
27	T21.19Y	MR-1888	Saptakoshi Saptakoshi	OPC	Chisang Khola	15-Apr-19	22-Apr-19	13-May-19		9.62	7.5
28	R-110 R-2	MR-1889 MR-1890	Saptakoshi	OPC	Chisang Khola Chisang Khola	15-Apr-19 15-Apr-19	22-Apr-19	13-May-19		8.93	7.5
30	TIL5	MR-1890 MR-1891	Saptakoshi	OPC OPC	Chisang Khola	15-Apr-19 16-Apr-19	22-Apr-19	13-May-19	-	8.97	7.5
31	Rani site	MR-1891 MR-1892	Saptakoshi	OPC	Chisang Khola	10-Apr-19 17-Apr-19	23-Apr-19 24-Apr-19	14-May-19 15-May-19	-	9.48 8.65	7.5
32	T3L7	MR-1892	Saptakoshi	OPC	Chisang Khola	17-Apr-19	24-Apr-19 24-Apr-19	15-May-19		9.75	7.5
33	R-110	MR-1894	Saptakoshi	OPC	Chisang Khola	17-Apr-19		15-May-19		9.07	7.5
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REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Mortar Test Report Month May Year 2019 Brick Wall **Description of Sample** Strength, N/mm2 Date of Testing Lab Brand of Date of Type of SN Location Type of Cement Source of Sand Ref.no. Casting Cement 28 Grade 7 Days 28 Days 7 Days Days 34 T2L19Y MR-1895 Saptakoshi 15-May-19 OPC Chisang Khola 17-Apr-19 24-Apr-19 9.48 7.5 R-46 MR-1896 Saptakoshi Chisang Khola 18-Apr-19 16-May-19 OPC 25-Apr-19 9.75 36 R-82 MR-1897 Saptakoshi OPC Chisang Khola 18-Apr-19 25-Apr-19 16-May-19 9.07 MR-1898 Saptakoshi 18-Apr-19 16-May-19 R-110 OPC Chisang Khola 25-Apr-19 9.89 7.5 38 MR-1899 Saptakoshi Chisang Khola 16-May-19 R-82 OPO 18-Apr-19 25-Apr-19 9.20 75 39 R-46 Saptakoshi 7.5 MR-1900 Chisang Khola 19-Apr-19 26-Apr-19 17-May-19 OPC 8 79 40 R-42 MR-1901 Saptakoshi Chisang Khola 17-May-19 OPC 19-Apr-19 26-Apr-19 9.34 7.5 41 MR-1902 Saptakoshi Chisang Khola 19-Apr-19 17-May-19 R-110 OPC 26-Apr-19 9.89 7.5 42 T3L MR-1903 Saptakoshi OPC Chisang Khola 19-Apr-19 26-Apr-19 17-May-19 9.07 7.5 43 MR-1904 Saptakoshi Chisang Khola Rani site OPC 19-Apr-19 17-May-19 9.34 26-Apr-19 44 R-46 MR-1905 Saptakoshi OPC Chisang Khola 20-Apr-19 27-Apr-19 18-May-19 9.75 7.5 45 MR-1906 Saptakoshi Chisang Khola 20-Apr-19 18-May-19 T11.5 OPC 27-Apr-19 8.79 75 -46 Saptakoshi 21-Apr-19 R-46 MR-1907 OPC Chisang Khola 28-Apr-19 19-May-19 8.24 7.5 47 R-42 MR-1908 Saptakoshi Chisang Khola 21-Apr-19 19-May-19 7.5 OPC 28-Apr-19 8.93 48 R-110 MR-1909 Saptakoshi OPC Chisang Khola 21-Apr-19 19-May-19 9.34 7,5 28-Apr-19 49 8.65 R-46 MR-1910 Saptakoshi Chisang Khola 22-Apr-19 20-May-19 OPC 29-Apr-19 7.5 R-46 50 Saptakoshi MR-1911 OPC Chisang Khola 22-Apr-19 29-Apr-19 20-May-19 9.20 7.5 23-Apr-19 R-82 MR-1912 Saptakoshi Chisang Khola 21-May-19 7.5 OPC 30-Apr-19 9.34 52 R-110 MR-1913 Saptakoshi Chisang Khola 23-Apr-19 21-May-19 OPC 30-Apr-19 9.20 53 MR-1914 Saptakoshi 23-Apr-19 30-Apr-19 21-May-19 R-110 OPC Chisang Khola 9.48 7.5 54 Saptakoshi R-46 MR-1915 21-May-19 OPC Chisang Khola 23-Apr-19 30-Apr-19 7.5 Chisang Khola T3L22A MR-1916 Saptakoshi OPC 24-Apr-19 22-May-19 1-May-19 6.43 10.58 56 T3L7 MR-1917 Saptakoshi OPC Chisang Khola 24-Apr-19 1-May-19 22-May-19 5.73 10.44 7.5 R-6 BRANCH 57 MR-1918 Saptakoshi OPC Chisang Khola 24-Apr-19 1-May-19 22-May-19 6.15 9.07 7.5 LINE MR-1919 58 R-9 Saptakoshi OPC Chisang Khola 24-Apr-19 1-May-19 22-May-19 5.59 9.75 7.5 R-46 MR-1920 Saptakoshi 24-Apr-19 22-May-19 OPC Chisang Khola 1-May-19 6.29 7.5 10.30 60 R-46 MR-1921 Saptakoshi OPC Chisang Khola 24-Apr-19 1-May-19 22-May-19 6.71 9.48 75 61 R-110 MR-1922 Saptakoshi OPC Chisang Khola 24-Apr-19 22-May-19 7.5 1-May-19 5.59 10.72 2-May-19 62 T21.19Y MR-1923 Saptakoshi OPC Chisang Khola 25-Apr-19 23-May-19 9.62 7.5 5.45 MR-1924 63 23-May-19 T3L10 Saptakoshi OPC Chisang Khola 25-Apr-19 2-May-19 6.01 9.89 75 Chisang Khola 2-May-19 64 TILS MR-1925 Saptakoshi 25-Apr-19 23-May-19 OPO 5.31 8.79 7.5 25-Apr-19 65 T3L22A MR-1926 Saptakoshi OPC Chisang Khola 2-May-19 23-May-19 5.73 8.38 7.5 MR-1927 Saptakoshi 25-Apr-19 23-May-19 66 R-44 OPC Chisang Khola 2-May-19 5.87 8.24 7.5 ConPactor Consultant BUILDING DESIGN AUTHORITY (P) LTD IN JOINT ZHONGHENG CONSTRUCTION GROUP VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS INTERNATIONAL ENGINEERING CO. LTD ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ority (P) 4 2 Check By Submitted By RUDP Vekifted By Snrd Approved By Engineer Contract Manager Expert Qty Surveyor CSI Team Leader Benu Shrestha Rabindra Kr. Thakur H.K. Mandal/Rajan Shreet Giresh Chand Biratnaga



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S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28 Days	Type o Grade
67	_R-82	MR-1928	Saptakoshi	OPC	Chisang Khola	27-Apr-19	4-May-19	25-May-19	5.59	7.97	7.5
68	T3L7 R-6 BRANCH	MR-1929	Saptakoshi	OPC	Chisang Khoła	27-Apr-19	4-May-19	25-May-19	6.01	8,79	7.5
69	LINE	MR-1930	Saptakoshi	OPC	Chisang Khola	27-Apr-19	4-May-19	25-May-19	5.87	9.48	7.5
70	T3L7	MR-1931	Saptakoshi	OPC	Chisang Khola	27-Apr-19	4-May-19	25-May-19	6.29	9.89	7.5
71	R-44	MR-1932	Saptakoshi	OPC	Chisang Khola	27-Apr-19	4-May-19	25-May-19	5.87	8.24	7.5
72	R-9	MR-1933	Saptakoshi	OPC	Chisang Khola	27-Apr-19	4-May-19	25-May-19	5.87	8,11	7.5
73	R-46 R-7	MR-1934 MR-1935	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola	28-Apr-19	5-May-19	26-May-19 26-May-19	5.59	8.38	7.5
75	R-44	MR-1935 MR-1936	Saptakoshi	OPC	Chisang Khola Chisang Khola	28-Apr-19 28-Apr-19	5-May-19 5-May-19	26-May-19 26-May-19	6.29 5.87	8.79 9.48	7.5
76	T3L T. LINE	MR-1937	Saptakoshi	OPC	Chisang Khola	28-Apr-19	5-May-19	26-May-19	5.73	7.97	7.5
77	T3L7C	MR-1938	Saptakoshi	OPC	Chisang Khola	28-Apr-19	5-May-19	26-May-19	6,01	8.79	7.5
78	R-7	MR-1939	Saptakoshi	OPC	Chisang Khola	28-Apr-19	5-May-19	26-May-19	5.59	8.52	7.5
79	R-19	MR-1940	Saptakoshi	OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19	6.01	9.62	7.5
80	T3L22A	MR-1941	Saptakoshi	OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19	6.57	9.89	7.5
81 82	R-46 R-9	MR-1942 MR-1943	Saptakoshi Saptakoshi	OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19	5.87	10.03	7.5
83	T2L19Y	MR-1943 MR-1944	Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	29-Apr-19 29-Apr-19	6-May-19 6-May-19	27-May-19 27-May-19	6.71	10.58	7.5
84	R-44	MR-1945	Saptakoshi	OPC	Chisang Khola	29-Apr-19	6-May-19	27-May-19	5.87	9.07	7.5
85	R-82	MR-1946	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	6.43	9.62	7.5
86	R-110	MR-1947	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	6.01	10,17	7.5
87	T31.22A	MR-1948	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	5.73	8.24	7.5
.88	.R-7	MR-1949	Saptakoshi	OPC	Chisang Khola	30-Apr-19	7-May-19	28-May-19	6.29	8.38	7.5
89 90	R-46	MR-1950	Saptakoshi	OPC	Chisang Khola	1-May-19	8-May-19	29-May-19	5.73	8.65	7.5
91	T3L T. LINE R-7	MR-1951 MR-1952	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	1-May-19 1-May-19	8-May-19 8-May-19	29-May-19 29-May-19	6.43 5.59	9.20 8.24	7.5
92	R-82	MR-1953	Saptakoshi	OPC	Chisang Khola	1-May-19	8-May-19	29-May-19	5.73	9.07	7.5
93	R-44	MR-1954	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19	30-May-19	6.15	8.38	7.5
94	R-83	MR-1955	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19	30-May-19	5.59	8,79	7.5
95	T3L6	MR-1956	Saptakoshi	OPC	Chisang Khola	2-May-19	9-May-19	30-May-19	5.73	8.65	7,5
96	T3L22A	MR-1957	Saptakoshi	OPC	Chisang Khola	3-May-19	10-May-19	31-May-19	5.59	9.62	7.5
97 98	T3L39A T3L6	MR-1958 MR-1959	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	3-May-19 3-May-19	10-May-19	31-May-19	6.71	9.48	7.5
-99	R-19	MR-1960	Saptakoshi	OPC	Chisang Khola	3-May-19	10-May-19 10-May-19	31-May-19 31-May-19	6.15	10.03	7.5
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S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	Testing 28 Days	Strength, 7 Days	28 Days	Type Grad	
100	R-6 Branch	MR-1961	Saptakoshi		Chisang Khola	5-May-19	12-May-19	2-Jun-19	5.87	Days	7.5	
101	line T3L7C	MR-1962	Saptakoshi	OPC OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	6.57		7.5	
102	TIL5	MR-1963	Saptakoshi	OPC	Chisang Khola	5-May-19	12-May-19	2-Jun-19	6.15	-	7.5	
103	R-110	MR-1964	Saptakoshi	OPC	Chisang Khola	6-May-19	13-May-19	3-Jun-19	6.85	-	7.5	
104	R-46	MR-1965	Saptakoshi	OPC	Chisang Khola	6-May-19	13-May-19	3-Jun-19	5.87		7.:	
105	T2L19Y	MR-1966	Saptakoshi	OPC	Chisang Khola	6-May-19	13-May-19	3-Jun-19	6.57		7.4	
106	T3L T LINE	MR-1967	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	6.15		7.5	
1.07	F3L7	MR-1968	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	5.45		7.5	
108	T3L39A	MR-1969	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	6,43		7.5	
109	R-83	MR-1970	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	6.01	-	7.5	
110	T3L10 R-6 Branch	MR-1971	Saptakoshi	OPC	Chisang Khola	7-May-19	14-May-19	4-Jun-19	6,57	_	7.5	
111	line	MR-1972	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	5.59		7.5	
112	T3L22A	MR-1973	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	6.43		7.5	
113	R-19	MR-1974	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	6.85		7.5	
114	T3L10	MR-1975	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	5.73		7.3	
115	R-7	MR-1976	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	6.15		7.5	
116	R-9	MR-1977	Saptakoshi	OPC	Chisang Khola	9-May-19	16-May-19	6-Jun-19	6.99		7.5	
117	R-44	MR-1978	Saptakoshi	OPC	Chisang Khola	10-May-19	17-May-19	7-Jun-19	6.85		7.5	
118	R-46	MR-1979	Saptakoshi	OPC	Chisang Khola	10-May-19	17-May-19	7-Jun-19	6.29		7.5	
119	T2L19Y	MR-1980	Saptakoshi	OPC	Chisang Khola	10-May-19	17-May-19	7-Jun-19	5,59		7,5	
120	R-9	MR-1981	Saptakoshi	OPC	Chisang Khola	12-May-19	19-May-19	9-Jun-19	6,01		7.5	
121	T21.19Y R-19	MR-1982 MR-1983	Saptakoshi	OPC	Chisang Khola	12-May-19	19-May-19	9-Jun-19	5.87	_	7.5	
122	T3L6	MR-1983 MR-1984	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	12-May-19 13-May-19	19-May-19 20-May-19	9-Jun-19 10-Jun-19	5.73	-	7,5	
124	T3L39A	MR-1985	Saptakoshi	OPC	Chisang Khola	13-May-19	20-May-19 20-May-19	10-Jun-19	6.01	-	7.5	
125	R-7	MR-1986	Saptakoshi	OPC	Chisang Khola	13-May-19	20-May-19	10-Jun-19	6.85	-	7.5	
126	R-83	MR-1987	Saptakoshi	OPC	Chisang Khola	13-May-19	20-May-19	10-Jun-19	6.85	-	7.5	
127	T3L T, LINE	MR-1988	Saptakoshi	OPC	Chisang Khola	13-May-19	20-May-19	10-Jun-19	7.13		7.5	
128	R-46	MR-1989	Saptakoshi	OPC	Chisang Khola	14-May-19	21-May-19	11-Jun-19	5.45		7.5	
129	T2L19Y	MR-1990	Saptakoshi	OPC	Chisang Khola	14-May-19	21-May-19	11-Jun-19	6.01		7.5	
130	R-110	MR-1991	Saptakoshi	OPC	Chisang Khola	14-May-19	21-May-19	11-Jun-19	6.43		7.5	
131	R-9	MR-1992	Saptakoshi	OPC	Chisang Khola	14-May-19	21-May-19	11-Jun-19	6.71		7.5	
132	R-46	MR-1993	Saptakoshi	OPC	Chisang Khola	14-May-19	21-May-19	11-Jun-19	6.29/		7.5	
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			RUCTION G		VENTURE V	ING DESIG WITH B.N. ERS & ARG	CONSULT CHITECTS	RITY (P) L ANCY PV 5 (P) LTD, 1 L	T. LTD	AND	PLU	
Checke By Engineer Benu Shrestha			Submitte Contract M Rabindra Kr.	ed By lanager	Verified By Expert Qty Su H.K. Mandal/Ra	rveyor/CS	NUD	IBIN	Tea	proved By eam Leader		
Jenu :	anrestna		Rabindra Kr.	<u>Inakur</u>	ןרו.א. ואופחספו/Ra	ijan Shrestija	* Biratnag	at the	Gir	resh Ch	and	



			2	unnary	Sheet of Mort	ar rest kep	on				
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							Descri	Year ption of Samp	ole		019 k Wal
		Lab		Den L.C.		D		Testing	1	, N/mm2	
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28. Days	Gra
133	R-6 Branch line	MR-1994	Saptakoshi	OPC	Chisang Khola	16-May-19	23-May-19	13-Jun-19	5.31		7.5
134	T31.7	MR-1995	Saptakoshi	OPE	Chisang Khola	16-May-19	23-May-19	13-Jun-19	6.01		7.5
135	T3L7	MR-1996	Saptakoshi	OPC	Chisang Khola	16-May-19	23-May-19	13-Jun-19	7.27		7.5
136	T3L22A	MR-1997	Saptakoshi	OPC	Chisang Khola	16-May-19	23-May-19	13-Jun-19	5.73		7.5
137	R-46	MR-1998	Saptakoshi	OPC	Chisang Khola	16-May-19	23-May-19	13-Jun-19	5,73		7.5
138	R-110 T3L10	MR-1999 MR-2000	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	16-May-19 18-May-19	23-May-19	13-Jun-19 15-Jun-19	6.99	-	7.5
140	R-44	MR-2000 MR-2001	Saptakoshi	OPC	Chisang Khola Chisang Khola	18-May-19 18-May-19	25-May-19 25-May-19	15-Jun-19 15-Jun-19	5,17	-	7.5
141	R-82	MR-2002	Saptakoshi	OPC	Chisang Khola	18-May-19	25-May-19 25-May-19	15-Jun-19	6.57		7.5
142	T3L7C	MR-2003	Saptakoshi	OPC	Chisang Khola	19-May-19	26-May-19	16-Jun-19	6.57		7.5
143	R-7	MR-2004	Saptakoshi	OPC	Chisang Khola	19-May-19	26-May-19	16-Jun-19	6.01		7.5
144	R-19	MR-2005	Saptakoshi	OPC	Chisang Khola	19-May-19	26-May-19	16-Jun-19	6.29		7.5
145	R-83	MR-2006	Saptakoshi	OPC	Chisang Khola	19-May-19	26-May-19	16-Jun-19	6.71		7.5
146	T3L6 R-44	MR-2007 MR-2008	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	19-May-19 21-May-19	26-May-19 28-May-19	16-Jun-19	6.57		7.5
147	R-7	MR-2008	Saptakoshi	OPC	Chisang Khola	21-May-19 21-May-19	28-May-19 28-May-19	18-Jun-19 18-Jun-19	6.71	-	7.5
149	T3L T LINE	MR-2010	Saptakoshi	OPC	Chisang Khola	21-May-19	28-May-19	18-Jun-19	6.71		7.5
150	R-9	MR-2011	Saptakoshi	OPC	Chisang Khola	21-May-19	28-May-19	18-Jun-19	5.59		7.5
151	T2L19Y	MR-2012	Saptakoshi	OPC	Chisang Khola	22-May-19	29-May-19	19-Jun-19	6,57		7.5
152	R-46	MR-2013	Saptakoshi	OPC	Chisang Khola	22-May-19	29-May-19	19-Jun-19	6,99		7.5
153	T3L10	MR-2014	Saptakoshi	OPC	Chisang Khola	22-May-19	29-May-19	19-Jun-19	6.43		7.5
154	R-83 R-9	MR-2015	Saptakoshi	OPC	Chisang Khola	23-May-19	30-May-19	20-Jun-19	6.01		7.5
155	R-46	MR-2016 MR-2017	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	23-May-19 23-May-19	30-May-19 30-May-19	20-Jun-19 20-Jun-19	5.31		7.5
157	R-7	MR-2018	Saptakoshi	OPC	Chisang Khola	23-May-19	30-May-19	20-Jun-19 20-Jun-19	6.15	-	7.5
158	R-19	MR-2019	Saptakoshi	OPC	Chisang Khola	24-May-19	31-May-19	21-Jun-19	5.73		7.5
159	R-83	MR-2020	Saptakoshi	OPC	Chisang Khola	24-May-19	31-May-19	21-Jun-19	6.71		7.5
160	T2L19Y	MR-2021	Saptakoshi	OPC	Chisang Khola	24-May-19	31-May-19	21-Jun-19	5.31		7.5
161	R-46	MR-2022	Saptakoshi	OPC	Chisang Khola	24-May-19	31-May-19	21-Jun-19	5.73		7.5
162	T3L T. LINE R-44	MR-2023	Saptakoshi	OPC	Chisang Khola	24-May-19	31-May-19	21-Jun-19	6.71		7.5
164	R-7	MR-2024 MR-2025	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	24-May-19 24-May-19	31-May-19 31-May-19	21-Jun-19 21-Jun-19	6.85 5.87	1	7.5
194	15-7	3444-24423	Supatroatti	one	Subsarg Knold	24-indy-19	51-iyiay-19	#1-940-19	1	-	1.5
		Contrac	tor	-			Consult	ant			
		Sale CO.T	HOMGH!	S	and the second se	NG DESIG					
			RUCTION G	VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU,							
-		and i	22000/1		.0	-	NERA	E		-	4
			1	1	1 ages	/ /	SAU	12	(C.	12
	Cost-		k		HOM	10:50	1) III)	1	Si	0
Chec	kalley		Submitte	d By	Vertfied By	0 0	RUD	PE	An	prove	d By
Engin	P		Contract M		Expert Qty Su	rveyor/CSE		100		am Le	
Benu	Shrestha		Rabindra Kr.	Thakur	H.K. Mandal/Ra	ijan Shrestha	20	15		resh Ch	
ngir	neer		Contract M	anager	Verified By Expert Qty Su H.K. Mandal/Ra	rveyor/CSE ijan Shrestha	Biretna	Suis	Te	am Le	ade



