# 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



*February 2020* Biratnagar Metropolitan City (BMC), Nepal

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### EXECUTIVE SUMMARY

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

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

## **1. PROJECT DESCRIPTION**

#### **1.1. INTRODUCTION/BACKGROUND**

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

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

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



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

	General Features
Name of Project	Regional Urban Development Project(RUDP)
	Government of Nepal,
Executing Agency	Ministry of Urban Development
	Department of Urban Development and Building Construction (DUDBC)
Implementing Agency	Biratnagar Metropolitan City, Biratnagar
Funded By	Asian Development Bank & Government of Nepal
Package	Construction and Completion of Sewerage, Drainage, Road, Footpath and Road furniture works
Contract No.	RUDP/ICB/BRT/2
Location	Biratnagar Metropolitan City, Biratnagar
The Consultant:	
Consultant	Building Design Authority (P) LTD in Joint Venture With B.N. consultancy Pvt and PLUS Engineers and Architects (P) Ltd Kathmandu.
Date of Sign of Design and Supervision Consulting Service	28th August 2017
Date of Commencement of Design and Supervision Consulting Service	6th September 2017
Date of Completion	5th September 2020
The Contractor:	
Contractor	ZHONGHENG Construction Group International Engineering Co Ltd. Beijing, China.
Date of Agreement Made	10 <sup>th</sup> October 2017
Date of Commencement	2 <sup>nd</sup> November 2017
Date of Completion (Scheduled)	1 <sup>st</sup> November 2019
Date of Completion (after EOT-1)	18 <sup>th</sup> May 2020
Contract Amount including PS and VAT	NRs. 2,611,092,249.63



#### **Monthly Progress Report**

	General Features
Contract Amount including PS and VAT (Corrected)	NRs. 2,611,088,390.60
Contract Amount including PS and VAT (after VO-1)	NRs. 2,760,853,674.59
Additional Financing 100% funded by BMC after VO-1 (provisional items)	NRs. 39,999,893.49
Progress	wrt VO-1
Road Rehabilitation (Asphalt)	78.17%
Sewer Line	99.46%
Storm Drain	100.00%
Road Side Drain	100.00%
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.
	With respect to Revised Work Program-02 (after VO-01):
Physical Progress up to date	Planned: 85.68%, Actual: 85.22%; Lead (+) or Lag (-) by (-) 0.46% Lag.
	"Work progress is lagging due to delay in approval of Variation Order – 2".
Financial Progress up to date (on the	In Percentage: 79.23%, In Figure: NRs. $2,187,411,101.05$ (including VAT and PS) up to IPC $-15$ wrt to VO-1.
basis of IPC forwarded for disbursement)	<b>In Words:</b> NRs. Two Billion One Hundred Eighty Seven Millions Four Hundred Eleven Thousand One Hundred One and Five Paisa Only.



# 3. SUMMARY OF PROGRESS STATUS OF ALL MAJOR COMPONENTS

S. No.	Description	Unit	Quantity as per VO-1	Progress up to date	Remaining	Progress Status expressed in (%) wrt VO-1	Remarks
1	Sewer Line						
a	HDPE/RCC	m	18,559.80	18,459.80	100.00	99.46%	
b	Manhole	No.	606.00	604.00	2.00	99.67%	
c	Sewer Inlet	No.	1,010.00	548.00	462.00	54.25%	
d	House Connection	No.	3,784.00	1,853.00	1,931.00	48.96%	
2	Storm Water Drain						
a	RCC Drain	m	585.00	585.00	-	100.00%	
b	Piles	No.	138.00	138.00	-	100.00%	
3	Road						
a	Sub grade	m	66,718.00	59,695.63	7,022.37	89.47%	
b	Sub base	m	66,718.00	58,835.63	7,882.37	88.19%	
c	Base	m	66,718.00	55,056.08	11,661.92	82.52%	
d	Prime	m	66,718.00	52,151.65	14,566.35	78.17%	
e	Asphalt	m	66,718.00	52,151.65	14,566.35	78.17%	
4	Road Side Drain	m	35,424.00	35,423.82	0.18	100.00%	



#### **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 were performed, almost all the lines were completed except 100m length of secondary sewer lines of T3 east of Sanihat chowk. The SI & HCC works are in progress also the maintenance work of sewer lines, sewer inlet and house chamber connections are in progress where required as per instruction from DSC & PIU.

Details of proposed sewer lines and progress are as tabulated in Table 1 & Table 2 below: -



S. No.	Description	Unit	Quantity after VO-1	
1	Sewerage Pipe Supply and Installation	m	18,559.80	
	Reinforced Concrete Pipe laying and jointing		1,967.50	
	Line T2 (Secondary)	m	205.00	
	Line T3 (Trunk)	m	1,632.50	
	Line T4 (Trunk)	m	130.00	
	HDPE laying and jointing	m	16,592.30	
	Line T1 (Secondary)	m	1,743.20	
	Line T2 (Secondary)	m	3,153.40	
	Line T3 (Secondary)	m	9,643.80	
	Line T4 (Secondary)	m	2,051.90	
2	Manhole ( Brick / RCC)	no.	606.00	
3	Sewer Inlet	no.	1,010.00	
4	House Connection	no.	3,784.00	
5	Reinstatement of Roads	km	66.718	
6	Road side Drain	Km	35.424	
7	Storm Water Drain	m	585.00	

#### Table 1: PROPOSED ALL MAJOR COMPONENTS OF THE PROJECT



#### Table: - 2 PHYSICAL PROGRESS IN SEWER LINES till date

		Quantity as	per VO-01	Up to Pr	e Month	This	month	Total	to date	Progress
SN	Description	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	%
Hur	ne Pipe:									
1	Hume pipe (T2)	205.00	6.00	205.00	6.00			205.00	6.00	
2	Hume pipe (T3)	1,632.50	25.00	1,632.50	25.00			1,632.50	25.00	
3	Hume Pipe (T4)	130.00	4.00	130.00	4.00			130.00	4.00	
Sub	total in (m)	1,967.50	35.00	1,967.50	35.00			1,967.50	35.00	
HD	PE Pipe:	1								
1	HDPE (T1)	1,743.20	54.00	1,743.20	54.00			1,743.20	54.00	
2	HDPE (T2)	3,153.40	121.00	3,153.40	121.00			3,153.40	121.00	
3	HDPE (T3)	9,643.80	340.00	9,543.80	333.00		5.00	9,543.80	338.00	
4	HDPE (T4)	2,051.90	56.00	2,051.90	56.00			2,051.90	56.00	
Sub	total in (m)	16,592.30	571.00	16,492.30	564.00		5.00	16,492.30	569.00	
Tota	al	18,559.80	606.00	18,459.80	599.00	-	5.00	18,459.80	604.00	99.46%



SN	Description	Quantity as per VO-01 (Nos.)	Up to Pre Month	This month	Total to date	Progress %
1	Sewer inlet	1,010.00	633.00	(85.00)	548.00	54.25
2	House connection	3,784.00	1,705.00	148.00	1,853.00	48.96



#### 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 proceeding soon. The detail of the progress is shown in the table 3:

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

#### Table: 3 PROPOSED and PHYSICAL PROGRESS in STORM WATER DRAINS till date.

### 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 66.718 km as per VO-01. Some of the roads of the project has been completed and some of them are in the process of being upgraded.

Out of 66.718 km. about 58.83 Km. has been attempted for Sub Base. About 52.15 km. Asphalt work is completed. The summary of physical progress of flexible pavement, rigid pavement and footpaths are tabulated in Table 4, 4.1 & 4.2 below: -



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

	Road Number		Length in m								
SN			Progress			Sub-base	Base	Asphalt	RCC	Paint	arks
211		Name of Road	Previous	This Month	Total	m	m	m	m	m	Remarks
1	R42	Bhagwati Marg	229.00		229.00	229.00	229.00	229.00			
2	R5	College Road	650.00		650.00	650.00	544.50	544.50			
3	R5	Chulachuli Road	196.00		196.00	196.00	196.00	196.00			
4	R5		191.60		191.60	191.60	191.60	191.60			
5	B2	Gauri Shankar Marg	2,152.00		2,152.00	2,152.00	2,152.00	2,152.00	210.00		
6	R65	Satghumti Marg	320.00		320.00	320.00	320.00				
7	R107		215.00		215.00	215.00	215.00	174.00			
8	R107 a		50.00		50.00	50.00	49.00	49.00			
9	R104	VIP Marg	281.15		281.15	281.15	281.15	281.15			
10	R8	Madhumara Marg	553.05		553.05	553.05	553.05	553.05			
11	B1	Kanchan Marg	1,173.00		1,173.00	1,173.00	1,106.00	1,106.00		1,106.00	
12	R21	Pratibha Marg	1,367.10		1,367.10	1,367.10	1,367.10	1,367.10		1,012.80	
13	B3	Keshaliya Marg	1,627.75		1,627.75	1,627.75	1,627.75	1,627.75			



	Road Number	N AD I	Length in m			Work Completed					
SN			Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
DIN		Name of Road	Previous	This Month	Total	m	m	m	m	m	Remarks
14	S13		1,687.30		1,687.30	1,687.30	1,687.30	1,687.30		1,812.60	
15	R12		880.00	250.00	1,130.00	1,130.00	1,130.00	990.00			
16	R12	Kanchha Dai Marg	900.00		900.00	900.00	900.00	289.50			
17	Rani site	Rani	3,295.60	260.00	3,555.60	3,555.60	3,555.60	3,295.60			
18	R16	Satya Marg	604.00		604.00	604.00	604.00	554.90			
19	R26	Pasang Marg	598.00	315.00	913.00	913.00	913.00	913.00			
20	R28	Pustakalaya Marg	635.00		635.00	635.00	621.20	539.20			
21	R27	Peepal Marg	601.60	185.00	786.60	786.60	786.60	786.60		639.20	
22	R25	Devi Marg	580.00		580.00	580.00	580.00	566.80			
23	R24	Prabhat Marg	518.15		518.15	518.15	518.15	518.15			
24	R37	Banglamukhi Marg	477.00		477.00	477.00	477.00	477.00			
25	R7	Manakamana Marg	542.00		542.00	542.00	542.00	542.00			
26	R7	in between R18 to R27	400.00		400.00	400.00	400.00	400.00			
27	R30	Shanti Marg	229.50		229.50	229.50	229.50	229.50			



			I	Length in n	n		Work Comp	oleted			
SN	Road		Progress			Sub-base	Base	Asphalt	RCC	Paint	arks
SIN	Number	Name of Road	Previous	This Month	Total	m	m	m	m	m	Remarks
28	R9	Fadindra Marg	119.00		119.00	119.00	119.00	119.00			
29	R9		230.00		230.00	230.00	230.00	140.00			
30	S11	Samrat Marg	660.00		660.00	660.00	504.60	504.60		504.60	
31	R22	Amar Marga	367.65		367.65	367.65	367.65	367.65			
32	R29	Shanti Marg	838.70		838.70	838.70	838.70	838.70		585.60	
33	R36	Gaurav Marg	222.00		222.00	222.00	222.00	222.00		440.00	
34	R33	Tarun Marg	283.00		283.00	283.00	283.00	283.00			
35	R64	Satya Narayan Marg	121.00		121.00	121.00	121.00	-			
36	R8		225.00		225.00	225.00	225.00	225.00			
37	N36		190.00		190.00	190.00	186.95	186.95			
38	R188	Shakti Marg	116.00		116.00	116.00	116.00	116.00			
39	R2	Main Road	3,120.00	131.70	3,251.70	3,251.70	3,251.70	3,251.70		350.00	
40	T3 Line 6A	Pandit Meghnath Marg	279.00		279.00	279.00	279.00	279.00			
41	T2 Line 24C	Nava Jyoti Marg	205.00		205.00	205.00					



			I	length in n	ı		Work Comp	leted			
SN	Road	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
SIN	Number	Name of Koad	Previous	This Month	Total	m	m	m	m	m	Remarks
42	T2 Line 24D	Nava Jyoti Marg	210.00		210.00	210.00					
43	R63 (DSP Road)	DSP Road	424.24		424.24	424.24	424.24	424.24			
44	R90	Shakti Marg	450.00		450.00	450.00	450.00	450.00		640.00	
45	R77	Arniko Marg	87.20		87.20	87.20	87.20	87.20			
46	R76	Mitra Marg	270.00		270.00	270.00	270.00	270.00		541.20	
47	R183	Nava Jyoti Marg	240.00		240.00	240.00	220.00	220.00			
48	T1 L16B	Xenial Front	210.00		210.00	210.00	205.00	205.00			
49	T1L16A	Xenial South	180.00		180.00	180.00	180.00	180.00			
50	R114	Dharanidhar Marg	560.00		560.00	560.00	560.00	560.00		560.00	
51	R113	Kavi Lekh Marg	740.00		740.00	740.00	740.00	740.00			
52	R5a		54.70		54.70	54.70	54.70	54.70			
53	R3	Dharamban Marg	2,383.00		2,383.00	2,383.00	2,383.00	2,383.00		2,080.30	
53.a	R3 - Tinpain telecom	i towards North and		220.00	220.00	220.00	220.00	198.00			
54	R3 - under STIUEIP	Tinpaini to Puspalal chowk	-		-	-				4,000.00	



			I	Length in n	n		Work Comp	oleted			
CN	Road	Norra (Dool	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
SN	Number	Name of Road	Previous	This Month	Total	m	m	m	m	m	Remarks
55	R78	Sombare -Highway	92.00		92.00	92.00	92.00	92.00			
56	R84	West of school	473.20		473.20	473.20	381.00	381.00			
57	R84		93.60		93.60	93.60	93.60	93.60			
58	R85	Machha Line	160.00		160.00	160.00	160.00	160.00			
59	R87	Mahabir Chowk	154.00		154.00	154.00	154.00	154.00			
60	R86	Petrol pump side - R12	200.00		200.00	200.00	191.00	191.00			
61	R11	R18/R86	281.00		281.00	281.00	205.00	205.00			
62	N3	Jatuwa	122.00		122.00	122.00	122.00	122.00			
63	N4	Jatuwa	168.00		168.00	168.00	168.00	168.00			
64	R10	Ram Marga	292.00		292.00	292.00	292.00	292.00		853.20	
65	R10	R35 to R21	393.00		393.00	393.00	393.00	393.00			
66	T2L26F	APF	55.00		55.00	55.00					
67	T2L27		80.00		80.00	80.00	80.00	80.00			
68	R122		265.55		265.55	265.55	265.55	265.55		497.40	



			I	length in n	ı		Work Comp	leted			
SN	Road	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
DIN	Number	Name of Road	Previous	This Month	Total	m	m	m	m	m	Remarks
69	N9		220.42		220.42	220.42	220.42	220.42			
70	R17		373.00		373.00	373.00	373.00	373.00		730.00	
71	R18		387.00		387.00	387.00	387.00	387.00			
72	N2		105.84		105.84	105.84	105.84	105.84			
73	T3L6	Moti marga	170.00		170.00	170.00	170.00	170.00			
74	T3L6	Elite club - CDO Office	107.00		107.00	107.00					
75	T3L6	Balmandir - Ganesh Mandir	380.00		380.00	380.00					
76	T3L6	CDO Office front	49.40		49.40	49.40					
77	T3L6A	Golchha Marga	220.00		220.00	220.00	220.00	220.00			
78	T3L23	Madhumara road	541.00		541.00	541.00	541.00	541.00		358.40	
79	R45	Bata road	505.00		505.00	505.00	505.00	505.00			
80	T3L21		400.00		400.00	400.00	400.00	400.00		774.00	
81	T3L21B		60.00		60.00	60.00	60.00	60.00			
82	N5	R16 to R18	71.00		71.00	71.00	71.00	71.00		122.00	



			I	Length in n	n		Work Comp	oleted			
SN	Road	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
DIN	Number	Name of Koad	Previous	This Month	Total	m	m	m	m	m	Remarks
83	T3L39		400.00		400.00	400.00	325.80	325.80		491.00	
84	T3L39A		89.00		89.00	89.00	89.00	89.00		179.40	
85	T3L39B		60.00		60.00	60.00	60.00	60.00		117.60	
86	T3L39C		100.00		100.00	100.00					
87	R68 - T2L24G		220.00		220.00	220.00	220.00	218.00			
88	N10		194.00		194.00	194.00	194.00	194.00			
89	T3L24C		170.00		170.00	170.00					
90	T3L9		278.00		278.00	278.00					
91	R6		1,228.20		1,228.20	1,228.20	1,228.20	1,228.20			
92	N24		116.00		116.00	116.00	116.00	116.00			
93	R31		188.70		188.70	188.70	188.70	188.70			
94	Bindabasini Marga		352.28		352.28	352.28	352.28	352.80			
95	Bhatti mode to Hartalihaat		166.50		166.50	166.50	166.50	166.50			



			Length in m Progress				Work Comp	oleted			
SN	Road	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
511	Number	Name of Koad	Previous	This Month	Total	m	m	m	m	m	Remarks
96	R73		217.00		217.00	217.00	217.00	217.00			
97	R6 (R41- R44)	Bata Galli	269.00		269.00	269.00	269.00	269.00			
98	R6		1,322.00		1,322.00	1,322.00	1,322.00	1,322.00			
99	R6	Pratibha chowk to N2	510.80		510.80	510.80	510.80	510.80			
100	R9 (R41- R7)		194.80		194.80	194.80	194.80	194.80			
101	R44	Thakurbari Road	482.50	15.00	497.50	497.50	497.50	497.50			
102	R102	Main	140.00		140.00	140.00	140.00	140.00			
103	R102	Branch	71.30		71.30	71.30	71.30	71.30			
104	R103		170.40		170.40	170.40	170.40	170.40			
105	R32		188.00		188.00	188.00	188.00	188.00			
106	T2L18Y		116.20		116.20	116.20	116.20	116.20			
107	R20		108.00		108.00	108.00	108.00	108.00			
108	R82	Everest School	530.00		530.00	530.00	530.00	530.00			
109	T1L5		140.00		140.00	140.00	140.00	140.00			
110	T1L5A		533.50		533.50	533.50	533.50	533.50			



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			I	Length in m	1		Work Comp	leted			
SN	Road	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
511	Number	Name of Koad	Previous	This Month	Total	m	m	m	m	m	Remarks
111	T3L23C	Jay Nepal	272.20		272.20	272.20	65.20	65.20			
112	T3L23C	North to Jay Nepal	82.90		82.90	82.90	82.90	82.90			
113	T3L25B		195.00		195.00	195.00	190.00	112.00			
114	T3L25C		140.00		140.00	140.00	140.00	140.00			
115	R3	T3 Trunk	685.00		685.00	685.00	370.00				
116	Nagmandir to R3		55.00		55.00	55.00	55.00	55.00			
117	R4		360.00	110.00	470.00	470.00	360.00	360.00			
118	R75		143.50		143.50	143.50	143.50	143.50			
119	R43		329.40		329.40	329.40	329.40	329.40			
120	T219P		124.80		124.80	124.80	124.80	124.80			
121	T219Q		113.70		113.70	113.70	113.70	113.70			
122	R106		180.00		180.00	180.00	180.00				
123	T3L12		80.00		80.00	80.00	50.90	50.90			
124	R46		340.00		340.00	340.00	340.00	340.00			
125	T3L11E		124.55		124.55	124.55	124.55	124.55			



			I	length in n	ı		Work Comp	oleted			
SN	Road	Name of Dood	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
SIN	Number	Name of Road	Previous	This Month	Total	m	m	m	m	m	Remarks
126	T3L13D		70.00		70.00	70.00					
127	T3L13C		100.00		100.00	100.00	100.00	100.00			
128	R34		157.00		157.00	157.00	157.00	157.00			
129	T3L13E		80.00		80.00	80.00	65.00	65.00			
130	T3L13K		154.00		154.00	154.00	75.90	75.90			
131	R19		247.00		247.00	247.00	228.00	228.00			
132	R41		540.00		540.00	540.00	540.00	540.00			
133	R9B		90.00		90.00	90.00	90.00	83.85			
134	R67		119.40		119.40	119.40	119.40	119.40			
135	R74		100.00		100.00	100.00	100.00	100.00			
136	R9A		109.00		109.00	109.00	109.00	109.00			
137	T2L19F		120.00		120.00	120.00	117.20	117.20			
138	T3L7A		190.00		190.00	190.00	158.00	158.00			
139	T3L7C		155.00		155.00	155.00	155.00	142.00			
140	T3L13F		75.00		75.00	75.00	75.00	75.00			



			I	Length in n	ı		Work Comp	leted			
SN	Road	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
21	Number	Name of Koad	Previous	This Month	Total	m	m	m	m	m	Remarks
141	T3L11M		80.00		80.00	80.00	80.00	80.00			
142	T3L11N		70.00		70.00	70.00	30.00				
143	T3L13J		67.00		67.00	67.00	67.00	67.00			
144	T3L33A (N7)		150.00		150.00	150.00	150.00	150.00			
145	T3L33B		30.00	134.00	164.00	164.00	164.00				
146	R35		137.00		137.00	137.00	137.00	137.00			
147	R83		130.00		130.00	130.00	130.00	130.00			
148	R101		130.00		130.00	130.00					
149	R105		160.00		160.00	160.00	160.00	160.00			
150	R15		192.00		192.00	192.00	192.00	192.00			
151	R181A		190.00		190.00	190.00	190.00	180.00			
152	T3L5		285.00		285.00	285.00					
153	N38		200.00		200.00	200.00	200.00				
154	T2L26E			104.00	104.00	104.00	104.00				
155	T2L19G			63.00	63.00						



			I	Length in n	n		Work Comp	pleted			
SN	Road	Name of Road	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
511	Number		Previous	This Month	Total	m	m	m	m	m	Remarks
156	T2L19H			84.00	84.00						
157	T2L19V			192.00	192.00	192.00	192.00				
158	T2L19Y			108.00	108.00	108.00					
159	T2L19W			56.00	56.00						
160	T2L19Z			60.00	60.00	60.00					
161	R110			250.00	250.00	250.00	250.00	100.00			
162	B2 (2)			87.00	87.00	87.00	87.00				
163	T2L18A			97.00	97.00	97.00					
164	T3L13C			227.00	227.00						
165	B2	Bargachhi Chowk		430.00	430.00			430.00			
166	R7	Sani Haat Chowk		86.00	86.00	86.00	86.00	86.00			
167	T3L21	Milan Chowk		60.00	60.00	60.00	60.00	60.00			
168	T3L18C			103.00	103.00	103.00	103.00	103.00			
	Total		56,067.93	3,627.70	59,695.63	58,835.63	55,056.08	52,151.65	210.00	18,395.30	



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

				Progress in	m		Footpath	_	
SN	Road Number	Туре*	Previous	This Month	Cumulative	Length (m)	Avg. Breadth (m)	Quantity (m <sup>2)</sup>	Remarks
1	R2	Precast block	602.00	300.00	902.00	902.00	0.98	879.45	RHS
2	R2	Precast block	602.00		602.00	602.00	1.10	662.20	LHS
3	R29	Precast block	330.00		330.00	330.00	0.90	297.00	RHS
4	R29	Precast block	330.00		330.00	330.00	0.90	297.00	LHS
5	R28	Precast block	322.00		322.00	322.00	0.90	289.80	RHS
6	R28	Precast block	335.00		335.00	335.00	0.90	301.50	LHS
7	R28	Precast block	341.00		341.00	341.00	0.90	306.90	RHS
8	R21	Precast block	365.00		365.00	365.00	1.00	365.00	RHS
9	R21	Precast block	765.00		765.00	765.00	1.00	765.00	LHS
10	R78	Precast block	75.00		75.00	75.00	1.20	90.00	RHS
11	R78	Precast block	75.00		75.00	75.00	1.20	90.00	LHS
12	R77	Precast block	115.00		115.00	115.00	0.90	103.50	RHS
13	R77	Precast block	115.00		115.00	115.00	0.90	103.50	LHS
14	R76	Precast block	275.00		275.00	275.00	0.95	261.25	RHS
15	R76	Precast block	275.00		275.00	275.00	0.95	261.25	LHS
16	R75	Precast block	160.00		160.00	160.00	0.95	152.00	RHS
17	R75	Precast block	160.00		160.00	160.00	0.95	152.00	LHS



				Progress in	m		Footpath		
SN	Road Number	Туре*	Previous	This Month	Cumulative	Length (m)	Avg. Breadth (m)	Quantity (m <sup>2)</sup>	Remarks
18	R10	Precast block	700.00		700.00	700.00	0.95	665.00	RHS
19	R10	Precast block	700.00		700.00	700.00	0.95	665.00	LHS
20	R31	Precast block	175.00		175.00	175.00	0.95	166.25	RHS
21	R31	Precast block	175.00		175.00	175.00	0.95	166.25	LHS
22	R32	Precast block	185.00		185.00	185.00	0.30	55.50	RHS
23	R32	Precast block	185.00		185.00	185.00	0.30	55.50	LHS
24	R33	Precast block	285.00		285.00	285.00	0.90	256.50	RHS
25	R33	Precast block	170.00		170.00	170.00	0.90	153.00	LHS
26	R16	Precast block	170.00		170.00	170.00	1.20	204.00	RHS
27	R16	Precast block	170.00		170.00	170.00	1.20	204.00	LHS
28	R6	Precast block	700.00		700.00	700.00	1.20	840.00	RHS
29	R6	Precast block	700.00		700.00	700.00	1.20	840.00	LHS
30	B1	Precast block	490.00		490.00	490.00	1.20	588.00	RHS
31	B1	Precast block	490.00		490.00	490.00	3.40	1,666.00	LHS
32	B2 (2)	Precast block	715.00		715.00	715.00	0.59	421.85	RHS
33	B2 (2)	Precast block	715.00		715.00	715.00	1.65	1,179.75	LHS
34	B2 (1)	Precast block	131.00		131.00	131.00	2.60	340.60	RHS
35	B2 (1)	Precast block	131.00		131.00	131.00	0.90	117.90	LHS



				Progress in	m		Footpath	-	
SN	Road Number	Туре*	Previous	This Month	Cumulative	Length (m)	Avg. Breadth (m)	Quantity (m <sup>2)</sup>	Remarks
36	В3	Precast block	670.00	490.00	1,160.00	1,160.00	2.33	2,697.00	RHS
37	В3	Precast block	670.00		670.00	670.00	0.70	469.00	LHS
38	S11	Precast block	112.00		112.00	112.00	0.95	106.40	RHS
39	S11	Precast block	75.00		75.00	75.00	1.21	90.75	LHS
40	Rani	Precast block	425.00		425.00	425.00	1.00	425.00	RHS
41	Rani	Precast block	425.00		425.00	425.00	1.00	425.00	LHS
42	R3	Precast block	250.00	60.00	310.00	310.00	1.10	341.00	RHS
43	R3	Precast block	1,050.00		1,050.00	1,050.00	1.10	1,155.00	LHS
44	R27	Precast block	400.00		400.00	400.00	1.10	440.00	RHS
45	R27	Precast block	400.00		400.00	400.00	0.85	340.00	LHS
46	R26	Precast block	300.00		300.00	300.00	1.23	369.00	RHS
47	R26	Precast block	285.00		285.00	285.00	1.10	313.50	LHS
48	R25	Precast block	205.00		205.00	205.00	1.00	205.00	RHS
49	R25	Precast block	201.00		201.00	201.00	1.00	201.00	LHS
	Total =		17,697.00	850.00	18,547.00	18,547.00		21,540.10	



SN	Description	Unit	Proposed in VO-01	Total Up to Previous Month	This Month	Total Up to this Month	Progress wrt VO-01
1	Subgrade	m	66,718.00	56,067.93	3,627.70	59,695.63	89.47%
2	Sub Base	m	66,718.00	55,457.93	3,377.70	58,835.63	88.19%
3	Base	m	66,718.00	51,171.98	3,884.10	55,056.08	82.52%
4	Prime/Tack	m	66,718.00	47,826.95	4,324.70	52,151.65	78.17%
5	Asphalt	m	66,718.00	47,826.95	4,324.70	52,151.65	78.17%

*Note:* Rigid road pavement is done only at B2 (3) near DPS School, east to B2 which is 427.89 m in length with crossing and run parallel to storm water drain in either side as described in table No.: 04.