	May 1 2019	Sub-base	Remarks											BUILDING DESIGN AU FHORUPY (P) LTD IN JOINT VENTURE WITH B/N, CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHANANDU, NEPAL			
		s	CIIR9h	1000										ILBIN C	Approved By		
	4.0	. 3	hulu	1 200 C	ŝ.							- 6	4	AL WIL	Appro		
	Month	Material	ONC	C										1 (J) 81	BRIPLUS		
			MDD	~	1 1								Consultant	TOLINE	(and		
			1.000		3.37							7 4-15	Com	LTU IN			
Illratnagar Metropolitan City Contract No:- RUDP/ICII/BRT-02 Summary Sheet of Monthly Lynt Runot			Wollett		NJ 74					:		68-95 [80 88] 40 78] 40 60[20 48] 15-37		INN (P)	Verified By Verified By		
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				Sound of Sample		ictor	CTOLTD										
		- Andrew Statement Statements	Licentini m' Si	6	1	I 1							Contractor	ZHONGHENG CONSTRUCTION GROUP IN TERNA FIONAL			
			Lab,Ref no.	RUDP-SB-01	RUDP-SB-02									ZHONGHENG	ed By		
		Ī	Sn.	-	3		11	11	11						Eng		



	REGIO	B	iratnag ontract	gar Me No:- RI	VELOP tropolitat JDP/ICB/I Field Density	n City BRT-02	T PROJ	ECT	
						F	Month - Year	-	May 2019
		L	ocation	-R-44,(Г3L10E)		Type of Material		ub-Base
	Lab.Ref.no	Testine Date	Chaine		e content %		ity(gm/cc)		paction %
sn.	Lab.Kei.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density	Field Dry density,	Compac tion	Specified
1	RUDP-SB-FD-1, L/S	26-May-19	0+050	6.20	18:55	62.226	2.147	96.43	(95
2	RUDP-SB-FD-1, C/L		0+090	6.20	5.01	A.226	2.180	98.31	95
3	RUDP-SB-FD-1, R/S	26-May-19	0+150	6.20	14.65	\$.226	2.151	96.65	95
+	RUDP-SB-FD-1, L/S		0+190	6.20	(B.94	(2.226	2.170	97.47	95
5	RUDP-SB-FD-1, C/L RUDP-SB-FD-1, R/S	26-May-19 26-May-19	0+240 0+300	6.20	5.29	(2.226	2.161	97.07 97.43	95 95
					6	12.220	4,111	71.43	75
			-					P	
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1	Contrac ZHONGHENG CONSTR INTERNATIONAL ENGI	UCTION GRO			. CONSULTA	UTHORIT NCY PVT.	nsultant Y (P) LTD IN JO LTD AND PLU TD, KATHMAN	S ENGINI	EERS &
	ccked By gineer C	Submitted By ontract Manage		Verified E Export Qty H.K. man	'e X By Surveyor/CSE dal/Rajan Shr	estha	DP	Approved Team Lea Giresh Ch	nder
				Export Qty H.K. man	Surveyor/CSE dal/Rajan Shr	estha	ratnagar		



-				Monthly Test Repo	ort	Mo	nth:	-	Jay	
			Locatio	n:-N-27		Ye Typ Mate	e of	2019 Sub grade		
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	P1%	CBR%	Remark	
1	RUDP-SG-01	N-27,(0+150)	Existing Road	16-May-19	1.898	(9.90	(10.85	6.14		
1	RUDP-SG-02	N-27,(0+250)	Existing Road	16-May-19	2.070	8,80	9.01	7,62		
_										
								14		
_										
CHONG		TRUCTION GROUP		BUILDING DI VENTURE WITH ENGINEERS & AR	ESIGN AUT B.N. CONS	ULTANC	Y PVT.	LTD AN	D PLUS	
Er	ected By ngineer J Shrestha		Submitted By Contract Manager Rabindra Kr. Thakur	Uerified E Expert Qty Surve	by vor/CSE	UDP	* AIR SING	pprove Team Les Biresh Cl	A i By	



	REGIO	ONAL U	RBA	N DE	VELO	PMEN	T PRO.	ECT		
		1	Biratna	gar M	etropolita	in City		Ler		
					of Field Densi					
			Saudian	J Sheer	JI T ICIU D'CHSI		Month -	Mi	av	
						-	Year	20		
-			Loc	ation:-N	-27 re content %	Densit	ype of Material y(gm/cc)	al Sub-Grade Compaction %		
	a si anno m				C content 70	Max.Dry		Compac		
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%		density, gm/cc	Compaction %	Specified %	
1	RUDP-SG-FD-1, L/S	19-May-19	0+060	9.90	8.70	(1.898	1.839	96.88	95	
2	RUDP-SG-FD-1, R/S		0+100	9.90	8.88	1.898	1.841	97.02	95	
3	RUDP-SG-FD-1, L/S	19-May-19	0+150	9.90	8.99	(1.898	1.852	97.59	95	
4	RUDP-SG-FD-1, R/S	19-May-19	0+200	9.90	7.14	1.898	1.843	97.08	95	
5	RUDP-SG-FD-1, R/S		0+250	8.80	7.20	(2.070	2.007	96.95	95	
6	RUDP-SG-FD-1, L/S	19-May-19	0+310	8.80	7.27	(2.070	2.023	97.75	95	
		-								
	Cor	utractor Biongue	11			line	Consultant			
ZH	ONGHENG CONSTRUCT ENGINEEI	TION GROUP I RING CO. LTD		TONAL	WITH B.N. C	CONSUL/TAN	HORITY (P)A NCY PVT. LTB (P) LTB, RATI	AND PLUS EN	NGINEERS	
	Checked By Engineer		Submitted Contract Ma	anager	Verifin Expert Qty St	ed By urvevor/CSE		Approved By Team Leader		
-	Benu Shrestha		Rabindra k	Kr. Thakur	H.K. Mandal/F	ian Shrestha	a .	Giresh Chand		



Page 72 of 145

Sn.	Lab.Ref no.	Location/Chainage	Location	-R-102		Уе Тур	c of		019
-		Location/Chainage	Location			Made	erial	Sub	grade
1		and a straining of	Source of Sample	Date of Testing	MDD	OMC	PI%		Remark
_	RUDP-SG-01	R-102,(0+100)	Existing Road	14-May-19	1.985	8.20	10.27	7.24	
					1	-			
						1		-	-
-						-			
-									
-									
-									
		1						-	
-	-	Contractor		1	Co	nsulta	nt		-
	ZHONGHI INTERNATI	ENG CONSTRUCTI	ON GROUP ING CO. LTD	BUILDING JOINT VENTU LTD AND PLU LTI	RE WIT	H B.N. O NEERS	CONSU & ARC	LTAN	CY PVT
Er	ecked By ngineer J Shrestha	R	Submitted By Contract Manager abindra Kr. Thakur	Verified B Expert Qty Survey H.K. Mandal/Rajan	NG San Builting Star	JDP	A LANDING	pproved Team Lea	ıder



	REGIO				VELO etropolit:		T PRO	JECT	
					UDP/ICB				
			Summa	ary Sheet	of Field Dens	ity Test	_		
						E	Month	Ma	
			Loc	ation:-R-	102	T	Year ype of Material	20 Sub-C	
-		1			content %		y(gm/cc)	Compa	
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specified %
1	RUDP-SG-FD-1, R/S			8.20	8.79	1.985	(1.913	96.37	95
2	RUDP-SG-FD-1, C/L			8.20	8.67	1,985	1.926	97.04	95
3	RUDP-SG-FD-1, L/S			8.20	7.82	4,985	1,962	98.85	95
4	RUDP-SG-FD-1, C/L			8.20	8.24	41.985	1.934	97.43	95
5	RUDP-SG-FD-1, R/S	19-May-19	0+280	8.20	7.21	L1.985	1.915	96.49	95
-		un * Diangres			-				
-	11.00	ntractor	2				haritte		_
ZH	ONGHENG CONSTRUCT	4 1	INTERNA	TIONAL	WITH B.N. C	ONSULTAN CHITECTS	NCY PVT. LTL	TTD IN JOINT AND PLUS EN HMANDU, NEH	GINEERS &
	Checked By Engineer Benu Shrestha		Contract	tted By Manager Kr. Thakur	Verified Expert Qty Sur H.K. Mandal/R	By veyor/CSE	Biratnagat	Approved By Team Leader Giresh Chand	B



Location:-T2L19P Year 2 Sn. Lab.Ref no. Location/Chainage Source of Sample Date of Testing MDD OMC P1% CBR% 1 RUDP-SG-01 T2L19P,(0+100) Existing Road 24-May-19 1.990 7.50 10.32 6.50 1 RUDP-SG-01 T2L19P,(0+100) Existing Road 24-May-19 1.990 7.50 10.32 6.50 1 RUDP-SG-01 T2L19P,(0+100) Existing Road 24-May-19 1.990 7.50 10.32 6.50 1 RUDP-SG-01 T2L19P,(0+100) Existing Road 24-May-19 1.990 7.50 10.32 6.50 1 RUDP-SG-01 T2L19P,(0+100) Existing Road 24-May-19 1.990 7.50 10.32 6.50 1 RUDP-SG-01 RUDP-SG-01 RUDP RUDP RUDP RUDP RUDP 1 RUDP RUDP RUDP RUDP RUDP RUDP RUDP RUDP 1 RUDP RUDP RUDP RUDP RUDP RUDP RUDP RUDP 1 RUDP RUDP RUDP RUDP RUDP RUDP RUDP 1 RUDP	Month: May Year 2019 Type of Material Sub grade A Lab.Ref no. Location/Chainage Source of Sample Date of Testing MDD OMC P1% of Material Sub grade RUDP-SG-01 T2L19P,(0+100) Existing Road 24-May-19 1.990 7.50 10.32 6.50 Image: Source of Sample Date of Testing MDD OMC P1% of CBR% Remain RUDP-SG-01 T2L19P,(0+100) Existing Road 24-May-19 1.990 7.50 10.32 6.50 Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Sample Image: Source of Source o	Month: Year Type of Sn. Lab.Ref no. Location/Chainage Source of Sample Date of Testing MDD OMC PI 1 RUDP-SG-01 T2L19P,(0+100) Existing Road 24-May-19 1.990 7.50 10. 1 RUDP-SG-01 T2L19P,(0+100) Existing Road 24-May-19 1.990 7.50 10. 1 RUDP-SG-01 T2L19P,(0+100) Existing Road 24-May-19 1.990 7.50 10. 1 RUDP-SG-01 T2L19P,(0+100) Existing Road 24-May-19 1.990 7.50 10. 1 RUDP-SG-01 T2L19P,(0+100) Existing Road 24-May-19 1.990 7.50 10. 1 Income Income Income Income Income Income Income 1 Income Income Income Income Income Income Income 1	2019 Sub grade % CBR% Remark 37 6.50
Location:-T2L19P Type of Material Sub Material Sn. Lab.Ref no. Location/Chainage Source of Sample Date of Testing MDD OMC P1% CBR% 1 RUDP-SG-01 T2L19P.(0+100) Existing Road 24-May-19 1.990 7.50 10.32 6.50 -	Location:-T2L19P Type of Naterial Sub grade 1. Lab.Ref no. Location/Chainage Source of Sample Date of Testing MDD OMC P1% CBR% Remu RUDP-SG-01 T2L19P.(0+100) Existing Road 24-May-19 1.990 7.50 10.32 6.50 Image: Construction of the second sec	Image: Second State of Second	Sub grade % CBR% Remark 37 6.50
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			Summa	ry Sheet	of Field Dens	ity Test			
						-	Month Year		lay 018
			Locat	ion:-T2L			Type of Material	Sub-	Grade
				Moistur	e content %		ity(gm/cc)	Compa	action %
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density	1	Compaction %	Specified %
1	RUDP-SG-FD-1, R/S		0+020	7.50	7.06	(1/990	1.916	96.27	95
2	RUDP-SG-FD-1, R/S		0+050	7.50	6,59	(1,890	1.933	97.12	95
3	RUDP-SG-FD-1, C/L		0+080	7.50	6.16	6.990	1.924	96.67	95
4	RUDP-SG-FD-1, L/S	26-May-19	0+110	7.50	7.04	4.990	1.907	95.84	95
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_	Benu Shrestha		Rabindra k	kr. Thakur	H.K. Mandal/R	ajan Shresth	na	Giresh Chand	



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			Sourse of Sample		Chisang Khola										Contractor	ON GROUP INTER 1/TD		
		0	Location of	Sample	T3L111.(0+100)											ZHONGHENG CONSTRUCTION GROUP INT	cer rresth	
			Lah Ref no		RUDP-8-01											NGHENG	Chentae By Engineer Benu Shresth	
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			Birath	agar N	letropolita RUDP/ICB/	n City BRT-02			
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				Locati	on:-T3L11i	T	Year pe of Material		19
	1000 March 1000				re content %		(gm/cc)	Compa	ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry	Field Dry	Compaction	- A
-	RUDP-B-FD-1, R/S	28-May-19	0+050	5.75	5.92	density 2.251	density, 2.239	(99.46	% 98
2	RUDP-B-FD-1, C/L	28-May-19	0+030	5.75	5.46	2.251	2.239	699.23	98
3	RUDP-B-FD-1, L/S	28-May-19	0+140	5.75	5.27	2.251	2.241	(99.54	98
4	RUDP-B-FD-1, C/L	28-May-19	0+160	5.75	5.02	2.251	2.222	188.69	98
5	RUDP-B-FD-1, L/S	28-May-19	0+200	5.75	5.65	2.251	2.240	(99.53	98
6	RUDP-B-FD-1, R/S	28-May-19	0+250	5.75	5.89	2.251	2.242	/99.60	98
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	Benu Shrestha	Rabindra Kr	Thakur	H.K. Mano	dal/Rajan Shrest	halira	214	Giresh Chan	d
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			ummary Sheet of Mo Location:-R-46			Mor Ye Typ	ar e of	2	1ay 019 grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	Mate	PI%	CBR%	Remark
1	RUDP-SG-01	R-46 (0+260)	Existing Road	21-May-19	(1.990	(8.30	(11.10	8.00	Kemark
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	Checked By Engineer nu Shrestha	A CHI UNIT	Submitted By Contract Manager Rabindra kr. Thakur	PLUS ENG Verified By Expert Qty Surver H.K. Mandal/F	RATH	Therity In	Appro		<u></u>



					of Field Dens	[Month		lay		
			Locs	tion:-R-4	16	-	Year Type of Material		019 Grade		
			2000		e content %	Dens	ity(gm/cc)		iction %		
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dr density gm/cc		Compaction %	Specified		
1	RUDP-SG-FD-1, R/S	27-May-19	0+260	8.30	6.98	1.990	1.917	96.33	95		
2	RUDP-SG-FD-1, C/L	27-May-19	0+350	8.30	6.96	1.990	1.917	96.34	95		
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	Checked By Engineer		Submit Contract	Manager	Verified Expert Qty Su	rveyor/CSE	* Biratnagar *	Approved By Team Leader			
	Benu shrestha				H.K. Mandal	/Rajan Sh	restha	Giresh Chand			



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						Уе Тур			019
c.	Lab.Ref no.	Location/Chainage	Location:-R-44(T3L1		1	Mate	rial	Sub	grade
Sn.			Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-SG-01	R-44(T3L10E),0+100	Existing Road	6-May-19	1.987	8.40	9.68	7.10	
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	Engineer		Submitted By Contract Manager	Export Qty Su	rvevor/C	pproved Team Lea			
Bet	nu Shrestha		Rabindra Kr. Thakur	H.K. Mandal/Ra	ajan Shre	estha	G	iresh Ch	and



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		(Contract	No:- R	UDP/ICB/ of Field Densi	BRT-02			
							Month -	Ma	
			Location	-R-44.(1	C3L10E)	T	Year ype of Material	20 Sub-G	
					e content %		(gm/cc)	Compac	
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specified %
1	RUDP-SG-FD-1, L/S		0+040	8.40	7.07	1.987	1.933	97.31	95
2	RUDP-SG-FD-1, R/S		0+090	8.40	7.22	1.987	1.913	96.29	95
3	RUDP-SG-FD-1, L/S		0+120	8.40	6.62	1.987	1.910	96.14	95
4	RUDP-SG-FD-1, R/S	the second second second second second second second second second second second second second second second se	0+180	8.40	7.03	1.987	1.910	96.14	95
5	RUDP-SG-FD-1, R/S		0+220	8.40	7.93	1.987	1.930	97.13	95
6	RUDP-SG-FD-1, C/L		0+250	8.40	6.88	1.987	1.913	96.28	95
7	RUDP-SG-FD-1, L/R	6-May-19	0+300	8.40	7.24	1.987	1.930	97.14	95
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	LTP OF	Hractor	2			/	Consultant	/	
ZHO	ONGHENG CONSTRUCT	TON GROUP I	NTERNAT	TONAL	WITH B.N. C	ESIGN SUI	HORITY (P) CY PVT. LTT	ETD IN JOINT AND PLUS E HMANDU, NE	NGINEERS
	Checkin By Engineer Benu Shrestha	Cor	abmitted B stract Manag ra Kr. That	ger	Verific Export Qty St H.K. Mandal/F	ed By irveyor/CSE	Biratnaŋat k	Approved By Team Leader Giresh Chand	P .



	May 2019	Sub-base	(BP %		46.00													BUILDING DISICIN AUTHURITY (BYT UDISIGUAL VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINERIES ARCTHOLOG IS (P) LTD, KATHMANDU, NEPAL	Colu	euder Phand
			1 1 1 1 1		d.80 / 46.	-	112	2							5 330			(WITH 0, KATI	(E.H.	Approved By Town Lender Giresh Chand
	Vent	Type of Manoruol	The -		6.45		3		1	1	1				1			ILL (d) S		
			ALL D		3.33H		No.		÷							ł			SPLAS 2	A
				0.075	0.0	8.74	N 44	8.20 	in the second						4-15		Cunsultant	UNING ARCT	dan	
				1,18	10,80	18.74	17.76	16.08	-						15-37					
CIty CIty			96 (by W		-	_	_	20.20		an winner					50 85 40 75 30 60 20 45 15 37			RNGIN		Verified By Lypert CIV Surviver/CSI
Litan RARI Lost R		(2-27)	Mussid		18.25	_		36. 3K							N0-60			NAUF PULIT	12	erfied By rt CITV Surveyo mandal/Rauja
ropo DF/IG		-18 to	1000 10		18.81 0.		_	92.64				+			5 40 7			DISIO TO AN	2.	Verfied By ort City Surve
- Mei a- RU sterM		2-7.00	1/15 0V0	5 20.0	02.87 72	04 72.94	- 1	0 65 40		-		-	-		15 511-0			ILDING PVT. L	-1	
Biratnagur Metropolitan Cit Jontraet Nos-RUDP/ICR/BRT (Summary Storg of Monthly Test Report		(-: uo	Sit	63.0 37,5	100 M1.87	-	-	100 01.10	-	-	 	-			0 65-45		μ	0.0		n
	1	I meation :-R-7.(R-18 to R-27)	Date of Teating	-				22-May-19 10							Spire, Linut 1 100			VALIONAL,	<i><i>J</i>,</i>	Submitted By Contract Manager Rabindra Kr. Utukur
		A second s	Source of Sumple Day		-		-	Chisang Kitola 2									rator	ON GRUPPINTERNATIONAL		Sub/ Sub/ Contra Rabind
			-	- 2	R-7.011000	R-7,(0-200)	R-7,(0:300)	R-7.(0+400)				the second second second					Contractor	ZHONCHENG CONSTRUCTION		I
			Lab.Net no.		IN.11.111 N/B-01	10.01MP/013-02	RUINP-NB-03	KUM'913-04										ZHONGHENG	JA.	Checked By Engineer Benu Shrestha
	1]	Sn.		1	2	3	4						1						Be C
-										-		*								<u> </u>



		-		-		-	Month Year		May 2019			
		L	ocation:	-R-7,(R-	18 to R-27) e content %		ype of Material y(gm/cc)		b-Base action %			
Sn.	Lab.Ref.no	Testing Date	Chainage		Field MC%	Max.Dry density	Field Dry density,	Compac	Specified %			
1	RUDP-SB-FD-1, L/S	24-May-19	0+090	6.45	5.55	2.228	2.142	96.16	95			
2	RUDP-SB-FD-1, C/L	24-May-19	0+160	6.45	5.01	2.228	2.184	98.03	95			
3	RUDP-SB-FD-1, R/S	24-May-19	0+210	6.45	4.65	2.228	2.147	96.37	95			
4	RUDP-SB-FD-1, L/S	24-May-19	0+290	6.45	5.29	2.228	2.165	97.19	95			
5	RUDP-SB-FD-1, R/S	24-May-19	0+320	6.45	5.29	2.228	2.156	96.76	95			
6	RUDP-SB-FD-1, R/S		0+350	6.45	5.98	2.228	2.165	97.16	95			
7	RUDP-SB-FD-1, L/S	24-May-19	0+390	6.45	5.45	2.228	2.120	95.57	95			
							4					
		1										
						1						
	Contrac ZHONGHENG CONSTI INTERNATIONAL ENGI	RUCTION GRO NEERING CO.	DUP LTD	Consultant BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PHT. ATD AND PLUS ENGINEERS & ARCHITEOTS (P) LTD, KATHMANDU, NEPAL								
En		Submitted By contract Manag abindra Kr. Thak	er		by Surveyor/CSE Ial/Rajan Shre	RUI Biratt		Approved Team Lea Giresh Ch	der			
En	gineer C	ontract Manag	er	Export Qty	Surveyor/CSE	enad		Team Lea	der			

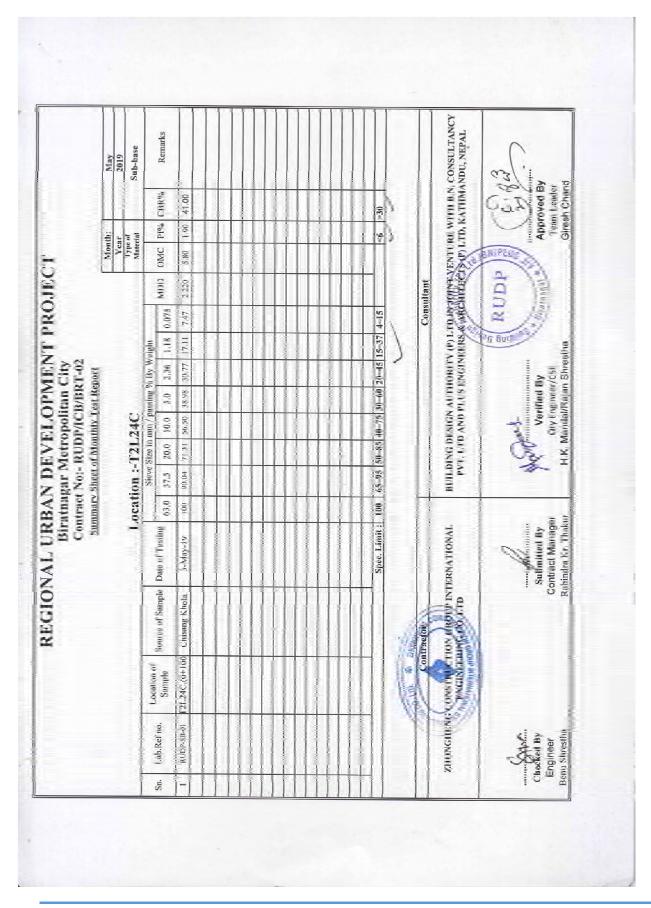


				Remarka												1	BUILDING DESIGN AUTHORITY (P) UTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD. KATHMANDU, NEPAL		n	<u>\.</u>	
May	2019	Gaso	- Martin	8	88.20									100			DING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE V B.N. CONSULTANCY PVT. LTD AND FLUS ENGINEERS & ARCHITECTS (P) LTD. KATHMANDU, NEPAL		Sug	N.C.	Train Louder Gireati Chand
Í			-	CR M	20.10							1		19	100		VEN		00	2月	Tuan
1				%	24.68		1	1	1	1		1		120	5))		OINT IS EN DU, N	1			1
		18		PU and 151 %	23.10/18.44							-		2.96			DESIGN AUTHORITY (P) LTD IN JOINT VENT ONSULTANCY PVT. LTD AND PLUS ENGINE ARCHITECTS (P) LTD. KATHMANDU, NEPAL	Ka	BNIPL	in the second	
Month	Year	Type of Material		N	32.28 23				+			1		2.48	1	Consultant	S S S S	Ĩ	Adus)		
11		54	-	1.12	NP 32				+					1		Consi		4	RU	Somman B	
	-			OWO:	5,10	V				T		T			-		(1) (1) (1) (1) (2) (1)			3	
			Į	NDD	1.253	Ì						Ī		T			UTAN UTAN	Ì			Expert Ory Surveyor/CSF I.K. Manda/Rajan Shreath
200				6.078	X VI	ų								2-10			DESIG	÷	~	A minim	Survey Market
at Ren		(Ir)	ght.	0.6	18.12	ų						1		12-28	122-20		BING I	:	S		en Ob Manda
MN.Te		SUMM21	UV Wei	2.36	28.76	λ.						T		37.54	C 0.000 h		BUILI	1		NY.	15K
Mon		ind Na	0 puising	4,75	36.23	1						T		26.55							
bott of		3.(Aro	6./ www.u	0	58.81	V								10.70			ARDR				familier 70aig
Summury Short of Monthly Test Report		Location: T3L23, (Around Nagmandly)	Sieve Size in nun / % passing ity Weight	30	73.55							T	Ħ	20-29			ENGIN		0		Contract Manager Rabindra Kr. Thakur
Sum		ion:	Sic	31.0	91.70	-						-		5-100			NAL			: 08	Rabi Rabi
		Locat		40	8	1	1		1		1	+		100 8			ATIO	1			l
			Date of	Tumna	J-May-19	0000 - 0000								Speed Limit: 100 85-100 62-02 Abr/0 26-28 31-50 12-28 2-10		01	Den Res	k			
				offinition and more	Chiung Muda									Spe		Contract	ZHONGHENG CONSTRUCTION GROUP, NOTRINATIONAL ENGINEERING				I
			Location of	Sample	13L23,(0+090)												CONSTRUCT			BV	cer estha
		111		Lab.Kcl no	RUDP-B-01												ONGHENG			Checkle	
SECO			2	X-G	-1	-	1	II	1	11	1	ł					HZ	-	Section 1		



					UDP/ICB	100 000 000			
						F	Month *	M	
		Location:	-T3L23,(/	Around N	agmandir)	1	Year Type of Material	20 Ba	
	Lab Dafaa	T. C. D.	C1 ·	Moisture	e content %	Densit	y(gm/cc)	Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density	Field Dry density,	Compaction %	Specified %
I	RUDP-B-FD-1, L/S	7-May-19	0+020	5.10	5.45	2.253	2.217	98.47	98
2	RUDP-B-FD-1, C/L	7-May-19	0+060	5.10	5.02	2.253	2.251	99.92	98
3	RUDP-B-FD-1, R/S	7-May-19	0+080	5.10	5.46	2.253	2.244	99.58	98
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	Sur A	al Er			and a state of				a sugar
	ZHONGHENG CONSTI NTERNATIONAL ENGI	RUCTION GRO	UP	BUILDIN	G DESIGN A	UTHORITA	(P) LTD IN JO	DINT VENTURI EERS & ARCH	E WITH B.N.
1	Constanting of the second	100	LID			LED, KAT	HMANDE, NE	PAL	incers(i)
_	AND THE A	017-00			1	Se DI	DPE	7 Chal)
		1		A	K I	EKU	S	6.4	5
	1000	U		that	/	Sal RU Builling + Bir	15	(n1)	
	Checked By	Submittee	1 By	Ser.	Vorified By	* Bir	atnaga		
	Engineer	Contract Ma	anager	Expert	Verified By t Qty Surveyor/	/CSE		Approved By Team Leader	
-	Benu shrestha	Rabindra Kr.	Thakur	H.K. Mar	ndal/Rajan Sh	nrestha		Giresh Chand	







-	REGIO	NAL UI	RBAN	DE	VELOP	MEN	T PROJ	ECT	
		B	iratnag	ar Me	tropolitar JDP/ICB/E	n City			
					Field Density				
			Summary	Sheet of	Field Density	lest	Month	-	May
							Year		2019
			Locati	on:-T2l			ype of Material		ub-Base
-		-		Moistur	e content %		y(gm/cc)		paction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry		Compac	Specified
1	RUDP-SB-FD-1, R/S	the second second second second second second second second second second second second second second second s	0+050	5.80	4.65	density	density,	tion	%
2	RUDP-SB-FD-1, L/S		0+030	5.80	6.54	2.220	2.157	97.18	95
3	RUDP-SB-FD-1, C/L	5-May-19	0+030	5.80	5.30		2.133	96.07	95
4	RUDP-SB-FD-1, L/S	5-May-19	0+120	5.80	5.36	2.220	2.179	98.15	95
5	RUDP-SB-FD-1, R/S		0+130	5.80	5.18	2.220	2.150	96.83	95
5	KODI-35-1-D-1, N/S	5-Way-19	0+170	5.89	5.18	2.220	2.183	97.80	95
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-	Scort Contract	LOF.	1	-		Con	sultant		
	SCO. Class	CHENC				Con	isuitant		
	ZHONGHENG CONSTR		TIP	BUILDIN	G DESIGN A	UTHORITY	(P) LTD IN JO	OINT VEN	TURE WITH
1	INTERNATIONAL ENGI	NEERING CO.	LTD	B.N	. CONSULTA	NCY PVT. I	LTD AND PLU	S ENGINE	ERS &
	OUP INTERNATIONAL EN	-			ARCHITE	TS (P) LTI), KATHMAN	DU, NEPAI	L
_	ANT ANY ANY ANY ANY ANY ANY ANY ANY ANY ANY	1851		-	-	DTH	D E	_	_
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	- the			1.			alla.	-1	
	ecked By	Submitted By			Verified By			Approved	
		ontract Manage bindra Kr. Thaku		Expor H.k. Mand	t Qty Surveyor/			Team Lead Giresh Cha	



	May	Sub-base		Remarks											BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WINH B.N. CONSULTANCY PVT. LTD AND PLAIS ENGINEERS & ARCHULECTS (P) LTD, KATHMANDU, NEPAL	Gi.
			ľ	0.13.R9%	30.60							014	Ŋ		NII II N	Approved By Team Leader
1	Vour	e i		191	2.5	1						8	1		10 M	Appro
	Months	Type of Material	č.,	ONC	6.25							11	Ľ		VENTU IS OUT	MIPULS
				NDD	2.228									ltant	UNION I	RUDP
				0.075	5.56		T					14		Consultant	ILTD IN JOIN	RUDP
_			/oldul	1.18	16.82							65-95 \$0-85 40-75 30-60 20-45 15-37 4-15			V (P) 1.	C
Contract Not: MUDP/ICB/IIRT-02 Summary Sheet of Monthly Test Report			Sieve Size in min / purshig % By Weight	3.36	28.86						Γ.ε.	20-45			IORT ENGIN	Vortfield By Vortfield By City Engineen/CSI
TS/141			Summeric	5.0	36.88							30-60			NUTA V	Vorthod By Vorthod By Giv Engineer/CSI
AP/10		-84	1 mm r	10.0	53.77							40-75			DINICI D AND	Aanda Manda
IN I		A or R	o Nixe I	80.0	69.59				:			S0-85			DUND	Car a
Contract Nos- RUDDP/ICB/IR87-0 Sommary Sheet of Monthly Test Repur-		Location :-R-84	Siov	37.5	16'68			11	i	[]		68-95			10a	
ntrae nunu		Loc		63.0	12				ł			18				. 53
5 2				Date of Tephing	S-May-10							Spee, Limit :			ERNA LIONAL	Submitted By Contract Manager Rebindra Ky. Thatsu
				Sources of Sample	Chisang Khola								Į.	Contractors	N CROUPING	8 2
			Jun	-	R-84,(01100)								Contraction of the second	Contracto	ZHONGHENG CONSTRUCTION CROUP INTERNATIONAL	
		1		Lab.Ref no.	RUDP-SB-01										AHONGHEN	Checked By Engineer Benu Shrestha
				Sn.	-			11	T							Ben Ch



	REGIO	NAL UI Bi			VELOP		Г PROJ	ЕСТ	
		C	ontract	No:- RI	JDP/ICB/I	BRT-02			
			Summary	Sheet of	Field Densit	Test			
						E	Month		May
							Year		2019
-			Loca	tion:-R	e content %		ype of Material y(gm/cc)		ub-Base
Sn.	Lab.Ref.no	Testing Date	Chainage		1	Max.Dry	Field Dry	Compac	Specified
		B Daile	chunuge	OMC%	Field MC%	density	density,	tion	%
1	RUDP-SB-FD-1, R/S	6-May-19	0+060	6.25	5.90	2.228	2.182	97.95	95
2	RUDP-SB-FD-1, L/S	6-May-19	0+090	6.25	5.42	2.228	2.165	97.16	95
3	RUDP-SB-FD-1, R/S	6-May-19	0+120	6.25	5.52	2.228	2.144	96.21	95
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_	SUCTION ONO GONTRACT	OF				Cons	sultant		
					C PROTON				
	ZHONGHENG CONSTR	UCTION GRO	UP	BUILDIN	G DESIGN A	UTHORITY NCV PVT 1	(P) LTD IN JO TD AND PLU	DINT VENT	FURE WITH
1	NTERNATIONAL ENGIN	EERING CO. I	LTD	Data	ARCHITE	TS (P):LTD	KATHMANI	OU. NEPAI	ERSA
	Olahonon * 100	.05			1	Pothour II	KATHMANI		
		/			10	1	BR	~	
					Design	DID	DE	Chi	2
	A.K	Λ		al	D Building	RUD	P	C. 60	2
	H.	that		appen of	(1)	1	15	rio	, '
he	cked By	Submitted By		Com	Verified By	# Biratnas	131 # "	Approved	By
Eng	gineer Co	ontract Manager		Export	Qty Surveyor/	CSE		Approved Team Lead	
iu S		bindra Kr. Thaku			al/Rajan Shre			Giresh Cha	