#### 3.1.4. ROAD SIDE DRAIN

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

			L	ength in (n	n)	Work Co	mpleted	s
SN	Road Number	Name of Road	Prog	ress		Brick	RCC	ark
511	Koau Number	Name of Road	Previous (Revised)	This Month	Total	m		Remarks
1	B1	Kanchan Marg	45.00		45.00	45.00		
2	R29	Shanti Marg	256.52		256.52	256.52		
3	N36		185.88		185.88	185.88		
4	R8		219.83		219.83	219.83		
5	R7	Devi Marg and Pipal Marg	89.58		89.58	89.58		
6	R63	DSP Road	418.79		418.79	418.79		
7	R9	Baglamukhi path	103.20		103.20	103.20		
8	S13	Udaya Marga	79.05		79.05	79.05		
9	N33		60.00		60.00	60.00		
10	R28	Pustakalaya Marg	139.00		139.00	139.00		One Side
11	R90	Shakti Marg	377.30		377.30	377.30		
12	R114	Dharanidhar Marg	312.33		312.33	312.33		
13	R11	Om Shiv Marg	204.25		204.25	204.25		
14	R18		389.50		389.50	389.50		
15	R17		372.00		372.00	372.00		
16	R113	Kavi Lekhanath Marg	157.15		157.15	157.15		One Side
17	R77	Arniko Marg	80.00		80.00	80.00		
18	R76	Mitra Marg	270.00		270.00	270.00		



			L	ength in (n	1)	Work Co	mpleted	
CN	Dood Number	Newsel	Prog	Progress		Brick	RCC	arks
SN	Road Number	Name of Road	Previous (Revised)	This Month	Total	m	m	Remarks
19	N9	Devi Marga	222.58		222.58	222.58		
20	N4		162.20		162.20	162.20		
21	R33	Tarun Marg	283.15		283.15	283.15		
22	R36	Gaurav Marg	221.80		221.80	221.80		
23	R86	Jan path Marg	192.15		192.15	192.15		
24	R183	Nava Jyoti Marg	219.40		219.40	219.40		
25	R7a		67.35		67.35	67.35		
26	Rani site	Rani B	365.33		365.33	365.33		
27	Rani site	Rani A	271.50		271.50	271.50		
28	N3		126.25		126.25	126.25		
29	N5		65.00		65.00	65.00		
30	R21	Binayak Marga	194.13		194.13	194.13		One Side
31	R2	Main Road	2,793.50		2,793.50	2,793.50		
32	T1L16B	Xenial Front	205.68		205.68	205.68		
33	T1L16A	Xenial South	160.74		160.74	160.74		
34	R75	Tintoliya Marga	143.00		143.00	143.00		
35	R122	Amar Marga	256.00		256.00	256.00		
36	R18 Branch		30.00		30.00	30.00		
37	R7(b)(Neuro to Siddhartha chowk)	Siddhartha Marga	365.00		365.00	365.00		
38	R12	Sukra Path	846.50		846.50	846.50		
39	R42	Jahada Marga	85.50		85.50	85.50		
40	R6	Shahi Marg	963.00	7.00	970.00	_	970.00	
41	R21(a)	DharamBadh Junction	95.00		95.00	95.00		One Side
42	R78	Binayak Marga	70.00		70.00	70.00		



			L	ength in (n	1)	Work Co	mpleted	
CN	Dood Number	Nama CDaad	Prog	Progress		Brick	RCC	arks
SN	Road Number	Name of Road	Previous (Revised)	This Month	Total	m	m	Remarks
43	R188	Shakti Marg	115.60		115.60	115.60		
44	R40	Brahma Kumari Marga	328.20		328.20	328.20		
45	Rani Site C		97.50		97.50	97.50		
46	Rani Site D		131.45		131.45	131.45		
47	T3L21	Moti Marga	527.00		527.00	527.00		
48	T3L39	Gaheli Marga	340.00		340.00	340.00		
49	T3 Line 39A		139.00		139.00	139.00		
50	T3 L39B		58.50		58.50	58.50		
51	T2L27	Bhumi Prashasan Junction	79.50		79.50	79.50		
52	N2		103.20		103.20	103.20		
53	T2 Line 26E	College Road	90.00		90.00	90.00		
54	T2 Line 18C	Maisthan Marga	102.00		102.00	102.00		
55	T2Line 18A	Makalu Marga	90.00		90.00	90.00		
56	R6 (T3L11i)		265.00		265.00	265.00		
57	R9 (T3L11k)	Tathasthu Marga	180.00		180.00	180.00		
58	R45 (T3Line10D)	Dadhiram Marga	298.00		298.00	298.00		
59	R9, T2 L19	Fanindra Marga and Baglamukhi Marga	362.00		362.00	362.00		
60	R7c (Neuro to Shanti Chowk)	Siddhartha Marga	600.00		600.00	600.00		
61	R84	School Marga and Tenjing Marga	560.00		560.00	560.00		
62	R85	Lekhanath Marga	150.00		150.00	150.00		
63	R87	Byas Marga	150.00		150.00	150.00		
64	Rani B (Bus park)		90.00		90.00	90.00		
65	R8(a)	Madhumara Marg	312.00		312.00	312.00		



			L	ength in (n	n)	Work Co	mpleted	
CN	Deed Name have	Newser	Prog	ress		Brick	RCC	arks
SN	Road Number	Name of Road	Previous (Revised)	This Month	Total	m	m	Remarks
66	T3L23A, R101		220.00		220.00	220.00		
67	Rani E		80.00		80.00	80.00		One Side
68	R102	Hamro Marg	140.00		140.00	140.00		
69	R10/R10a	Ram Marga	740.36		740.36	740.36		
70	N10	APF	193.00		193.00	193.00		
71	R23	Bani Marg	200.00		200.00	200.00		
72	R103	Vibuti Marga	170.00		170.00	170.00		
73	T3L6 and T3L7	Sahid Marga	730.00		730.00	730.00		
74	P1, T3L6A	Pandit Meghnath Marga	260.00		260.00	260.00		
75	T2 L24C & D	Hanuman Das Marga	180.00		180.00	180.00		
76	T2 L25 (R5)	Chulachuli Marga	200.00		200.00	200.00		
77	R20		108.00		108.00	108.00		
78	T2L24F		115.50		115.50	115.50		
79	R105		86.00		86.00	86.00		One Side
80	R34	Prabhu Marg	158.35		158.35	158.35		
81	R35	Garima Marg	140.00		140.00	140.00		
82	R107		160.00		160.00	160.00		
83	T3L13D		70.63		70.63	70.63		
84	T3L13E		62.40		62.40	62.40		
85	T3L11E		110.00		110.00	110.00		
86	B2		210.00		210.00	210.00		
87	R78		35.00		35.00	35.00		One Side
88	T3L21B		70.00		70.00	70.00		
89	T3L21A		50.00		50.00	50.00		



#### **Monthly Progress Report**

			L	ength in (n	n)	Work Co	mpleted	S
SN	Road Number	Name of Road	Prog	ress		Brick	RCC	ark
511	Koad Number	Name of Koau	Previous (Revised)	This Month	Total	m	m	Remarks
90	R74		96.00		96.00	96.00		
91	R46, (T3L7 and T3L22)	Rangeli Road	400.00		400.00	400.00		
92	T3L7A		125.00		125.00	125.00		
93	T3L8		75.00		75.00	75.00		
94	R5, (T2 L24)	Gudari Marga	274.00		274.00	274.00		
95	R82		190.00		190.00	190.00		
96	T1L13A		100.00		100.00	100.00		
97	T1L14A		150.00		150.00	150.00		
98	R68		200.00		200.00	200.00		
99	T3L22A		335.00		335.00	335.00		
100	T3L22B		120.00		120.00	120.00		
101	T3L25C		130.00		130.00	130.00		
102	T3L11B		71.00		71.00	71.00		
103	T3L11M		82.00		82.00	82.00		
104	R106		70.00		70.00	70.00		
105	R41		520.00		520.00	520.00		
106	T2L19B		130.00		130.00	130.00		
107	R30		180.00		180.00	180.00		
108	T3L13C		300.00		300.00	300.00		
109	T3L13J		72.53		72.53	72.53		
110	T2L18Y		100.00		100.00	100.00		
111	T2L19P		114.38		114.38	114.38		
112	T2L19Q		126.55		126.55	126.55		
113	R9A		109.30		109.30	109.30		
114	R9B		85.00		85.00	85.00		



	Road Number		L	ength in (m	ı)	Work Co	mpleted	
SN		Name of Road	Prog	ress		Brick	RCC	ark
511		Ivame of Koau	Previous (Revised)	This Month	Total	m	m	Remarks
115	T2L18K		74.70		74.70	74.70		
116	T3L23C		105.00		105.00	105.00		
117	T2L24E	Mahabir Marga	216.00		216.00	216.00		
118	R44		700.00		700.00	700.00		
119	R110		250.00		250.00	250.00		
120	Parichaya Marga		190.00		190.00	190.00		
121	T3L25B		195.00		195.00	195.00		
122	T1L5, 5A		590.00		590.00	590.00		
123	T2L19Y		150.00		150.00	150.00		
124	T3 Trunk		1,555.08		1,555.08	1,555.08		
125	T2L19F		118.00		118.00	118.00		
126	T2L18D		75.00		75.00	75.00		
127	R19		226.00		226.00	226.00		
128	R83	Shiva Marga	125.00		125.00	125.00		
129	T3L10B, T3L7D (R46)	Rangeli Road	400.00		400.00	400.00		
130	T2L19G		60.00		60.00	60.00		
131	R4 (T2 Trunk)	Jatuwa Marga	280.00	100.00	380.00	-	380.00	
132	T3L25B, Outlet	Madhumara	96.00		96.00	96.00		
133	T3L7B	Matrika Marga	150.00		150.00	150.00		
134	T3L5	Sanihat Marga	210.00		210.00	210.00		
135	T2L19H		85.00		85.00	85.00		
136	R181		193.00		193.00	193.00		
137	N38		200.00		200.00	200.00		
138	T3L10C	Paurakh Marga	110.00		110.00	110.00		
139	T3L10F		135.00		135.00	135.00		



	Dood Number		L	ength in (n	n)	Work Co	mpleted	10
CN		Name of Dood	Prog	ress		Brick	RCC	arks
SN	Road Number	Name of Road	Previous (Revised)	This Month	Total	m		Remarks
140	T3L10, R6		340.00		340.00	340.00		
141	R47 (T3L10A)	Matrika Marga	150.00		150.00	150.00		
142	R12	Kanchhadai Marga	450.00		450.00	450.00		
143	R8 (b)	Sahayogi Marga	65.00		65.00	65.00		
144	T1L7A	Piyush Marga	70.00		70.00	70.00		
145	T1L7B				-	-		
146	T1L7C				-	-		
147	T1L8C				-	-		
148	R39	Maisthan Marga	100.00		100.00	100.00		
149	N7	Amar Marga	130.00		130.00	130.00		
150	N8	Amar Marga	160.00		160.00	160.00		
151	R26	Amar Marga	290.00		290.00	290.00		
152	T3L25A	Bhakti Marga	260.00		260.00	260.00		
153	R16, T3L36	Satya Marga	200.00		200.00	200.00		
154	R17, T3L35		100.00		100.00	100.00		
155	T3L20	Janani Marga	200.00		200.00	200.00		
156	N34, T3L31A		80.00		80.00	80.00		
157	T2L19W	Bhugol Marga	50.00		50.00	50.00		
158	T2L19V	Bhugol Marga	90.00		90.00	90.00		
159	T1L8B	School Marga	115.00		115.00	115.00		
	Total		35,316.82	107.00	35,423.82	34,073.82	1,350.00	

Note: at One Sided Drain Road length, in total column the actual length is divided by two to make similarity with others road as in others road the length assumed for both side.



## **3.2. ENVIRONMENTAL ASPECT**

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

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

### 3.2.1. BORROW/ QUARRY SITES

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

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

## 3.2.2. DISPOSAL OF SPOIL AND CONSTRUCTION WASTE

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

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

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

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

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



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



# 3.2.3. PROVISION AND MAINTENANCE OF TOILETS

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

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

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

# 3.2.4. CRUSHING PLANTS

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

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

# 3.2.5. ASPHALT PLANTS AND BATCHING PLANTS

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

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

# 3.2.6. OCCUPATIONAL HEALTH AND SAFETY MEASURES

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

The 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 / Sub Base / Base works and production of precast items, etc.). The Engineer has issued the format of Social Safeguard Monitoring plan which is attached here with.

# 3.4. SAFEGUARD/ GESI COMPONENT

## 3.4.1. COMMUNITY AWARENESS:

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

# 3.4.2. GRIEVANCE REDRESSES MECHANISM:

Although many grievances were received verbally, only 9 (Nine) 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 (20numbers) 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 date1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> December, 2018 following issues were found. Social Safeguard revisited the site on 29<sup>th</sup>, 30<sup>th</sup> and 31<sup>st</sup> December.

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

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

# 3.4.5. STATUS OF RELOCATION OF SERVICES

Relocation of water supply pipe lines are ongoing at R7 (Tinpaini to Sanihat), R3 (R2 to DUDBC Office), & R24, etc. The supply has been providing temporarily as per site condition and where required. Relocation of electric poles are ongoing at N7, T3 Trunk & Rangeli road, etc.

Labour	Labour		Comp	osition					
class	Skilled	Unskilled	Male	Female	Janjati	Dalit	Muslim	Madhesi	Brahmin/ Chhetri
Local	6	16	22	0	3	5	0	14	0
Non local	95	308	359	44	117	89	23	174	0
Indian	6	20	26	0	0	0	15	11	0
TOTAL	107	344	407	44	120	94	38	199	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	Covering date	Submitted Amount (NRs)	Remarks
1	IPC 01	15 <sup>th</sup> October 2017		339,105,000.00	Mobilization Advance
2	IPC 02	2 <sup>nd</sup> April 2018	2nd November 2017 to 31st March 2018	261,501,492.21	
3	IPC 03	1 <sup>st</sup> July 2018	1st April 2018 to 30th June 2018	316,582,708.58	
4	IPC 04	1 <sup>st</sup> October 2018	1st July 2018 to 31st September 2019	105,227,887.16	
5	IPC 05	2 <sup>nd</sup> December 2018	1st October 2018 to 30th November 2018	95,951,603.44	
6	IPC 06	31 <sup>st</sup> January 2019	1st December 2018 to 31st January 2019	264,937,394.98	
7	IPC 07	12 <sup>th</sup> April 2019	1st February 2019 to 31st March 2019	308,805,662.97	
8	IPC 08	9 <sup>th</sup> May 2019	1st April 2019 to 30th April 2019	106,210,198.68	
9	IPC 09	10 <sup>th</sup> June 2019	1st May 2019 to 31st May 2019	90,419,375.33	
10	IPC 10	11th July 2019	1st June 2019 to 30th June 2019	67,863,056.59	
11	IPC 11	30 <sup>th</sup> September 2019	1 <sup>st</sup> July 2019 to 30 <sup>th</sup> September 2019	95,296,297.30	
12	IPC 12	3rd November 2019	1st October 2019 to 31st October 2019	53,113,369.86	



S. No.	Description	Submission date Covering date		Submitted Amount (NRs)	Remarks
13	IPC 13	30th November 2019	4th June 2019 to 30th June 2019	125,965,923.87	
14	IPC 14	31 <sup>st</sup> December 2019	1st December 2019 to 31st December 2019	63,509,092.84	
15	IPC 15	4th February 2020	1st Jan 2020 to 31st Jan 2020	232,027,037.24	
	amount exclud ization advanc	0		2,187,411,101.05	

**Note:** The contractor asked for cost claim under categories like idle manpower, idle equipment, interest on delay payment, works hampered due to events occurred during various Banda, site possession not available on time and disputes of right of way pursue to clause 2.1, 8.4, 14.8 and 20.1 of GCC/PCC and those are 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:

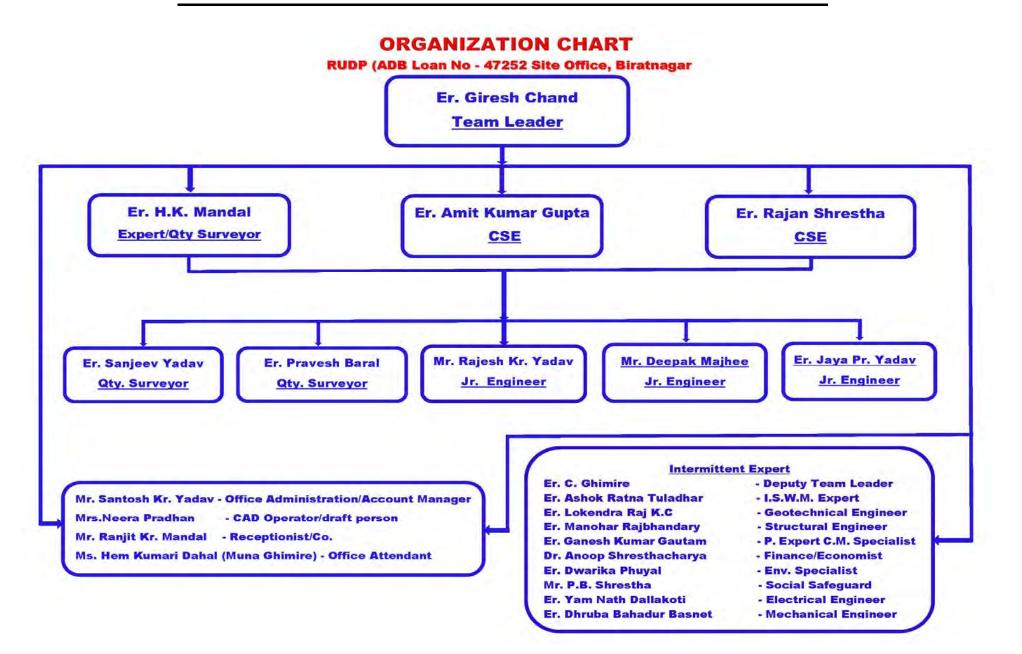
- Detailed Design and Procurement Assistance Phase for integrated solid waste management design (ISWM)
- Monthly progress report and quarterly progress report.
- Semi- annual Environmental monitoring report.
- Semi-annual Safeguard monitoring report.
- Annual progress report including annual Environmental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



# **4.3. ORGANIZATION AND STAFFING**

# Attached







# 4.4. CONSULTANT'S ACTIVITIES IN CONSTRUCTION PHASE

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

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

SN	Name	Designation	Joining date	Remarks
1	Mr. Giresh Chand	Team Leader	6 <sup>th</sup> Sep 2017	
2	Mr. Ashok Ratna Tuladhar	ISWM (Designer)	6 <sup>th</sup> Sep 2017	Intermittent
3	Mr. Dwarika Phuyal	Environmental Safeguard Expert	1 Nov 2017	Intermittent
4	Mr. Prakash Bhakata Shrestha	Social Safeguard Monitoring Expert	26 <sup>th</sup> dec-2017	Intermittent
5	Mr. Hare Krishna Mandal	Expert/Quantity surveyor	1 <sup>st</sup> Nov 2017	
6	Mr. Amit Kumar Gupta	Construction Supervision Engineer	1 <sup>st</sup> March 2018	
7	Mr. Rajan Shrestha	CSE/Quantity Surveyor	7 <sup>th</sup> Nov 2017	Working as CSE from 1st May 2019.
8	Mr. Rajesh Kumar Yadav	Junior Engineer-1	6 <sup>th</sup> Sep 2017	
9	Mr. Sanjeev Yadav	Qty. Surveyor	5 <sup>th</sup> Nov 2017	
10	Mr. Santosh Kumar Yadav	Office Administration/Account Manager	6 <sup>th</sup> Sep 2017	
11	Mr. Hem Kumari Dahal (Muna Ghimire)	Office Attendant	6 <sup>th</sup> Sep 2017	
12	Mr. Ranjit Kumar Mandal	Receptionist	10 <sup>th</sup> Dec 2017	
13	Mr. Pravesh Baral	Junior Engineer-2	10 <sup>th</sup> Dec 2017	
14	Mr. J.P Yadav	Junior Engineer-3	1 <sup>st</sup> March 2018	
15	Mr. Deepak Majhi	Junior Engineer-4	1 <sup>st</sup> March 2018	
16	Mrs. Neera Pradhan	CAD operator/Draft Person	10 <sup>th</sup> Dec 2017	
17	Mr. Yubraj 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 three production yards at Koshi project and Madhumara camp for pre-cast items like Kerb stone, drain cover slab, sewer precast elements, etc. But as more than 85% work done so that the production yard at Koshi project has been closed but production at Madhumara camp is going on.

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

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

# **5.2. PROGRESS ACHIEVED TILL DATE**



Month	Target This Month			Achievement This Month		Leading		Lagging	
WIGHTH	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Remarks
June-19	3.95%	75.03%	2.05%	69.33%				-5.70%	Lagging
July-19	3.90%	78.93%	2.19%	71.52%				-7.41%	Lagging
August-19	4.97%	83.90%	2.01%	73.53%				-10.37%	Lagging
September-19	7.45%	91.35%	4.97%	78.50%	NA	NA	-2.48%	-12.85%	Lagging
October-19	8.56%	99.91%	1.14%	79.64%	NA	NA	-7.42%	-20.27%	Lagging
November-19	0.09%	100.00%	0.33%	79.97%	0.24%	NA	NA	-20.03%	Lagging
December- 2019 (after Revision-2)	5.00%	72.98%	5.14%	73.12%	0.14%	0.14%	NA	NA	Leading
January-20	6.00%	78.98%	10.62%	83.74%	4.62%	4.76%	NA	NA	Leading
February-20	6.70%	85.68%	1.48%	85.22%	NA	NA	-5.22%	-0.46%	Leading

# 5.3. KEYEVENTS

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

### Table 8: KEY DATES of EVENTS / ACTIVITIES

S. No.	Date	Activities/Events	Remarks
1		Frequent visit of sites by the representatives of the employer.	



# 6. DETAILS OF PRE CAST ACTIVITIES.

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

			Physical Pr	ogress till d	ate			
			]	Progress				
S.N.	Description	Unit	BoQ	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks	
1	Precast Slab	No		85,951.00	2,000.00	87,951.00	Under progress	
2	Kerb Stone	Rm	147,729.68	99,210.80	2,000.00	101,210.80	68.51%	

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

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



# Table 11: PHYSICAL PROGRESS in PRODUCTION/PURCHASE OF HDPE Pipe till date.

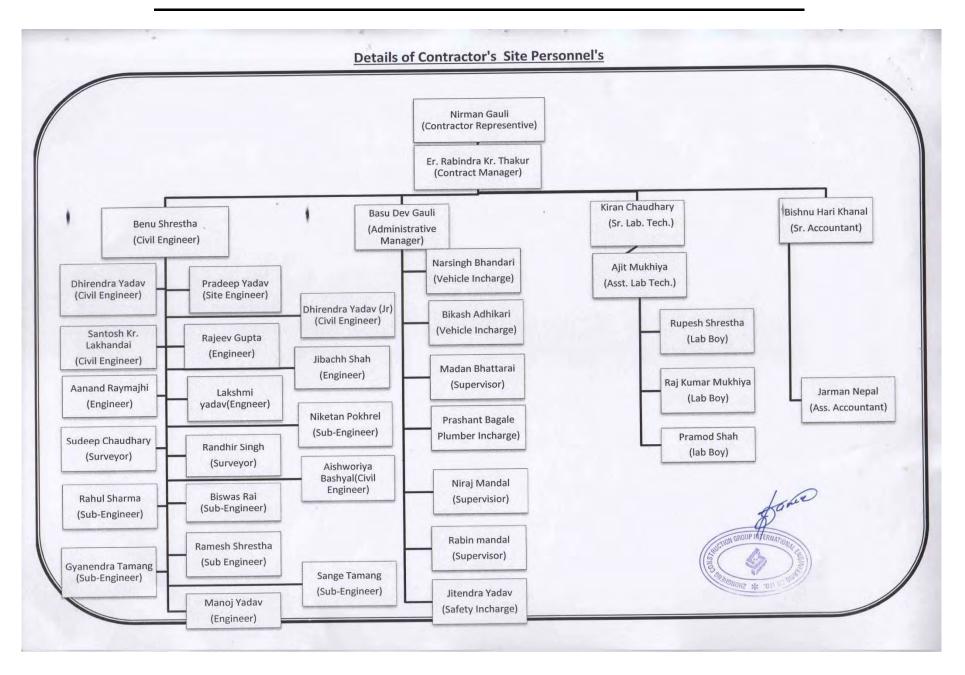
	Physical Progress till date											
				Progi	ress							
S.N.	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks					
1	HDPE Pipe	110.00	1,987.20	4,487.20	-	4,487.20						
2	HDPE Pipe	200.00	16,656.00	16,500.00	-	16,500.00	Under process				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

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

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



#### **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	-	8	
8	Sub- Engineer	-	6	
9	Accountant	-	2	
10	Lab Technician	-	5	
11	Store Keeper	-	1	
12	Vehicle In charge	-	2	
13	Skilled Labors		107	
14	Unskilled Labors		344	



# 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	1	Backhoe loader-9 nos.
2	Crane (10 ton capacity)	3	1	
3	Asphalt plant of adequate capacity	1	1	
4	Asphalt pavers	1	1	
5	Vibrating roller	2	4	Among 4 nos.:- 2 ton rollers – 2 nos.
6	Pneumatic tyre roller 8 to 10 ton	2	1	
7	Smooth wheeled roller 8 to 10 ton	1	1	
8	Grader	1	2	
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	9	
12	Chips spreader	1	-	
13	Bitumen decanter minimum 4000 Litres. ( preheating container)	2	2	
	Air compressor	2	2	
14	Tipping Trucks	5	2	
15	Service vehicle	15	4	Tractor = 25 Nos.
16	Survey equipment (Total station with accessories)	2	1	



# Regional Urban Development Project (RUDP)

S. No.	Equipment Type and Characteristics	Min Number required as per Contract	ZHONGHENG CONSTRUCTION Group	Remarks
17	Theodolite	1	-	
18	Levelling	2	27	
19	Mobile Generator 15-20 KVA	5	10	
20	Mixer Machine	3	5	
21	Concrete Batching Plant	1	-	
22	Concrete pump	1	-	
23	Drain cleaner/ Nala cleaner	2	-	
24	Broomer	-	1	
25	Motor Bike	-	11	
26	Plate Compactor	-	5	
27	Water Pump	-	14	

# 9. WORK PLAN FOR THE NEXT MONTH

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

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



# **ANNEX-1: Photographs of February, 2020**





Interlock work at Sani Haat Chowk



Road Gutter cleansing at B3



Regional Urban Development Project (RUDP)



Prime work at R4



Asphalt work at R2



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



Backfilling work for footpath at R44



Road diversion at R2



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



Completion of road crossing slab concreting at S13



Road Surface prepared for prime coat application at T3L10C



# ANNEX-2: Minutes of Meeting February, 2020

Not Any



# ANNEX-3: Laboratory Test Results of February, 2020 ATTACHED



			ontract No:- RUI		2				/
		1	Summary Sheet of Mo	nthly Test Report		Mon	the	Fak	ruary
						Ye			020
			Location:-	T2L19Y		Type Mate		Sub	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-SG-01	T2L19Y,(0+060)	Existing Road	10-Feb-19	1.985	10.00	7.46	7.48	
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		Contractor				ty (P)	Bt		
		Contractor ENG CONSTRUCT IONAL ENGINEER		BUILDING JOINT VEN PVT. LTD ANE (P) L	Co DESIGN TURE V PLUS I	AUTH	ORIT N. CO ERS &	NSULT. & ARCH	ANCY



			Summ	ary Sneet	of Field Dens	ity Test	Month	Febr	uary
							Year	20	
-		-	Loca	tion:-T21	content %		pe of Material	Sub-C	
				WOIsture	coment %	Density		Compac	ction %
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		0+020	10.00	10.21	1.985	1.956	98.52	95
2	RUDP-SG-FD-1, C/L		0+060	10.00	9.47	1.985	1.932	97.31	95
3	RUDP-SG-FD-1, L/S		0+080	10.00	8.93	1.985	1.887	95.04	95
4	RUDP-SG-FD-1, R/S	22-Feb-20	0+105	10.00	8.80	1.985	1.922	96.82	95
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	Con TUDN GROUP INTEG	ntractor		-		101	Consultan	12	
ZH	ONGHENG CONSTRUCT	RING CO. LT		TIONAL	WITH B.N. C	ONSULTAN	CY PVT. LTI	LTD IN JOINT AND PLUS EN HMANDU, NEI	<b>NGINEERS</b>
Thech	sed By eer	9		tted By Manager	Verified Expert Qty S	By	* Biratnagar *	Approved By Team Leader	



Sn.						Mon Ye			ruary 020
Sn.			Location:-T2L192			Type	of		grade
	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-SG-01	T2L19Z,(0+050)	Existing Road	21-Feb-20	1.958	7.15	7.01	7.40	
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	ecked By ngineer		Submitted By Contract Manager	Verified By			Appro	oved By	
	ndra Yadav		Rabindra Kr. Thakur	H.k. Mandal/Rajan	Shrestha			Leader 1 Chand	



						-	Month Year	Febru 202	
			Locat	ion:-T2L		Ty	pe of Material	Sub-G	rade
1.1.1				Moistur	e content %		(gm/cc)	Compac	tion %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specifie %
1	RUDP-SG-FD-1, R/S	23-Feb-20	0+020	7.15	6.60	1.958	1.891	96.57	95
2	RUDP-SG-FD-1, L/S	23-Feb-20	0+080	7.15	7.36	1.958	1.884	96.21	95
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	Engineer		Contract	Manager	Expert Qty Su	rveyor/CSE		Team Leade	r
	Dhirendra Yadav		Rabindra	Kr. Thakur	H.K. Mandal/Ra	ajan Shrestha		Giresh Chan	d



				onthly Test Repo		Mor Ye Typ	ar	2	oruary 020
			Location:-R-106			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-106,(0+060)	Existing Road	19-Feb-20	1.920	7.20	8.08	6.10	
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HON		GINEERING CO. LT		VENTURE WIT PLUS ENC	INEERS	& ARC	HITEC	TS (P) L	TD,
1	hecked By Engineer rendra Yaday		Submitted By Contract Manager Rabindra Kr. Thakur	Verified By Expert Qty surveyo H.k. Mandal/Rajan			Appr	ved By Leader h Chand	



_			Loca	tion:-R-			Month Year Type of Material	Febru 202 Sub-G	20 rade
Sn.	Lab.Ref.no	Testing Date	Chainage		e content % Field MC%	Max.Dr density	density,	Compac Compaction	specified
1	RUDP-SG-FD-1, R/S	21-Feb-20	0+020	7.20	6.92	gm/cc 1.920	0	% 95.94	95
2	RUDP-SG-FD-1, L/S	21-Feb-20	0+080	7.20	7.05	1.920		97.92	95
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ZH	ONGHENG CONSTRUC	TION GROUP I RING CO. L/TE	INTERNAT	TIONAL	WITH B.N.	CONSULT	ETHORITY (P) IANCY PVT. LT TS (P) LTD, KAT	DAND PLUS E	INGINEERS
	Checked By Engineer Dhirendra Yaday		Contract	kted By Manager Kr Thakur	Verified Expert Qty Sur H.K. Mandal/Rai	veyor/CSE	Biratnog	Approved B Team Leade Giresh Chan	ly r



			Biratnagar N Contract No:-	EVELOPMEN' Metropolitan City RUDP/ICB/BRT-02 of Monthly Test Report					
						Mor			oruary 020
			Loc	ation:-R-4		Type	e of	-	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-SG-01	R-4,(0+680)	Existing Road	17-Feb-20	1.962	8.65	8,80	6.65	
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			Sp. Limit				<18	>3	
and a	E E	STRUCTION GROUN NGINEERING CO. L7	P INTERNATIONAL ID Submitted By Contract Manager	BUILDING DESIGN AUT WITH B.N. CONSULTAN ARCHITECTS (I Verified By Expert Qty Surveyor/CSE	CY PVT L P) ETD, KA	(P) LTD TD AND	PUES VDU, X	ENGINE EPAL	ERS &



							Month Year		ruary 20
			Loc	ation:-R-	4		Type of Material		Grade
				Moistur	e content %		sity(gm/cc)	Compa	ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density gm/cc	density,	Compaction	Specified
1	RUDP-SG-FD-1, L/S	20-Feb-20	0+650	8.65	7.90	1.962		% 97.34	95
2	RUDP-SG-FD-1, C/L		0+680	8.65	7.96	1.962		96.79	95
2	RUDP-SG-FD-1, R/S	20-Feb-20	0+730	8.65	7.04	1.962		96.10	95
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ZH	IONGHENG CONSTRUC	TION GROUP RING CO. LTT	INTERNAT	IONAL	BUILDING WITH B.N. C AR	DESIGN CONSULT CHITEC	AUTHORITY (P ANCY PVT LT FS (P) LTD, KAT	) LTD IN JOIN D AND PLUS E HMANDU, NE	T VENTURE NGINEERS PAL
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	Checked By Engineer		Submitt Contract M	Aanaper	Verified Expert Qty Sur	VEVOR/CSE		Approved By Team Leader	
	Dhirendra yadav		Rabindra K	r. Thakur	H.K. Mandal/Ra	jan Shrest	ha	Giresh Chand	



			Summary Sheet of Mon	any rest acport		Mor Ye Typ	ar e of	2	020 grade
Sn.	Lab.Ref no.	Location/Chainage	Location:-T3L19H	Du CT d		Mate			
5n.	RUDP-SG-01		Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	KODP-SG-01	T3L19H,(0+100)	Existing Road	22-Feb-20	1.996	8.25	10.06	7.20	
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Zn	(Eg)	ENGINEERING CO.	UP INTERNATIONAL LTD	VENTURE WITH BAY CONSULTANCY PVT. LTD AN PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL					
1	hecked By Engineer rendra yaday		Submitted By Contract Manager Rabindra Kr. Thakur			CSE		pprove Team Le Biresh C	d By ader



			Summar	v Sheet o	f Field Densi		Month	Febru	
			Tant	ion:-T3L	1011	-	Year	202	
-			Locat		e content %	Density	pe of Material (gm/cc)	Sub-G Compac	
Sn.	Lab.Ref.no	Testing Date	Chanage		Field MC%	Max.Dry density gm/cc	Field Dry density,	Compaction	Specified %
1	RUDP-SG-FD-1, L/S	23-Feb-20	0+050	8.25	7.30	1.996	gm/cc 1.919	% 96.15	95
2	RUDP-SG-FD-1, R/S		0+030	8.25	8.16	1.996	1.919	90.15	95
3	RUDP-SG-FD-1, L/S	23-Feb-20	0+130	8.25	8.04	1.996	1.930	96.14	95
-	KODI-50-1D-1, L/5	25-100-20	01130	0,43	0.04	1.990	1.919	90.14	95
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	Chicked By Engineer Dhirendra yaday	 S Co	attraited Entract Mana	iger		ied By urveyor/CSE Rajan Shres	Biratna	Approved By Team Leader Giresh Chand	



			Summary Sheet of Mon			Mor Ye Type	ar e of	2	oruary 020 grade		
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	Mate	PI%		Remark		
1	RUDP-SG-01	T3L13C,(0+060)	Existing Road	23-Feb-20	2.010	8.35	10.06	7.40			
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	Contraction of the second	ENGINEERING CO. L	TD	VENTURE WITH BAN CONSULTANCY PVT. LTD ANI PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL							
	hecked By Engineer rendra yadav		Submitted By Contract Manager Rabindra Kr. Thakur	Verifi Expert Qty S H.K. Mandal/F		 CSE		Approve Team Le Biresh C	ader		



			Summar	y Sheet o	f Field Densit	ty Test			
						-	Month Year	Febru 202	
			Locat	ion:-T3L	.13C		Type of Material	Sub-G	
				Moistur	e content %		ity(gm/cc)	Compac	tion %
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dr density gm/cc		Compaction %	Specified %
1	RUDP-SG-FD-1, L/S	25-Feb-20	0+020	8.35	8.07	2.010	1.570	97.39	95
2	RUDP-SG-FD-1, R/S	25-Feb-20	0+050	8.35	7.99	2.010	1.947	96.88	95
3	RUDP-SG-FD-1, L/S	25-Feb-20	0+080	8.35	8.40	2.010	1.912	95.14	95
4	RUDP-SG-FD-1, R/S	25-Feb-20	0+100	8.35	7.34	2.010	1.965	97.78	95
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ZH	IONGHENG CONSTRUC ENGINEE	RING CO. LTI	INTERNA'	FIONAL	WITH B.N.	CONSULT	ANCY PVT. LT S (P) LTD, KA	DAND PLUS I	ENGINEERS
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	Shi		hu		Rec	/		K	
	Checked By		Submitted I	By	Verif	ied By		Approved By	***
	Engineer Dhirendra yadav	Co	ontract Man dra Kr. Tha	ager	Expert Qty S H.K. Mandal	Surveyor/CS		Team Leader Giresh Chand	

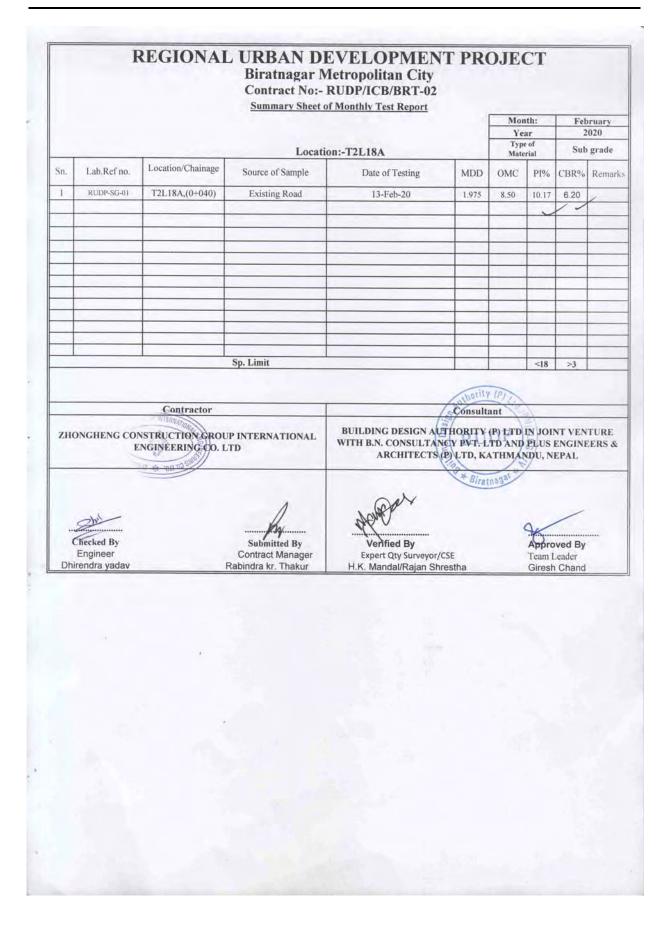


				onthly Test Repo		Mon Ye:			oruary 020
			Location:-T2L19	G		Type Mate	of	Sub	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	P1%	CBR%	Remark
1	RUDP-SG-01	T2L19G,(0+030)	Existing Road	19-Feb-20	1.966	7.50	9.41	7.30	
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	hecked By		Submitted By	Verified By				ved By	
	Engineer endra Yadav		Contract Manager Rabindra Kr. Thakur	Expert Qty surveyo H.k. Mandal/Rajan	r/CSE Shrestha		Team I Giresh	Leader Chand	
		÷		H.k. Mandal/Rajan	Shrestha				



			Locat	ion:-T2L			Month Year Type of Material	Febru 202 Sub-G	20 Frade
				Moistur	e content %		sity(gm/cc)	Compac	ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density gm/cc	density,	Compaction %	Specifie %
1	RUDP-SG-FD-1, L/S	22-Feb-20	0+020	7.50	7.16	1.966	0	97.58	95
2	RUDP-SG-FD-1, C/L	22-Feb-20	0+060	7.50	7.98	1.966		95.63	95
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ZH	IONGHENG CONSTRUCT	RING CO. LTD	NTERNAT	FIONAL	WITH B.N. O	CONSULT	UTHORITY (P) TANCY PVT LIT TS (P) LTD, KAT	LTD IN JOINT	INGINEER
	Checked By Engineer Dhirendra Yadav		Contract	tted By Manager Kr Thakur	Verified Expert Qty Sur H.K. Mandal/Raj	veyor/CSE	Biratna	Approved B Team Leade Giresh Chan	y r







			Summary	Sheet of	Field Density	Test		Month	Febr	hary
								Year	20	
_			Loca	tion:-	T2L18A	_	Type	of Material	Sub-G	Grade
				Moistur	e content %			gm/cc)	Compa	ction %
N.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	den	c.Dry nsity n/cc	Field Dry density,	Compaction %	Specified %
1	RUDP-SG-FD-1, R/S		0+020	8.50	7.92	-	050	1.951	95.18	95
2	RUDP-SG-FD-1, R/S		0+050	8.50	7.24		050	1.972	96.17	95
3	RUDP-SG-FD-1, R/S	15-Feb-20	0+080	8.50	7.60	2.0	050	1.958	95.49	95
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-		ntractor (	6	-	BUILDI	NCD		Consulta	nt ITY (P) LTD H	LOINT
ZE	IONGHENG CONSTRUC	TION GROUP RING CO. DV	D	FIONAL	VENTURE V	NITH	B.N. C	ONSULTA	NCY PVT. LT	D AND PLUS
-	1 440 L	* '011 62 St	-		ENGINEERS	& AR	RCHIT	ECTS (P) L	TD, KATHMA	NDU, NEPAI
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			/	1	Mark				/	
	h		M	N	R				ar	
	Cheeked By			tted By	Verified I			-	Approved By	
	Engineer Dhirendra yadav		Contract Rabindra I		Expert Qty Sur H.K. Mandal/R				Team Leader Giresh Chano	
						-		-		



						Mor Ye Type	ar	2	oruary 020
			Location:-T2L19	X	-	Mate	rial	Sub	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-SG-01	T2L19X,(0+080)	Existing Road	8-Feb-20	1.925	10.20	8.20	8.69	1
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HON	GHENG CON	STRUCTION GROUP GINEERING CO LIT	PINTERNATIONAL D	PLUS ENG	H B.N. O INEERS KATHM	ONSULT	ANCY	PVT. L'	<b>FD</b> AND
U.			h	Heren		erinda			/
	fiecked By Engineer rendra yadav		Submitted By Contract Manager Rabindra Kr. Thakur	Verified By Expert Qty surveyor H.k. Mandal/Rajan S	r/CSE Shrestha		Team I	eader Chand	
									and the second



			Summa	ry Sheet	of Field Densit	v Test			
						-	Month Year	Febr 20	
			Locat	ion:-T2L	19X	T	ype of Material	Sub-C	
					re content %		(gm/cc)	Compa	the state of the s
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specifie %
1	RUDP-SG-FD-1, L/S	11-Feb-20	0+040	10.20	9.84	1.925	1.860	96.64	95
2	RUDP-SG-FD-1, R/S	11-Feb-20	0+080	10.20	9.31	1.925	1.840	95.61	95
3	RUDP-SG-FD-1,C/L	11-Feb-20	0+100	10.20	9.93	1.925	1.841	95.64	95
4	RUDP-SG-FD-1, R/S	11-Feb-20	0+190	10.20	9.00	1.925	1.855	96.37	95
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_		-				1	sthority (R)		
_	T STATE	itractor				100		12	
ZH	IONGHENG CONSTRUCT	TION GROUP IN	TERNATIC	ONAL	B.N. CON	SULTANCK	PVT. LTD AN	D IN JOINT VEN D PLUS ENGIN IMANDU, NEPA	EERS &
	Checked By Engineer Dhirendra yadav	10000 CT 111	Submitte Contract N Rabindra K	lanager	Expert Qty Surve H.K. Mandal/Rajan	eyor/CSE	* Biratnegel	Approved Team Lea Giresh Ch	der



			Summary Sheet of		1011	Mon Yes	ar		oruary 2020
			Location:-R	ani-prajatantra	a marg	Type Mate		Sub	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remar
1	RUDP-SG-01	Rani-prajatantra marg.(0+100)	Existing Road	10-Feb-20	1.990	8.30	10,90	8.59	
2	RUDP-SG-02	Rani-prajatantra marg,(0+250)	Existing Road	10-Feb-20	1.982	7.50	8.12	8.38	
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		Contractor			Conse	ultant			-
zно		STRUCTION GROU	JP INTERNATIONAL TD	WITH B.N. COM	SIGN AUTHORIT NSULTANCY PV HTECTS (P) LTD	T. LTD A	ND PL	US ENG	INEER
		1	h	Herener	Biratn	0.001 *	A		/
R	hecked By Engineer rendra yadav		Submitted By Contract Manager Rabindra kr. Thakur	Verifie	ed By Surveyor/CSE Jajan Shrestha		Team	ved By Leader n Chanc	



					et of Field De		Month	Febru	ary
			Loop	tion: Do	al avalatantu		Year	202	
			Loca	Moistur	ni prajatantra e content %	a marg Density(	Type of Material gm/cc)	Sub-G Compac	
Sn.	Lab.Ref.no	Testing Date	Chanage		Field MC%	Max.Dry densit	y Field Dry density,	Compaction	Specifie
1	RUDP-SG-FD-1, L/S	13-Feb-20	0+040	8.30	6.98	1.990	gm/cc 1.917	% 96.33	95
2	RUDP-SG-FD-1, C/L	13-Feb-20	0+100	8.30	6.96	1.990	1.917	96.23	95
3	RUDP-SG-FD-1, R/S	13-Feb-20	0+180	8.30	6.61	1.990	1.910	97.01	95
4	RUDP-SG-FD-1, C/L	13-Feb-20	0+220	8.30	6.15	1.990	1.910	96.68	95
5	RUDP-SG-FD-1, R/S	13-Feb-20	0+240	8.30	6.29	1.990			
6	RUDP-SG-FD-1, L/S	and the second se					1.969	97.78	95
N	KUDP-50-FD-1, L/S	13-Feb-20	0+270	7.50	7.31	1.982	1.921	96.94	95
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ZH	IONGHENG CONSTRUC	TION GROUP	INTERNAT	IONAL	B.N. CO	ONSULTANCY PV	T. LTD AND PL	US ENGINEER	RS &
	ENGINER				A	ARCHITECTS (P)	LTD, KATHMAN	DU, NEPAL	
-	and the					13	15		-
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	Engineer		mitted By ract Manager			ified By Surveyor/CSE		Approved By	
	Dhirendra yadav		ira Kr. Thaku			al/Rajan Shrestha		Team Leader Giresh Chand	
	and a second							Gitesii Citala	



ab.Ref no.	Location of Sample R-3,(5+300)	Source of Sample Existing Road	Date of Testing 16-Feb-20	MDD 1.970	Type Mate OMC 8.40		Sub CBR% 6.60	grade Remarks
	Sample							Remark
RUDP-S-01	R-3,(5+300)	Existing Road	16-Feb-20	1.970	8.40	11.83	6.60	
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6	Contractor				nsultan	-		
ENGIN	EERING CO. LT	P INTERNATIONAL D	VENTURE WIT PLUS ENG	H B.N. C	ONSULT & ARCH	TANCY HITECT	PVT. L'	TD AND
ked By		Submitted By Contract Manager	Verified By		inegat.			/
			H.k. Mandal/Rajan	Shrestha				
ia yadav	*		<u>[rt.k. Mandal/Kajan :</u>	Shrestna		Giresh	Chand	
	NGCONSTR	NG CONSTRUCTION GROUI ENGINEERING CO. LT	NG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD	Red By Submitted By Contract Manager Keed By Submitted By Contract Manager	Red By Submitted By Contract Manager Contract Manager	Red By Submitted By Contract Manager Ket Manager	Aced By Submitted By Contract Manager Contract Manager	Red By Submitted By Contract Manager Contract Manager Contract Manager Contract Manager Contract Manager



							Month	Febra	
				Locatio	n. D 2		Year	202	
-		-		Moistur	e content %	Densit	Type of Material y(gm/cc)	Sub-G Compac	
						Max.Dry	Field Dry	Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	density	density,	Compaction	Specifie %
1	RUDP-SG-FD-1, L/S	16-Feb-20	5+300	0.40	7.90	gm/cc	gm/cc	%	
2	RUDP-SG-FD-1, L/S	16-Feb-20 16-Feb-20		8.40	7.89	1.970	1.892	96.03	95
3	RUDP-SG-FD-1, L/S	16-Feb-20	5+350 5+400	8.40 8.40	7.75	1.970	1.879	95.40	95
2	KUDF-50-FD-1, L/5	10-Feb-20	5+400	8.40	7.70	1.970	1.895	96.21	95
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711	ONGHENG CONSTRUCT	0.0.0	NTERNAS	IONIA	BUILDING	DESIGNAL	Consultant THORITY (P) I	TD IN JOINT	VENTUP
LIN	ENGINEE	RING CO. LTD	TERNAT	IONAL	WITH B.N. C	ONSULTAN	CY PVT. LTD A	ND PLUS ENG	GINEERS
-	TION BROUP INTERNATIONS	A			ARC	CHITECTS	P) LTD, KATH	MANDU, NEP	AL,
	Cant GUDED age		1		, Cra	1 3	A AN	/ /	
	2/4		4		Man		Biratnagal	90	
	Checked By		Sub P.	Dei				0	
	Engineer		Submitted Contract Ma		Verifie Expert Qty Su			Approve Team La	
	Dhirendra yadav		Rabindra Kr		H.K. Mandal/Ra	ijan Shrestha		Giresh C	



	]	REGIONAI	Biratnagar M Contract No:-	EVELOPMENT Metropolitan City RUDP/ICB/BRT-02 of Monthly Test Report	PRO	OJE	СТ		
						Mor			oruary
						Уе Тур	ar		2020
1		Leasting (Ch. t.	Locat	ion:-T2L19V	-	Mate	rial	Sut	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-SG-01	T2L19V,(0+050)	Existing Road	4-Feb-20	1.998	7.70	8.69	8.40	
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		Gibble Contractor							
- No	NGHENG CON	STRUCTION GROUN NGINEERING CO. L	PINTERNATIONAL TD Submitted By Contract Manager Jabindra kr. Thakur	BUILDING DESIGN AUTH WITH B.N. CONSULTANC ARCHITECTS (P) Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha	PVT. L	nt P) LTD ID AND THMAN BOBT		ENGINE EPAL ved By eader	ERS &
	Inchenging for the second seco	STRUCTION GROUP	Submitted By Contract Manager	BUILDING DESIGN AUTH WITH B.N. CONSULTANC ARCHITECTS (P) World By Expert Qty Surveyor/CSE	Consulta ORITY ( PVT, L LTD, KA	nt P) LTD ID AND THMAN BOBT	PLUS I DU, NI Approv Team L	ENGINE EPAL ved By eader	ERS &
	Inchenging for the second seco	STRUCTION GROUP	Submitted By Contract Manager	BUILDING DESIGN AUTH WITH B.N. CONSULTANC ARCHITECTS (P) World By Expert Qty Surveyor/CSE	Consulta ORITY ( PVT, L LTD, KA	nt P) LTD ID AND THMAN BOBT	PLUS I DU, NI Approv Team L	ENGINE EPAL ved By eader	ERS &
	Inchenging for the second seco	STRUCTION GROUP	Submitted By Contract Manager	BUILDING DESIGN AUTH WITH B.N. CONSULTANC ARCHITECTS (P) World By Expert Qty Surveyor/CSE	Consulta ORITY ( PVT, L LTD, KA	nt P) LTD ID AND THMAN BOBT	PLUS I DU, NI Approv Team L	ENGINE EPAL ved By eader	ERS &



						<u>v Test</u>	Month	Febr	
			Land	ion:-T2L	1017		Year	20	
-			Locat		re content %	Dens	Type of Material ity(gm/cc)	Sub-C Compac	
-					to content 70	Max.Dry			
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	density gm/cc		Compaction %	Specifie %
1	RUDP-SG-FD-1, R/S	6-Feb-20	0+030	7.70	7.20	1.998	1.950	97.59	95
2	RUDP-SG-FD-1, L/S	6-Feb-20	0+050	7.70	7.15	1.998	1.929	96.53	95
3	RUDP-SG-FD-1, R/S	6-Feb-20	0+100	7.70	7.51	1.998	1.912	95.68	95
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	*						Sutharity	DA	
-	(Contraction)						( NOT	100	
ZH	Congheng construct	TON GROUP IN RING CO. LTD	TERNATIO	NAL	B.N. CON	SULTANC	Consultant HORITY (P) LTD Y PVT. LTD ANI S (P) LTD, KATH	<b>PLUS ENGINE</b>	ERS &
	24	*	h	1	Manda	7	Biretna	and	
	Engineer Dhirendra yadav		Submitte Contract M Rabindra Kr	lanager	Verified I Expert Qty Surve I.K. Mandal/Rajan S	eyor/CSE		Approved Team Lead Giresh Cha	ler