<u>May, 2019</u>

	49	96		Remarks	84.00						18		IRE WITH RS &	C. J.d.	Thind
	XeIN 2019	Basé	AIV	6.14.19	26.39 87.91						<35 ×80		INT VENTU ENGINEEI U, NEPAL	C.I.d.	Oftenh Churd
	Month Year	Type of Material		ATT POINT PARTY	Gi 100 (21/34/17 30 Z						35 35	liant	BUILDING DESIGN AUTHORITY (P) UTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	AUUR South	
	A CONTRACTOR OF	15p		514	44							Consultant	DRITY (A NOISAG BUT	
				INO CIGM	2.241 4.10		11			1			AUTH ANCY ECTS (restha
				-	3.23		11	1	+		2-10		ESIGN NSULJ NCULJ	Vorthod By	H.K. Mundal/Itajun Shreatha
Contract No: RUDP/ICB/BR1-02 Summary Sheet of Monthly Test Report				0.0	14.15						2.28		N, CO	10	Mundal
CB/B)			By Weil	2.30	25.60						21-53		BUILD	-	HK
Contract No: RUDP/ICB/BR1-02 numary Sheet of Monthly Test Ren		R-27	lu passi n	4.75	34.52						36-55				-
et No: 1 Shret a		Locations-R-27	Surve State in min / 9h passing By Weight	- 10	29,80						40-70		INCIN	Submitted By	Rabindea Kr. Thalan
Contra		Loon.I	Surve Sum	2						1	0.22-93		C ENC	S Street	bindm 1
Sun				31.5	91.84		11	11		1	85-10		IONA		R
				40	(iiii) 61					-	it:		HUNT		
			Date of) (sting	v May-19						Spec. Limite: 100 85-100 02-02 40-00 26-55 21-53 12-28	ctor	Hall	s 911	
			Comme Comme	source of sample	Chisang Khola						20	Contractor	TION CERENT		1
			Location of	Sample	R-27,(0+070)								ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINERING	By By	stha
			T als Daffars	La0 NCI 00.	RUDP-B-01								ONGHENG	CheckedBy	Benu shrestha
	1.5		2	ć	-	Í Í.	ÎÎ	11		1			ZHG		1



	REGI]	Biratna	agar M	etropolit	an City	NT PRO	JECT	
					RUDP/ICB of Field Dens		2		
			-			[Month -		ay
				Locat	ion:-R-27	-	Year Type of Material		19 ise
		-			e content %		ity(gm/cc)		ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density		Compaction	Specified %
1	RUDP-B-FD-1, L/S	12-May-19	0+040	4.80	5.71	2.244	2.224	(99.10	98
2	RUDP-B-FD-1, C/L	12-May-19	0+080	4.80	4.63	2.244	2.206	(98.30	98
2	RUDP-B-FD-1, L/S	12-May-19	0+110	4.80	5.07	2.244	2.227	699.23	98
2	RUDP-B-FD-1, R/S	12-May-19	0+140	4.80	4.42	2.244	2.227	(99.26	98
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_									
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-	co.un Contrae	tor					Consultant		
1	ZHONGHENG CONSTR INTERNATIONAL ENGI	RUCTION GRO NEERING CO.	UP LTD	BUILDIN CONSU	NG DESIGN A LTANCY PV	LTDAKA	Y (P) LTD IN JO D PLUSSENGIN THMANDE SE	PAL	E WITH B.M UTECTS (P)
	Checkar By Engineer	Submitte Contract Ma	anager		Verified By t Qty Surveyor,	Juliana	UDP Est	Approved By Team Leader	
	Benu shrestha	Rabindra Kr.	Thakur	H.K. Ma	indal/Rajan St	nrestha		Giresh Chan	



	Muy	that		Remarks						08		BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINERIS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		A star
	23 	=		CIE III. R.R. WI	A							DING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE V B.N. CONSULTANCY PVT. LTD AND PLUS ENGINETRIS & ARCHITECTS (P) LTD, KATHMANDU, NEPAI,		Approved By Team Lender
			-	22 71/2019 2516	A					s < 35		DESIGN AUTHORITY (P) LTD IN JOINT VENT ONSULTANCY PVT. LTD AND PLUS ENGINEI ARCHITECTS (P) LTD, KATHMANDU, NEPAL	A RAN	PLUS
	<u>Month</u> Year	Type of Material		20.00 22.71						80 30	Itani	D LTD I D AND CATHIM	THE C	RUDP
		U.S.D.	-	20 20	1 1 1					545	Consultant	NTV (P VT. LT VT. LT	No.	E BI
				2.256 5.70								UTHOI NCY P CTS (P)		
										Ц		IGN A SULTA		By By In Shree
-02 Keport				6 11075 54 7.51						8 2-10		C DES CONS ARC		Werfled By Verfled By Uxperi Qiy Surveyor/CSIS
Contract No. RUDP/ICB/BRT.02 numery Sheet of Monthly, Test Rep-			Weight	2.46 0.6 24.02 14.84						53 12-2		n.o.n B.N		No. 1
JDP/IC		-75	Sacone B	4.73 2 33.40 24						-55 21-				±.
Not Rt		M-:-R	1 % / mm	10 × 10 × 10 × 10 × 10 × 10 × 10 × 10 ×						. 70. 26		URBIN .		By balar
Contract Not RUDPACB/BRT-02 Summery Sheet of Monthly, Test Report		Location:-R-75	Aurice Suite in min 7% passing By Weight	12.49						2-92 -00		NON		South and South and South and South and South and South and South and South and South and South and South and South a South and South a South
() Sum		2		31.5 90.25				1		5-100 6		NALE		Suld Suld Contra Rabindr
		1	Ť	40			11		11	100 8		VATIO		1
		Î I) toto of	I May 19						Spee Linut: 100 85-100 62-92 40.70 20-55 21-53 12-28		NEERNATIONAL ENGINEERING	1al	1
			Source of Simple	Chisang kugu						ads	Contractor	ZHONGHENG CONSTRUCTION GROUP	Norma &	
			Location of	R-75.(0+100)								CONSTRUCT	5/	By
			Lab Ref no.	RUDP-B-01								DNGHENG (And the second s
-	4-13	Î	Z	1-1	111	11	ÎÌ	ÎÌ	11	111		ZHC		1



Page 93 of 145

			Summa	ry Sheet	of Field Dens	sity Test	Month		
							Year	M 20	
-		-	-		ion:-R-75 e content %	Ту	pe of Material	Ba	
Sn.	Lab.Ref.no	Testing Date	Chainage		Field MC%	Max.Dry	(gm/cc) Field Dry	Compaction	Specified
1	RUDP-B-FD-1, R/S	3-May-19	0+020			density	density,	%	%
2	RUDP-B-FD-1, C/L	3-May-19	0+020	5.70	4.52 5.01	2.256	2.233	98.99	98
3	RUDP-B-FD-1, R/S	3-May-19	0+070	5.70	4.71	2.256	2.247	99.61 99.90	98
4	RUDP-B-FD-1, C/L	3-May-19	0+090	5.70	5.23	2.256	2.234	99.90	98
5	RUDP-B-FD-1, L/S	3-May-19	0+120	5.70	4.86	2.256	2.214	98.10	98 98
-									
_	Contract	-							
IN	Conlease ZHONGHENG CONSTR STERNATIONAL ENGIN	UCTION GROUNEERING COL	IP TD	BUILDIN CONSUI	TANCY PVT	THORITY (ISULTANT P) LTD IN JO LUS ENGINI MANDU, NEI	INT VENTURE EERS & ARCHI PAL	WITH B.N. TECTS (P)
	Checkel By Engineer Benu shrestha	Subnitted Contract Mar Rabindra Kr. T	By	Expert	/erified By Qty Surveyor/G dal/Rajan Shr	SE Biratni	IDP Huss	Approved By Team Leader Giresh Chand	



				Remarks								KE S &		
	6102	Base	0.08	10	81 00					1997		NEER	C. S.	Chand
د ا	A	B		6.1K W	91.16	11	I I			0112		VT VE ENGIN	Est.	Term Lender Giresh Chand
1			ATV	0%	23.28					< 35		N JOIN		
5		tarren .			21.)8/(1)8					6.95		BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PV1, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	A A A	
Mand	Year	TATIC OF MANNUL	LAA	¥	30.20					4 7	Consultant	11 V 0	RUDP	
				814	Ż						Col	P) LTI	and another	
				OMC	4.80			11			11	V AU1 TAN CTS (SE
				ICIM	2,2481			111	11			ESIG NSUI HITE	dia	n Shre
2				0.075	\$ 80					2.10		NG D ARCI	4.14	y Nurvi ol/Baja
City (1-02 (1-02		2	11	0.0						12-28		MLDI FH B.	103	Experi Oty Nurveyor/CSE FLK, Mundul/Bajan Shresiha
Dittan CB/BF <u>IX Jes</u>		urk(/	By We	2,30	24.lhh	11				21.53		WC WC		a H
Month		adsm	in passing	4.75	12.94					26-55		9		
Biratuagar Metropolitan City Contract No: RUDP/ICB/BRT-02 mmary Sheet of Monthly Lest Rep		aniet	Sidva Sice in min / 9a passing By Weight	10	17.65					40-70		EERI	and the second s	Contract Munager Rabindra Kr. Thakur
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summury Sheet of Monthly Leal Report		ni-R	VA Steb	10	115 2.6				Tİ	2.92		Z	Submitted By	ntrinet N notes Ko
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summury Sheet of Monthly Test Report		Location:-Rani-buspark(A)	1	31.1	12.05				T	5-100		AL B	\$v;	Rebi B
<u>N</u>		Loc		07	5 001				11	100 8		NOIL		
			Dama of	Totton	P.Majurt9					Spec 1 (m)(: 100 85-100 62.92 40-70 26-55 21.64 12-28		None Contraction	A	
			10 mm		Chisanu Khola					- 2	Contract	ION GROUP		
			Location of	Sample	Rani-buspark.(0+050)							ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING	ANT.	Engineer Benu shrestha
			I als Dafas	101 1001 0001	RUDP-B-01							IONGHEN	C. C. C. C. C. C. C. C. C. C. C. C. C. C	Engl Bent s
Section 20			Na		-		11	1	T	1	ĹĹ	ZI		1



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	REGI	1	Biratna Contrac	igar M t No:- F	EVELO etropolit RUDP/ICB of Field Dens	an Cit /BRT-0	NT PRC	JECT	
							Month ~	M	
		Loc	ation:-I	Rani bu	spark (A)		Year Type of Material	20 Ba	
				Moistur	e content %	Dens	sity(gm/cc)		ction %
•	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density		Compaction %	Specified %
	RUDP-B-FD-1, R/S	3-May-19	0+020	4.80	5.79	2.248		99.18	98
1	RUDP-B-FD-1, C/L	3-May-19	0+050	4.80	5.96	2.248		98.76	98
+	RUDP-B-FD-1, R/S	3-May-19	0+070	4.80	5,38	2.248	2.207	98.18	98
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-									
t									
	Contract	and the second		-		_	Creation		_
-	Contract	181					Consultant		-
E	ZHONGHENG CONSTR TERNATIONAL ENGIN	UCTION GRO NEERING CO. 1	UP LTD	BUILDIN CONSU	G DESIGN A LTANCY PVT	LTD AN	Y (P) LTD IN JO PLUSENCIN HIMANDU, DE	DINT VENTURI EERS & ARCH PAL	E WITH B.N ITECTS (P)
	Checker By Engineer Benu shrestha	Submitted Contract Ma Rabindra Kr.	nager	Exper	Vernied By t Qty Surveyor/ ndal/Rajan Sh	Uinina .	RUDP	Approved By Team Leader Giresh Chand	



			CINN Remarks	83.111					2-80		BUILDING DEBIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH II.N. CONSULTANCY PVT, LTD AND PLUS ENGINERIS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		C.	
1	Alay 2019	Base	0.16	AE 15 82					A 08A		I VIIN	\sim	6.) B	
Ì			ATA ATA						< 35		JOIN TO NIC			
			Fi and 101	20.51/211/8					< 36		NI ON Y	LA.IBN	PLUS	
	Month Year	Fype of Material	P.FI m	39.51		1				1111	UTV (P) L	M	RUDP	
	2.	14/14	1111 122	NP (AA DA					× 48	Consultant		1	R R	
-			OMK' III	5.25 1					+		ANCV S (P) I		1 80.91	
			MDD C	1 241		1	\square		Ħ		NG DESIGN AUTHORITY (P) UTD IN JOINT VI 4. CONSULTANCY PVT, LTD AND PLUS ENGI ARCHITECTS (P) LTD, KATHMANDU, NEPAL		A & C & Strong and A	
			10.16			1		11	2-10		C DE		A Survey	
Contract No: RUDP/ICB/BRT-02 mmary Sheet of Monthly, Test Report		_							2-28		NIGH H		-6	
Contract No: RUDP/ICB/BRT-02 mmary Sheet of Monthly Test Rep		rk(B	3 By Weil	1 1 1					21.53		UNI LIM		23	
		uspa	A passing						24-55		8	2		
or RUI		aniet	C MIM III	1111					40-70		S INC		Amongo Amongo	
N 1911		M-OH	Stirve Star in mm / Supersting By Weight	N9 68			1 1		02.92		882		subhrten IX	
Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly, Test Report		Location:-Rani-buspark(B)	4 10	90.37					100 85-100 02-92 40-70 26-55 21-53 12-28 2-10	11	L EN		.0.2	
oni		Ľ		+ + + +		11	11	11			VNOL			
			Date of Testing	2-May-19					Spec. Limit :		ERNAT	+		
			Source of Simple	Chisang Khola				11	S	Contractor	LTD	10		
			Location of Sample Sou	(0+020)							ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD	Piulian	Child By (tugiteer Bow, strestha	
			Lab Ref no	RUDP-B-0							ONGHEN		Benu	
		Î	S.N	1-111	11	11	11	11	11		ZI			



			Summa	ry Sheet o	of Field Dens	ity Test	Month -	M	av
						1	Year	20	19
-		Loo	ation:-l	Kani bus	spark (B)	Dens	Type of Material ity(gm/cc)	Ba Compa	
Sn.	Lab.Ref.no	Testing Date	Chainage		Field MC%	Max.Dr density	y Field Dry	Compaction %	Specified %
1	RUDP-B-FD-1, L/S	3-May-19	0+030	5.25	5.27	2.242	2.235	99.67	98
2	RUDP-B-FD-1, C/L	3-May-19	0+060	5.25	5.99	2.242	2.202	98.20	98
3	RUDP-B-FD-1, R/S	3-May-19	0+070	5.25	5.63	2.242	2.223	99.15	98
4	RUDP-B-FD-1, L/S	3-May-19	0+120	5.25	5.58	2.242	2.220	99.03	98
	Contrac	stor					Consultant		
	ZHONGHENG CONST INTERNATIONAL ENG	RUCTION GROUND		BUILDIN CONSU	NG DESIGN A LTANCY PV	T. LTD AT	CONSULANT IV (P) LTD IN J (P) PLUS ENGIN ATHMANUG AU ATHMANUG AU RUDP	NEERS & ARCH	E WITH B. HTECTS (P
	Check By Engineer Benu shrestha	d By anager . Thakur	Expe H.K. Ma	Verified By rt Qty Surveyor andal/Rajan S	/CSE	Biratnagat	Approved B Team Leader Giresh Chan	У	



		(1)18 Remarks				BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD (KATHMANDU, NEPAL	C
May 2019	Itane	CR IN 1	81.03 K1.00	540 		NEER	Approved By Team Leader
		ALV	23.07			INT VI ENGI U, NEI	₹=0
	-		Contraction of the second seco	as Se	11	DING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD LYATHMANDU, NEPAL	IBMIPLUS JA
Month Year	Type of Material		30 m 22 (314 17		lant	OLUD OLUD	RUDP
	ad ¢j,	A. 1 42.10			Consultant		E E
<u>. </u>		ONC P				THOR CY PV (S (P) I	and Bulgins
		CICIM				N AUT	ar/C815 Shreath
. 1		No.	the second second second second second second second second second second second second second second second se		•	0.081G 0.08U ARCH	And SurveyorCSE Verified By Expert Oty SurveyorCSE H.K. Mendel/Kidion Shreatha
cuntract No: RUDP/ICB/BR 1,02 unuary Sheet of <u>Monthly</u> Test Rop		1	0.0			91NG	- Com
1CB/B		8 By Wel		21-53			H,K,
Cuntraci No: RUDP/ICB/BRT 02 Summary Sheet of Monthly Tred Roport	Location:-S13-B	Sieve Stoo in mm / % passing By Weight	<u>33.2</u> 5 	85-100 62-92 40-50 26-55 21-53 12-28			
t Noi I	-:uo	/ mm m	0.00	40-540		NEER	Subfituet By Contract Manager Rabindra Kr. Haska
untrac mary 2	ocati	10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	73.84	62-42		ENG	Subfilled By oncreat Manuag
Sum			90.83	85-100		ONAL	R O.
		40		100		ITATI	
		Date of Fourier		Spec. Limite	(o,	140	
	ļ	f Bumphu	Chisang Fluuhu	ž – – –	Contractor		*
		Source of Billinin	Chisan				
		Location of Sample	S13-B,(0+130)			ZHONGHENG: CONSTRUCTION CONTROL ENGINEERING	By er stha
		Lab.Ref no.	RUDP-B-01			ONGHENG	Checked By Engineer Benu shrestha
	Ĩ	Z S	<u>1-11111</u>			ZHG	



					UDP/ICB				
			Cumun	ij Sacci	of Field Dells	ity rest	Month -	Ma	ıy
				Logatie	n:-S13-B	-	Year	20	
				Moistun	e content %	Density	pe of Material (gm/cc)	Ba Compac	
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	8-May-19	0+050	5.00	4.40	2.255	2.236	99.15	98
2	RUDP-B-FD-1, R/S	8-May-19	0+080	5.00	5.13	2.255	2.245	99.54	98
3	RUDP-B-FD-1, L/S	8-May-19	0+120	5.00	5.90	2.255	2.229	98.83	98
4	RUDP-B-FD-1, C/L	8-May-19	0+150	5.00	5.34	2.255	2.212	98.09	98
5	RUDP-B-FD-1, L/S	8-May-19	0+180	5.00	4.87	2.255	2.243	99.49	98
-									
_	Contrac	tor				Co	nsultant		
1	ZHONGHENG CONSTR NTERNATIONAL ENGL	RUCTION GRO NEERING CO.	UP LTD	BUILDIN CONSU	G DESIGN A LTANCY PV1	UTHORITY (P) LTD IN JO	DINT VENTURI EERS & ARCHI PAL	E WITH B.N. ITECTS (P)
	Chroced By Engineer Benu shrestha	Submitted Contract Ma Rabindra Kr.	inager	Exper	Verified By t Qty Surveyor/ ndal/Rajan Sh	CSE Biratni	IDP HUS	Approved By Team Leader Giresh Chand	