	1 01 1
Sn.     Lab.Ref no.     Location/Chainage     Source of Sample     Date of Testing     MDD     OMC       1     PUDPSG01     P.16(0)1100     P.16(0)100     P.16(0)100 </th <th>PI% CBR% Remark</th>	PI% CBR% Remark
1         RUDP-SG-01         R-16,(0+110)         Existing Road         1-Feb-20         1.880         10.90           1         RUDP-SG-01         R-16,(0+110)         Existing Road         1-Feb-20         1.880         10.90           1         Image: Second Sec	7.80 8.41
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ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING COLLTD BUILDING DESIGN AUTHORITY VENTURE WITH B.N. CONSULTAL PLUS ENGINEERS & ARCHITI KATIMANDU, NE	NCY PVT. LTD AND ECTS (P) LTD,
Engineer Contract Manager Expert Qty surveyor/CSE Te	pproved By am Leader
Gi Rabindra Kr. I nakur  H.k. Mandal/Rajan Shrestha Gi	resh Chand



	REG	IONAL	URBA	N DE	EVELOP	MENT	PROJ	ECT	
			Biratna Contrac	agar M et No:- F	etropolita RUDP/ICB/I of Field Density	n City BRT-02			
			1			F	Month	Febr	
_			Loc	ation:-R-	16	T	Year ype of Material	20. Sub-G	
				Moistu	re content %	Density	(gm/cc)	Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specified %
1	RUDP-SG-FD-1, L/S	3-Feb-20	0+060	10.90	9.88	1.880	1.803	95.92	95
2	RUDP-SG-FD-1, R/S RUDP-SG-FD-1, L/S	3-Feb-20	0+110	10.90	9.49	1.880	1.814	96.48	95
4	RUDP-SG-FD-1, L/S	3-Feb-20 3-Feb-20	0+150 0+210	10.90	10.68	1.880	1.803	95.91	95
	1001 0010 1,100	5-100-20	01210	10.90	10.05	1.880	1.822	96.90	95
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		ROUP WILLINAT	ş			1	Authority /		
ZH	IONGHENG CONSTRUCT	tractor ION GROUP IN RING CO. LTD	TERNATIO	NAL	BUILDING DES B.N. CON AR	SIGN AUTHO	VT. LTD AND	IN JOINT VEN PLUS ENGINE MANDU, NEPAI	ERS &
	Checked By Engineer Dhirendra yaday		Submitte Contract M Rabindra Kr	anager	Hervied I Export Qty Sorve	yor/CSE	* Biratnugal	Approved I Team Lead	er
	a chorner gader		Naunitia Kr	markur	<u>I.K. Mandal/Rajan S</u>	nrestha		Giresh Cha	nd



Location:-N-8         Year           Sn.         Lab.Ref no.         Location/Chainage         Source of Sample         Date of Testing         MDD         OMC         P1% CBR           1         RUDP-SG-01         N-8.(0+080)         Existing Rbad         3-Feb-20         1.990         8.20         10.48         8.33           -	
Location:-N-8     Type of Material     S       Sn.     Lab.Ref no.     Location/Chainage     Source of Sample     Date of Testing     MDD     OMC     PI%     CBR/       1     RUDP-SG-01     N-8.(0+080)     Existing Road     3-Feb-20     1.990     8.20     10.48     8.33       1     RUDP-SG-01     N-8.(0+080)     Existing Road     3-Feb-20     1.990     8.20     10.48     8.33       1     RUDP-SG-01     N-8.(0+080)     Existing Road     3-Feb-20     1.990     8.20     10.48     8.33       1     RUDP-SG-01     N-8.(0+080)     Existing Road     3-Feb-20     1.990     8.20     10.48     8.33       1     RUDP-SG-01     N-8.(0+080)     Existing Road     3-Feb-20     1.990     8.20     10.48     8.33       1     I     I     I     I     I     I     I     I       1     I     I     I     I     I     I     I     I       1     I     I     I     I     I     I     I       1     I     I     I     I     I     I     I       1     I     I     I     I     I     I     I       1	b grade
Sn.     Lab.Ref no.     Location/Chainage     Source of Sample     Date of Testing     MDD     OMC     PI%     CBR       1     RUDP-SG-01     N-8.(0+080)     Existing Road     3-Feb-20     1.990     8.20     10.48     8.33       1     RUDP-SG-01     N-8.(0+080)     Existing Road     3-Feb-20     1.990     8.20     10.48     8.33       1     RUDP-SG-01     N-8.(0+080)     Existing Road     3-Feb-20     1.990     8.20     10.48     8.33       1     1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1	% Remark
Contractor         Contractor         Contractor           Contractor         Contractor         Consultant           Building Design Authority (P) LTD in Joint ve With B.N. Consultant YP, UDP Second         Dial of resting	
Contractor     Contractor       Contractor     Contractor       Contractor     Consultant	
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTDE	
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ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTDE	
Checked By Engineer Dhirendra yadav Checked Ry Engineer Dhirendra yadav Checked By Engineer Dhirendra yadav Contract Manager Rabindra kr. Thakur Checked By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha Contract Manager	



			Contrac	t No:- H	etropolita RUDP/ICB/I of Field Densit	3RT-02			
			1			+	Month Year	Febr 20	uary 20
-	1	-	Loc	ation:-N			Type of Material	Sub-C	Grade
	2.2.2.2.2.	-		Moistu	ire content %	Densit Max.Dry	y(gm/cc)	Compa	ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	density gm/cc	Field Dry density, gm/cc	Compaction %	Specified %
1	RUDP-SG-FD-1, R/S	4-Feb-20	0+030	8.20	7.30	1.990	1.916	96.30	95
2	RUDP-SG-FD-1, L/S	4-Feb-20	0+070	8.20	7.14	1.990	1.920	96.48	95
3	RUDP-SG-FD-1, R/S	4-Feb-20	0+130	8.20	8.03	1.990	1.905	95.74	95
		tractor				10	wthority (P)		
ZH	IONGHENG CONSTRUCT		TERNATIO	NAL	B.N. CON	SULTANCY	PVT. LTD AND	IN JOINT VEN PLUS ENGINE MANDU, NEPAI	ERS &
	Chiccked By Engineer Dhirendra yadav		Submitte Contract M Rabindra Kr	anager	Verified E Export Qty Surve	yor/CSE	Birathagat	Approved Team Lead Giresh Cha	er
			7						



			Summary Sheet of Mo	nthly Test Report		Mon			oruary
			T	D 110		Уе: Туре			020
_ 1		Location/Chainage	Location:	-K-110		Mate	rial	Sub	grade
Sn.	Lab.Ref no.		Source of Sample	Date of Testing	MDD	OMC	P1%	CBR%	Remark
1	RUDP-SG-01	R-110,(0+150)	Existing Road	8-Feb-20	1.970	8.25	10.15	7.30	-
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ZHO	NGHENG CON El	STRUCTION GROUI	PINTERNATIONAL	BUILDING DE VENTURE WIT PLUS ENG	H B.N. C	ONSULT	ANCY	PVT. L' S (P) L1	TD AND
N. N	24		- A	Hendral	C.	Biratnag	1 V		/
	hecked By Engineer		Submitted By Contract Manager	Verified By Expert Qty Survey	or/CSE		Appro Team L	eader	
Dhir	endra yadav		Rabindra kr. Thakur					Chand	



				ing oncer	of Field Dens		Month		ruary
			Loca	tion:-R-1	10	F	Year		020
			Loca		e content %		Type of Material ity(gm/cc)		Grade Iction %
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density	density,	Compaction	Specified
1	RUDP-SG-FD-1, R/S	10-Feb-20	0+050	8.25	7.89	gm/cc 1.970	gm/cc 1.912	% 97.06	
2	RUDP-SG-FD-1, C/L		0+090	8.25	7.52	1.970	1.912	97.06	95 95
3	RUDP-SG-FD-1, L/S		0+150	8.25	7.70	1.970	1.911	96.99	95
	RUDP-SG-FD-1, C/L	10-Feb-20	0+220	8.25	7.66	1.970	1.875	95.18	95
5	RUDP-SG-FD-1, R/S	10-Feb-20	0+250	8.25	7.46	1.970	1.892	96.03	/ 95
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-	Co	tractor MATION :	1	1			Consultan		
ZH	ONGHENG CONSTRUCT		NTERNATI	ONAL	WITH B.N. C	ONSULTA	UTHORITY (P) ANCY PVT. LTI S (P) LTD, KAT	LTD IN JOINT	GINEERS &
		and the state					Biratn	2901 ×	
	ell		h		Herene	~		a	
	Checked By Engineer Dhirendra yaday		Submitte Contract M Rabindra Kr	lanager I	Verified I Expert Qty Surv I.K. Mandal/Ra	By evor/CSE		Approved By Team Leader Biresh Chand	



	February	Sub-base		Remarks	/								BUILDING DESIGN AUTHORITY (PJJJJD IN JOBNI VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHIEECTS (P) LTD, KATHMANDU, NEPAL									
				CBR%	48.60	/				>30			TTH B.N	2	Approved By Team Leader							
	Month:	Type of Material		%Id :	1.52	1				9.			URE WI		Approv							
	Mo	Tyl		OMC	523	\							VENTI TS (P)									
				MDD	2.218							Consultant	SNOT	and								
				0.075	8.38	1				4~15	hority Ipr	Cons	& ARC	* Jagan								
			Veight	1.18	20.54					5 15-37	tharit		UV (P)-I	* Biratnagar	SE							
City 8T-02			% By \	2.36	7 28.25	1				0 20-45		1	SENGI		Expert Cty Surveyor/CSE							
litan B/BF Test Re		Location :-T3L21A	tion :-T3L21A	tion :-T3L21A	passing	0 5.0	1 35.37					5 30-6			D PLUS		erified Qty Sur					
DP/IC					in mm	0 10.0	12 54,21	1	-			85 40~7			5 DESIG	12	Expert					
Met RU et of M					ion :-T3	tion :-T3	ation :-T3	ation :-T3	ation :-T3	ation :- T:	ation :-T.	Sieve Size in mm / passing % By Weight	.5 20.0	31 69.12		+	+		95 50-		BUILDING 1	ILDING PVT. I
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			S	37.5	0 90.31		100	BU														
iratn ontra Summa			-		-20 100	-	+	+					ч		By lager							
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Locat		Date of Testing	8-Feb-20					Spec. Limit :			RNATIONA	Submitted By	EQ						
						Source of Sample	Chisang Khola							Contractor	DNSTRUCTION GROUP INTE ENGINEERING CO. LTD	Common of	Ŭ å					
			I ocation of	Sample	T3L21A							Conti	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL	ta tu, # Zhuo								
				Lab.Ref no.	RUDP-SB-01								ZHONGHEN	1	Checked By Engineer Dhirendra Yadav							
	_		-	Sn.	-										Che							



							Month	F	ebruary
			Locati	on:-T3	L21A		Year Type of Material		2020 ub-Base
					e content %	Den	sity(gm/cc)		paction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.D densit	ry Field Dry	_	
1	RUDP-SB-FD-1, R/S	10-Feb-20	0+040	5.25	5.97	2.218		97.46	95
2	RUDP-SB-FD-1, L/S	10-Feb-20	0+060	5.25	5.13	2.218	3 2.149	96.90	95
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	Contrac	tor				(	Consultant (ity /	P.S.	
	ZHONGHENG CONST INTERNATIONAL ENGI	RUCTION GRO	DUP LTD	BUILDI B.Y	N. CONSULTA	ANCY PV	ITY (P) LTD IN . T. ETD AND PL LTD, KATHMAN	US ENGIN	EERS &
_	Canto M. OTI On		-	-		_	12	15	
					, A		* Biratn	80.81	1
		1			Som			~/	
-	Alla	H		N.	Run			X	
	eeked By	Submitted By			Verified By			Approve	d By
		Contract Manage abindra Kr. Thak			rt Qty Surveyor fandal/Rajan Sh			Team Le Giresh Cl	ader
mile	nura rauav Ka	aomura Kr. Thak	ur	[	ranuai/Rajan Sr	irestna		Giresh Ci	nand



~	February	2020	Sub-base		Remarks				1										BUILDING DESIGN AUTHORITY (P) LTD NAJOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		
					CBR%	56.00		49.00		5	T	T			1	>30			TH B.N.	2	Approved By Team Leader Giresh Chand
	th:	ar.	rial		PI%	1.25	0.23	NP	1.70							< 9>			RE WI	0	Approve Team Le Giresh Cl
	Month:	Year	1ype of Material		OMC	6.20		5.25											/ENTU		
					MDD	2.226		2.214										Itant	DINT		
					0.075	8.04	5.16	96.6	6.72	1						4~15		1P,Cousultant	ALCON DUS	14 # 10	
				/eight	1.18	16.56	16.64	16.33	18.06	2						15-37		authority 1	V (P) L	* Biranagar &	stha
City RT-02				% By W	2.36	27.03	22.74	24.46	26.19							20-45		ALL N	ENGR	and a	Vehified By Expert Qty Surveyor/CSE H.K. mandal/Rajan Shrestha
litan CB/BH Test B				passing	5.0	33.46	32.78	35.30	33.61							30-60			N AUT		By urveyor I/Rajar
DP/IC			-12	Sicve Size in mm / passing % By Weight	10.01	\$ 57.89	1 57.07	58.91	\$ 57.95							65-95 50-85 40-75 30-60 20-45 15-37			DESIG	an Quant	Verified By Expert Qty Surveyor/CSE H.K. mandal/Raian Shr
Met			n :-R	ve Size i	5 20.0	6 73.83	5 73.34	2 73.93	72.18				_			5 50-8			PVT. L1	and the	Exper
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Location :-R-12	Sic	37.5	91.36	91.06	91.72	11.86							659			BUII		
iratn ontra			Lo		<sup>g</sup> 63.0	100	100	100	100							: 100			-		r ger ikur
a o «	1				Date of Testing	13-Feb-20	13-Feb-20	14-Feb-20	14-Feb-20							Spec. Limit :			CRNATIONA	Con the second	Submitted By Contract Manager Rabindra Kr. Thakur
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report					Source of Sample	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola									Contractor	ZHONGHENG CONSTRUCTION GROOP INTERNATIONAL ENGINEERING CO. ETD	4 100 55	CO CO Rab
				Location of	-	R-12,(1+000)	R-12,(1+100)	R-12,(1+200)	R-12,(1+300)									Cont	CONSTRUCTI	No Dan	
					Lab.Kei no.	RUDP-SB-01	RUDP-SB-02	RUDP-SB-03	RUDP-SB-04										ZHONGHENG	A	Checked By Engineer Dhirendra yadav
		_		0	on.	1	2	3	4							11	-			CX.	Dhire

						-	Month Year	F	ebruary 2020
			Loca	tion:-R	-12	-	Type of Material		Sub-Base
					e content %		ty(gm/cc)		paction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density	Field Dry density,	Compac tion	Specifier %
1	RUDP-SB-FD-1, L/S	16-Feb-20	0+950	6.20	5.55	2.226	2.176	97.74	95
2	RUDP-SB-FD-1, C/L	16-Feb-20	1+00	6.20	5.01	2.226	2.165	97.28	95
3	RUDP-SB-FD-1, R/S	16-Feb-20	1+060	6.20	4.65	2.226	2.139	96.08	95
4	RUDP-SB-FD-1, L/S	16-Feb-20	1+120	6.20	5.44	2.226	2.150	97.09	95
5	RUDP-SB-FD-1, C/L	16-Feb-20	1+200	5.25	5.29	2.214	2.166	97.81	95
6	RUDP-SB-FD-1, R/S	16-Feb-20	1+250	5.25	5.98	2.214	2.154	97.30	95
7	RUDP-SB-FD-1, L/S	16-Feb-20	1+320	5.25	5.40	2.214	2.147	96.78	95
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-	Contrac	tor					nsultant		
1	ZHONGHENG CONSTR INTERNATIONAL ENGI	RUCTION GRO NEERING CO.	UP LTD	BUILDIN B.N	. CONSULTA	NCY PVT.	Y (P) LTD IN JO LTD AND PLU D, KATHMAN	S ENGIN	EERS &
	Constant in and	/				13	×		
					~	+B	iratnagal		
		Λ		. GA			0	2	
0	214	hi		Allo			4	a	
Ehn	Ecked By	Submitted By		Verified E	Зу		1	Approve	
		ontract Manage		Expert Qty	Surveyor/CSE		/	Team Le	ader
hirer	ndra yadav Ra	abindra Kr. Thak	ur	H.K. man	dal/Rajan Shre	estha	1	Giresh C	hand



	February	2020 Sub-base		Remarks								BUILDING DESIGN AUTHORITY (P)LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		
				CBR%	47.00	1			>30			TH B.N. ATHMA	95	Approved By Team Leader Giresh Chand
	ith:	ar cof rist		%Id	1.80	١			9>			RE WI JD, K	0	Appr Tean Gires
	Month:	Type of Material		OMC	5.90	1						TENTU		
				MDD	2.232	1					Itant	OINT V		
			F	0.075	11.02				4~15		Consultant	ARCI		
			inht		17.54					(P)	1	COLT CERS &	TRUE	tha
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Sieve Size in mm / passing % Bv Weight	2.36	24.94	1			65-95 50-85 40-75 30-60 20-45 15-37	marity IP)		ORTY	* Birginana	Verified By Qty Engineer/CSE H.K. Mandal/Rajan Shrestha
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			assing 9	5.0	33.93				30-60		1	PLUS	2	Verified By Oty Engineer/CSE andal/Rajan Shre
P/IC		44	mm / no	10.0	53.61	1			40~75			DAND	Va	Ver Oty Er Aandal
RUD of Mor		-R	Size in	20.0	70.04				50-85			DING D	de la	H.K. N
No:-		Location :-R-44	Sieve	37.5	89.20	1			65-95			BUILI		
ntract		Loc		63.0	100	1			100					er
Cor				Date of Testing	16-Feb-20				Spec. Limit :			GRNATIONAL	0	Submitted By Contract Manager Rabindra Kr, Thakur
				Source of Sample	Chisang Khola						Contractor	SZY	an ITD sk	Co Co
				Sample Sample	R-44,(0+100)						Cont	ENGINEERI	/	
				Lab.Ref no.	RUDP-SB-01							ZHONGHENC	/ "0	Checked By Engineer Dhirendra yadav
				Sn.	I								-	Dhird



			summary	Sheet of	Field Density	Test	Month	E.	bruary
							Year		2019
_			Loca	tion:-R			Type of Material		ab-Base
				and the second se	e content %	Dens	ity(gm/cc)	Comp	paction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density		Compac tion	Specified %
1	RUDP-SB-FD-1, L/S	18-Feb-20	0+040	5.90	5.55	2.232	2.187	97.99	95
2	RUDP-SB-FD-1, C/L	18-Feb-20	0+080	5.90	5.01	2.232	2.218	95.35	95
3	RUDP-SB-FD-1, R/S	18-Feb-20	0+130	5.90	5.23	2.232	2.149	96.26	95
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	Contrac	tor				0	onsultant	1	
1	ZHONCHENG CONSTI INTERNATIONAL ENGI	NEERING CO.	UP LTD	BUILDIN B.N	. CONSULTA	UTHORIT	TY (P) LTD IN J . LTD AND PLU TD, KATHMAN	OINT VEN	ERS &
1	ecked By	A		A	and and		Biratnaw	X	/
		Submitted By ontract Manage	er	Expe	Verified By rt Qty Surveyor,	/CSE		Approved Team Lea	



	February	2020 Sub-base		Remarks	1									BUILDING DESIGN AUTHORITY P. D. LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. ETD AND PEUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	1	BA
				CBR%	47.80	1					>30			URE WI	P	Approved By Team Leader Giresh Chand
	Month:	Year Type of Material		%Id :	1.60	1.33	>				99			VENT		Approve Team L Giresh (
	M	Ty		OMC	6.00			Ц.						LJOINT EERS & PAL		
				MDD	2.228	,							ltant	JORITY P) LTD IN JOI AND PEUS ENGINEER KATHMANDU, NEPAL		
				0.075	5.59	6.14					1 4~15		Consultant	PEUS I		
			Weight	1.18	7 22.05	0 22.38					50-85 40-75 30-60 20-45 15-37	(P) L	1	D AND KAT	Biratnagat	 CSE restha
T-02		Jaro	Sieve Size in mm / passing % By Weight	2.36	9 31.37	8 34.60					0 20-4	(hority (P)		VIS. HI	Bira	Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-0' Summary Sheet of Monthly Test Report		tra N	/ passing	0 5.0	6 40.19	5 39.78					75 30~6	1		3 DESI	~	Verified By ert Qty Surveyo andal/Rajan S
opoli P/IC		afan	in mm	0 10.0	69 59.36	15 61.55			+	++-	85 40~7			SULTA	30	Expert
RUD of Moi		Prai	eve Size	5 20.0	78 72.69	11 74.15			+	++-	 95 50~			BUCON	Org	H H
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Rani-	Si		0 89.78	0 91.11			-		0 65~95				-	
ntrac		-: uo	H	ng 63.0	100	100			+	+	 it : 100			Ŧ		8y ager hakur
Co SI		Location :-Rani-Praiatantra Maro		Date of Testing	16-Feb-20	16-Feb-20					Spec. Limit :			GRNATIONA	M	Submitted By Contract Manager Rabindra Kr. Thakur
				Source of Sample	Chisang Khola	Chisang Khola							actor	NG COLP INTERNATIONAL		. Co Ral
			I ocation of		Rani-Prajatantra marg.(0+120)	65							Contractor	ZHONGHENG CONSTRUCTION GROUP I		
				Lab.Ref no.	RUDP-SB-01	RUDP-SB-02								ZHONGHENG	A	Checked By Engineer Dhirendra yadav
				Sn.	-	2									V	Dhire Dhire

		C	ontract ]	No:- RL	tropolitan JDP/ICB/I Field Density	3RT-02			
			Summary	Sheet of	Field Density	viest	Month		bruary
							Year		2020
		Locati	on:-Rar	ni-Praia	tantra Ma	rg T	vpe of Material		ib-Base
				Moistur	e content %		y(gm/cc)		paction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density	Field Dry density,	Compac	Specified %
1	RUDP-SB-FD-1, L/S	18-Feb-20	0+040	6.00	5.90	2.228	2.151	/96.56	95
2	RUDP-SB-FD-1, C/L	18-Feb-20	0+080	6.00	5.42	2.228	2.168 /	/97.29	95
3	RUDP-SB-FD-1, R/S	18-Feb-20	0+10	6.00	5.52	2.228	2.135	95.84	95
4	RUDP-SB-FD-1, L/S	18-Feb-20	0+150	6.00	6.50	2.228	2.147	/96.38	95
5	RUDP-SB-FD-1, C/L	18-Feb-20	0+130	6.00	6.50	2.228	2.147	96.52	95
6	RUDP-SB-FD-1, R/S	18-Feb-20	0+180	6.00	5.98			/	
7						2.228	2.183 /	97.98	95
1	RUDP-SB-FD-1, L/S	18-Feb-20	0+260	6.00	5.40	2.228	2.163	97.07	95
						1			
-	Contrac	tor					sultant		
	ZHONGHENG CONSTI INTERNATIONAL ENGINE	CTION GRO		BUILDIN B.N	. CONSULTA	UTHORITY ANCY PVT CCTS (P) LTI	(P) LTD IN J LTD AND PLU D, KATHMAN	S ENGINI	EERS &
En		Submitted By ontract Manag abindra Kr. Thak			Verified By rt Qty Surveyor dal/Rajan Shre		Siratnogut	Approved Team Lea Giresh Ch	ider



	February	2020	Sub-base		Remarks	/											BUILDING DESIGN AUTHORITY OPLITD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ABCHITECTS (P) LTD, KATHMANDU, NEPAL				1
					CBR%	50.60	1	Þ		T				>30			TH B.N.		P	Approved By	I cam Leader Giresh Chand
	Month:	Year	Material		P1%	1.06	16'0	V						99			RE WI		V	Appr	Gires
	Mo	Y	Mar	-	OMC	5.80	-	•									VENTL TS (P)				
				-	CICIM	2.212										ultant	JOINT				
					0.075	8.63	-							4~15	1	Consultant	A AR				
				Veight	1.18	17.18	18.79							15~37	A IPI		V-(P)J	Pananal I			stha
City tT-02				% By V	2.36	25.74	26.05							20-45	warity (P)		HORI	100		By	n Shre
ILAN B/BF Fest Re				passing	5.0	34.58	33.67			11	1			5 30-6(		1	N AUT			Verified By	ury vur al/Raja
DP/IC			8-26	in mm /	0 10.0	0 53.10	1 52.71	1					++	 5 40~7			DESIG	So	8	>	H.K. Mandal/Rajan Shrestha
Meth - RUI			-: u0	Sieve Size in mm / passing % By Weight	5 20.0	70 66.00	53 64.01	1	$\parallel$	++	++	++	++	 5 50-8			LDING	(	Sta	×	H.K.
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Location :-R-26	Si	0 37.5	0 90.70	0 90.53							65-9		Ц	BUI				
iratno			Ĕ		ng 63.0	100	100		$\mathbb{H}$	++	+	++	++	 it : 100						, A	akur
a C N					Date of 1 count	17-Feb-20	17-Feb-20							Spec. Limit: 100 65-95 50-85 40-75 30-60 20-45 15-37 4-15			RNATIONAL	0	K	Submitted By	Rabindra Kr. Thakur
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report				Council of Councilo	and march on a sumpor	Chisang Khola	Chisang Khola									actor	GROUP INTERNATIONAL				Ral
				Location of	Sample	R-26,(0+150)	R-26,(0+250) .									Contractor	30	A THE WALL			
				I ah Ref no	OIL INCOME	RUDP-SB-01	RUDP-SB-01										ZHONGHEN		AN A	Checked By Fnoineer	Dhirendra Yadav
				Sn	-	1	-												X	Che	Dhiren



			Summary	Sheet of	Field Density	v Test	Month	E.	bruary
							Year	-	2020
			Loca	tion:-R			Type of Material		ib-Base
	200000			the second s	e content %	Densi	ty(gm/cc)	Comp	paction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density	Field Dry density,	Compac tion	Specifie %
1	RUDP-SB-FD-1, R/S	19-Feb-20	0+050	5.80	5.92	2.212	2.150	97.18	95
2	RUDP-SB-FD-1, C/L	19-Feb-20	0+080	5.80	5.22	2.212	2.116	95.68	95
3	RUDP-SB-FD-1, L/S	19-Feb-20	0+140	5.80	5.14	2.212	2.140	96.75	95
4	RUDP-SB-FD-1, C/L	19-Feb-20	0+200	5.80	5.47	2.212	2.164	697.82	95
5	RUDP-SB-FD-1, R/S	19-Feb-20	0+290	5.80	5.29	2.212	2.143	96.30	95
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-	Contract	or				Con Con	sultant		
1	ZHONGHENG CONSTR INTERNATIONAL ENGIN	UCTION GRO NEERING CO.	UP LTD	BUILDIN B.N	. CONSULTA	NCY PVT.	Y (P) LTD IN JO LTD AND PLU D, KATHMAN	S ENGINE	ERS &
						# Birat	nayar	/	/
	reked By incer C	Submitted By		Na	Kerified By			Approved	Ву
		ontract Manager bindra Kr. Thaku			t Qty Surveyor/ andal/Rajan Shi			Team Lea	der



	February 2020	Sub-base		Renarios											BUILDING DESIGN AUTHORITY (PLLTB IN JOINTY ENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITYGTS (PLLTD, KATHMASDC, NEPAL		
	-	- 50	Num -	CBRS	47.50	V					-		>30		B.B.N. C		Approved By Team Leader Gresh Chand
	-	5. ž		blan	3	V							× 0	-	UE WIT	K	Approv Team L Gresh
	Months	Type of Material		OWO	6.20	Y									ENTUR		-
				MDD	2 2 2 2	1								1	Sunday 1		
				0.075	3.96	V	T	Ħ	Ħ				4-15	Constitutes	TD IN J	)=};	
			cight	1.18	11-17	1	T						15-31	1	V (PLL	1	stha
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Steve Size in nun / passing % By Wright	2.36	36.14	1							50-85 40-75 30-40 20-45 15-37		HORIT		Verified By Expert City Surveyor/CSE H.K. Mandal/Rajan Shrestha
B/BR fest Re			pussing	5.0	12.64	1							30-00		EUA N		Verified By Expert Cty Surveyor/CSE H.K. Mandal/Rajan Shr
DP/IC nthb/			n mm /	10.0	51.85	X.						-	5 40-75		DESIG	50	Verified By Spert Oty Surve
- RUI		8-7	w Size i	20.0	65.844 5	~	++		-	_					UDING	(Or	Equal H
Contract No:- RUDP/ICB/BRT-0 Summary Sheet of Monthly Test Report		Location :-N-8	Sie	37.5	65.33	X			11				56-39		BUD		
ummar		ocatio		63.0	100	N			-				100		-		jer ger
5		La	-	Link of Testing	11-Feb-20								Spec. Limit :		RNATIONAL	1	Submitted By Contract Manager Ratingter Ka. Thakas
				Source of Sample	Chiseng Khola									Cantractar	ZHONCHENG CONSTRUCTION GROUP IN LERNATIONAL ENGINEERING CO. LTD		. 81
			Location of	-	N-8,40+090									Can	CONSTRUCTO ENGINEER		
				Lab. Net no.	RUMP-Shurt										ZHONCHENG		Chicked By Engineer Divendra yadan
			-	\$	-							T	1				NI/A m S

			Loc	ation:-	N-8	Т	Month Year ype of Material		ebruary 2020 ub-Base
				Moistu	e content %		y(gm/cc)	Com	paction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC0/	Field MC%	Max.Dry	Field Dry	Compac	Specified
_				Olvic 70		density	density,	tion	%
1	RUDP-SB-FD-1, R/S	the second s	0+040	6.20	5.81	2.232	2.138	95.80	95
2	RUDP-SB-FD-1, L/S		0+080	6.20	6.03	2.232	2.132	95.50	95
3	RUDP-SB-FD-1, R/S	15-Feb-20	0+170	6.20	5.81	2.232	2.153	96.44	/ 95
_									
_							-		
						Authorit	PIPI		-
					/	ese la	121		
-	ZHON CHENG CONSTI INTERNATIONAL ENGI	RUCTION GRO	DUP LTD	BUILDI B.	NG DESIGN AN N. CONSULTA ARCHITES	UTHORITY NCY PVT. I	TD AND PLU , KATHMANI	S ENGINE	ERS &
En	erked By gineer ndra yadav	Submitte Contract M Rabindra Kr.	anager			stha		Approve Team Lea Giresh Cl	ader



	February	Sub-base		Remarks	/	/						BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHHECTS (P) LTD, KATHMANDU, NEPAL		- Ag
				PI% CBR%	49.00		2			>30		ATHM	AK	Approved By Team Leader Giresh Chand
	ith:	e of criat			1.89	1				9		RE WI	0	Appro Team Giresh
	Month:	Type of Material		OMC	6.45							VENTU TS (P) J		
				MDD	2.228	1					ltant	SELEC	The	
				0.075	8.60					4~15	thority Consultant	ED IN	* Indentionity	
			eight	1.18	16.19	1					(hortry	V (P) L	Blieft	stha
T-02			Sieve Size in mm / passing % By Weight	2.36	24.79	-				50-85 40-75 30-60 20-45 15-37	V	HORIT	101	Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan-Shrestha
B/BR			assing %	5.0	35.24	1				30-60		AUTH PLUS 1	1	Verified By t Qty Surveyo ndal/Rajan S
P/IC		ŝ	mm / pa	10.0	54.07					40~75		DAND	120	Vel Pert Qt
RUD		R	Size in	20.0	62.69	1				50~85		JING D	Or	H.K. N
BITATINAGAT METOPOILLAIL CITY Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location :-R-3	Sieve	37.5	88.12	1				65~95		BUILI		
tract		Loc		63.0	100	1				100	Π			r r
Con				Date of Testing	11-Feb-20					Spec. Limit :		BRNATIONAL	0	Submitted By Contract Manager Rabindra Kr. Thakur
			_	Source of Sample	Chisang Khola						Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL	A JUN GRO	Co Rab
			I amation of	-	R-3,(5+680)	-					Cont	CONSTRUCTION GROUP IN THIS THIS CONSTRUCTION CROUP IN THIS THIS CONSTRUCTION CONTRACTION	ON GROUP INTERNATION	
				Lab.Ref no.	RUDP-SB-01							ZHONGHENG	- Cur	Enecked By Engineer Dhirendra yadav
				Sn.	-									Dhir



Page 106 of 194

			Summary	Sheet of	Field Density		Month	E.	bruary
						-	Year		2020
			Loc	ation:-F	2-3	Т	ype of Material		ib-Base
				Moistur	e content %		y(gm/cc)		action %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density	Field Dry density,	Compac tion	Specified %
1	RUDP-SB-FD-1, L/S	13-Feb-20	5+650	6.45	5.55	2.228	2.142	96.16	95
2	RUDP-SB-FD-1, C/L	13-Feb-20	5+700	6.45	5.01	2.228	2.135	95.85	95
3	RUDP-SB-FD-1, R/S	13-Feb-20	5+750	6.45	5.23	2.228	2.123	95.28	95
3	RUDP-SB-FD-1, L/S	13-Feb-20	5+800	6.45	5.29	2.228	2.165	97.32	95
			2.000	0.10		2.220	2.105	11.54	
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			-	-					
-	Contract	tor	-	-			MOTITY (P)		
_	Contrac	iur,				Con	sultant	1	
	ZHONGHENG CONSTR			BUILDIN B.N	NG DESIGN A	UTHORITY NCY EVT.	(P) LTD IN J	OINT VEN	TURE WIT
	INTERNATIONAL ENGI	REALING CO.	LID				D, KATHMAN		
	Stonouz % 200.03 20					13	A. A.A.	/	
		1				~	Giratnaya		
					λ			/	-
		1		C	No.			a	
	W-	11		Jail	69			0	
				ACT.	V			~	
	ecked By	Sulfmitted By		c,	Verified By			Approved	d By
		ontract Manage abindra Kr. Thak			rt Qty Surveyor dal/Rajan Shre			Team Lea Giresh Ch	



	February	2020	Sub-base		Remarks												BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHIFECTS (P) LTD, KATHMANDU, NEPAL			~	p
					CBR%	50.00	1		Ħ		Ħ		T	>30			TH B.N. ATHMA	X	-	Approved by Team Leader	Giresh Chand
	th:	-	of rial		%Id	1.95	0.95	1						< 9>			RE WI JD, K	0		Tean	Gires
	Month:	Year	1 ype of Material		OMC	5.80											VENTU				1
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02	-				MDD	2.224	1									ltant	SUTTO	Vi			
					0.075	6.50	7.41	1	Ħ	T	T			4~15	1	Another Consultant	TD IN.	Siratnegar +			
				cight	1.18	16.28	15.52	1		T						1-1042	Y (P) L	* Dinat			stha
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02	100			Sieve Size in mm / passing % By Weight	2.36	36.94	, 25.28	1						50-85 40-75 30-60 20-45 15-37		1	HORIT	0		r/CSE	n Shre
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02				assing <sup>6</sup>	5.0	43.51	34.64							30-60			N AUT			<ul> <li>Verified By</li> <li>Expert Qty Surveyor/CSE</li> </ul>	H K Mandal/Raian Shrestha
opol				1 mm / b	10.0	57.90	46.00							5 40~75			DESIG	2		verified By spert Qty Surve	Manda
Metr-RUI	014 10			e Size it	20.0	66.39	56.09							50-85			DING	Sh	de la	Exper	HK
igar t No:			110	Siev	37.5	87.97	88.22							65~95			BUII		"		
ratna	minar		:-R-]		63.0	100	100							: 100			-			ger	thur .
			Location :-R-110		Date of Testing	16-Feb-20	16-Feb-20							Spec. Limit :			ERNATIONAL	0	pla	Submitted By Contract Manager	Dahindea Kr. Thabur
					Source of Sample	Chisang Khola	Chisang Khola									Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTH		:	° °	Dat
				I contion of	_	R-110,(0+120)	R-110,(0+200)									Con	G CONSTRUCT	Ņ			
					Lab.Ref no.	RUDP-SB-01	RUDP-SB-02										ZHONGHEN	1	A A	Checked By Engineer	Dhirendra vadav
	_				Sn.	-	2							11					re/	е ш	Dhin



			Summary	Sheet of	f Field Density	Test	Month	Ea	bruary
							Year		2020
_			Loca	tion:-R			ype of Material		ib-Base
		-		the second se	re content %		y(gm/cc)		paction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density	Field Dry density,	Compac tion	Specified %
1	RUDP-SB-FD-1, R/S	18-Feb-20	0+040	5.80	5.32	2.224	2.113	95.01	95
2	RUDP-SB-FD-1, L/S	18-Feb-20	0+080	5.80	5.97	2.224	2.144	96.41	95
3	RUDP-SB-FD-1, R/S	18-Feb-20	0+120	5.80	5.49	2.224	2.168	97.48	95
4	RUDP-SB-FD-1, L/S	18-Feb-20	0+200	5.80	5.45	2.224	2.174	97.73	95
5	RUDP-SB-FD-1, R/S	18-Feb-20	0+250	5.80	4.51	2.224	2.156	96.94/	95
- 0									
				-		119	Y (PILLA		
	ZHONCHENG CONST INTERNATIONAL ENGINE	RUCTION GRO	UP LTD	BUILDI B.	NG DESIGN A N. CONSULTA ARCHITE	UTHORITY NCY PVT 4	(P) LTD IN JR (P) LTD IN JR LTD AND PLU D, KATHMANI	S ENGINE	ERS &
En		Submitted By Contract Manage abindra Kr. Thak			By Surveyor/CSE dal/Rajan Shree	tha	Birato	Approved Team Lea Giresh Ch	ader



	February	2020 Sub-base		Remarks									BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHERECTS (P) LTD, KATHMANDU, NEPAL		
				CBR%	47.90	1		T			>30		TH B.N.	-	Approved By Team Leader Giresh Chand
	th:	ar of rial			0.84	1					< 9>		RE WI .TD, K	C	Approv Team I Giresh
	Month:	Type of Material		OMC PI%	6.35	1							/ENTU		
				DDD	2.226							Itant	C SILLEC	2	
				0.075	6.12		T	T			4~15	P/Consultant	TD IN	Aliatnayar *	
			cight		18.56		T	T			15-37	1 Villon	K (P) L	* Bira	Estha
T-02			6 By W	2.36	25.07	1					20-45	1	ENGIN	Intro	By eyor/CS
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Sieve Size in mm / passing % By Weight	5.0	37.06	1					100 65-95 50-85 40-75 30-60 20-45 15-37 4-15		NAUTH		Kort Oty Surveyor/CSE H.K. Mandal/Rajan Shrest
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		1-1	1 mm / p	10.0	53.26	-					40~75		DESIG	3	Expert Cty Surveyor/CSE H.K. Mandal/Rajan Shrestha
-RUI of Mo		N-: n	e Size ir	20.0	66.64	1					50-85		DING	8	HK
t No:-		Location :-N-7	Siev		86.70	1					65-95		BUIL		"
ntrac		Lot		63.0	100	1									er kur
0 8				Date of Testing	11-Feb-20						Spec. Limit :		ERNATIONAL	0	Submitted By Contract Manager Rabindra Kr. Thakur
				Source of Sample	Chisang Khola							Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL RNGINEERING CO. 1370		. Co Co Rat
				-	N-7,(0+090)				-			Cont	CONSTRUCTION ENGINEERING	)	
				Lab.Ref no.	RUDP-SB-01								ZHONGHENC	M	Encked By Engineer Dhirendra yadav
				Sn.	1										Dhin B



			Summary	Sheet of	Field Density	Test	No. 2		
						ł	Month Year	P	ebruary 2020
_			Loc	ation:-N			Type of Material	5	Sub-Base
	and an annual of				e content %	Dens	ity(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	15-Feb-20	0+050	6.35	5.90	2.226	2.127	95.53	95
2	RUDP-SB-FD-1, C/L	15-Feb-20	0+090	6.35	5.42	2.226	2.134	95.87	95
3	RUDP-SB-FD-1, R/S	15-Feb-20	0+130	6.35	5.52	2.226	2.136	95.96	95
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_				_		10	thority (P) (1)		
-	Contract	tor				60	nsultant	1	
1	ZHONGHENG CONSTRUCTIONAL ENGIN	DUCTION GRO VEERING CO.	UP LTD	BUILDIN B.N	. CONSULTA	NCY PYT.	RP) LTD IN JO LTD AND PLU D, KATHMAN Biratn <sup>2</sup> 9 <sup>31</sup>	S ENGINI	EERS &
					Hart				/
	alit			10	and and			N	
CM	ated By	Sul Ad		1	5				
Eng	Gineer Co	Submitted By ontract Manage	r	Exper	Verified By t Qty Surveyor/	CSE		Approved Team Lea	
		bindra Kr. Thaku			al/Rajan Shre			Giresh Ch	



	February	2020 Suh-hase	2000 DBD	Remarks						1						BUILDING DESIGN AUTHORITY (P) LTD IN JONT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		and the second s
				CBR%	34.90	1								>30		TH B.P.	X	Approved By Team Leader Giresh Chand
	th:	Jo	rial	%Id	1.66	1								9		RE WI	~	Approved Team Lea Giresh Ch
	Month:	Type of	Mate	OMC	5.08	1										/ENTU		
				MDD	2.221				Π		Π			11	Itant	ENO J	A.M.	
			-	0.075	9.89	-		1	Ħ	1	Ħ			4~15	Nority (P)	DINJ	Biramanar	
					19.39	-			Ħ		Ħ				1 AL	(P) LI	and and	tha
-07				37.5 20.0 10.0 5.0 2.36 1.18	30.44	-	T							65~95 50~85 40~75 30~60 20~45 15~37	-	ORIT		Verified By Expert Qty Surveyor/CSE Mandal/Raian Shrest
Contract No:- KUDP/ICB/BKT-4 Summary Sheet of Monthly Test Report				5.0	36.45	-	T		Ħ	f	Ħ			30~60		AUTH PLUS E		Verified By rt Qty Surveyo ndal/Raian Si
/ICB				10.0	47.56	-			Ħ	T	Ħ			40~75		ESIGN	2	Ver Dert Qt
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		0.		20.0	64.97	1				T	T			50~85		T. LTE	S.	Verified By Expert Qty Surveyor/CSE H.K. Mandal/Raier, Shrestha
NO:- H		I contion . D 77	IIOII	37.5	88.63	1								65~95		BUILD		/
nary S		000	FUL	63.0	100	1	Ħ	T	Ħ	T	Ħ			100				
Sumn		0		Date of Testing	4-Feb-20									Spec. Limit :		RNATIONAL	01	Submitted By Contract Manager Rabindra Kr. Thakur
				Source of Sample	Chisang Khola					5					Sector	NG CO. LTD		. OC
				Location of Sample	R-27,(0+100)										Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL SENGINEERING CO. LTD	)	
			-	Lab.Ref no.	RUDP-SB-01											ZHONGHE	1	Checked By Engineer Dhirendra Yadav
				Sn.	-													Dhire

			Sum	uary Suc	et of Field De	Mo	nth	Fet	oruary
						Ye			2020
-		-	Location		re content %	Type of 1			o-Base
Sn.	Lab.Ref.no	Testing Date	Chainage		1	Density(gm/ Max.Dry density	Field	Compactio	action %
	Labriterino	resting bute	Chanage	OMC%	Field MC%	gm/cc	Dry	n	Specified
1	RUDP-B-FD-1, LHS	5-Feb-20	0+045	5.08	4.31	2.221	2.144	96.53	% 95
2	RUDP-B-FD-1, RHS		0+110	5.08	4.40	2.221	2.120	95.46	95
3	RUDP-B-FD-1, LHS	5-Feb-20	0+145	5.08	4.58	2.221	2.145	96.58	95
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	NUCTION GROUP	MATIONA				5	1-	ā	
	ZHONGHENG CONST	RUCTION GRO	UP	CONSU	LTANCY PVT	AUTHORITY (P) L . LTD AND PLUS E	ID IN JO	S& ABCHIT	E WITH B.N.
1	NTERNATIONAL ENGI		LTD	00.100	STRUCT I VI	KATHMAND	U, NEPA	ARCHIT	C15(r) L1D,
_	NUNCE N	and corum a			-	18	- + /		1
				(	20	Dirati	16.8		/
		1		. >6	30			0./	
	all	4		de	5			y	
	Checked By	Submittee		Vori	fied By				1.0.
	Engineer	Contract Ma			Surveyor/CSE			Approve Team Le	
	Dhirendra Yadav	Rabindra Kr.			dal/Rajan Shre	stha		Giresh Cl	



	February	2020	Sub-Dase	-	Remarks													BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS& ARCHITECTS (P) LTD, KATHMANDU, NEPAL	-	-	
				10000	CBR%	35.80		5		T				Ħ	>30			TH B.N. ATHMA	ak	/	Approved By Team Leader Giresh Chand
	:H:	of	ial	, ura	P1% (	1.94	-			1	r				< 9>	1		RE WI TD, K	0		Appr Tean Gires
	Month:	Type of	Mater	0000	OMC	5.50	1											TENTU S (P) L			
				-	CICIW	2.226	1			T				Ħ			1 and	DINT V	-		
				T	0.075	12.58	-		1	T					4~15		1	TD INJOINT	A INTO		
				ight	1.18	18.36	-		T	T	T		1	Ħ	15~37		martly (	( (P) L7	as allamagar		Etha
rty				Sieve Size in mm / passing % By Weight	2.36	27.87	+	T		T	T			T	20-45		1	ORITY	NON NON	-	Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
An Ci BRT (BRT				ssing %	5.0	35.79	-		T						30~60			AUTH			Expert Qty Surveyor/ H.K. Mandal/Rajan Shr
All Tes		-	70F	mm / pa	10.0	47.42					~				40~75			ESIGN	Vale	>	pert Qt Aandal
etrol RUDP Month			131	Size in 1	20.0	65.50	1								50~85			T. LTI	02	%	H.K. N
ar M Vo:- F			-: uo	Sieve	37.5	88.73	1								65-95 50-85 40-75 30-60 20-45 15-37 4-15			BUILI			
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Location :-13L26E	Ī	63.0	100	1			T					100						ur
Bira Cont			Ч		Date of Testing	2-Feb-20									Spec. Limit :			RNATIONAL	11 -	ph -	Submitted By Contract Manager Rabindra Kr. Thakur
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report					Source of Sample	Chisang Khola					. Ale							CONTRACTOR COTTON CROUP INTE DECTION CROUP I			Co
				Location of	Sample	T3L26E,(0+100)		•									Cont	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO.LTD	Citanos		
	-			-	Lab.Ref no.	RUDP-SB-01												ZHONGHE		Me	Engineer Dhirendra Yadav
					Sn.	-														all	Dhin

Regional Urban Development Project (RUDP)

			Sum	nary Site	eet of Field De	ensity res	Mo			oruary
		T	ocation:	T21 26	F	-	Ye			.020
-		L	ocation:		re content %	Da	Type of nsity(gm	Material		action %
Sn.	Lab.Ref.no	Testing Date	Chainage				y density		Compactio	Specified
				OMC%	Field MC%		/cc	Dry	n	%
1	RUDP-B-FD-1, RHS	3-Feb-20	0+020	5.50	5.13		226	2.134	95.86	95
2	RUDP-B-FD-1, LHS	3-Feb-20	0+060	5.50	5.25	2.2	226	2.158	96.93	95
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	Contrac	CTOP CONNATIONAL		9		1.8	Consu	Itant		
	Seven un an	AND NALES		BUIL	DING DESIGN	AUTHO	PITY (P)-	TOINT	OINT VENTUR	E WITH B N
	ZHONGHENG CONST INTERNATIONAL ENGL	RUCTION GR		CONSU	LTANCY PV	<b>F. LTD AN</b>	D PLUS 1	INGINEE	RS & ARCHITI	ECTS (P) LTE
	HONOHZ *	BING OF UD.				XA	THMANI	DU, NEPA	L	
						1	Biratnas	art		
		1			Can					/
	- 14	lha	1	3	En C				av	
	Checked By	Submitte	d By	Ver	ified By				Approve	d By
	Engineer	Contract M	lanager	Expert Qty	Surveyor/CSE				Team Le	
_	Dhirendra Yadav	Rabindra Kr	. Thakur	H.K. Man	dal/Rajan Shr	estha			Giresh C	hand



	January	2020	Sub-base		Remarks											BUILDING DESIGN AUTHORITY (P) LIPPIN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEDRY & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		
					CBR%	49.60			1			Ħ		>30		TH B.N. ATHMA	K	Approved By Team Leader
	ith:	ar	rial		%ld	68.1	1							9>		RE WI .TD, K		Approved Team Lea
	Month:	Year	Anterial		OMC	6.45	1									VENTU IS (P) I		
					MDD	2.228	1								Itant	OINT		
					0.075	9.16	1		1		Ħ	T		4~15	Consultant	REAL	IV	
				eight	1.18	16.80	1							15-37	1191	K (P) L	tungat	
City (T-02				Sieve Size in mm / passing % By Weight	2.36	25.23								20-45	VIIIohi	HORIT	o* Biratmegat *	Verified By Export Qty Surveyor/CSE
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report				assing 9	5.0	38.25	1							30-60		PLUS	1 C	Verified By Export Qty Surveyor/CSE
opoli P/IC			-16	mm / b	10.0	58.22	1							40~75		DESIG		Verified By xport Qty Surve
Metr- RUL			1 :-R.	e Size in	20.0	75.70	1							50-85		DING J	30	Expor
t No:-			Location :-R-16	Sieve	37.5	91.87	1							65-95		BUIL	0 %	P
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Loc		63.0	100	1							100				er
					Date of Testing	9-Feb-20								Spec. Limit : 100 65-95 50-85 40-75 30-60 20-45 15-37 4-15		CRNATIONAL	10	Submitted By Contract Manager
				1.00	Source of Sample	Chisang Khola									Contractor	ZHONGHENG CONSTRUCTION CROUP INVERNATIONAL ENGINEERING CO. LTD	CHON GROUP INTERNA	
				I ocation of		R-16,(0+150)									Cont	CONSTRUCTS		
					Lab.Ref no.	RUDP-SB-01										ZHONGHENC	hi	Engineer
	_	_	-		Sn.	-												14

							Month	Fel	bruary
					10		Year	-	2020
-			Loca	tion:-R	-16 e content %	n	Type of Material		b-Base
÷	Lab.Ref.no	T	01.1			M. D.	sity(gm/cc)		action %
Sn.	Lab.Kel.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density		Compac	Specifie %
1	RUDP-SB-FD-1, L/S	10-Feb-20	0+080	6.45	5.55	2.228		95.37	95
2	RUDP-SB-FD-1, C/L	10-Feb-20	0+120	6.45	5.01	2.228		97.05	95
3	RUDP-SB-FD-1, R/S		0+190	6.45	4.65	2.228		96.61	95
4	RUDP-SB-FD-1, L/S	10-Feb-20	0+220	6.45	5.29	2.228		96.89	95
								1	
-									-
							-		
						AUT	ority (P)		
						15/	1.6.1		
	ZHONGHENG CONSTI INTERNATIONAL ENGI	RUCTION GRO		BUILDIN B.N	. CONSULTA	UTHORI	onsultant TY (P) LTD IN J I. LTD AND PLI TD, KATHMAN	<b>US ENGINE</b>	ERS &
En	Tecked By Igineer C	Submitted By contract Manage			y Surveyor/CSE dal/Rajan Shr		Yatnogar 2	Approved Team Leau Giresh Ch	der



	x			Remarks													/		BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTDAND PLUS ENGINEERS & ARCHITECTS (b) LTD, K&THMANDU, NEPAL		By	and
	February 2020	Base	CDD	%	90.00	1										1	>80		NTUR & ARC		Approved By	I eam Leader Giresh Chand
				CR	82.46	1										/	>80		NT VE CERS	N	Appr	Gir
			_	%	25.78												<35		N JOIN VGINH			
		erial		Fl and El %	20.90/18.31	1											< 35		GN AUTHORITY (P) LTD IN JOIN GN AUTHORITY (P) LTD IN JOIN CY PVT. LTD AND PLUS ENGINEI (D) LPD, K&THMANDU, NEPAL			
	Month	Type of Material		FI %	31.00 20			+	+	-	+	+	+	1		+	< 45	- I and the	CONSUMATIN			
3		Ty	-	P1%	NP 3	1		+	-	-	+	-		1		1	V	C	A STATE	P*		
				OMC	5.75	1							/						GN AUTH CV PVT.J	Sireinager *	-	stha
				DOM	2.251	1							1						RIGN	118		Export Qty Surveyor/USE H.K. Mandal/Rajan Shrestha
ort				0.075	5.59							1	1				2-10		IC DE	Z	Verified By	ty survi lal/Raja
Contract No: RUDP/ICB/BRT-02 mmary Sheet of Monthly Test Rep			cight	9.0	13.26	-						1					26-55 21-53 12-28		ILDIN	Bu	Z	sport Q
ICB/B			ng By We	2.36	24.44	1					/	/					21-53		BU B.N.	1	1	H.K
f Mont		110	% passi	4.75	34.82						1						26-55		CO.			
Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		-R-:	Sieve Size in mm / % passing By Weight	10	47.16	1					/						40-70		CRING	02	d By	Countact Manager Rabindra Kr.Thakur
ontrac nary S		tion	Sieve Siz	20	65,42	1											62-92		GINER	-	Submitted By	conuact manager Rabindra Kr.Thakur
Sumi		Location:-R-110		31.5	90.31	1											100 85-100 62-92		T ENG		-S	Rabi
			-	40	9 100		_	-		1	-	-	-			-	_		TONA			
			Data of	Testing	23-Sep-19				1								Spec. Limit :		ERNAT			
				mple	nola				1								SF	Contractor		-		
				Source of Sample	Chisang Khola			/										Cor	CTION GROUP WITHING			
			Location of	Sample	R-110,(0+150)		/	/											ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO.		d By	u yadav
				Lab.Ref no.	RUDP-B-01	1	1												IONGHENG	the	Checked By	Dhirendra yadav
		and putcher		S.N.	-											1			ZH			