*	May 2019 Sub-base		Remarks						CONSULTANCY NDU, NEPAL	Co no
				46.00			082		CULLING CATLING	Approved By Lisen Loude
	Month: Year Type of Maturial		-				o.		TURE W	NIPLUS
	1	1	SING CITIN	5 1 9 2 2 2 2					NIVIN	
Biratnagar Metropolitan City Contract Nois RUDP/RCB/BRUT-02 Summary Sheet of Monutuls Text Report	Location :-R-27	/ punsing 24 By Weight	27.0 200-10-20 - 20 - 2.18 - 0.075	8 12 (10 79 (61 11) (65 24 (24 74 10) 71 18 10 10 10 10 10 10 10 10 10 10 10 10 10			0 05-95 50 48 40 75 30 60 20 45 15-37 4 15	Constitution	PVT. LTD AND PLUS ENGINEERS & ARCHITIC'S (P) LTD, KATHMANDU, NEPAL	IN MINISTRA
Birati Contra Summ	Ĕ		-	0la 7-May-19 100			Spec. Limit 100		ZHONGHENG CONSTRUCTION GROTH, INTERNATIONAL ENGINEERING CO. LTD	Submitted By Contract Manager Rabindra Kr. Thatur
		and the second s		Chisany, Khola				etor -	C CRONE	
		Location of	Sample	R-27.(0+080) C				Contractor	CONSTRUCTION OF	
		I als Distant	1-40,1401 110.	RUDP-SB-01					ZHONGHENG	Checked By Engineer Bonu Shrestha
		1 3	ile	-						



			Summary	Sheer or	Field Density	1051	Month		May
					1.1		Year		2019
			Loca	ation:-R			Type of Material		ub-Base
	1000				e content %		sity(gm/ec)		paction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density		Compac tion	Specified %
1	RUDP-SB-FD-1, L/S	4-May-19	0+040	6.45	5.55	2.228	2.142	96.16	95
2	RUDP-SB-FD-1, C/L	4-May-19	0+080	6.45	5.01	2.228	2.184	98.03	95
3	RUDP-SB-FD-1, R/S	4-May-19	0+100	6.45	5.23	2.228	2.135	95.84	95
						-			
-							-		
_	Contrac	tor	-			C	onsultant		
1	ZHONGHENG CONSTR INTERNATIONAL ENGL	UCTION GRO	UP LTD		. CONSULTA	NCY PVJ	TY (P) LTD IN J	S ENGINE	ERS &
	Color ecked By	Submitted By			L Verified By	A HILL	CUDP	Approved	
		ontract Manage abindra Kr. Thak	er	Export H k Mano	t Qty Surveyor, Ial/Rajan Shre	/CSE		Team Lea Giresh Ch	



	R	EGIONAL	Contract No:-	EVELOPI Metropolitan RUDP/ICB/BI of Monthly Test R	City RT-02	RОЛ	ECT			
				or soluting Test R	eport	Mo	nth:	1	May	
						Уе Тур			2019	
Sn.	Lab.Ref no.	Location/Chainage		Balaju temple to		Mate		Sut	grade	
1	RUDP-SG-01		Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark	
2	RUDP-SG-02	R-6,(0+150) R-6,(0+350)	Existing Road Existing Road	2-May-19 2-May-19	1.990	8.30	10.90	8.00		
7			Existing Road	2-iviay-19	1.982	7.50	8.12	7.89		
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		Contractor		Consultant						
ZHON	EN	TRUCTION GROUP GIVERING CO. LT	Per	BUILDING DESI WITH B.N. CONS ARCHIT	GN AUTHORITY	(P) LTD	PLUS	ENGIN	TURE EERS &	
	Ant .	N OROUP INTERNATIONAL EV	R	A. a.	C Buping	DP	BINTER C CAR	22	~	
	gineer Shrestha	Ra	Submitted By Contract Manager Ibindra kr. Thakur	Verified Expoert Qty Su H.K mandal/Raj	rveyor/CSE	A T	pprov eam Le	eader		



			Sum	mary She	et of Field De	nsity Test			
						-	Month Year	Ma 201	
		1	location:-l	R-6,(Bala	ju Temple to		ype of Material	Sub-Gi	
				Moistur	e content %	Density(gm	P	Compac	tion %
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specifi %
1	RUDP-SG-FD-1, L/S	4-May-19	0+040	8.30	6.98	1.990	1.917	96.33	95
2	RUDP-SG-FD-1, C/L	4-May-19	0+100	8.30	6.96	1.990	1.915	96.23	95
3	RUDP-SG-FD-1, R/S	4-May-19	0+180	8.30	6.61	1.990	1.910	97.01	95
4	RUDP-SG-FD-1, C/L	4-May-19	0+220	8.30	6.15	1.990	1.954	96.68	95
5	RUDP-SG-FD-1, R/S	4-May-19	0+240	8.30	6.29	1.990	1.969	97.78	95
6	RUDP-SG-FD-1, C/L	4-May-19	0+350	7.50	7.31	1.982	1.921	96.94	95
7	RUDP-SG-FD-1, L/S	4-May-19	0+320	7.50	6.70	1.982	1.937	96.84	95
8	RUDP-SG-FD-1, R/S	4-May-19	0+400	7.50	6.88	1.982	1.934	97.57	95
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ZI	IONGHENG CONSTRUCT	TION GROUP ERING UO. LT	INTERNAT	TIONAL	B.N.C	DESIGN AUTHORIT ONSULTANCY PAT ARCHITECTS (P) 14	LTD AND PL	US ENGINEEI	
	CARA	Winds, Indiana	h		2	K	JDP IIIIs	C. 2023	7
	Cherred By Engineer Benu Shrestha	Sul	mitted By ract Manager dra Kr. Thak		Export Qt	rified By y Surveyor/CSE dal/Rajan Shrestha		Approved By Team Leader Giresh Chand	

			Summary Sheet of		<u>ort</u>	Mor Ye Typ	ar	2	May 019
-		Lunin (OL.)	Locatio		-	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-82,(0+150)	Existing Road	3-May-19	1.950	(8.40	9.71	6.40	
	1								
							-		
									-
_								/	
CHON	NGHENG CONS	STRUCTION GROUP	INTERNATIONAL D	BUILDING DI VENTURE WITH ENGINEERS & AR	B.N. CONS	ULTANC	Y RVT.	LTD AN	D PLUS
	Chefred By Engineer nu Shrestha	Stationono 1/2 000.10	Submitted By Contract Manager Rabindra Kr. Thakur	Verified E Expert Qty Surve H.K. Mandal/Rajar	yor/CSE	UDP		pproved Team Leas Siresh Ch	nder



	REGIO	ONAL U	RBA	N DE	VELOI	PMEN	Γ PRO.	JECT	
					etropolita UDP/ICB/				
					of Field Densi				
							Month =	M	
			Loc	ation:-R	-82	T	Year ype of Material	20 Sub-G	
					re content %		(gm/cc)	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, 1, S	5-May-19	0+050	8.40	8.70	1.950	1.891	96.96	95
2	RUDP-SG-FD-1, K S	5-May-19	0+110	8.40	8.88	1.950	1.879	96.33	95
3	RUDP-SG-FD-1, L.S		0+170	8.40	8.99	1.950	1.906	97.72	95
4	RUDP-SG-FD-1, R/S		0+210	8.40	7.14	1.950	1.863	95.54	95
5	RUDP-SG-FD-1, R S	5-May-19	0+250	8.40	7.20	1.950	1.887	96.76	95
6	RUDP-SG-FD-1, L/S	5-May-19	0+300	8.40	7.27	1.950	1.895	97.18	95
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-	Cor	itractor					Consultant		/
ZH	ONGHENG CONSTRUCT	TON GROUP I RING CO. LTD	NTERNAT	IONAL	WITH B.N. C	ONSULTAN	HORITY (P) I	TD IN JOINT PAND PLUS EN	GINEERS
	Checked By Engineer Benu Shrestha		Submitted Contract Ma Rabindra T	mager	Expert Qty Su H.K. Mandal/R	ed By prveyor/CSE	RUDP Biratnagar #	Approved By Team Leader Giresh Chand	?



			Summary Sheet of Mor			Mor Ye Typ	ar	2	4ay 019
			ocation:-R-7,(PIU Fr	ront)	-	Mate		Sub	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	P1%	CBR%	Remark
1	RUDP-SG-01	R-7,(0+600)	Existing Road	1-May-19	2.010	8.35	10.06	6.96	
-									
			A						
-									
-									
ZH	ONGHENG CO	STRUCTION GROU	Consultant BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHISECTS (P) LTD, KATHMANDU, NEPAL						
	Checked By Engineer nu Shrestha		Submitted By Contract Manager Rabindra Kr. Thakur	Verifi Export Qty S H.K. Mandal/F	ed By		ait	pprove Team Le Siresh C	ader



			Summar	y Sheet o	f Field Densi	ty Test	Month	Ma	
							Year	201	
_		1	Location:	-R-7,(PI	U Front)		Type of Material	Sub-G	
				Moisture	e content %	Dens	sity(gm/cc)	Compac	tion %
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dr density gm/cc	density,	Compaction %	Specified %
1	RUDP-SG-FD-1, L/S	2-May-19	0+550	8.35	8.07	2.010	1.916	95.30	95
2	RUDP-SG-FD-1, R/S		0+580	8.35	7.99	2.010	1.947	96.84	95
3	RUDP-SG-FD-1, L/S		0+600	8.35	8.40	2.010	1.934	96.20	95
4	RUDP-SG-FD-1, R/S		0+620	8.35	7.34	2.010	1.883	95.84	95
	1001-00-10-1,100	2-Way-19	01020	0.55	1.54	2.010	1.005	95.84	
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		IS WITCHING THE							
_	Con	tractor Onal	11			1	Consultant	the second	-
ZH	ONGHENG CONSTRUCT	TON GROUP I	NTERNAT	IONAL	BUILDING I WITH B.N. C & AR	CONSULT	ANCY PVT. AT	LTD IN JOINT AND PLUS E HMANDU, NE	NGINEERS
_	Supplies .	1/2 1017.0				15	UDP	00	
		-	-				S.	, his	0
	ahast		1		1		Biratnagar *	6:0	. /
	CAN		h		di.		attight.	211	
	Cheesed By		ubmitted B		Verifi	ed By		Approved By	
	Engineer Bonu Shroetha		tract Mana		Export Qty S	urveyor/CS		Team Leader	
	Benu Shrestha	Rabind	ra Kr. Tha	kur	H.K. Mandal/	Rajan Shre	estha	Giresh Chand	



			Sheet of the	<u>Ionthly Test Report</u>		Mon	ar		May 2019
			Location:-Ra	ni,Bhattimod	e (A)	Type Mate		Sut	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
I	RUDP-SG-01	Rani,Bhattimode,(0+100)	Existing Road	4-May-19	1.986	7.40	10.24	7.36	
							-		
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		and the second							
-	/	Stor Contractor Contractor	1			sultant	-		-
ZH	ONGHENG CO	NSTRUCTION GROUP IN	TERNATIONAL	BUILDING DE VENTURE WITH E	SIGN AUT	HORITY	(P) LT PWT.	D IN JO	INT D PLUS
	1 /	NGINEERING CO. LTD		ENGINEERS & ARC	CHITECTS	(P) LTD,	RATH	MANDU	, NEPA
		Constant N Give			R	UDP	E	0	0
			Λ	1.2	Ruining	1	S	6.70	2
	alla				Bil	atnagar +		301	·
	heckly By Engineer		Submitted By Contract Manager	Verified B Expert Qty Survey	or/CSE			pproved Feam Lea	
Bei	nu Shrestha	F	Rabindra Kr. Thakur	H.K. Mandal/Rajan	Shrestha			iresh Ch	



			Summa	ry Sheet	of Field Densi	ty Test	Month -	M	
							Year	20	
1			cation:-F	Moistur	ttimode (A)		pe of Material (gm/cc)	Sub-C Compac	
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density	Field Dry density,	Compaction	Specifie %
1	RUDP-SG-FD-1, L.S	6-May-19	0+040	7.40	7.80	gm/cc 1.986	gm/cc 1.911	% 96.25	95
2	RUDP-SG-FD-1, R/S	6-May-19	0+080	7.40	7.28	1.986	1.907	96.00	95
3	RUDP-SG-FD-1, L/S		0+120	7.40	7.36	1.986	1.904	95.89	95
4	RUDP-SG-FD-1, R/S	6-May-19	0+180	7.40	6.88	1.986	1.923	96.84	95
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		ZHONGHENO					-		
	12/	tractor					Consultant	1	
ZHO	NGHENG CONSTRUCT ENGINEER	ION GROUP IN	TERNATI	IONAL	WITH B.N. CO	ONSULTANC	Y PVT. LTD	FD IN JOINT AND PLUS EN MANDU, NEP	CINEEDS
			1			0	rainagat * h	SUS	~
	Checkel By Engineer		nitted By		Verified	d By		Approved By	-
	Benu Shrestha		Kr. Thaku	ır H	Expert Qty Sur I.K. Mandal/Rj	an Shrestha		Team Leader Siresh Chand	



				Remarks					Ι				HIIIM	S	1.
	Max 2019	ltase	1	0.17	22 80.00						> >80		BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAI,	Ci	Approved By Them Lender Giresh Chand
			ATV .	_	25.73 85.92				+	$\left \right $	<35 >10		DESIGN AUTHORITY (P) LTD IN JOINT VENT ONSULTANCY PVT. LTD AND PLUS ENGINIC ARCHITECTS (P) LTD, KATHIMANDU, NEPAL	-	1928
	H			_									U JOL N	Id.IBHIPLUS	
	Manth Year	Type of Material	1	1 1 1 1 1	E1 21/11 22						- 35	ant.	D. KATRIM	RUDP	Manual Contraction
	NIN A	Type of	V V I	3	11.70				-		4	Consultant	and and and and and and and and and and	AC N	and and a
	Ш			ONC PP6	4.60 NI			++	+				Y PVT Y PVT S (P) L	C Supplies	*
			H	MDC 01	4.246 4			++	+		+		TAUT		/CSE hreatha
. 2			h	0.076	- N 				T				RSIGN NSUL RCHT	2	Variation By Variation By (1.015 Surveyor'
Biratuagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report				0.6	47			Ħ	Ì		2.28 2			1	Warfford By Varifield By H.K. Muudul/Rajan Shreatha
olitan CB/BR <u>dv Tes</u>			By Winn	2.36	10.02						1-53		UILD B		Expo H.K.N
etrop UDP/I		13-C	Diffssing.	4.75	18 4			Π	1		20-55 2				
Biratnagar Metropolitan City Comract No: RUDP/ICB/BRT-02 Summury Sheet of Monthly Test Report		Location:-S13-C	Stove Size in min / % pussing By Menglin	3	40.14			T		1	02-01		INEER		Submitted By Contract Managet Rabindra Kr., Thaku
atinat intract		catio	0.0215; 05.	20	80.64			П			26-16		ENGIP	~	subfitted By Subfitted By Costruct Manugel Sublidea Kei, Thata
Bi Co Sumi		Le	Sec	31.5	91.78		Ì	11			5-100		NAL		S Robi
				40	100				I		100 8		VATIO		1
			I half of	IV/Ming	h-May-19						Spec. Limit : 100 85-100 62-92 40-70 26-55 21-53 12-28 2.in	(or	ANTERNATIONAL ENGINEERING	À	
		NAME AND A		Source M Bulling	Chisatur Mada						<u></u>	Contractor	CON GRUIN	10 W W	
			Location of	Sample	S13-C,(0+020)								ZHONGHENG CONSTRUCTION GRADIN		A By ser estha
				Lan Kel 110	RUDP-B-01								ONGHENG		Checked By Engineer Benu shrestha
			2	6	-	11	T	11				11	ZH		ļ



	REGIO	ONAL U	Biratna	igar M	etropolit	an City	I PRO	JECI	
					of Field Dens				
						-	Month * Year	M 20	
1		-	-	Locatio	e content %		ype of Material	Ba Compa	se
Sn.	Lab.Ref.no	Testing Date	Chainage		Field MC%	Max.Dry	Field Dry	Compaction	Specified
1	RUDP-B-FD-1, L/S	11-May-19	0+020	4.60	4.78	density 2.245	density, 2.202	% 98.09	% 98
2	RUDP-B-FD-1, R/S	11-May-19	0+040	4.60	4.33	2.245	2.235	99.56	98
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	SCO. Light Act	HUNKEYSU				-	onsultant		
n	ZHONGHENG CONSTR NTERNATIONAL ENGI	RUCTION GRO NEERING CO.	UP LTD	BUILDIN CONSU	G DESIGN A LTANCY PV1	LTD, KATH	PLUS ENGIN	DINT VENTURI EERS & ARCH PAL	E WITH B.N ITECTS (P)
	Checking	Submitted Contract Ma	By		d RX Verified By t Qty Surveyor/	dumino +	ratnagar	Approved By Team Leader	
_	Benu shrestha	Rabindra Kr.		H.K. Ma	ndal/Rajan Sh	irestha		Giresh Chand	