February, 2020

					tion:-R-110		Month Year ype of Material	Febru 20: Ba	20 se
Sn.	Lab.Ref.no	Testing Date	Chainage		re content % Field MC%	Max.Dry	(gm/cc) Field Dry	Compaction	Specifie
1	RUDP-B-FD-1, R/S	25-Feb-20	0+090	5.75	5.70	density 2.251	density, 2.250	% 99.96	% 98
2	RUDP-B-FD-1, C/L	25-Feb-20	0+180	5.75	5.11	2.251	2.233	99.22	98
3	RUDP-B-FD-1, R/S	25-Feb-20	0+250	5.75	5.68	2.251	2.227	98.93/	98
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-	Contrac	etor		-		, iCon	sultant		
1	ZHONGHENG CONST NTERNATIONAL ENGIN	RUCTION GRO NEERING CO.	DUP LTD	BUILDI CONSUL	NG DESIGN AU TANCY PVT. L'	TD AND PLU	P) LTD IN JO S ENGINEER NDU, NEPAI	INT VENTURE RS & ARCHITE	WITH B. CTS (P) L
	Checked By Engineer	Submitte Contract Ma			ified By Surveyor/CSE	R# Bira	tnagar # "	Approved By Team Leader	
	Dhirendra yadav	Rabindra Kr.	Thakur	H.K. Mand	lal/Rajan Shrest	ha		Giresh Chanc	1



			Remarks						BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. (ETD AND PLUS ENGINEERS & ARCHITECTS (P)LTDEKATHMANDU, NEPAL		By der ind
February	2020	Base	CBR		1		>80		NTUR	~	Approved By Team Leader Giresh Chand
4			CR	85.18	1		>80		T VE NGIN NEP	C	App Tear Gire
			ALV	20.53	1		< 35		JOIN JUS E NDU,		
		-	Fl and El %	22 30/17.86			22		NI Q. Id QN HMA		
Month	Year	Type of Material					< 35	Consultant	(P) L1 TD AI		
W	1	Type o	LAA		++		< 45	Cons	VT.E	STA Y	
5 -	-	-	OMC PI%	5.00 NP					UTHOI NCY P	biratmagat *	
			MDD ON	2.250 5.0			-	1	LTAN		/CSE irrestha
LIKI				7.48 2.2			2-10		DING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE B.N. CONSULTANCY PVT. (ETD AND PLUS ENGINEERS & ARCHITECTS (P) LTDERATHMANDU, NEPAL		Export Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
IL II				-	1				ING D N. CC	12	Verifie Qty Su indal/R
City CIty RT-02 st Rep		A	Weight	4 15.11	2		3 12-28		B	R	Export K. Ma
OF olitar CB/BH CB/BH		L21	sing By	0 31.14			26-55 21-53	4		-	E
UKBAIN DE VELUTMEIN Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location:-T3L21A	1%	5 40.30	+ +		0 26-5		). LTD		
UE ar Mo vo: Rl		ion	a in mm	52.65	1.		40-70		IG CO	0	ed By fanager Thaku
AIN tract n tract n		ocat	Sieve Siz	66.30	+ +		62-92		ERIN	A	Submitted By Contract Manager Rabindra Kr.Thakur
Bira Bira Con		T		88.18	1		85-100		GINE		St Con Rabi
N N				100	++		100		AL EN		
REGIONAL UKDAN DEVELUTMENT TRUJECT Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Date of Testing	11-Feb-20			Spec. Limit : 100 85-100 62-92		ATTERNATIONAL ENGINEERING CO. LTD		
KEC			Source of Sample	Chisang Khola			-Sr	Contractor	GROUP INTERN	NOTION BROUP WITEINNITION	
			Location of Semula	T3L21A.(0+040)					ZHONGHENG CONSTRUCTION GROUP	- The	Checked By Engineer Dhirendra yadav
			Lab.Ref no.	RUDP-B-01					ONGHENG	18	Eng Eng
			S.N.	-					HZ		-



February, 2020

			Loca	tion:-T3			Month Year pe of Material	Febr 20 Ba	20 se
Sn.	Lab.Ref.no	Testing Date	Chainage	Moistu OMC%	re content % Field MC%	Density Max.Dry	Field Dry	Compaction	Specifie
1	RUDP-B-FD-1, R/S	14-Feb-20	0+020	5.00	5.52	density 2.250	density, 2.232	9% 99.21	% 98
2	RUDP-B-FD-1, C/L	14-Feb-20	0+050	5.00	5.70	2.250	2.247	99.87	98
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									-
_						- diter of			
-	Contrac	TERM				Stathor Cott	J.a.I		
I	ZHONGHENG CONST NTERNATIONAL ENGI	RUCTION GRO NEERING CO.	UP LTD	BUILDI CONSULT	NG DESIGN AU FANCY PVT. L	<b>FD AND PLU</b>	) LTD IN JO SENGINEER NDU, NEPAL	INT VENTURE IS & ARCHITE	WITH B.M CTS (P) L1
		0		G	A.	* Biratnat	131 #	/	
	Di	In		Jun				ar	
	Engineer	Submitte		Ver	ified By			Approved By	
	Dhirendra yadav	Contract Ma Rabindra Kr.	Thakur	Expert Qty : H.K. Mand	Surveyor/CSE al/Rajan Shrest	ha		Team Leader Giresh Chand	



				Kemarks											T	BUILDING DESIGN ADTHORITY (A) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. DED AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL			1
3	February 2020	Base		%			84.00					1		>80		URE ERS &	9	/	Approved By Team Leader Giresh Chand
	Feb 2	B	-	CK %	81.20		82.30	-	20.18			1		>80		VENT		0	Approve Team Le Giresh C
			4	_	23.26	22.30	19.50			20.05				< 35		DU, N			
		rial		nd El %	t6/18.20	20.30/18.97	20.02/20.44	21.78/24.72	17.44/21.11	69'61111'77				<35		L NI C			
	Month Year .	Type of Material		%	30.40 20.46/18.20	20.	31.26 20.0	21.	17.	1	+	-		<45	ltant	ALTI AN			÷ .
		Type	Die/ L.A		NP 30	-	31	NP	-	NL	X	-	-	v	Consultant	in	Urratmagar 4		
	-		a JWO	_	~		5.55	-	-		1					CY PY CY PY	Birstn		a
			daw.				2.244		1	t				+		N AU CTAN	1.21		or/CSE Shresth
비			T	0.075	7.17	7.53	8.20	7.50	8.07	00./	1	44		2-10		DING DESIGN ADTHORITY (P) LTD IN JOINT VENTURE V B.N. CONSULTANCY PVT. DED AND PLUS ENGINEERS & ARCHITECTS (P) LTD , KATHMANDU, NEPAL			Expert Oty Surveyor/CSE H.K. Mandal/Rajan Shrestha
City tT-02 t Repo			ti l	0.6	16.16	14.62	15.95	-	-	66:01		t				ING D	1	3	Veri ert Qty Mandal
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 mmary Sheet of Monthly Test Rep			3y Weigl	2.36	32.50 1	32.25	30.99 1	-	_	10010	1	F		1-53 1		B	(	Ship	Exp H.K. I
UDP/I Month			passing	4.75	43.85	41.64 3	41.20 3			40.10	1			6-55 2	F			-	
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location:-B-2	Sieve Size in mm / % passing By Weight	10	56.45	52.37	53.55	_		. /++:'0C		T		0-70 2		IEERI			Submitted By Contract Manager Rabindra Kr. Thakur
atnag ntract ary Sh		tion	/e Size in	20	70.17	63.94		-	_	60.00	-	T		2-92		ENGIN		X	Submitted By ontract Manage bindra Kr. Thal
Col		Locz	Sier	31.5	90.11	87.64 (	88.27	-	-	01.49	t	T		5-100 6		NAL			St Con Rabii
				40	-	-	-	-	-	n	1			100 8		OLLYI			
			Date of	Testing	5-Feb-20	5-Feb-20	6-Feb-20	6-Feb-20	7-Feb-20	1-1-00-70		144		Spee. Limit : 100 85-100 62-92 40-70 26-55 21-53 12-28	tor	INTERNATIONAL ENGINEERING			
			Source of Samula	contro of calible	Chisang Khola	Chisang Khoła	Chisang Khola	Chisang Khola	Chisang Khola	Citisang Minia				Spie	Contracto	CO.LT	1111 & 101 A		
			f	Sample	B-2,(0+050)	B-2,(0+120)	B-2,(0+210)	B-2,(0+280)	B-2,(0+320)	UN1410/1-0						ZHONGHENG CONSPRESSION		1	d By cer Yadav
			1 ah Ref no	L40.104 110.	RUDP-B-01	RUDP-B-02	RUDP-B-03	RUDP-B-04	RUDP-B-05	DO-T- ITON						ONGRENG		14-	Checked By Engineer Dhirendra Yadav
			N		-	2	3	-	5 4	-		14	+	-		CHC			

						Mo	nth	Feb	ruary
			-			Ye	аг		020
-		1	Locatio		-		Material		lase
	Lab Defea	Tertop	a		re content %	Density(gm			action %
1.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density		Compactio	Specified
0	RUDP-B-FD-1, LHS	8-Feb-20	0+040	5.55	4.43	gm/cc 2.244	Dry 2.216	n 98.77	% 98
	RUDP-B-FD-1,CL	8-Feb-20	0+120	5.55	5.40	2.244	2.210	98.77	98
	RUDP-B-FD-1, RHS	8-Feb-20	0+180	5.55	4.21	2.244	2.225	99.15	98
	RUDP-B-FD-1, RHS	8-Feb-20	0+200	5.55	4.12	2.244	2.221	98.96	98
	RUDP-B-FD-1, LHS	8-Feb-20	0+220	5.55	4.77	2.244	2.212	98.55	98
	RUDP-B-FD-1, R/S	8-Feb-20	0+240	5.55	5.27	2.244	2.208	98.39	98
	RUDP-B-FD-1,CL	8-Feb-20	0+280	5.55	5.40	2.244	2.202	98.11	98
	RUDP-B-FD-1, L/S	8-Feb-20	0+300	5.55	5.18	2.244	2.217	98.81	98
	RUDP-B-FD-1, R/S	8-Feb-20	0+310	5.55	5.37	2.244	2.205	98.28	98
)	RUDP-B-FD-1, R/S	9-Feb-20	0+350	5.55	5.29	2.244	2.211	98.53	98
1	RUDP-B-FD-1, C/L	9-Feb-20	0+380	5.55	4.15	2.244	2.212	98.59	98
2	RUDP-B-FD-1, L/S	9-Feb-20	0+400	5.55	4.67	2.244	2.201	98.09	98
3	RUDP-SB-FD-1, R/S	9-Feb-20	0+415	5.55	5.05	2.244	2.233	99.51	95
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-	Contras	ter		12		Consu	tant		
	ZHONGHENG CONST	- Martin		BUILI	DING DESIGN	AUTHORITY (P) 1	TD IN JO	DINT VENTURE	WITHEN
	INTERNATIONAL ENGL			CONSU	LTANCY PV1	. LTD AND PLUS E	NGINEE	RS & ARCHITE	CTS (P) LTD
1	1913in	-511	LID			KATHMAND	U, NEPA	E)	
-	Currents # .01			-		131	15	1	/
				0	11-	# Biron	anal T		/
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	Charling Bu		1.0.		find Dec				
	Dhirendra Yadav	Rabindra Kr.			dal/Rajan Shre	estha			
-		Nabiliula Nr.	IndKul	in Man	aantajan Shre	sollid		Giresh Ci	nano
	Checked By Engineer	Submitter Contract Ma	i By anager	Veri Expert Qty	fied By Surveyor/CSE	KATHMAND 8 + Birstr	U, NEPA	E)	Approve Team Le Giresh Cl



	February 2020	Base	CD av CBR	% CK 70 % Kemarks	21.13 82.88 82.00						< 35 >80 >80		INT VENTURE WITH E ENGINEERS & U, NEPAL	K	Approved By Team Leader Giresh Chand
	Month	Type of Material	N IN THE IN	% F1 and E1 70	NP 28.80 21.52/21.88						< 45 < 35	an In Consultant	DESIGN AUTHORITY (P) LTD IN JOINT VENT ONSULTANCY PYE, LTD AND PLUS ENGINEI ARCHITECTS (P) LTD, KATHMANDU, NEPAL	* 10.00	
B/BRT-02 v Test Report			and and	0.6 0.075 MILLI UMC	30.16 14.82 2.96 2.242 5.70 1	1/1/1/1		-			-53 12-28 2-10	di mi	BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVF, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	ANY AND	K Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location:-N-38	Sieve Size in mm / % passing By Weight	31.5 20 10 4.75	100 91.58 64.38 53.72 37.13 30	1 1 1 1 1					Spec. Limit: 100 85-100 62-92 40-70 26-55 21-53 12-28		INTERNATIONAL ENGINEERING	Ű	Submitted By Contract Manager Rabindra Kr. Thakur
			Courses of Councils	adume to some	) Chisang Khola 3-Feb-20						Spec. Limit :	Contractor	STRUCTION GROUP INTERN		
			c N I ah Daf an Location of	TOTI TAXLOR	RUDP-B-01 N-38,(0+090)		*						ZHONGHENG CONSTRUCTION GROUP		Greeked By Engineer Dhirendra Yadav



			Sumn	nary She	et of Field De	ensity Test Mo	oth	Eab	ruary
						Ye			020
-			-		tion:-N-38	Type of I	Material	B	lase
				Moistu	re content %	Density(gm/			action %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density		Compactio	Specified
1	RUDP-B-FD-1, RHS	4-Feb-20	0+060	5.70	5.68	gm/cc 2.242	Dry 2.210	n 98.56	<u>%</u> 98
2	RUDP-B-FD-1, CL	4-Feb-20	0+000	5.70	5.03	2.242	2.210	98.91	98
3	RUDP-B-FD-1, LHS	4-Feb-20	0+170	5.70	5.12	2.242	2.224	99.20	98
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-	Contra	ctor		-		and the second se	ltant %	1	
	SCHON GROOT MAL	INATIONAL		30.00	all com	131	1.	E	August and a
	ZHONGHENG CONST	RUCTION GRO	DUP	BUIL	DING DESIGN	AUTHORITY (P) I	LTD IN JO	OINT VENTUR	E WITH B.N.
	INTERNATIONAL ENG		LTD	CONSU	LIANCY PV	F. LTD AND PLUS I KATHMANI	U. NEPA	E & ARCHITI	ECIS (P) LID
	SHONONZ # "C	III DO ON				TEL	/	5/	1
						P * Bi	atnapat		/
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	all	bad		20	Nº N			K	
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	Checked By Engineer	Submitte Contract M			ified By Surveyor/CSE			Approve Team Le	
	Dhirendra Yadav	Rabindra Kr			dal/Rajan Shr	estha		Giresh C	
-									



	N			CBK Remarks	82.20										0		BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		/	By der and	
	February	2020 Base	-	CR%	82.15 82			+		+	-	-	+		>80 >80		NTUR		К	Approved By Team Leader Giresh Chand	
				ALV. C	19.73 8			1		t	1				< 35		NT VE ENGI			Ap Te	
				Fl and El %	19.55/20.26			T		T	-		T		1		IO I OI NI I O				
	Month	. Year Type of Material	L							-					< 35	tant	LTD				
	N	Type	-	PI% 2%	NP 33.54	+		-	-	+		_		11	<45	Consul	H.H.H.	A TO			
	Ц	-	-	OMC PI	5.65 N	-		+		+		-				nority (P/Consultant	DING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE V B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	Birathanal		e	
			F	MDD	2.250	_	X	T		T						1011	NAUT			Expert Oty Surveyor/CSE H.K. Mandal/Rajan Shrestha	
ort			-	0.075	7.20	-	1			T				01.0	01-7		DESIG			ified By Survey URajan	
RT-02 st Rep			ght	0.6	18.79	-				T	-			96 61	07-71		B.N. C	1	0	Ver bert Qty Manda	
ICB/B			g By Wei	2.36	26.69		1							21.53	CC-17		BUILI	(	59	HK	
Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		4	Sieve Size in mm / % passing By Weight	4.75	33.72	35.53	/							25.26	CC-07					ar	
ct No: ]		Location - R-4	in mm /	10	61.01	60.53								40-70	0/-04		INEER		0	Subnitted By Contract Manager Rabindra Kr. Thakur	
Contrac mary 5		catio	Sieve Size	20	72.33	70.11	1							10-03	76-70		ENG		1	Surfact ontract bindra H	
Sum		1,o		31.5	89.38	87.57	1							85-100	001-00		IONAI			Ra	
			H	40	100	100	1		-			-		100	101		RNAT				
			Date of	Testing	1-Feb-20	2-Feb-20								Snec. Limit: 100 85-100 62-07 40-20 76-55 71-53 12-28		tor	INTERNATIONAL ENGINEERING				
			100 Mar 100 Mar	Source of Sample	Chisang Khola	Chisang Khola					7			Spi		Contractor	RUCTION GROUP				
			1 ocation of	Sample	R-4,(0+280)	R-4,(0+410)										0	ZHONGHENG CONSTRUCTION GROU		1	d By cer Yadav	
				Lab.Ref no.	RUDP-B-01	RUDP-B-02											IONGHENG		MO	Glecked By Engineer Dhirendra Yadav	
		_		S.N.	-	2											ZH				



			oun	liary Site	et of Field De	Mo	oth	Feb	ruary
						Ye	ar		020
					ation:-R-4				lase
Sn.	Lab.Ref.no	Tertine Dete	<b>CI</b> .	Moistu	re content %	Density(gm/			action %
SII.	Lab.Kel.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density	Field	Compactio	Specified
1	RUDP-B-FD-1, L/S	3-Feb-20	0+280	5.65	5.13	gm/cc 2.250	Dry 2.209	n 98.18	98
2	RUDP-B-FD-1, C/L	3-Feb-20	0+310	5.65	5.59	2.250	2.209	98.97	98
3	RUDP-B-FD-1, R/S		0+360	5.65	5.21	2.250	2.213	98.37	98
4	RUDP-B-FD-1, C/L	3-Feb-20	0+390	5.65	6.88	2.250	2.211	98.25	98
5	RUDP-B-FD-1, L/L	3-Feb-20	0+410	5.65	6.87	2.250	2.243	99.67	98
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	Contrac					Consul	tant		
1	ZHONGHENG CONST INTERNATIONAL ENG	RUCTION GRO	DUP LTD	BUILI CONSU	DING DESIGN LTANCY PVT	AUTHORITY (P) H T. LTD AND PLUS E KATHMAND	NGINEE	<b>RS &amp; ARCHITH</b>	E WITH B.N. ECTS (P) L'ID
	-	Ai		Con the	pr	* Biratat	gar	X	
	Checked By	Submitte	d By	Veri	fied By			Approve	
	Engineer	Contract Ma	anager	Expert Qty	Surveyor/CSE			Team Le	ader
_	Dhirendra Yadav	Rabindra Kr.	Thakur	H.K. Man	dal/Rajan Shre	estha		Giresh C	hand



					Includins									HLIM		1	
	February	2020	Base	CBR	%	83.80	V					>80		FURE &		Approved By Team Leader Giresh Chand	
	Feb	2	H	CD 01	-	81.70	V					>80		VENT	ak	Approve Team Le Giresh Cl	
				ALV.	-	19.10	1			7		< 35		S ENG		:	
	th	L	laterial		F1 0110 E1 /0	21.91/21.88	1					<35	at	BUILDING DESIGNAUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD KATHMANDU, NEPAL			
	Month	Year	Type of Material	L.A.A.		30.64			T			< 45	sultar	TOP	~		
		1		DIO	0/11	NP				2			An In Consultant	PLTT	A TIN		
				Civic.	Note	5.90	1						400	UTHO	Birgtnag	SE stha	
				. unit	_	2.247	1							GNA	100	By eyor/CS in Shre	
y 2 port					0.075	7.52	1					2-10		DESI	;	Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha	
un Cit 3RT-0 est Re			1	ight	9.0	15.36	1			1		12-28		DING B.N. G	A	Dert O	
polits /ICB/I thly T				ig By We	2.36	23.01	1					21-53		BUIL		HRE	
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			00	Sieve Size in mm / % passing By Weight	4.75	31.16	1					26-55		SNIS		ar	
t No: 1 sheet o			Location:-R-8	in mm /	10	57.78	V					40-70		INEER	0	Submitted By Contract Manager Rabindra Kr. Thakur	
ratna ontrac narv S		•	ation	eve Size	20	75.22	1					62-92		ENG		Submit putract pindra k	
Bi C			Loc	S	31.5	90.59	1					85-100		DNAL		CC Stab	
					40	100	X					100		NATIC			
				Date of	Testing	3-Feb-20						Spee. Limit :   100   85-100   62-92   40-70   26-55   21-53   12-28	tor	INTERNATIONAL ENGINEERING		_	
				Source of Samule		Chisang Khola						Spi	Contractor	ZHONGHENG CONSTRUCTION CROUP			
				Location of	Sample	R-8,(0+060)								CONSTRUCT		d By eer Yadav	
				Lab.Ref.no.		RUDP-B-01								ONGHENG		Checked By Engineer Dhirendra Yadav	
				NS		-								HZ			



		Sum	nary Sile	et of Field D	Mo			oruary
			Loc	ation: D.9				:020
								Base action %
Lab.Ref.no	Testing Date	Chainage			Max.Dry density	Field	Compactio	Specified %
RUDP-B-FD-1, C/L	4-Feb-20	0+050	5.90	5.85	2.247	2.208	98.27	98
RUDP-B-FD-1, LHS	4-Feb-20	0+090	5.90	5.53	2.247	2.220	98.82	98
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NTERNATIONAL ENGI	INEERING CO.	DUP LTD	BUILI CONSU	DING DESIGN LTANCY PV1	<b>F. LTD AND PLUS</b>	ENGINEE	RS & ARCHITI	E WITH B.N. ECTS (P) LTD
	A		G	Or	# Birstna	C.	X	/
Obe	K		1K				0	
Checked By				fied By			Approve	d By
Éngineer Dhirendra Yadav	Contract Ma Rabindra Kr.			Surveyor/CSE dal/Rajan Shre	estha		Team Le Giresh C	
	RUDP-B-FD-1, C/L RUDP-B-FD-1, LHS	RUDP-B-FD-1, C/L 4-Feb-20 RUDP-B-FD-1, LHS 4-Feb-20 	Lab.Ref.no Lab.Ref.no Lab.Ref.no Cubreaction Contractor Checked By Cubreaction	Summary She         Lab.Ref.no       Testing Date       Chainage       Moisture         RUDP-B-FD-1, C/L       4-Feb-20       0+050       5.90         RUDP-B-FD-1, LHS       4-Feb-20       0+090       5.90         Image: Construction of the state of the sta	Summary Sheet of Field Dr.         Lab.Ref.no       Testing Date       Chainage       Moisture content %         RUDP-B-FD-1, C/L       4-Feb-20       0+050       5.90       5.83         RUDP-B-FD-1, LHS       4-Feb-20       0+090       5.90       5.93         RUDP-B-FD-1, LHS       4-Feb-20       1-1       1-1       1-1         RUDP-B-FD-1, LHS       4-Feb-20       1-1       1-1       1-1         RUDP-B-FD-1, LHS       4-Feb-20       1-1       1-1       1-1         RUDP-B-FD-1, LHS       1-1       1-1       1-1       1-1         RUDP-B-FD-1, LHS       1-1       1-1	View         Moisture content %         Density(gm           Lab.Ref.no         Testing Date         Chainage         Moisture content %         Max.Dry density           RUDP-B-FD-1, C/L         4-Feb-20         0+050         5.90         5.85         2.247           RUDP-B-FD-1, LHS         4-Feb-20         0+090         5.90         5.53         2.247           RUDP-B-FD-1, LHS         4-Feb-20         0+090         1.90         1.90         1.90         1.90           RUD-B-FD-1         1.90 <td>Summary Sheet of Field Density Teat           Location:-R-8         Month           Type of Material           Mosture content %         Density (gm/cc)           QuDP-B-FD-1, C/L         4-Feb-20         0+050         5.90         5.85         2.247         2.208           RUDP-B-FD-1, C/L         4-Feb-20         0+090         5.90         5.53         2.247         2.208           RUDP-B-FD-1, LHS         4-Feb-20         0+090         5.90         5.53         2.247         2.220           Location:-R-8         Density (gm/cc)         Dry         Dry         2.220           Location:-R-9         Density (gm/cc)         Density (gm/cc)         Density (gm/cc)           Location:-R-9         Density (gm/cc)         Density (gm/cc)         Density (gm/cc)           Location:-R-9         Density (gm/cc)         Densi</td> <td>Summary Sheet of Field Density Test           Location:-R-8         Month         Field           Type of Material         Type of Material         Compaction           Lab.Ref.no         Testing Date         Chainage         Molitice content %         Density(gm/cc)         Compaction           RUDP-B-FD-1, C/L         4-Feb-20         0+050         5.90         5.85         2.247         2.208         98.27           RUDP-B-FD-1, LHS         4-Feb-20         0+050         5.90         5.53         2.247         2.208         98.27           RUDP-B-FD-1, LHS         4-Feb-20         0+050         5.90         5.53         2.247         2.208         98.27           RUDP-B-FD-1, LHS         4-Feb-20         0+090         5.90         5.53         2.247         2.208         98.27           RUDP-B-FD-1, LHS         4-Feb-20         0+090         5.90         5.53         2.247         2.208         98.27           RUDP-B-FD-1, LHS         4-Feb-20         0+090         5.90         5.53         2.247         2.209         98.82           RUDP-B-FD-1, LHS         4-Feb-20         0+090         1         1         1         1         1         1         1         1         1</td>	Summary Sheet of Field Density Teat           Location:-R-8         Month           Type of Material           Mosture content %         Density (gm/cc)           QuDP-B-FD-1, C/L         4-Feb-20         0+050         5.90         5.85         2.247         2.208           RUDP-B-FD-1, C/L         4-Feb-20         0+090         5.90         5.53         2.247         2.208           RUDP-B-FD-1, LHS         4-Feb-20         0+090         5.90         5.53         2.247         2.220           Location:-R-8         Density (gm/cc)         Dry         Dry         2.220           Location:-R-9         Density (gm/cc)         Density (gm/cc)         Density (gm/cc)           Location:-R-9         Density (gm/cc)         Density (gm/cc)         Density (gm/cc)           Location:-R-9         Density (gm/cc)         Densi	Summary Sheet of Field Density Test           Location:-R-8         Month         Field           Type of Material         Type of Material         Compaction           Lab.Ref.no         Testing Date         Chainage         Molitice content %         Density(gm/cc)         Compaction           RUDP-B-FD-1, C/L         4-Feb-20         0+050         5.90         5.85         2.247         2.208         98.27           RUDP-B-FD-1, LHS         4-Feb-20         0+050         5.90         5.53         2.247         2.208         98.27           RUDP-B-FD-1, LHS         4-Feb-20         0+050         5.90         5.53         2.247         2.208         98.27           RUDP-B-FD-1, LHS         4-Feb-20         0+090         5.90         5.53         2.247         2.208         98.27           RUDP-B-FD-1, LHS         4-Feb-20         0+090         5.90         5.53         2.247         2.208         98.27           RUDP-B-FD-1, LHS         4-Feb-20         0+090         5.90         5.53         2.247         2.209         98.82           RUDP-B-FD-1, LHS         4-Feb-20         0+090         1         1         1         1         1         1         1         1         1



and the second sec	BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PYT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL							- 1	Remarks			
Approved By Team Leader Giresh Chand	KTURI EERS L		0 >80		_			10.18			February 2020	
App Tea Gire	T VEN NGIN NEPA		5 >80	++-	_	+++		1 27.19	_		-	
	LUS E		< 35					18.17 11.	_			
	DING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE V B.N. CONSULTANCY PYT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	nt	<35					61.02100.22	FI and EI %	faterial	r F	
3.000	P(P)1	arity (b) Consultant	< 45		*			21.10	%	Type of Material	Month	
* Biratinger *	PVT.	Co						IN				
Biratn SSE estha	ANCY	arity					<u>}</u>	00.0				
By veyor/C	ILCN /							1 /	_	-		
Expert Qiy Surveyor/CSE H.K. Mandal/Rajan Shrestha	G DES CONS ARC		8 2-10			4	$\mathbb{N}$	CC.6	-		3	ty )2 eport
K. Mar	B.N.		3 12-28					10.01	-	/eight		an Ci BRT-
	BUI		5 21-53					7.10		ng By W		opolit P/ICB/ nthly 7
y skur	RING		26-55					12.00	-	L7B		Metro RUDI of Mo
Submitted By ontract Manage	INEE		40-70					10.00	-	:-T3]		agar ct No: Sheet
Submitted By Contract Manager Rabindra Kr. Thakur	LENG		62-92					0.01	-	Location:-T3L7B Sieve Size in mm / % passing By Weight		Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report
Ra	IONAI		85-100					20.14	-	Loca		B
	UNATI		: 100					31	-			
	DUTER	tor	Spec. Limit : 100 85-100 62-92 40-70 26-55 21-53 12-28 2-10					1-1-07	Testing	Date of	4	
All the second se	HON GROUP	Contractor	Sp					Citizang Milola	source of sample			
the second secon	ZHONGHENG CONSTRUCTION & ZOUR INTERNATIONAL ENGINEERING				1.			(ana)ana	Sample	Location of		
Creeked By Engineer Dhirendra Yadav	ONGHENG							-	Lab.Net no.			
	HZ								Nrc .		- 142	



				ung one		ensity Test Mo	nth	Feb	oruary
						Ye			020
-		1	ocation:			Type of !			Base
Sn.	Lab.Ref.no	Testing Date	Chainana		re content %	Density(gm/			action %
<u>л</u> .	Lab.ixei.ilo	resting Date	Chamage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry	Compactio	Specified
1	RUDP-B-FD-1, LHS	5-Feb-20	0+045	5.00	4.48	2.248	2.212	n 98.41	% 98
2	RUDP-B-FD-1,CL	5-Feb-20	0+090	5.00	4.04	2.248	2.210	98.31	98
3	RUDP-B-FD-1, RHS	5-Feb-20	0+130	5.00	4.00	2.248	2.244	99.81/	98
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1	ZHONGHENG CONST INTERNATIONAL ENGINE	RUCTION GRO	DUP LTD	BUILI	DING DESIGN LTANCY PVT	AUTHORITY (P) I T. LTD AND PLUSE KATHMAND	NGINEE	<b>RS &amp; ARCHITH</b>	E WITH B.N. ECTS (P) L.TD
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	h	14		00				ak.	
	Decident De	Sub State			End Du			0	
	Chrecked By Engineer	Submitte Contract M			fied By Surveyor/CSE			Approve Team Le	
	Dhirendra Yadav	Rabindra Kr.			dal/Rajan Shre	estha		Giresh C	



	February 2020	Base	CBR	% CN /0 % NCINAIKS	19.34 81.32 83.80	1/1		4		< 35 >80 >80		INT VENTURE WITH ENGINEERS & U, NEPAL	Q	Approved Ry Team Leader Giresh Chand
	Month . Year	Type of Material	LAA. FILLAA	% PT PUID 11	NP 32.20 18.82/18.31					< 45 < 35	Consultant	DESIGN AUTHORITY (P) LTD IN JOINT VENT ONSULTANCY PYT, LTD AND PLUS ENGINEE ARCHITECTS (P) LTD, RATHMANDU, NEPAL	* diratingua *	
politan City ICB/BRT-02 hly Test Report			g By Weight MDD CASC	0.600 0.075	28.49 15.05 4.65 2.245 5.60			14 A		21-53 12-28 2-10		BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PYT, DTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, RATHMANDU, NEPAL	Churry Carl	Expert Oty Surveyor/CSE H.K. Mandal/Rajan Shresha
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location:-R-44	Sieve Size in mm / %	40 31.5 20 10	20 100 89.71 64.16 50.51 35.27					it: 100 85-100 62-92 40-70 26-55 21-53		ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING	4	Subhitted By Contract Manager Rabindra Kr. Thakur
			Source of Sample Date of	_	Chisang Khola 4-Feb-20			A+		Spec. Limit :	Contractor	CALLON GROUP INTERNATION		
	-4		S.N. Lab.Ref no. Location of	+	KUDP-B-01 R-44,(0+180)							ONGHENG CONSTRU		Checked By Engineer Dhirendra Yadav



			Sumi	nary She	- RUDP/IC	ensity Test		nth		ruary
						E		ar		020
-		-	Location				Type of			lase
Sn.	Lab.Ref.no	Tastine Date	Chai	Moistu	re content %	Den	sity(gm			action %
511,	Lab.Rel.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry			Compactio	Specified
1	RUDP-B-FD-1, LHS		0+160	5.60	4.52	gm/d 2.24	CC	Dry 2.211	n 98.49	% 98
	RUDP-B-FD-1, RHS	5-Feb-20	0+210	5.60	5.01	2.24		2.204	98.49	98
3	RUDP-B-FD-1, LHS	5-Feb-20	0+240	5.60	4.93	2.24		2.242	99.85	98
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	SCION GROUP INTERI			dime.	in a start of the		131		151	
	ZHONGHENG CONSTR	RUCTION GRO	UP	BUILD	ING DESIGN	AUTHORI	TY (P) L	TD IN JO	INT VENTURE RS & ARCHITE	WITH B.N.
1	NTERNATIONAL ENGI	NEERING CO.	LTD	conser	LIANCI IVI	KAT	HMAND	U. NEPAI	S & ARCHITE	CIS (P) LID.
	CMOHZ ** 100	TO STATE		-	-		10	2 x au	1	
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	all	bu		1	B				R	
	Checked By	Submittee	By	Verif	fied By				Approved	
	Engineer	Contract Ma	anager E	xpert Qty	Surveyor/CSE				Team Lea	
1.0	Dhirendra Yadav	Rabindra Kr.	Thakur	H.K. Mand	lal/Rajan Shre	stha			Giresh Ch	and



				Remarks			HLIM
	rebruary 2020	Base	CBR	%	90.00	>80	RS & RS & Chand
	rebrua 2020	Ba		CR %	83.02	>80	VENTURE V GINEERS & IEPAL
			ALV		23.07	< 35	Consultant DING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE V B.N. CONSULTANCY PYT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) ETD, KATHMANDU, NEPAL ARCHITECTS (P) ETD, KATHMANDU, NEPAL ARCHITECTS (P) ETD, KATHMANDU, NEPAL ARCHITECTS (P) ETD, KATHMANDU, NEPAL
		_		Fl and El %	22.57/21.65	<35	PLUS MAND
	Year	Type of Material			0 22.57		ant ATHD ATHD
2		Type o	TA	%	30.80	< 45	Consultant TT (P) LT TT LTD AN ETD, KATT
L				IC PI%	NP 00		A day
				MDD OMC	2.255 5.00	+++	UILDING DESIGN AUTHO B.N. CONSULTANCY ARCHITECTS (1 ARCHITECTS (1
				0:075 MI	5.08 2.2	10	SIGN SULT VISULT VISULT VISULT VISULT VISULT
-02 Report						28 2-10	ILDING DESIGN AUT B.N. CONSULTANO ARCHITECT ARCHITECT
Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Weight	6 0.6	42 13.20	40-70 26-55 21-53 12-28	Consultant BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PT1 LTD AND PLUS ENGINEERS & ARCHITECTS (P) ETD, KATHMANDU, NEPAL ARCHITECTS (P) ETD, KATHMANDU, NEPAL
DP/ICI onthly		3	Sieve Size in mm / % passing By Weight	75 2.36	33.23 24.42	55 21-	
t of M		Location:-R-3	n / % pa	4.75	-	70 26-	ERIN
act No		atio	ize in mr	10	7 57.99		AL ENGINEERIN Submitted By Contract Manager
Contr		Loc	Sieve S	20	3 73.87	0 62-9	LL EN Subri Contra
Sur				31.5	90.83	85-10	IONA
				40	0 100	: 100	LENAT
			Date of	Testing	17-Feb-20	Spec. Limit : 100 85-100 62-92	DDINN
			-	Source of Sample	Chisang Khola	S	ZHONGHENG CONSTRUCTION GROUP IN TERNATIONAL ENGINEERING CO. LTD CO. LTD CO. LTD Checked By Engine
			Location of	Sample	R-3,(5+700)		CONSTRUC
			-	Lab.Ket no.	RUDP-B-01		IONGHENG CON
			1	Z'S	-		IZ

						E	Month Year		mber 19
					ation:-R-3		Type of Material		ise
	Lab.Ref.no	T	CI. 1		e content %		ty(gm/cc)	Compa	
Sn.	Lao.Kel.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density		Compaction %	Specifie %
1	RUDP-B-FD-1, R/S	21-Feb-20	5+600	5.00	5.08	2.255	density, 2.247	99.66	98
2	RUDP-B-FD-1, C/L	21-Feb-20	5+650	5.00	5.72	2.255	2.223	99.00	98
3	RUDP-B-FD-1, R/S	21-Feb-20	5+700	5.00	5.61	2.255	2.223	99.27	98
4	RUDP-B-FD-1, L/S	21-Feb-20	5+800	5.00	5.62	2.255	2.239	99.30	98
_	Contra	tor			-	1	Consultant		-
1	ZHONGHENG CONST INTERNATIONAL ENG	RUCTION GRO	DUP LTD	BUILDI	NG DESIGN A JLTANCY PV	UTHORIT T. LTD AN	Y (P) LTD IN J D PLUS ENGIN FHMANDU, NE	EERS & ARCH	RE WITH B
	Checked By Engineer	Sulmitte Contract M		3	Verified By		Birstneriot	Approved B	У
	Dhirendra yadav	Rabindra Kr			ert Qty Surveyor andal/Rajan S			Team Leader Giresh Chan	



			Remarks						NITH	1/	,
	uary 20	se	CBR %	86.10			>80		RE V RS &	ed By	chand
	February 2020	Base	CR %	83.14			>80		ENTU	Approved By	Team Leader Giresh Chand
			A.L.V.	21.06			< 35		INT V ENG	×.	- 0
		erial	FI and EI %	18.73/17.22			< 35		BUILDING DESIGY AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		
	Month	Type of Material						ltant	P) LTI D AN KATH		
	-	Type	PI% L.A.A.	NP 31.76			< 45	Consu	TTEL	STA	
			OMC PI	5.40 N				thority (p, Consultant	HOR Y PV S (P)	Biratnagar	
			MDD O	2,249 5				Thori	TANG	Bira	Expert Qty Surveyor/CSE H.K. Mandal/Raian Shrestha
t			M 0.075				2-10		ESIGN NSUL RCHI	Jr.	Expert Qty Surveyor/CSE I.K. Mandal/Rajan Shresth
r-02 Repor			9				12-28 2		NG DI N. CO Al	Verlied By	t Qty S andal/I
B/BRJ		-	By Weight				53 12		B.I	×	Exper LK. M
Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location:-T3L13J	Sieve Size in mm / % passing By Weight 20 10 4.75 2.36 0				26-55 21-53	$\vdash$			
Contract No: RUDP/ICB/BRT-02 nmary Sheet of Monthly Test Rep		1:-T3	mm / % pa						ERIN	Byl	ager hakur
act No v Shee		atior	ize in m	N N			2 40-70		GINE	Submitted By	Contract Manager Rabindra Kr. Thakur
Contr		Loc	Sieve Si	9	+++		100 85-100 62-92		IL EN	Subr	Contra
Sur			31.5				85-10		IONA		R
			40	+++					RNAT		
			Date of Testing	25-Feb-20			Spec. Limit :	ctor	FUNTE		
			Source of Sample	Chisang Khola			s	Contractor	TION GROU	CROUP INTERNAS	
			Location of Sample	T3L13J,(0+080)	-				ZHONGHENG CONSTRUCTION GROUPINTERNATIONAL ENGINEERING	l By	cer vadav
			Lab.Ref.no.	RUDP-B-01					HONGHENG	Alteched By	Engineer Dhirendra yadav
			S.N.	-					Z		



					of Field Dens	F	Month	Febru	
			Loca	tion:-T.	3L13J	-	Year Type of Material	202 Ba	
1					e content %		ity(gm/cc)	Compac	
in.	Lab.Ref.no	Testing Date	Chainage	OMON	Field MC%	Max.Dry		Compaction	Specifie
				OMC%	Field MC%	density	density,	%	%
1	RUDP-B-FD-1,R/S	26-Feb-20	0+030	5.40	5.19	2.249	2.231	99.19	98
2	RUDP-B-FD-1,R/S	26-Feb-20	0+050	5.40	5.45	2.249	2.230	99.17	98
3	RUDP-B-FD-1, L/S	26-Feb-20	0+080	5.40	5.24	2.249	2.235	99.38	98
4	RUDP-B-FD-1,R/S	26-Feb-20	0+120	5.40	5.19	2.249	2.221	98.77/	98
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_				-		and the State	- Carl		
-	Contra OM GROUP INT	Ctor		RUILDI	C DESIGN A	UTHOPIT	Consultant TY (P) LTD IN J	OINT VENTUR	E WITH D
	ZHONGHENG CONST INTERNATIONAL ENG	RUCTION GRO	DUP				DPLUS ENGIN		
1	INTERNAL ENG	INEERING CO.	LID		~D.		THMANDU; NH		1
	Strangerene	I Salle CT DO	1		SAV	13		. /	
	h	·U		26	3	TB	(ramagat #	8	
	Checked By	Submitte	ad Ry	Vori	ified By			Approved B	
	Engineer	Contract M	lanager	Expert Qty	Surveyor/CSE			Team Leader	
	Dhirendra yadav	Rabindra Kr	. Thakur	H.K. Man	dal/Rajan Shr	estha		Giresh Chan	d



				Remarks				ITIW	1
	bruary 2020	Base	CBR	%	93.00	>80		URE RS &	ved By
	February 2020	Ba		CR %	86.26	>80		TENT	Approved By Team Leader Giresh Chand
			NIN	%	23.97	< 35		ENG U, NE	- V
	T			EI %				N JOI	
	ar	Type of Material		FI and EI %	26.98/17.71	< 35	nt	AND	
	Month Year	Type of 7	LAA	%	31.70	<45	Consultant	DESIGN AUTHORIEY (P) LTD IN JOINT VENT ONSULTANCY PVT TTD AND PLUS ENGINEI ARCHITECTS (P) LTD, KATHMANDU, NEPAL	
				PI%	AN		17	PVT: PVT:	A TRANSPORT
				OMC	5.40		nrity (P)	UTHO NCY	Strenned *
				DOM	2.247		100	CN A	ay Shree
ort				0.075	3.93	2-10		DESIONSI	Verified By Verified By art Qiy Surveyo Mandal/Rajan S
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			ght	0.6	14.55	12-28		BUILDING DESIGN AUTHORERY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT-LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
olitar CB/BI			By Weig	2.36	31.06	40-70 26-55 21-53 12-28		SUILI	Ext H.K.
etrop UDP/I Month			passing	4.75	39.31	26-55			5
ar M No: R eet of		L-N-	mm / %	10	49.42	0-70		EERI	d By anager
tract ]		Location:-N-7	Sieve Size in mm / % passing By Weight	20	65.63 4			NGIN	Submitted By Contract Manager Rabindra Kr. Thakur
Bira Con		Loca	Sieve	31.5	91.58 6	100 85-100 62-92		VAL E	Su Su Cont
S				40 3	100 91	00 85		TION	
			Date of	Testing	21-Feb-20 1	Spec. Limit : 1		TERNA	
					ola 21	Spec.	Contractor	GROUP I	net ran
				Source of Sample	Chisang Khol		Cont	FION GR	10° 01776.
			Location of	Sample	N-7,(0+100)			ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING	By adav
				Lab.Ref no.	RUDP-B-01			NGHENG	Anecked By Engineer
			-	S.N. L	1 8			ZHO	

						-	Month Year	Febru 202	
			Locat	ion:-N-'		Т	ype of Material	Ba	
				Moistur	e content %	Densit	y(gm/cc)	Compac	ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density	Field Dry density,	Compaction %	Specifie %
1	RUDP-B-FD-1, R/S	23-Feb-20	0+040	5.40	5.08	2.247	2.223	98.94	98
2	RUDP-B-FD-1, C/L	23-Feb-20	0+080	5.40	5.72	2.247	2.239	99.65	98
3	RUDP-B-FD-1, R/S	23-Feb-20	0+120	5.40	5.61	2.247	2.238	99.62	98
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					_				
_							-		
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_									
	-					1	arity (P) Les		
2	Contra ZHONGHENG CONST INTERNATIONAL ENG	RUCTION GRO	DUP . LTD	BUILDI	NG DESIGN A	UTHORITY T. LTD ANE	Consultant Y (P) LTD IN J PLUS ENGIN	OINT VENTUR	E WITH B
	AL CONTRACTOR		2	Mar Contraction	get.	13	Biratnagar 4	X	
	Engineer Dhirendra yadav	Submitte Contract N Rabindra Ki	ed By lanager	Expert Ot	ified By y Surveyor/CSE idal/Rajan Shr	restha		Approved B Team Leader Giresh Chan	У



				Kemarks							HTIV					
ary	0	e		%	87.00	1			>80		RE V SS &			/	ed By	hand
February	2020	Base		CK %	83.00 8	1			>80		ENTU		X		Approved By Team Leader	Giresh Chand
			-	_	21.88	1			< 35		INT V ENG			-	A.C.	
				FI and EI %	19.40/18.73				< 35		UN JO PLUS					
Month	Year	Type of Material				_				tant	BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PYT LTD AND PLUS ENGINEERS & ARCHITECTS (P) EPD, KATHMANDU, NEPAL					
M	1	Type o		% 0%	31.56	-			< 45	Consultant	TY (P)					
Ц	_	_		IC PI%	O NP	+			+	1	N PV	(A)				
				MDD OMC	46 5.30	+				itty fe	AUTI	Biratnayar +			CSE	restha
				_	1 2.246	-			0	authority	SULT	100	1		d By rveyor	ajan Sł
Report				5 0.075	4 8.24	-		++-	 28 2-10		G DE		De	2	Verified By Qty Surveyc	undal/R
Test H			Weight	6 0.6	79 22.14	-			53 12-		ILDIN B.N		U	X	Expert Qty Surveyor/CSE	H.K. Mandal/Rajan Shrestha
onthly		N-8	ssing By	4.75 2.36	61 32.79	+			 55 21-	-				_	_	+
Summary Sheet of Monthly Test Report		Location:-N-8	Sieve Size in mm / % passing By Weight	-	19:24				70 26-		ERIN				By ager	hakur
v Shee		cati	ize in m	10	1 54.61	)			 2 40-		GINE		0	N/	Submitted By Contract Manager	Rabindra Kr. Thakur
mmar		Lo	Sieve S	5 20	0 66.91	-			00 62-9		AL EN				Contra	Rabindr
Su				31.5	0 88.60	-			0 85-1		LION/					
				40	20 100	+		++-	it : 10		RNAT					
			Date of	Testing	17-Feb-20				Spec. Limit:         100         85-100         62-92         40-70         26-55         21-53         12-28	tor	D					
			5	Source of Sample	Chisang Khola				S	Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING	AN SADUP INTERNA				
			Location of	Sample	N-8,(0+100)						CONSTRUCT	V			d By cer	Yadav
				<ul> <li>Lab.Ret no.</li> </ul>	RUDP-B-01						HONGHENC			100	Checked By Engineer	Dhirendra Yadav
				S.N.	-						Z					

			Law	ation:-N	0		Month Year	Febru 201	20
- 1		1	Loca		e content %		pe of Material (gm/cc)	Ba Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage			Max.Dry	Field Dry	Compaction	Specifie
511.	Lab.Ref.no	resting Date	Chamage	OMC%	Field MC%	density	density,	%	%
1	RUDP-B-FD-1, R/S	23-Feb-20	0+020	5.30	5.93	2.246	2.233	99.42	98
2	RUDP-B-FD-1, L/S	23-Feb-20	0+020	5.30	5.08	2.246	2.223	98.96	98
3	RUDP-B-FD-1, R/S	23-Feb-20	0+120	5.30	5.86	2.240	2.206	98.21	98
4	RUDP-B-FD-1, L/S	23-Feb-20 23-Feb-20	0+120	5.30	5.32	2.246	-		
-	KUDF-D-FD-1, L/3	23-160-20	0+150	5.50	5.52	2.240	2.202	98.06	98
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1	Contrac ZHONGHENG CONST INTERNATIONAL ENG	RUCTION GRO		BUILDI	NG DESIGN A	UTHORITY T. LTD AND LTD, KATI	onsultant (P) LTD IN J PLUS ENGIN HMANDU, NI	OINT VENTUR NEERS & ARCH EPAL	E WITH ) IITECTS (
	Checked By Engineer Dhirendra Yadav	Submitte Contract M Rabindra Kr	ed By anager	Expe H.K. Ma	verified By ert Qty Surveyor andal/Rajsn S	r/CSE	attion	Approved B Team Leader Giresh Chan	y



				Remarks								WITH					
uary	50	se		%	89.00		1			>80		URE V				ed By	Chand
February	2020	Base		CR %	83.21	82.55	81.51	7		>80		ENTU	-	X	/	Approved By	Team Leader Giresh Chand
			_	%	20.23	-	21.86	7		< 35		INT V ENG		0			
		ial		Fl and El %	22.18/20.14							BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, ETD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL					
Month	Year	Type of Material					20.30/19.54	1		< 35	ant	LTD					
W	Y	ype of	I.A.A	%	33.60	29.50	31.70	2		< 45	Consultant	TELE					
		E		C PI%	dN (	NP	NP	_		-/	1	IORI VIII (P) L	74-180				
				D OMC	4 5.70		-			_(	Here (	AUTH	* Biratnagat #				CSE
				5 MDD	2.254	-	1	2		_	24.0	SULT	1			By	Expert Qty Surveyor/CSE H.K. Mandal/Raian Shrestha
eport				0.075	7.57	5.19	6.13	)		8 2-10		G DES CON		N		Verified By	Expert Qty Surveyor/CSE I.K. Mandal/Raian Shresth
lest R			eight	0.6	20.77	15.41	13.58	3		12-21		B.N.		2	R	2	xpert ( K. Mar
thly 7		26	ng By W	2.36	30.88	29.24	,22.90	)		21-53					1	-	HE
of Mor		1:-R-	% passi	4.75	40.21	39.62	30.11	)		26-55		RING					er kur
Summary Sheet of Monthly Test Report		Location:-R-26	Sieve Size in mm / % passing By Weight	10	52.79	51.26	43.70	)		40-70		INEE		5	1	Submitted By	Contract Manager
nary		Loc	eve Size	20	65.68	65.09	73.81	)		62-92		ENG			1	Submin	Contract Manager Rabindra Kr. Thakur
Sum			Si	31.5	88.42	87.93	88.57	)		85-100		DNAL					Co
				40	100	100	100	2		100		NATIO					
			Date of	Testing	19-Feb-20	19-Feb-20	19-Feb-20			Spec. Limit:   100   85-100   62-92   40-70   26-55   21-53   12-28	ctor	LTD	ou filo				
				Source of Sample	Chisang Khola	Chisang Khola	Chisang Khola			S	Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING	OUP INTERNATION				
			Location of	Sample	R-26,(0+100)	R-26,(0+200)	R-26,(0+300)					CONSTRUC				d By	eer 1 vadav
				Lab.Ref no.	RUDP-B-01	RUDP-B-02	RUDP-B-03					ONGHENG			Jul	Checked By	Engineer Dhirendra vadav
	_			S.N		-	-					ZH				_	



			Sumi	mary She	et of Field De	ensity Test	Mon	th	F	ebruary
				T	- Dar	-	Yea			2020
-		-	-		on- R-26		Type of N			Base
Sn.	Lab.Ref.no	Testing Date	Chainage		re content %		ity(gm/			paction %
	Enonterino	resting Date	Channage	OMC%	Field MC%	Max.Dry d gm/ce		Field Dry	Compactio n	Specifie %
1	RUDP-B-FD-1, L/S	22-Feb-20	0+050	5.70	5.37	2.254	_	2.240	99.36	98
2	RUDP-B-FD-1, R/S	22-Feb-20	0+090	5.70	5.77	2.254		2.246	99.65	98
3	RUDP-B-FD-1, L/S	22-Feb-20	0+120	5.70	5.99	2.254	ł	2.249	99.79	98
4	RUDP-B-FD-1, C/L	22-Feb-20	0+150	5.70	4.97	2.254		2.240	99.37	98
5	RUDP-B-FD-1, L/L	22-Feb-20	0+160	5.70	5.87	2.254	_	2.228	98.85	/ 98
6	RUDP-B-FD-1, R/S	22-Feb-20	0+290	5.60	5.27	2.248	3	2,219	99.33	98
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							1	nority (	PI	
-	Contra	ctor					Consult		(6)	
							63/		121	
1	ZHONGHENGCONST INTERNATIONAL ENG	RUCTION GRE	UP	BUILI CONSU	DING DESIGN LTANCY PVT	LTD AND	PEUS E	TD IN JO NGINEE U, NEPA	RS & ARCHI	RE WITH B.N TECTS (P) LT
	County -	* .00.02			MJ.		64	Biratna	01 -	/
		1	)		SC			arlia	0.	/
	-hi-	1	(	1	Dr.				X	
	Checked By	Submitte	d Ru	Mag	ified By					
	Engineer	Contract'M	anager		Surveyor/CSE				Approv Team I	
	Dhirendra Yadav	Rabindra Kr	Thakur		dal/Rajan Shre	estha			Giresh	
_										