May 2019 Cancrete Sand	- Costa (no local)	Remarks	-tally little						and the second se										-		Consultant DESIGN AUTHORITY (P. LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVJ-CERTIOND PLUS ENGINEERS & ADDITIVECTS (P. D. DECENSIONAND) MEDAL	el.	der and
20 20 20 20 20 20 20 20 20 20 20 20 20 2	The second secon	Commun.	1.57	1.21	1.47	1.10	1.40	1.01	1.54	121	1.03	1.00			122	0.98	1111	101	<3%		Consultant Consultant B.N. CONSULTANCY PVE-CONTINUE PLUS ENGINEERS & ADOUNT CONSULTANCY PVE-CONTINUE FLAS	and a	Terrin Lender Giruph Chand
		0.151.0	1.05	4,71	1.001	4.26	4.78	4.69	4.71	5.44	5.25	5,47	2.37	010	6.00	5.70	5.82	5.33	0-15	7	OF NI G	A.ISNIPLUS	
Nouth Vear Type of Material		1.100	8,43	10.42	9.80	10.44	11.69	12.35	11.45	11.93	11.47	11.54	12.24	12.44	15.68	13,80	14.07	12.93	5-70	2	Consultant	lanz	A Sectore
	the Protein in the work of the		1114	30.16	29.96	30.68	32.21	68.15	90.16	_32.70	31,94	1.90	CLUE CLUE	32.20	37.51	35.45	36.34	33.93	15-100	N	CV PV1	O BUIDUND	
	ATT AND AND		53.71	35.19	52.82	53.40	54,46	53,48	55.51	55.75	54.84	54.64	25.20	100.12	62.98	60,71	62,29	53.20	30-100	2	IGN AU		Shie that
	A VIAN ALL ALL AVAILA		81.16	77.31	74.80	74,71	75.00	75.67	77.47	77.05	77.44	77,27	70.73	13.08	88.01	86.03	86,10	83.00	60-100		NG DES	12 -	Expert Oty Surveyor/CSI H.K. Mandal/Rulin Shot tha
	A IN	-	05.31	92.77	92.77	92,97	22.72	92.62	95.01	94.84	94.99	94.72	14.24	- 64.54 	94.88	95.02	94,48	94.85	89~100		IIIIII B	Both	Skport Of L.K. Man
*			100,007	100,001	100.00	100.00	100.00	100,00	100,001	100.00	100.001	100.00	100,00	100,000	100.001	100.001	100.00	00.001	100		AL		
		Source of Sumple	Chiant Khala	Chisang Khola	Chisung Kholu	Chisana Khula	Clusses May a	Chisane Khola	Chisang Khala	Chisung Kholu	Chisney, Khola	Chisang Khola	Chisang Khola	Chisang Kuola	Chisane Kholu -	Chisang Khola	Chisang Khola	Chisang Khula	Spec. Unit :		GROUP INCRANATIONAL G CO, LTD	Safernal IV	Contract Minager Rabindra K. Thalog
	I AND DATE AND AND	Sample	Vcc1tJ	131.7	R-6 (Branch Line)	R-9	R-40	121.197	131,10	111.5	(21.19Y	R-44 (T31.9)	K-82	1.31.0(1 runk 110c)	R-7	Koshi Yard	R-19	Judi Yard			Confination LETHON GROUP IN EERING CO, LTD		
	I	D.00 (17) (18)	- 2-May-19-	3-May-19	5.May-19	- 6-May-19-		9-May-19	10-May-19	11-May-19	_12-Muy-19			15 May-19	17-May-19	18-May-19	19-May-19	20-May-19			G CONSTRUCTIÓN ENGINEERUN		i
*		Lubbler nu	RUDP-CS-331	RUDP-CS-332	RUDP-CS-333	RUDP CS-334	RUDP-C 5-335	RUDP-CS-337	RUDP-CS-338	RUDP-CS-339	RUDP-CS-340_	RUDF-CS-341	140-63-100 M	202-2-2-2101101	RUDP-CS-345	RUDP&CS-346	RUDP4CS-347	RUDP-CS-348			ZHONGHENG CONSTRUCTIÓ ENGINEERIN ENGINEERIN	D.M.	Engineer Bynu Shreithh
		÷ F		102	-	7	n. <		00	0	-	- 2	N C		1			2;			~		Fugineer Damo Sho



Monthly Progress Report

<u>May, 2019</u>

	May 2019	Concrete Sand	Remarks										HUILDING DESIGN AUTHORIEVIED.TO IN JOINT VENTURE WITH B.N. CONSULTANCY (MT. LTD MM) PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHBANDU, NEPALO	
	417	C.M.C.	Clus	Contetut%6	1.20	1.27	1.32				<3%		DING DESIGN AUTHORENY PALAD IN JOINT VENTURE V B.N. CONSULTANCY (NYT. LTD XND PLUS ENGINEERS & ARCHITECT(SJP) LTD, KATIGAANDU, NEPALD	Approved By Team Leader Circesh Chand
		aterial		0.150	5.06	5.65	5.79				0~15	-	DUN AN UN	and a
	Month Year	Type of Material	ight	0.300	13.12	15.30	15.78				570	Consultant	LTD KAT	dan
Sand			sing by we	0.600	33.67	37.59	36.39				15~100	2	CV PVT	
ty oz anerete			mm / % har	1.18	54.59 54.69	57.69	55.35				30-100		IGN AU SULTAN BULTAN	or (Shore)
Biratnagar Metropolitan City Contract Nov: RUDP/ICN/RRT-02 Sheet of Monthly Test Report of Cancrete Sand			Sieve Size in mm / % Passing by weight	2.36	85.13 83.23	84.44	83.81				60-100		NC DES N. CONS ARG	Vertical By Lepter Of Surveyor/CSE H.K. Mandat/Rajari Surveyor
fetropo RUDIVIG			Sit	4.75	95.38	94.70	94.33				89-100		10117D	Vorted Vorted
agar Nuc-				10	100.00	100.00	00'00)				100		AAL	
Birati Contr Summary Sheet of			Source of Samele		Chisang Khola	Chisana khola	Chisang khola				Spec. Limit :		UNTERNATION D	Submitted By Contract Manager Ratindra K. Thatou
00			Location of	Sunple	R-83 Madhumara Vard	131.6	V6£1EI				1	Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEELING CO. LTD	
			Distant	Tel	21-Milly-19	24-Muv-19	27-May-19					AND IN THE REAL PROPERTY OF	CONSUR	
			lah Refino	and show white	RUDP.CS-349 RUDP.CS-350								nonquen	Checked By Engineer Bonu Shweiha
				1	1.1	5	C 1	IJ					N	Chéeled Engineer Benu Shr



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May	Sub-base		Remarks						100			NUILDING DUSIGN AUTHORITY (P. LTD IN JOINT VENTUMI WITH B.N. CONSULTANCY PVT. LTD AND PLAIS ENGINEERS A ABCHTRCIS (P. LTD, KATHMANDU, NEPAL	C.
	and the second second			43,00					-30	Y		ATINC ATINC	Approved By Team Lender
ult :	i i i		6120	_	2.39				100	3		NUL WI	Appr
Month	Yype of Matorial		OMC	00.9					and the second se			VENTI	Canada and
			MUN	2 226							Consultant	JOINT MICK	RUDP
		Administration	0.075	6.82	8.59				4-15		Cons	A ABC	2 Ja
		'olgint			19.69				15-37			Y OD I	and and a second second
TIME:		96 By W	2.36		29.06				20-45			RNGIN	BV MOL
Lead Re		Massar			36.72				30-60			N AUT	Verified By Un Engineer/Csi
vinte.	-73	1 0100 1	01		56.48				5 40-75			DISIG	Varifie
Lof Mi	Location :-R-73	Sleve Size in mm / passing % By Weight	20.0		6 16				100 45-95 50-85 40-75 30-60 20-45 15-37			UNA ANA	WX X
<u>y Shee</u>	atio	Siev			86.68				6.5.0		to the second		
Summary Sheet of Monthly Test Report	I.06			100	ē			Ш				-	: . 6 4
21			Multiple joint	10-May-19	10-MAy-19				Spee, filmite :			UNATIONA	submitted By Submitted By Contract Manager Rabindra Ko. Diakur
			-	Chisnog Khola	Chisang Khola					The second	Contractor	ZHONGHENG CONSTRUCTION DROUP DEBINATIONAL	· ŏ z
		Location of	Sample	R-73,(0+100)	R-73.(0+200)					/	10 A	construct	
		NT NAME	Linb.Kaf no.	10-03-40148	20-838-100108							ZÜQNQIJENÇ	Checked By Engineer
Test of			Sit	-	7								10° 2



	REGIO	Bi	iratnag	ar Mei No:- RU	VELOP tropolitat JDP/ICB/I Field Densit	n City BRT-02	T PROJ	ECT	
							Month		May
			Loca	tion:-R	-73		Year Type of Material		2019 ub-Base
				Moistur	e content %	Dens	ity(gm/cc)		paction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr		Compac	
1	DUDD OD ED 1 D/G	10.14 10	0.010	1		density		tion	%
1	RUDP-SB-FD-1, R/S RUDP-SB-FD-1, L/S		0+040	6.00	6.18 5.81	2.226	2.164	97.19	95
3	RUDP-SB-FD-1, R/S		0+080 0+120	6.00	6.03	2.226	2.147	96.47	95
4	RUDP-SB-FD-1, L/S		0+120	6.00	5.21	2.226		97.24	95
5	RUDP-SB-FD-1, L/S	12-May-19 12-May-19	0+190	6.00	6.50	2.226	2.153	96.71	95
2	KUDF-5B-FD-1, NS	12-1viay-19	0+210	6.00	0.30	2.226	2.201	98.59	95
_						-			
			-			-			
-									
_	Contrac	tor	-			Ce	onsultant		
1	ZHONGHENG CONSTR INTERNATIONAL ENGL	NEERING CO.	DUP		. CONSULTA	NCY PVI CTS (P) IV	UDP	S ENGINE	EERS &
		Submitted By ontract Manage			Verified By t Qty Surveyor dal/Rajan Shre	/CSE	thagar * NE	Approved Team Lea Giresh Ch	nder



	2019	Sub-base	Quanto	NCI II GI NO														BUILDING DUSIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLAS UNGINEERS & ADMINISCUS (P) LTD, KATHMANDU, NEPAL	3
			CAUP.		47.00	Ì									>30			CU B.N.	Approved By Tream Lender
		rial	1 2010	0	4									1 1	(4) (4))		LTD, K	Appr
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Var	Mate	1 MAR	-	9			1						11				VENT	A ISS PLUS
			ALL NO		2 223										Ц		Consultant	Nig	RUDP
				0.008	9.51										30-60 20-45 15-37 4-15		Cor	S & AU	and and the
1			Weight	1.15	1 1611	1]]	<u>]]</u>	1]]	[]		15 15-1			ULV O	
Repurt		_	10. 10. 13.	0 1.10	16.43 07.23					1	-				60 20-			U DI OF	ed By
Sumpary Sheet of Monthly Tost Report		Location :-R-7,P1U Front	Sieve Size in min / pansing % By Weight	10,0 5,0	96 44 58	ŀ			1						0-75 30			A ND R	Vortine By Overfield By
Month		DIG	int in ave	10.07	5 1116	ł				-					50 85 40		1 40 10 10 10 10	ING DI	and the
Sumpary Sheet of Monthly Test Reput		-R-7	Sieve S	37.5	90.23			I							65-95 50 85 40-75			aurua W	
Ulary S		tion :		()3.0	100	t								11					
Sum		Loca		Date of Licennik	4-May-19										Spec. imit : 100			ERNATIONAI,	Submitted By Contract Mainager
				autor of fample	Chismy Khola												The state	v cruch INIT	
			In milmost		R-Z(PIU Front) C			1								1197	Contraction	ZHONGHENE A DNST RUTTION GROUP INTERNATIONAL	
				Lab.Ret no.	RUDP-SB-01												V	ZHONGHENG	Checked By Engineer
				Su	-	1						ļļ]]				_	15-

Monthly Progress Report

<u>May, 2019</u>

	REGIO	Bi	iratnag ontract	ar Me No:- RI	VELOP tropolitat JDP/ICB/F Field Density	n City BRT-02	' PROJ	ECT	
						E	Month		May
		· ·		D 7 (D)	TIE	-	Year		2019
-		Le	cation:-	Moistur	U Front) e content %		pe of Material (gm/cc)		ab-Base
Sn.	Lab.Ref.no	Testing Date	Chainage		Field MC%	Max.Dry density	Field Dry density,	Compac tion	Specified %
1	RUDP-SB-FD-1, L/S	4-May-19	0+040	6.40	6.85	2.223	2.163	97.30	95
2	RUDP-SB-FD-1, C/L	4-May-19	0+080	6.40	5.76	2.223	2.131	95.86	95
3	RUDP-SB-FD-1, R/S	4-May-19	0+100	6.40	6.62	2.223	2.160	97.15	95
4	RUDP-SB-FD-1, L/S	5-May-19	0+101	6.40	5.31	2.223	2.168	97.44	95
Che	Contrac ZHONGHENG CONSTI INTERNATIONAL ENGI ECRED By gineer C	RUCTION GRO	LTD	B.M.	NG DESIGN A A. CONSULTA ARCHITE	UTHORITY NCY PVT L CTS (P) LTD R R R R R		S ENGINE DU, NEPA	ERS &
		abindra Kr. Thak			dal/Rajan Shre			Giresh Ch	



May	2019	Sub-hase		Remarks											III II. DING DESIGN AUTHORITY (P. LTD-IN TORNEY ENTURI: WITH B.N. CONNULTANCY PVI, LTD AND PLUS ENGINERIOS AMECHHOLOTISCO) LITD, KATHMANDU, NEPAL	Alta
	CONTRACTOR OF A			1120 C.IIIC20	44.00			T				>30	>		ATH B.N.	Approved By Team Leader Greek Chand
Monthi	Jac.	Type of Material			2.77	86.5					131	9			N. W.	
Mo	ž	Mat	_	OMC	5.00			-							XENTI	PLOS
				(IN)	2 232									Consultant	TOUR!	RUDP
				0,075	11 02	6 (1)						4~15		Cous	THE REAL	# 131
		Such Sector	winht.	1.18		16.72						15-37			V (P) I	a loss
		A. And	N II N	3.36	24.94	24 18						20-15			10kr)	Verflad By Oty Engineer/CSI
		and the second second	MUINI	8.0	33.93	35.83						30-69			1 AUT	rified
T AND		56	1 / mm	10.0	53.61	50.35						41-75			UCSICP 0 AND	Annia
I No		-14-	Sieve Size in much punning % lip Weight	20.0	70.04	68.82						21-82			0.01	Varified By Overstand By Overstand By
CONTRACT NOT- RUDITICIS/ISIA 1-02 Summary Short of Monthly Test Report		Location :-R-29	Sieve	37,5	89,20	89,10		www.www.				02-12 20 85 40 75 30 60 20 45 15 37				M
XIIIII		Loca		63.0	001	100	T	Ī				1001		1		- 31
			and the second se		V-May-IV	7-May-19						Spec. Limit (RNATIONAL.	submitted for Submitted for Contract Manager Rabintra for Thaker
			and the second se		Chisang Khola	Chisang Khola							1/3	Chefter	ZHONGHENS CONFINCTION GROUP INTERNATIONAL	* 8 2
			-	Sample	R-29,(0+350)	R-29,(0+550)						Contraction Contraction New York	and million to a	Contractor	CONSTRUCTION CROWN	
			tink to draw		KUMPESIMU	RUISPISINI									XIIONGIIENO	
		1	e.		-	2					T	1				10 m äl



	REGIO	B	iratnag ontract	ar Mei No:- RU	VELOP tropolita JDP/ICB/I Field Densit	n City BRT-02	T PROJ	ECT	
							Month		May
			T				Year	1	2019
-		1	Loca	tion:-R	e content %	Dens	Type of Material sity(gm/cc)		ub-Base Daction %
'n.	Lab.Ref.no	Testing Date	Chainage		1	Max.Dr		Compac	Specified
		B III -	- manage	OMC%	Field MC%	density		tion	%
1	RUDP-SB-FD-1, L/S	9-May-19	0+380	5.90	5.55	2.232		96.45	95
2	RUDP-SB-FD-1, C/L	9-May-19	0+420	5.90	5.01	2.232		98.34	95
3	RUDP-SB-FD-1, R/S	9-May-19	0+450	5.90	5.23	2.232	2.146	96.14	95
4	RUDP-SB-FD-1, L/S	9-May-19	0+480	5.90	5.44	2.232	2.176	97.50	95
5	RUDP-SB-FD-1, R/S	9-May-19	0+510	5.90	5.29	2.232		97.16	95
6	RUDP-SB-FD-1, R/S	9-May-19	0+550	5.90	5.98	2.232		97.66	95
7	RUDP-SB-FD-1, L/S	9-May-19	0+580	5.90	5.40	2.232	2.155	96.55	95
8	RUDP-SB-FD-1, R/S	9-May-19	0+600	5.90	5.01	2.232	2.163	96.90	/ 95
					1		/	/	
_	Contract	tor	-	1	-	Co	onsultant	-	
Che	ZHONGHENG CONSTR NTERNATIONAL ENGIN Water Strategy Strate	NEERING CO.	r	B.N Mon Export	. CONSULTA ARCHITE	NCY PYTCTS (P) C	UDP	S ENGINE	ERS &



1	May	Sub-base		Remarks												NULLDING DESIGN AUFLIORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ABCHHEECTS (P) LTD, KATHMANDU, NEPAL	
		28	-	CINE\$6	41.20									A.		TIMN, C	Approved By
	Ξ,		12	PPM C	2.16		2.10			-			1.1			di wn TD, KA	Approv
	Month	Type of Material		OMC	6 80	1 i		T				Î	Π	1		TICO S	AND PLET
		4		CICIN	2,218 1,218									*	Hunt	OINT V	KUDP
Contract Nor- RUDP/IC38/BRT-02 Summer, Sheet of Monthly Test Romer				0.078	7.40	96.6	11.34								Consultant	IN IN JOIN	12 1225
		wk)	ight		16.15	18.71	19.06						10	100		CO CO	
103		Cho	By Wo	3.34	24.54	2A.86	30.70									NGINI	20
VIBIA') at Ren		tiva	sting 96	9.9			37.21	Ħ								AUTU 1.80.1	Verified By
VICE INCE		(Pra	nd / an	10.0	52.83	50.55	57.37	İİ				İİ	100			SICN AND I	Verified By
(CUD)		th o	Sieve Size in much passing % By Weight	20.0 10.0	68.99	67,86	72.97	İİ					20 02			INC D	Verified By
Contract Not- RUDP/IC3/3RU-02 Summer Sheet of Monthly Test Report		(Sou	Sleve 5	8.7.6	80.25		0133	I						2		9700	
tract)		R-6		63,0	1001		8								F		
ni N		Location :-R-6 (South of Prativa Chowk)		Date of 'Leating	R-Muy-19	8-May-19	8-May-19									WATTONAL	Subhitted By Contract Manager
			*	-	Chisang Khola		Chisang Khola								Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL	
			Lasudan of	Sample	R-6.(0+300)	R-6,(0+400)	R-6.(0+550)								ALVO CON	CONSTRUCTION CO	
				I als Bell no.	RUDP/SB-01	RUDP-SB-02	RUDP-SIL-03									ZHONGIENG	Checked By Engineer
			Ī	Sn.	-	2	6		ļĺ	11	11				1		¢"



	REGIO	Bi	iratnag ontract	ar Mei No:- RU	VELOP tropolitat JDP/ICB/I Field Densit	n City BRT-02	T PROJ	ECT	
			-	-		-	Month		May
		Location	-R-6 (S	outh of	Prativa Cl	howk)	Year Type of Material		2019 sub-Base
					e content %		sity(gm/cc)		paction %
Sn.	Lab.Ref.no	Testing Date		OMC%	Field MC%	Max.Dr density		Compac tion	Specified %
1	RUDP-SB-FD-1, L/S			5.80	5.85	2.218	2.171	97.89	95
2	RUDP-SB-FD-1, C/L			5.80	5.92	2.218		96.17	95
3	RUDP-SB-FD-1, R/S			5.80	5.23	2.218	2.133	96.18	95
4	RUDP-SB-FD-1, L/S		0+360	5.80	4.90	2.218	2.185	98.51	95
5	RUDP-SB-FD-1, R/S RUDP-SB-FD-1, R/S		0+400	5.80	5.32	2.218	2.168	97.73	95
7	RUDP-SB-FD-1, K/S RUDP-SB-FD-1, L/S		0+450 0+500	5.80	5.44	2.218	2.133	96.18	95
1	KODI-55-10-1, L/S	10-way-19	0+300	5.80	5.45	2.218	2.162	96.84	95
	Contract	-				Co	onsultant		
1	ZHONGHENG CONSTR NTERNATIONAL ENGI	NEERING CO.	UP LTD	BUILDIN B.N	. CONSULTA	NCY PVT CTS (P) LT	Y (P) LTD IN JC LTD AND PLU ID, KATHMAN RUDP	S ENGINI	EERS &
Eng		Submitted By ontract Manage			Verified By t Qty Surveyor, al/Rajan Shre	···· CSE		Approved Team Lea Giresh Ch	der



			REGIO	Bir Cont	BAN DEVE atnagar Metro ract No:- RUD ary Sheet Of Mor	P/ICB/BRT-02	ECT	
							Month Year	May. 2019
	Lab	-				Toronto da la casa da deservada	Type of Material	Brick
S.N.	Ref.No.	Testing Date	Location of Sample	Source of Brick	Name Of Brick	Water Absorption of Brick(%)	Strength of Brick(N/mm ²)	Remarks
1	549	3-May-19	T2L22A	Dadarbairya	ACC	14.78	14.15	
2	550	3-May-19	T3L7	Dadarbairya	ACC	15.04	13.12	
1	551	.3-May-19	T3L7	Dadarbairya	ACC	14.85	14.59	
1	552	3-May-19	R-6 (Branch Line)	Dadarbairya	ANAND	13.68	15.01	
1/2	553	4-May-19	R-110	Dadarbairya	· ACC	15.50	14.15	_
0	554	4-May-19	R-46	Dadarbairya	ACC	13.19	15.11	
7	555	4-May-19	R-9	Dadarbairya	ACC	13.54	13.12	
8	556	4-May-19	T2L19Y	Dadarbairya	ACC	14.03	14.29	-
9	557	4-May-19	R-110	Dadarbairya	ACC	13.79	13.27	
10	558	6-May-19	T1L5	Dadarbairya	ACC	15.36	14.49	
11	559	6-May-19	R-44	Dadarbairya	ACC	14.65	14.19	
12	560	6-May-19	R-82	Dadarbairya	ACC	13.99	13.83	
13	561	6-May-19	T3L (Trunk Line)	Dadarbairya	ACC	16.88	14.21	
14	562	6-May-19	T3L22A	Dadarbairya	ACC	15.34	13.42	
15	563	6-May-19	T3L22A	Dadarbairya	ACC	13.32	12.61	
16	564	7-May-19	R-7	Dadarbairya	ACC	14.82	13.79	
17	565	7-May-19	R-19	Dadarbairya	ACC	15.06	13.52	
18	566	7-May-19	R-83	Dadarbairya	ACC	13.48	14.16	
19	567	8-May-19	T3L6	Dadarbairya	ACC	12.54	13.87	
20	568	8-May-19	T3L39A	Dadarbairya	ACC	12.40	13.33	
21	569	8-May-19	T2L22A	Dadarbairya	ACC	13.25	13.79	_
22	570	8-May-19	T3L7	Dadarbairya	ACC	14.16	14.15	
23	571	10-May-19	R-6 (Branch Line)	Dadarbairya	ANAND	14.39	13.43	
24	572	10-May-19	R-6 (Branch Line	Dadarbairya	ANAND	14.51	13.44	
25	573	10-May-19	R-9	Dadarbairya	· ACC	15.21	13.82	
26	574	10-May-19	R-46	Dadarbairya	ACC	13.38	14.20	
27	575	10-May-19	R-46	Dadarbairya	ACC	14.84	13.88	
28	576	10-May-19	R-46	Dadarbairya	ACC	13.86	12.72	
29	577	12-May-19	T3L7C	Dadarbairya	ACC	14.56	14.37	
30	578	12-May-19	T2L19Y	Dadarbairya	ACC	14.50	12.74	
_			Sp. Limit			<20%	>8 to 10 N/mm	_
OT	iments:-		ontractor		-			
-			ontractor		0.000	Consultar	it.	
HOI	NGHENG C		GROUP INTERNATION	AL ENGINEERING		AUTHORITY (P) LTD IN JOINT VENTI PLUS ENGINEERS & ARCHITECTS (P)		PVT. LTD AN
ž	ecked an ngineir u shrestha	L	Sumite Contract Ma Rabindra Kr.	inager		all interest	Approved By Team Leader Giresh Chand	32



				ontract No:- I			Month Year	May
							Type of Material	2019 Brick
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)	Remarks
31	579	12-May-19	T2L19Y	Dadarbairya	ACC	14.70	15.57	
32	580	13-May-19	R-7	Dadarbairya	ACC	13.14	15.96	
33	581	13-May-19	R-110	Dadarbairya	ACC	13.64	15.27	
34 35	582	13-May-19 13-May-19	R-46	Dadarbairya	ACC	14.02	15.83	
35	583 584	13-May-19 13-May-19	R-44 R-82	Dadarbairya Dadarbairya	ACC	13.93 12.97	14.95 15.98	
37	585	15-May-19	T3L (Trunk Line)	Dadarbairya	ACC	13.29	16.36	
38	586	15-May-19	T3L (Trunk Line)	Dadarbairya	ACC	14.61	14.25	
39	587	15-May-19	R-6 ,Branch line	Dadarbairya	Aanand	12.72	15.37	
40	588	15-May-19	T3L7	Dadarbairya	ACC	15.19	14.86	
41	589	15-May-19	R-9	Dadarbairya	ACC	12.11	17.14	
42	590	15-May-19	T2L19Y	Dadarbairya	ACC	. 11.94	16.32	
43	591	15-May-19	TIL5	Dadarbairya	ACC	12.82	15.17	
44 45	592 593	15-May-19	T3L7C	Dadarbairya	ACC	12.97	16.38	
46	594	17-May-19 17-May-19	T3L22A R-110	Dadarbairya Dadarbairya	ACC ACC	15.48 16.29	15.31	
47	595	17-May-19	R-110 R-82	Dadarbairya	ACC	16.29	13.48	
48	596	17-May-19	R-44	Dadarbairya	ACC	12.46	15.05	
19	597	17-May-19	T3L (Trunk Line)	Dadarbairya	ACC	14.81	14.12	
50	598	17-May-19	R-7	Dadarbairya	ACC	12.61	14.26	
51	599 :	17-May-19	R-19	Dadarbairya	ACC	13.35	15.28	
52	600	17-May-19	R-19	Dadarbairya	ACC	14.97	14.95	
53	601	17-May-19	R-83	Dadarbairya	ACC	15.29	15.02	
4	602	17-May-19	R-83	Dadarbairya	ACC	13.71	13.89	
55 56	603 604	17-May-19 17-May-19	T3L6 T3L39A	Dadarbairya Dadarbairya	ACC	13.04	14.79	
57	605	18-May-19	R-19	Dadarbairya	ACC ACC	14.39 15.12	16.78	
58	606	18-May-19	R-7	Dadarbairya	ACC	17.04	16.01	
59	607	18-May-19	R-110	Dadarbairya	ACC	14.12 /	15.73	
50	508	18-May-19	R-110	Dadarbairya	ACC	15.17	14.67 /	140
	ments:-		Sp. Limit			<20%	>8 to 10 N/mm2	
		13/ A	omractor	•	BUILDING DE		nsultant	JRE WITH B.N.
ZHO	NGHENG	CONSTRUCTION	GROUP INTERNATION	AL ENGINEERING	CONSULTANC	Y PVT. LTD AND PL	US ENGINEERS & ARCH	HITECTS (P) LTD,
	kee By gineer brestha		Submitt Contract M Rabindra Kr	lanager	Verifi Expert Qty S H.K.Mandal/R	ed By urveyor/CSE	Approved Giresh Ch	ider



							Month Year	May 2019
_	-						Type of Material	Brick
5.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)	Remarks
61	609	18-May-19	T3L39A	Dadarbairya	ACC	15.27	13.23	
62	610	18-May-19	R-44	Dadarbairya	ACC	14.77	14,13	
63	611	19-May-19	T3L22A	Dadarbairya	ACC	13.21	14.65	
64 65	612 613,	19-May-19 19-May-19	T3L7 R-6 ,Branch line	Dadarbairya Dadarbairya	ACC	15.06	11.60	
66	614:	19-May-19	R-9	Dadarbairya	ACC	12.51 14.47	11.38	
67	615	19-May-19	R-46	Dadarbairya	ACC	15.45	12.15	
68	616	19-May-19	R-110	Dadarbairya	ACC	15.31	12.64	
69	617	19-May-19	- T2L19Y	Dadarbairya	ACC	15.24	11.88	
70	618	19-May-19	T3L10	Dadarbairya	ACC	15.63	12.04	
71	619	20-May-19	T1L5	Dadarbairya	ACC	15.64	12.82	12
72	620	20-May-19	R-44,(T3L9)	Dadarbairya	ACC	15.02	12.58	
73	621	20-May-19	R-82	Dadarbairya	ACC	14.33	12.28	
74	622 623	20-May-19	T3L (Trunk Line)	Da larbairya	ACC	14.02	14.04	
75 76	623	20-May-19 20-May-19	T3L7C R-7	Dadarbairya Dadarbairya	ACC	14.82	12.37	
77	625	20-May-19	R-19	Dadarbairya	ACC	16.82 14.58	13.61	
78	626	20-May-19	R-83	Dadarbairya	ACC	15.09	12.80	
79	627	21-May-19	T3L6	Dadarbairya	ACC	14.86	12.13	
80	628	21-May-19	T3L39A	Dadarbairya	ACC	17.10	11.87	
81	629	21-May-19	T3L22A	Dadarbairya	ACC	15.97	11.70	
82	630	21-May-19	T3L7	Dadarbairya	ACC	14.72	11.80	
83	631	21-May-19	R-6 ,Branch line	Dadarbairya	ACC	15,10	12.54	
84 85	632	21-May-19	R-9	Dadarbairya	ACC	14.31	12.09	
86	633 634	22-May-19 22-May-19	R-46 R-110	Dadarbairya	ACC	15.47	12.10	
87	635	22-May-19	T2L19Y	Dadarbairya Dadarbairya	ACC	15.04	11.74	
88	636,	22-May-19	T3L10	Dadarbairya	ACC	14.59	11.61	
89	6371	22-May-19	T1L5	DaJarbairya	ACC	15.23	11.54	
90	638	23-May-19	R-44,(T3L9)	Dadarbairya	ACC	14.92	12.30	
_			Sp. Limit			<20%	>8 to 10 N/mm	
	ments:-		Contractor			Cor	sultant	
ZHC	DNGHENG	CONSTRUCTION		LENGINEERING CO.		NCY PVT. LTD AND PL	ELED IN JOINT VENTU US ENGINEERS & ARCHI ANDU, NEPAL	
	ckat by gineer shrestha	4	N ATON HOUSE	lanager	Expert at	R	UDP 5 atnagat + 15 Approved Team Lea Giresh Ch	der



							Month Year	May 2019
_	1		1				Type of Material	Brick
5.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)	Remarks
91	639	23-May-19	R-82	Dadarbairya	ACC	14.41	11,94	
92	640	23-May-19	T3L (Trunk Line)	Dadarbairya	ACC	14.38	12.44	-
93 94	641 642	23-May-19 23-May-19	T3L7C R-7	Dadarbairya	ACC	15,39	11.87	
95	643	23-May-19	R-19	Dadarbairya Dadarbairya	ACC	14.81 15.26	12.27 11.86	
96	644	24-May-19	R-83	Dadarbairya	ACC	14.46	11.99	-
97	645	24-May-19	T3L6	Dadarbairya	ACC	14.03	11.62	
98	646	24-May-19	T3L39A	Dadarbairya	ACC	13.77	12.58	
99	647	24-May-19	T3L39A	Dadarbairya	ACC	14.12	11.80	
100	648	24-May-19	T3L22A	Dadarbairya	ACC	15.79	11.83	
101	649 650	24-May-19 24-May-19	T3L7 R-6 (Branch line)	Dadarbairya	ACC	15.28	12.20	
102	651	24-May-19 24-May-19	R-9	Dadarbairya Dadarbairya	ACC	15.78 15.34	12.15	
103	652	24-May-19 24-May-19	R-46	Dadarbairya	ACC	15.06	12,14	
105	653	25-May-19	R-110	Dadarbairya	ACC	15.38	12.28	
106	654	25-May-19	T2L19Y	Dadarbairya	ACC	13.82	11.60	
107	655	25-May-19	T3L110	Dadarbairya	ACC	14.42	11.95	
108	656	25-May-19	T1L5	Dadarbairya	ACC	14.70	12.15	-
109 110	657	25-May-19	R-44,(T3L9)	Dadarbairya	ACC	14.98	12.70	
111	658 659	25-May-19 25-May-19	R-82 T3L (Trunk Line)	Dadarbairya Dadarbairya	ACC	15.72 15.37	13.15 12.86	
112	660	25-May-19	T3L7C	Da larbairya	ACC	15.53	12.58	
113	661	25-May-19	R-7	Dadarbairya	ACC	15.60	12.70	
_						\sim		
-								
-	-							
-								
								1
			Sp. Limit			<20%	>8 to 10 N/mm3	
mme	ents:-						/	
		Co	ntractor			Cons	sultant	
	:	and to LOUTO	* ZHOMGHE			SESIGN AUTHORITY (P		
HONG	HENG CON	STRUCTION GROU	UP INTERNATIONAL EN	GINEERING CO. LTD	CONSULTAN	CY PVT. LTD AND PLO	S ENGINEERS & ARCH	ITECTS (P) LTD,
			1 21			101-	101	
		Contraction of the	4 200 1000			E R	RUDP	
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	Con F		A		4	UN	2	7/ -
	Can					and and and and and and and and and and		1-1
Chec			Submitt		Evenet Ob	fied by	Approv	
Eng			Submitt Contract M Rabindra K	Manager		/Surveyor/CSE /Rajan Shrestha	Approv Team L Giresh (eader



	May	2019 Sub-hase		Remarks					*					6		IIUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) J.TD. KATHMANDU.NEPAL	
		s	C. Lawrence	PIN URIN	(44 80					II			~30	с 1		BULDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE MITH B.N. ONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTT KATHMANDL MEPAL	Approved By
	this is	1			2	00							9			ARCIII	
	Month	Year Type of Material		}ĕ	(18.6)											NUNT AL	SHIPLUS JAP
				NIN N	2 225										tant	IORITY (P) LTD IN JOI AND PLUS ENCINEDRA KATHMANDL MEPAL	dana
			Ē	5200	20.6	565.00							4-45		Consultant	Y (P) L	Y and the second
			cight -		17.00	16.83							15-37			AND	
29 a			6 Hy W	3.96	1112	10.00							20-45			TO A V	Vorthed By div fingineer/Ch
BRT.			Paing 9	5.0	40.19	30.03							30-60			DISUG ALAO	As a Revealed By
		1	10 / WW	0.01	50.36	66.61							4075			1 DAIK	
		131	Sirve Size in mir / passing % by Weight	20.0	09 22	66.18			-	11			50-85			DON DANK	
o:- R stoll		Location :-T3L111	Sieve	3.7.5	82.08	8918							65.95 50-85 40-75 30-60 20-45 15-37 4-15				
Contract No:- RUDP/ICB/BRT-02 Summary Shoet of Monthly Test Report		ocati		(3.0	100	901						1			H		
Contra				Date of Testing.	23+Muy-19	23«May-19							Spec, Limit ; 100			INATIONAL.	Advantage Submitted By Contrast Manager
				Source of Sample	Chisang Khola	Chisang Khola									Contractor	ZHONGHENG CONSIDERATION CROOP IN TERNA TIONAL ENGINEERING CO. LTD	Ga
				Sample	T3L11 i,(0+100)	13L11 ((0+200)									Cont	G CONSIGNER ENGINEER	
				Luth Byl' no.	10-105 (GU)	RU101/511-02)) * 3 * 4			1						ZHONGHEN	Checked By Engineer
			T	Sn.	1-	101	11	Ī		11	Ī] 10

Monthly Progress Report

	REGIO	C	iratnag ontract	gar Me No:- RI	VELOP tropolita UDP/ICB/I Field Densit	n City BRT-02	T PROJ	ECT	
						-	Month		May
			Locat	ion:-T3	L11i		Year Type of Material		2019
					e content %	Dens	sity(gm/cc)		ub-Base
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC9/	Field MC%	The second second		Compac	Specified
				UNIC 70	Fleid MC%	density		tion	%
1	RUDP-SB-FD-1, L/S	24-May-19	0+020	5.80	5.90	2.225	2.182	98.08	95
2	RUDP-SB-FD-1, C/L	24-May-19	0+050	5.80	5.42	2.225	2.165	97.29	95
3	RUDP-SB-FD-1, R/S	24-May-19	0+090	5.80	5.52	2.225	2.144	96.34	95
4	RUDP-SB-FD-1, L/S	24-May-19	0+150	5.80	5.21	2.225	2.150	96.63	95
5	RUDP-SB-FD-1, R/S	24-May-19	0+170	5.80	6.50	2.225	2.198	98.78	95
6	RUDP-SB-FD-1, R/S	24-May-19	0+190	5.80	5.98	2.225	2.165	97.30	95
7	RUDP-SB-FD-1, L/S	24-May-19	0+200	5.80	5.40	2.225	2.145	96.12	95
-									
-									
-	Contracto	or '				Co	nsultant		
In Chec Engi	ineer Cor	EERING CO. I	JTD	B.N.	ARCHITEC	NCY PVT. TS (P) LT Builling + Bi	Y (P) LTD IN JO LTD AND PLUS D, KATHMAND JDP	ENGINE	ERS &



	May 2019	20 mm Agg	Walks Ramarks								0				~					*					BUILDING DEBIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P)		2	Approved By Team Lender Unredi Chant
		8	A.1 V %	21.35	21.86	22.51	18 44	22 22	18.87	20.21	20.09	20.52	21.75	21.15	20.25	+	-	15.61	19.05	19.78	21.63	1. 25	V		AENTO			1 83
	th tr	Interial	Fland III %	19.03/17.92	19.02/17.43	18.51/17/23	17.99/15.44	66 81/80 61	18,45/17,45	18.61/16.09	17,99/15,65	19,59/16.60	19.44/18.57	23.01/21.00	21.02/06/12	21.31/20.32	21.46/20.48	20.26/18.73	20.22/19.60	20.21/18.87	20.85/19/47				IN JOINT N	LTD. KATHINVINDS, NUPAL	NIPLOS	and a
	Month Year	Type of Material	1A.A.%	30.96	30.20	28.60	30.58	20.02	29.58	30.66	30.12	30.70	30.02	30.06	30.44	67.0c	30.02	28.26	31.78	28.06	30,78	<35/		Consultant	(PLUS E	(INVINI)	RUDP	and the second second
				2.43	1.90	1/21	2.06	9.18	110	2.16	1.81	1.40	3.00	3.28	3.75	3.61	3.04	2.69	3.67	3.27	3.58	1-5-1	>		IORITY ID AND	D. KAU	2	JE -
City 1.02 of 20mm Ag			Sleve Size in mm / % Passing by weight	5.09	5,14	6,16	6.90	20.07	6.92	7.53	7.58	7.24	7.96	8.54	0.64	000	9.71	0.80	9.79	10.81	9,85	0-25	>	· · · · · · ·	SIGN AUTH	14		By york: 34, m storatio
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Sheet of Monthly Test Report of 24			nun / % Pi	39.18	14.98	15.68	15.95	00.01	16.83	17.57	16.67	17.18	20.71	2012 2012 2017	23.85	10 22	23.01	23.15	22.03	23.25	27.19	0.40			NING DE	C	20	Experied By Experiedly Marveyof(C.91, E.K. Mandat/Rajan Storight
Metro RUDP - RUDP			we Size in	95.31	94,70	94.92	94.84	94.72	94.65	94.23	93.57	94.22	90.25	93.03	11.89 65 65	01.10	12.86	92.89	93.70	94,00	94.38	83-100		and the second second	BUILD		- MA	Rapping C
inagar ract No: Lof Mon			Sie	100,00	100,00	100.00	100,00	100.00	100.00	100.00	100.00	100,00	100,00	100.00	100,00	100.00	100.00	100,00	100.00	100.00	100,00	100			AL.			Dy Ager hakur
Biratnagar Metropolitan City Contract No RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report of 20mm Age.			Source of Bample	Chisano Khola	Chisang Khola	Chisang Khola	Chisung Kholu	Chinese Phyle	Chisana Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Muola Chisano Khola	Chisane Khola	Chisang Khola	Chisung Khola	Chisang Khola	Chisang Khola	Spice, Limit :			ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL		Y	Submitted By Contract Manager Rabindra K. Thakur
			Lucation of	T31.22A	131.7	R-6 (Brunch Line)	Madhumara Yard	16-V D 46	R-110	Madhumara Yard	121.197	131.10		R.44 (T31.9)	R-82	TU COMPANY	13170	R=7	R-19	Judi Yard	R-83			Contractor	TION CROUP	INGINERING CO. LTD		
			Date of Tusting	3-Mate-19	4-May-19	5-May-19	6-May-19	V-May-19	9-Mav-19	10-Mav-19	11-May-19	12=Muy=19	13-May-19	14-May-19	15-May-19	15-May-19	18.Mhv-19	19-May-19	20-May-19	21-May-19	22-May-19				G CONSTRUCT	ENGIN	I	
			Lab.Matinu.	RUDP-CA-331	RUDP-CA-332	RUDP-CA-333	RUDP-CA-334	RUPP-CA-35	RUDP-CA-337	RUDP-CA-338	RUDP-CA-339	RUDP-CA-340	RUDP-CA-341	RUDP-CA-342	RUDP-CA-343	RUDP-CA-344	RUDP-CA-346	RUDP-CA-347	RUDP-CA-348	RUDP-CA-349	RUDP-CA-350				ZHONGHEN		STN*	Checked By Ungineer Benu Shrestha
			L. W.			~		+	00	-		01				-	+		20	61	20						i i	0.05



May	2019 20 mm Agg	Remarks							URE WITH RS &	Approved By Teem Lender
	50 W	A.I.V.W	17,05				< 25	VI.	TVENT	Approved By Team Lendor Otranh Churd
	(nicrial	Pland R1 %	20.30/19.52 20.43/16.99				< 25		BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHIFTECTS (P) LTD MAD PLUS ENGINEERS &	LIBRATUS SIL
Month	Year Type of Material	47.A.%	29.28 26.38				-35	Consultant	L LUDA	RUDP
Hiratnagar Metropolian City Contract Not- RUDP/ICII/JIRT 03 X Shiel of Monthly Test Report of 20mm Age.			3.02 3.46				0.5	11	THORI VCV PV TS (P) (- <u></u> 27
tty C20mm		Sieve Size in mm / % Passing hy weight 37.5 20 14 14 10 5	8.93 10.89				0-25		SIGN AL	Involution of the second second second second second second second second second second second second second se
Hun C CIVINET BEDOLLO		14 14 Pan	26.34 26.69				070	11	ING DE	Expert Or SurveyorCSI
RUDTA RUDTA dy Test		Size in m	93.04				85-100		BUILD	Nice of the second
Hiratnagar Metropolitan City Contract Nor- RUDF/ICH/IRT-03 Shiet of Monthly Test Report of 2(37.5	100.00				100	Ħ	4	
HI ratingfor Metropolitan City Contract Not- RUDP/ICH/BRT.05 Summary Short of Monthly Test Report of 20mm Age.		Source of Sample	Chisang Khola Chisang Khola				Spes. Limit 2		ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. L/ID	Submitted By Contract By Contract Manager Mathematics
	and the second second second	Location of Sample	13L6					Contractor	INSTRUCTION GROUP IN ENGINEERING CO. L/10	
		Date of Tenning	24-Muy-19 24-Muy-19					100	CONSTRUCT	
		S.n. Lab.Rof.no.	RUDP-CA-352						CHONCHENG	Cheer Shreeth



	May 2019		Hemarks					,					11 B.N. 1') LTD,	
	212	Strength N/mm ¹	28 UDAYS	46.66	47.06	47.88							NUL NUL	Approved By
		Strongu	i days			27.44	26.52				Ri .		UNTUR UNCUE	: < = (2)
	Month		złi uays	2-May-19	12 May 19	31-May-19	7-JUN-19 15-JUN-19						NICLAR &	A CUD
URBAN DEVELOPMENT PROJECT Biratmagar Metropolitan City Contract No:- RUDP/ICII/IRRT-02 SUMMARY SHEET OF COMINICITIST		Date of Testing	7 Days	11-Apr-19	21 Apr 19	10-May-19	25-May-19					Consultant	BUILDING DESIGN AUTHORITY (P. LTD IN JOINT VIINTURE WITH B.N. ONSULTANCY PVV. 17(1) AND PLUS ENOINEIRE & ARCHITECTS (P. LTD KATHMANDHANDAAL	AUUN
ENT PR		Data of	Casting	4. Apr-19	14 Apr 19	3-May-19	18 May 19				Ť		GN AUTHOR VILLUID AN KA	A Mandal Vision Analysis
DPIM Itan C TSB/1		inanass	(3%)			2.57	2.75			11	 8		G DESU	A Annotation Annotation Annotation
E V E L A Metropol RUDP/K		Soundnass Finanass	(10101)			2.47	1.59				- 8		CONSULT	On the
JRBAN DEVELOPMEN Biratungar Metropolitan City Contract No:- RUDP/ICIN/RT-02 SUMMARY SHEET OF CEMINIT TEST		Į	Final (min)			216.00	235.00				000- WINW		AAL.	2
		Consistancy & Setting Time	Initial(Min)			125.00	95.00 110.00						LRNATIO	(iod By Minager Go. Frakur
EGIONAL		Consistar	Normal Cons.(%) Initial(Min)			31.50	29.75 31.25			a service and service and service and service and service and service and service and service and service and s	1 	tor	CO UN	un on the second
×		- 0	Telsing Date			2-May-19	9-May-19 17-May-19				spumt	Contractor	ONSTRUCTION CROWN	
		-	Type of cement	Saptakoshi opc	Saptakoshi opć	Saptakoshi opc	Saptakoshi opc Saptakoshi opc				8010		ZHONCHENG CONSTRUCTION CROOP INTERNATIONAL	Anne
		-	Ref.no	1		1	45				Comments:		ZHON	
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ANNEX-4: SOCIAL & ENVIRONMENT SAFEGUARD

Monitoring Formats Attached – May 2019



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: May 2019

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	
2 2.1	Occupational health and safety Insurance for workers	Yes	
2.2	Personal Protective Equipment (PPE) provided to labors and is using (helmet, facemasks, muffles, gloves, boots, jacket, goggles etc.)	Daily Provided	
2.3	Public notification Safety and warning signs and informative signboards in working sites for work safety	Yes Provided	
2.4	Use of barricades, caution tape and flag	Daily Used	
3	Campsite management	DDC, Kanchanbari,	
3.1	Location	Shanti Chowk, Rani	
3.2	First aid facilities available at camp and worksites	Yes	
3.3	Drinking water supply and sanitation facilities/ pit latrines		
3.4	Waste Disposal and Management facilities	Tap water/ Hand Pump Yes	
3.5	Type of fuel used for cooking	L.P.G	
4	Spoil and Construction material Management		
4.1	Cut and fill balance maintained or not, Reuse of spoil materials	Cut & Fill balance maintained	
4.2	Use of safe spoil disposal locations	Not Applicable	TORNUS IT INVITA
4.3	Disturbance to Pedestrian and traffic movement	No any disturbance to pedestrians & traffic	



4.4	Use of private land and agreement with land owners	movement Yes	
5	Air, Noise and Water Pollution	Water sprinkled by	
5.1	Dust emission and Noise pollution sites	tanker on such sites.	-
5.2	Water quality monitoring result and locations	ok	
5.3	Block age of natural drainages ,water logging, drain water discharge into farmland/risky areas	Not Applicable	
6	Quarrying of construction materials and Plants Installment		
6.1	Quarry/borrow operation sites	Not Applicable	
6.2	Crusher plant and Asphalt plant operation restoration	Asphalt Plant	
7	Impact/Disruption of Private properties	No. 4 April 2010	
7.1	Building structures	Not Applicable	
7.2	Other utilities	Not Applicable	
8	Impact/disruption of public infrastructures		
8.1	Irrigation canal	Not Applicable	
8.2	Water supply pipe	Not Applicable	
8.3	Access road	Not Applicable	
8.4	Electric/Telephone pole	Not Applicable	
8.5	Others	Not Applicable	
9	Sites for cultural and religious values		
9.1	Cultural and religious sensitive spots (if any)	Not Applicable	
10	Forest and vegetation		
10.1	Number of trees removal	00	
10.2	No of tree plantation (Roadside)	Not Applicable	
11	Accident cases and records	No any records	
12 12.1	Employment to local people Men and women	Yes, both men and women	
12.2	Child labor (if any)	No	
13	Establishment of Safeguard desk and meeting	Yes	
14	Grievances from local people and addressed	Yes	





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

Subproject Road : -RUDP/ICB/BRT/2

Month/Year:May 2019

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

Contract Package: RUDP/ICB/BRT/2

		Co	mpliance Sta	atus	Implementing	Note of	
S.N	Key Social Issuse	Full	Partial	None	Agency	Remarks	Deadline
1	Availability of drinking water services	٧	100000				
2	Availability of toilet facility in campsite	V					
3	Legal source of fuel wood use			V			
4	Legal document of fuel wood source			V			
5	Use of safety accessories	V					
6	Availability of first aid facility	٧					
7	Basic wage rate to construction workers	V					
8	Equal wage rate to male and female workers		V				
9	Compensation of temporarily occupied land	V					
10	Compensation of temporarily occupied buildings	V					
11	Legal document of temporarily occupied assets	V					
12	Non use of child labour in construction activities	V					

Verified by:



Prepared by

Monitored by:



VORK TYPES OF WORKERS - LOCAL NON LOCAL	LABOUR DATA	ATA DU					
TYPES OF WORK TYPES OF WORKERS LOCAL	and a state of the	UK UAIA					May-19
LOCAL NON LOCAL	LABOUR						SITION
LOCAL NON LOCAL	SKILLED UNSKILLED	LED MALE	-	FEMALE JANJATI DALIT MUSLIM	DALIT MU		MADHESI BRAHMIN/CHHETRI
NON LOCAL	-	-					
Drain	12	16		9	-	10	
(Group B) INDIAN						_	
TOTAL 16	9	_			-	_	
DCAL	-	-			+	-	
N							
Drain INDIAN 5	20	25			10	15	
-	$\left \right $	-			4		
IOCAL					-	-	
2					-		
Drain INDIAN 5	16	21			5	5 11	
1	+	+			,	-	
1 101AL 21	1				-	-	
LOCAL	_				-	-	-
N	26	31		15		16	
	-	-					
TOTAL 31	1						
LOCAL	-	_			-	-	
N	30 10	22		V	10	10	
Production INDIAN	+	+			07	04	
TOTAL 32	2						
		-			-	-	-
LUCAL	00	04		0	10	00	
Judi Yard Production INDIAN	-	+		0	70	07	
TOTAL 38	80						-
-		-			-	-	
LOCAL 2	E	5			-	5	
Sewer Inlet NON LOCAL					-		
	-				-		
TOTAL 5					-		



6

	Co		IOCATION			CB	in in				T3L39A			ACCICT	13L22A			643	510				0			00	5X			30	RO	
	instruction and Co		TYPES OF WORK	-		Drain Rice	ACCU LIDIO				Drain			_	Drain			Weep hole &	pipe fitting			and a street	DIGIT NISE			DOAIN	NIMAIN			Varies at an a	Vero stone	
	Construction and Completion Of Sewerage, Drainage, Road, Footpath and Road Furniture Works (RUDP/ICB/BRT)		TYPES OF WORKERS		LOCAL	NON LOCAL	INDIAN	TOTAL	incal	NON LOCAL	INDIAN	TOTAL	LOCAL	NON LOCAL	INDIAN	TOTAL	LOCAL	NON LOCAL	INDIAN	TOTAL	LOCAL	NON LOCAL	INDIAN	TOTAL	LOCAL	NON LOCAL	INDIAN	TOTAL	LOCAL	NON LOCAL	INDIAN	TOTAL
Biratn	age, Drai		LAE	SKILLED		9		21		(11		5		21		3		7		5		19	4			20		5		
Biratnagar Metropolitant City	nage, Roa	LABOUR DATA	LABOUR	SKILLED UNSKILLED		17				0				16				4				14			16					18		
opolita	d, Footp	DATA	COMP	MALE		21				~				21				2				19			20					23		
nt City	bath and F		COMPOSITION	FEMALE																												
	Road Fur																															
	niture /			DALIT						T				11																13		
	Norks (R		ETHNIC	MUSUM		10						Π										5										
	NUDP/ICB/E		ETHNIC COMPOSITION	JANJATI DALIT MUSLIM MADHESI		11				11				10				7				14			20					10		
	SRT)	May-19	N	BRAHMIN/CHHETRI																												



-	

	Construction and		LOCATION TYPES OF WORK			87 Flactric work	-			_	T2L19Y Drain			_	ISL/ DRAIN			Date of the second seco		-		_	Manthapokh Prime	ary		_	UKAIN CISI				T3 Trunk line Drain	
	Construction and Completion Of Sewerage, Drainage, Road, Footpath and Road Furniture Works (RUDP/ICB/BRT)		K TYPES OF WORKERS		LOCAL	NON LOCAL		TOTAL	Incal	NON LOCAL	INDIAN	TOTAL	LOCAL	NON LOCAL	INDIAN	TOTAL	LOCAL	NON LOCAL	INDIAN	TOTAL	LOCAL	NON LOCAL	INDIAN	TOTAL	LOCAL	NON LOCAL	INDIAN	TOTAL	LOCAL	NON LOCAL	INDIAN	TOTAL
Regional	age, Drai		LA	SNILLEU		4		16		5		15	4			16			5	25		-0		27		5		21		+		22
Biratnagar Metropolitant City Regional Urban Development Project	nage, Roa	LABOUR DATA	LABOUR	SKILLED UNSKILLED		12				10			12						20			22				16				18		
elopment	d, Footp	DATA				16				5			16						25			27				21				22		
Project	ath and F		COMPOSITION	MALE FEMALE						10																						
	Road Fur			HAUNAL		9																10				S				5		
	niture V		-	DALIT					T				9									2				10				5		
	Jorks (R		ETHNIC	MINSOL					F	T	T						T				T				-	1					1	
	UDP/ICB/B		ETHNIC COMPOSITION	MAURESI		10				15			10						25			15				9				12		
	RT)	May-19	N																									-				



Road Furniture Works (RU)	Dilatitagar Metropolitarit City
A Road Furniture Works (R	Metrohomen
urniture Works (RU)	dill city
orks (RUDP/ICB/BRT) ETHNIC COMPOSITION USLIM MADHESI BRAHMIN/CHHETRI 12 16 16	





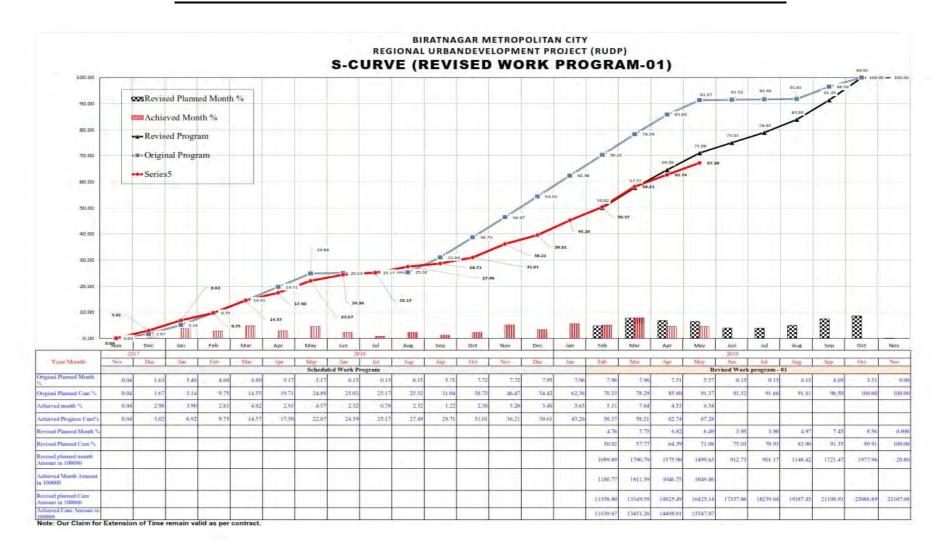
			Biratn	agar Metr	opolitant	City			
			Regional	Urban Deve	elopment P	roject			
Construction and	i Completic	n Of Sewer	age, Diai	nage, Roa	i, Footpa	th and Ro	at Function	e Works (i	NDP/ICB/BRT)
			LABO	OUR DATA					May-19
LABOUR CLASS	U	BOUR	COM	POSITION			ETHNIC CO	MPOSITION	
LADUUK (LA33	KULED	UNSTILLED	MALE	FEMALE	IANNATI	DALIT	MUSUM	MADRESI	BRASHIN/CHHETR
LOCAL	28	82	110	0	10	11	5	84	0
NON LOCAL	84	294	365	13	74	66	31	207	1
INDIAN	19	67	86	0	0	20	20	46	0
TOTAL	131	443	561	13	84	97	56	337	0



ANNEX-5: S-Curve

ATTACHED – May 2019







Annex-6: Master Plan of RUDP Project