					Kemarks										NITH			:
	Iarv	0	se		%	85.00					T		>80		JRE V RS &			ed By eader Chand
	February	2020	Base	<u> </u>	CK %	81.22	83.66	81.75			Π		>80		ENTU	4	r	Approved By Team Leader Giresh Chand
				-	%	21.87		22.57 8	3	1			< 35		NT V ENG U, NE			ALO
	-		-	-	_			_	T	1					IOF N			
	th	ar	laterial	3	FL and El %	22.97/22.28	21.55/19.85	19.72/18.30					< 35	nt	AND AND THM			
	Month	Year	Type of Material	L.A.A.	%	32.10	27.50	30,10					<45	Consultant	LTD LTD, KA			
					PI%	NP	NP	NP				_		Co	PUTE (S	15-11		
					OMC	5.60									AUTHOR ANCY PV ECTS (P)	Palmagar & MIC		SE
					DOM	2.248								1	DESIGN AUTHORPY (P) LTD IN JOINT VENT ONSULTANCY PVE-LTD AND PLUS ENGINEI ARCHITECTS (P) LTD, KATHMANDU, NEPAL	La Maria		By veyor/C an Shr
y 2 port					0.075	5.01	7.27	7.84					2-10		BUILDING DESIGN AUTHORPY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVELTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		$\sim 1$	
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 mmary Sheet of Monthly Test Rep				ight	0.6	13.31	16.01	16.00					26-55 21-53 12-28		DING B.N.		in	v kpert Q C. Man
ICB/B				g By Wc	2.36	22.85	23.21	24.32					21-53		BUIL	1	the second	E
UDP/			2	% passin	4.75	30.81	29.91	34.20							SUING			ar kur
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Location:-R-2	Sieve Size in mm / % passing By Weight	10	56.95	53.01	55.39					40-70		NEER		6	Submitted By Contract Manager Rabindra Kr. Thakur
athag ntract arv S			ation	ve Size i	20	73.20	72.95	78.67							ENGI			ubmit ntract indra K
Co Co			Loc	Sie	31.5	88.93	88.41	93.06					100 85-100 62-92		INAL			. Co Rab
					40	100	100								ATIC			
				Date of	Testing	19-Feb-20	19-Feb-20	19-Feb-20					Spec. Limit :	ctor	P INTERN			
					Source of Sample	Chisang Khola	Chisang Khola	Chisang Khola					S	Contractor	ZHONGHENG CONSTRUCTION GROOK INTERNATIONAL ENGINEERING	HOR GROUP INTERNAT		
				I ocation of	Sample	R-2.(2+650)	R-2.(2+800)	R-2,(2+900)							CONSTRUCT			d By eer
					Lab.Ref no.	RUDP-B-01	RUDP-B-02	RUDP-B-03							ONGHENC			Engineer Dhirendra Yadav
	_				S.N.	-	2	3							HZ			



			Sumr	nary She	et of Field De	Mo			ruary
		Treat				Ye			020
-		Locat	ion:-R-2,		to Tinpaini Chore content %	wk) Type of ? Density(gm/			Base action %
in.	Lab.Ref.no	Testing Date	Chainage			Max.Dry density		Compactio	Specified
	Luontenno	resting Date	Chanage	OMC%	Field MC%	gm/cc	Dry	n	%
1	RUDP-B-FD-1, C/L	21-Feb-20	2+620	5.60	5.85	2.248	2.208	98.23	98
2	RUDP-B-FD-1, LHS	21-Feb-20	2+680	5.60	5.53	2.248	2.220	98.77	98
3	RUDP-B-FD-1, R/S	21-Feb-20	2+720	5.60	5.21	2.248	2.216	98.56	98
4	RUDP-B-FD-1, C/L	21-Feb-20	2+800	5.60	6.88	2.248	2.212	98.42	98
5	RUDP-B-FD-1, L/L	21-Feb-20	2+840	5.60	6.87	2.248	2.245	99.88	98
6	RUDP-B-FD-1, R/S	21-Feb-20	2+900	5.60	5.27	2.248	2.219	98.69	98
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-			-				(P) Ltd	11	
_	Contra				-	Const	ltant	By .	
4	ZHONGHENG CONST INTERNATIONAL ENG	IRUCTION GE	OUP	BUIL	DING DESIG	N AUTHORITY (P) T. LTD AND PLUS KÄTHMAN	ENGINE	ERS & ARCHIT	RE WITH B. TECTS (P) L
_	Summer	* 'un 10 000	)		N	121		15	
	Checked By	Subhiti			rified By		Biratna	Approv	
	Engineer Dhirendra Yadav	Contract I Rabindra K		H.K. Ma	ty Surveyor/CSE ndal/Rajan Sh	restha		Giresh	



				Remarks					WITH	1
	uary	Se Se	T	CBR %	89.60		-80		URE V RS &	ed By
	February	Base	T	CR %	82.91		>80		ENT	Approved By Team Leader
			T	ALV.	20.56		< 35		INT V ENG	
		ial		Fl and El %	18.93/16.46	P	35		IN JO	
	Month	Year Type of Material	L						DING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE V B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	
	M	vne of		L.A.A.	31.76		\$45	Any (PLA Consultant	(P) K	Va
		F		C P1%	dN 0			1	(PV1 (PV1	Tanta
			-	D OMC	3 5.70			TAN IP	AUTH	y y SortCSE
			-	MDD 5	2 2.243				SULT	ed By urveyor/
ity 02 eport				0.075	3 7.62		8 2-10		G DES CON	Verified By Oty Surveyo
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Uninder	veight 0.6	8 14.93		40-70 26-55 21-53 12-28		BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	Port Contract of the second se
opolit P/ICB, nthly		5	17	2.36	3 31.48		S 21-5			1/ -=
Metro RUDI of Mo		0	N1	4.75	42.33		26-5		RING	y ger
agar ct No: Sheet		L o o tion D	ann	10	54.54				INEE	Submitted By contract Manage
irratn: ontra mary		Too	LOU.	Sieve Size in mm / % passing By weight           20         10         4.75         2.36         0	64.83		62-92		ENG	Submitted By Contract Manager
B				31.5	88.77		85-100		ONAI	
				40	100		100		ITAN	
				Date of Testing	9-Feb-20		Spec. Limit: 100 85-100 (2-92	J	DE	
				Source of Sample	Chisang Khola		Š	Contract	NON	CONTRACTOR NO
				Location of Sample	R-27,(0+100)				G CONSTRUCT	d By
				Lab.Ref no.	RUDP-B-01				HONGHENG	Encided By Engineer
	_			S.N.	-				ZF	



						F	Month Year	Febr 20	
			Lo	cation:-		Т	ype of Material	Ba	100
				Moistur	e content %	Densit	y(gm/cc)	Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry	Field Dry	Compaction	Specifie
4	DUDD D CD 1 L/C	12 5 1 20	0:070			density	density,	%	%
1	RUDP-B-FD-1, L/S RUDP-B-FD-1,R/S	12-Feb-20 12-Feb-20	0+050 0+100	5.70 5.70	5.88 6.15	2.243	2.235	99.63 98.93	98 98
2	RUDP-B-FD-1, L/S	12-Feb-20 12-Feb-20	0+100	5.70	5.23	2.243	2.219	98.93	98
3	RUDP-B-FD-1, L/S	12-Feb-20 12-Feb-20	0+130	5.70	5.56	2.243	2.213	98.65	98
4 K	KUDP-D-FD-1,K/S	12-Feb-20	0+180	5.70	5.50	2.243	2.213	98.05	98
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-	Contra			DUILDU	NC DESIGN		Consultant	OINT VENTUR	E WITTE
	ZHONGHENG CONST	RUCTION GRO	DUP	CONSU	ILTANCY PV	T. LED ANI	PLUS ENGE	VEERS & ARCH	HTECTS (
	INTERNATIONAL ENG	INEERING CO.	LID				HMANDU, NI		
	(and	W ))			NN	13	1		/
	anona and anona	Strange /	)		Mr.	184	Birainagal	~/	
	ohi	N		1	2°			K	
	Checked By	Submitte		Vor	ified By			Approved B	
	Engineer	Contract M	anager	Expert Qt	y Surveyor/CSE			Team Leader	
	Dhirendra yadav	Rabindra Kr	. Thakur	H.K. Man	idal/Rajan Shr	restha		Giresh Chan	d



				INCIDALINS					BUILDING DESIGN AUTHORITY (PEDD IN JOINT VENTURE WITH B.N. CONSULTANCY PYD, ETDAND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL			1
August	20	Base	CBR	%	90.00		>80		URE RS &			Leader Chand
Fohrman	2020	Ba	10.00	CK 70	83.02		>80		/ENT /INEE		K	Approved By Team Leader Giresh Chand
			A.L.V.		23.07		< 35		DING DESIGN AUTHORITY (PELTD IN JOINT VENTURE V B.N. CONSULTANCY PVD ETDAND PLUS ENGINEERS & ARCHITECTS (P) LTD, VATHMANDU, NEPAL			1
			A IN LA LA	_	22.52/19.13		35		IN JO PLUS IAND			
Month	Year	Type of Material					< 35	ant	UTTE ON DE CONTRACTOR			
W	X	Type of		%	30.80		< 45	nority Consultant	TD.FT	Telle		
L				F170	dN NP			rity O	ORIJ ORIJ (P) L	Biratnagat		
			100	OMC	5.00			One	ANCH	-		CSE
				MUUM	2.255		_		IGN /			fied By Surveyor/( Raian Shi
2 port				0.075	5.08		2-10		S DES CONS ARC			VerMed By Qty Surveyo mdal/Raian
3RT-0 est Re			sight	0.6	13.20		12-28		B.N.		male	Veryfied By Expert Qty Surveyor/CSE H.K. Mandal/Raian Shrestha
ICB/I		X	g By We	2.36	24,42		21-53		BUII		.1	E
t Mon		2L19	% passin	4.75	33.23		26-55		UNG			r r
Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location:-T2L19X	Sieve Size in mm / % passing By Weight	10	57.99		40-70 26-55 21-53 12-28		NEER		0	Submitted By Contract Manager Rabindra Kr. Thakur
Contract No: RUDP/ICB/BRT-02 mmary Sheet of Monthly Test Rep		catio	ve Size i	20	73.89		62-92		ENGI		X	Submitted By ontract Manag
Co		Loc	Sic	31.5	90.83		5-100		INAL			S Co
				40	001		100 8		ATIC			
			Date of	Testing	23-Feb-20		Spec. Limit : 100 85-100 62-92	tor	D D D D D D D D D D D D D D D D D D D	- 110		
				Source of Sample	Chisang Khola		Spi	Contractor	TION GROUP	* Diakan		
					T2L19X,(0+150)				ZHONGHENG CONSTRUCTION GROUP INTARNATIONAL ENGINEERING		_	ed By teer a vadav
				Lab.Ket no.	RUDP-B-01				ONGHENC		M	Checked By Engineer Dhirendra vadav
	_			Ż	-				ZH		_	

			Junna	ry Sheet	of Field Dens		Month	Febr	wary
					TAT 1037	_	Year	20	
-			L		:-T2L19X		pe of Material		ise
	LIDC	TID		Moistur	e content %	Density	1	Compa	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry	Field Dry	Compaction	Specifie
1	DUIDE D ED 1 1/C					ucusity	density,	%	%
1	RUDP-B-FD-1, L/S	23-Feb-20	0+050	5.00	4.40	2.255	2.248	99.68	98
2	RUDP-B-FD-1, R/S	23-Feb-20	0+090	5.00	5.13	2.255	2.213	98.12	98
3	RUDP-B-FD-1, R/S	23-Feb-20	0+150	5.00	5.68	2.255	2.235	99.10	98
4	RUDP-B-FD-1, R/S	23-Feb-20	0+190	5.00	5.91	2.255	2.238	99.23	98
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-	Contrac	tor	-		_	AND CI	usultant		
I	ZHONGHENG CONSTI INTERNATIONAL ENGI	RUCTION GRO	UP LTD	BUILDIN CONSU	NG DESIGN A JLTANCY PV	T. L'ID AND	(P) LTD IN J PLUS ENGIN IMANDU, N	OINT VENTUR IEERS & ARCH IPAL	E WITH B
	Checked By	Submitte	d By		Verified By	* Bin	etnapar	Approved B	
	Engineer Dhirendra yadav	Contract Ma Rabindra Kr.	anager	Expe H.K. Ma	rt Qty Surveyor andal/Rajan S	/CSE hrestha		Team Leader Giresh Chan	



				Remarks							HTIW			1
	February	Race		CBR %	84.00				>80		JRE V			ed By cader
	Febr	Ro Ro		CR %	83.94		81.64		>80		ENTU		×	Approved By Team Leader Giresh Chand
				A.I.V. %	19.06		69.61		< 35		NT V ENG			A L O
	÷.	Type of Material		Fl and El %	34.70 23.35/22.90	-	19.74/18.60		< 35	+	BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY DVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD AND PLUS ENGINEERS &			
	Month	De of N		L.A.A.	34.70	33.60	31.76		< 45	Consultant	T AND			
		Tv		bl%	NP		NP			Con	NT. I	100 miles		
				OMC	5.75					E E	THO TS (P	P + Biratnage		u 4
				DDD	2.253					Sollie	LTAL	151		y or/CSI Shreet
ort			-	0.075	5.73	6.61	3.36		2-10		DESIG			Vertied By Expert Qty Surveyor/CSE LK Mandal/Raian Shreeth
RT-02 st Rep			tht	0.6	15.72	13.56	15.76		12-28		ING I		G	Verified By Expert Qty Surveyor/CSE H.K. Mandal/Raian Shreetha
CB/B		~	By Weig	2.36	23.37	+ +	25.32		1-53		B		M.	Expe
Month		B.1	passing	4.75	30.43		30.60		6-55 2	H				
Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location B-17	Sieve Size in mm / % passing By Weight	10	56.35		57.58		40-70 26-55 21-53		EERI			Submitted By Contract Manager Rabindra Kr. Thakur
itract		1600	e Size in	20	64.66 5	-	65.74 5				NGIN		0	Submitted By Contract Manager tabindra Kr. Thaku
COL MUM			Siev	31.5	-		87.90 6		100 85-100 62-92		ALE			Sult Sult Contr Rabine
				40 3			100 8		00 85-		TION			
			Date of	Testing		-	18-Feb-20		Spec. Limit : 1	tor	D	- muu		
				Source of Sample	Chisang Khola	Chisang Khola	Chisang Khola		Sp	Contractor	COLUMEROUP NIT	the state		
			Location of		R-12,(1+020)	R-12,(1+020)	K-12,(1+020)				ZHONGHENG CONSTRUCTION GROUP IN THE RNATIONAL ENGINEERING			By ar vadav
				Lab.Kct no.	RUDP-B-01	RUDP-B-02	KUDP-B-03				ONGHENG		110	Checked By Engineer Dhirendra yadav
			1.0	D.N.	-	2 0	n		1		ZH(			

			Summa	ry Sheet	of Field Dens	sity Test	Month	Febr	
							Year		20
				and the second sec	ion:-R-12		pe of Material		ise
					e content %		1	Compa	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry	Field Dry	Compaction	
1	DUDD D ED 1 D/C	21 5-1 20	1.000	6.76	5.00	density	density,	%	%
2	RUDP-B-FD-1, R/S	21-Feb-20	1+000	5.75	5.68	2.253	2.252	99.96	98
3	RUDP-B-FD-1, L/S RUDP-B-FD-1, R/S	21-Feb-20 21-Feb-20	1+040	5.75	5.74	2.253	2.208	98.02	98
4		The second second second	1+080	5.75	5.18	2.253	2.239	99.39	98
-	RUDP-B-FD-1, L/S	21-Feb-20	1+120	5.75	5.34	2.253	2.244	99.59	98
5	RUDP-B-FD-1, L/S	21-Feb-20	1+60	5.75	5.56	2.253	2.233	99.12	98
6	RUDP-B-FD-1, R/S	21-Feb-20	1+220	5.75	5.68	2.253	2.216	98.36	98
7	RUDP-B-FD-1, L/S	21-Feb-20	1+290	5.75	5.91	2.253	2.218	98.43	98
8	RUDP-B-FD-1, L/S	21-Feb-20	1+320	5.75	5.95	2.253	2.226	98.79	98
9	RUDP-B-FD-1, R/S	21-Feb-20	1+340	5.75	6.21	2.253	2.251	99.92 /	98
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-	Contrac					Su Co	nsultant		
	0000	TD. * ZHONGOE		DUIT	C DEGLAR	151	12		
1	ZHONGHENG CONSTI NTERNATIONAL ENGI			CONSU	LTANCY PV	T. LTD AND	PLUS ENGIN	OINT VENTUR EERS & ARCH PAL	E WITH B
	_hi_	. ()	7	141	Solar .	* Birs	tnagat	V	
	Checked By Engineer Dhirendra yadav	Submitte Contract Ma Rabindra Kr	anager		Verified By rt Qty Surveyor andal/Rajan S			Approved By Team Leader Giresh Chan	



				Kcmarks										WITH				/
uarv	50	se		%/	93.20		1				T	>80		RS &		8	ed B	chand
February	2020	Base	CD 00	% /	82.57							>80		ENTU		~	Approved B	Team Leader Giresh Chand
			ALV.	_	21.51	J						< 35		BUILDING DESIGN AUTHORITY (P) LED IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL			×	- 0
		ial	-	_							T	10		DLUS PLUS				
Month	Year	Mater	/0 ICI Pres ICI		23.18/19.94	1						< 35	ant	AND				
M	Y	Type of Material	L.A.A	%	27.54	2						< 45	Consultant	LTD, K	S.* Biratnayar *			
L		F	1010		dN (	-	-			-			-	DRIT DVT TVT (q)	* Bira			
			000	n OW	5 5.10	+	-			-		4		AUTHAUTHA	0.0			CSE estha
			- unit	_	2.255	-	-	_	-	-				SULT			Ted By	veyor/( jan Shr
eport				0.075	5.73	-	-			-		3 2-10		S DES CONS ARC		1	Verified By	Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
Fest R			cight	0.6	15.72					-		40-70 26-55 21-53 12-28		B.N.		She	31 >	xpert C K. Man
thly 7		26E	ng By W	2.36	23.37							21-53				al a	-	E H.I
of Mor		T3L	% passi	4.75	30.43							26-55		RING				er kur
Summary Sheet of Monthly Test Report		Location:-T3L26E	Sieve Size in mm / % passing By Weight	10	56.35	1						40-70		INEE		0	Submitted By	Contract Manager Rabindra Kr. Thakur
mary		ocat	ieve Size	20	64.66	1						62-92		ENG		-	Submit	ontract oindra F
Sum		-	S	31.5	87.08							85-100		DNAL				Rat
				40	100							100		VATIO				
			Date of	Testing	16-Feb-20							Spec. Limit: 100 85-100 62-92	tor	D THER	aun *			
			Course of Camala	and the of a subject	Chisang Khola							S	Contractor	CO. LTD	* Illinou			
			Location of	Sample	T2L26E,(0+050)									ZHONGHENG CONSTRUCTION GROUP IN FERNATIONAL ENGINEERING		١	d By	eer yadav
			I ah Daf no	L40, NG1 110,	RUDP-B-01									ONGHENG		Let 1	Checked By	Engineer Dhirendra yadav
		_	NJ	N1.0	-							1		НZ		_		

			T		TOLOCE		Month Year	Febru 202	20
-		-	L		e content %	Dan	Type of Material sity(gm/cc)	Ba Compac	
Sn.	Lab.Ref.no	Testing Date	Chainane		1	Max.D		Compaction	Specifie
Sur.	Lubiterino	resting Date	Channage	OMC%	Field MC%	densit	-	%	%
1	RUDP-B-FD-1, R/S	20-Jan-20	0+050	5.10	4.47	2.255		98.99	98
2	RUDP-B-FD-1, L/S	20-Jan-20	0+090	5.10	4.95	2.255		99.08	98
		1					-3		
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-	Contra			-			17	2	
-	Contra					1	Consultant	131	
	ZHONGHENG CONST	RECTION CRO	DUP	BUILDI	NG DESIGN A	UTHOR	ITY (P) LTD IN J	ONT VENTUR	E WITH B
3	INTERNATIONAL ENG	INEERING CO.	LTD	CONSU	LTANCY PV	T. LTD A	ND PLUS ENGI	EERS & ARCH	IITECTS (
	Innonna	TAN JOAND NOLLONG				LID, K	ATHMANDU, N	TAL	
	Cradba Contraction				N	-	Girating	,	/
		. /	1		Ord ,			- /	
	ohl	H	1		The			X	
	Checked By	Submitte	ed By		Verified By			Approved B	v
	Engineer	Contract M	anager		rt Qty Surveyor			Team Leader	
	Dhirendra yadav	Rabindra Kr	. Inakur	H.K. Ma	andal/Rajan S	nrestha		Giresh Chan	d



		of 1	Ltr/m2												X				H B.N. TS (P)		
		Page no 1 of 1	Bt Tray Test Ltr/m2	1.05	400		1.06	1.04	1.03	/	1.04	1.04	1.05	1	1.05				ARCHITEC	A	Approved By Team Leader Giresh Chand
			Application Kate By Deep Ltr/m2	(1.09	100	5001	1.08	Y.07	1.07	/	80.4	1.09	1.07	/	1:04		men 1.024	ant	ENGINEERS & . JU, NEPAL		
rk	ARY 2020		Bitumen Consumption (Ltr)	450	005	670	675	725	750		400	1000	650		300		Specific Gravity of Bitumen 1.024	Consultant	BUILDING DESIGN AUTHORITY (P) LITD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	Birating +	
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Daily Application Rate Check for Priming work	SUMMARY FOR THE MONTH OF FEBRUARY 2020		Total Area M2	414.40	00 001	003.00	624.80	676.20	703.00		370.80	915.20	608.00		288.75		Specific (		S DESIGN AL	. ~	Expert Qty Surveyor/CSE H.K. Mandal/RajanShrestha
ropolitan C DP/ICB/BR	MONTH C		Intersection Area m2	00.0		0.00	0.00	0.00	0.00		0.00	0.00	0.00		0.00		M2 ± 5%		CONSUL.	Anoth	Expert Qty S H.K. Mandal/
Contract No: RUDP/ICB/BRT-02 Contract No: RUDP/ICB/BRT-02 Daily Application Rate Check for Priming work	FOR THE		Area of Priming (m2)	414.40		589.86	624.80	676.20	703.00		370.80	915.20	608.00		288.75		oat 1.0 Litu	>	INEERING	m	Submitted By Contract Manager Rabindra Kr. Thakur
Bira Contra	SUMMARY		Side of Priming	Both side		Both Side	Both Side	Both Side	Roth Side		Both Side	Both Side	Both Sido		Both Side		Required specification for Prime coat 1.0 Lit/M2 $\pm 5\%$		CERNATIONAL ENGINEERING		Submitted By Contract Manag Rabindra Kr. Tha
Dail			on to	0+282		0+087	0+142	0+161	U18D		0+103	0+104	04460	701-0	0+075		ation fo	-	NTERNA	Same as u	
2			Station From	0+170		000+0	000+0	000+0	00070	000.0	000+0	000+0	00010	00010	000+0		specific	Contractor	N GROUP IN	co.un. * muun	
	00 P.G	: 70:MC30	Date of Priming	4-Feb-20		4-Feb-20	4-Feb-20	12-Feb-20	40 Eak 20	07-09-1-71	12-Feb-20	13-Feb-20	40 F-1 50	13-Feb-20	13-Feb-20		Required	0	STRUCTION		
	Type of Bitumen: 80/100 P.G	Cutter Percentage: MC 70: MC30	Location	T3L25C		T3L21	R-35	R-8	20.02	17-11	T2L18K	R-44		13L/B	T3L13F				ZHONGHENG CONSTRUCTION GROUP INT	hi	-Checked By Engineer
	rne of E	utter Pe	NS	-		2	0	4		0	9	7		20	6	_			SHONG	0	E

		Page no 1 of 2	Bt Tray Test Ltr/m2	1.05	1.06	1.06	1.05	1.06	1.05	1.06	1.04	1.04			BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	Approved By Team Leader Giresh Chand
			Application Kate By Deep Ltr/m2	1.08	1.04	1.04	1.06	1.09	1.08	1.08	1.08	1.07	umen 1.024	ant	DU, NEPAL	11 miles
4	ARY 2020		Bitumen Consumption (Ltr)	3650	006	425	850	1150	3400	1250	1450	1250	Specific Gravity of Bitumen 1.024	Consultant	JTHORITY (P) LTD JN JOINT LTD AND PLUS ENGINEER LTD, KATHMANDU, NEPAL	Strangal
ity T-02	Daily Application Rate Check for Fritting work SLIMMARY FOR THE MONTH OF FEBRUARY 2020		Total Area M2	3366.00	864.00	408.00	799.80	1057.80	3138.30	1158.80	1346.40	1170.00	Specific 0		S DESIGN AL TANCY PVT.	Expert Ory Surveyor/CSE H.K. Mandal/RajanShrestha
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02	MONTH C		Intersection Area m2	0.00	0.00	00.0	0.00	0.00	0.00	0.00	0.00	0.00	/M2 ± 5%		BUILDING	Expert Qiy 5
Contract No: RUDP/ICB/BRT-02	FOR THE		Area of Priming (m2)	3366.00	864.00	408.00	799.80	1057.80	3138.30	1158.80	1346.40	1170.00	oat 1.0 Lit		SINEERING	Submitted By Contract Manager Babindra Kr. Thauger
Bira Bira Contri	y Applicat		Side of Priming	Both side	Required specification for Prime coat 1.0 Lit/M2 ±		TIONAL ENG	Submi Contract Rabindra								
	Dail		e b	0+330	0+440	090+0	6+000	0+369	0+317	0+428	5+798	0+300	ation f		NTERNA	
N.			Station	000+0	0+260	000+0	5+914	0+240	000+0	0+330	5+600	000+0	specific	Contractor	GROUP I	Contraction of the second
	000	: 70:MC30	Date of Priming	14-Feb-20	15:Feb-20	15-Feb-20	16-Feb-20	19-Feb-20	22-Feb-20	23-Feb-20	23-Feb-20	24-Feb-20	Required	0	STRUCTION	
	1100	Cutter Percentage: MC 70: MC30	Location	B-2	R-4	T3L21A	R-3	R-46	R-2	B-2	R-3	R-26			ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING	Checked By Engineer
		pe or l	NS	10	11	12	13	14	15	16	17	18			NOHZ	MA -

		Page no 1 of 3	A H	-	1.06	1.06	1.05	1.04	1.05	1.03			4		VENTURE WIT S & ARCHITEC	Approved By Team Leader Giresh Chand
			Application Rate Bv Deep Ltr/m2	-	1.09	1.09	1.06	1.07	1.09	1.04			imen 1.02	ante	D IN JOINT ENGINEER	- East
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02	Y Application Rate Check for Priming work SUMMARY FOR THE MONTH OF FEBRUARY 2020		Bitumen Consumption (Ltr)	800	625	1150	250	825	1700	325	25575		Specific Gravity of Bitumen 1.024	Consultant	BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	Braman
lity tT-02	Priming v		Total Area M2	738.00	572.00	1054.10	236.80	768.00	1560.00	312.70	Total	*	Specific		DESIGN AL	erified By by Surveyor/CSE dal/RajanShrestha
ropolitan ( DP/ICB/BF	Check for		Intersection Area m2	0:00	00.0	0.00	0.00	0.00	0.00	0.00			M2 ± 5%		BUILDING CONSULT	Expert Qty Surveyor/CSE H.K. Mandal/RejanShrestha
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02	Y FOR THE		Area of Priming (m2)	738.00	572.00	1054.10	236.80	768.00	1560.00	312.70			at 1.0 Lit/I		NEERING	
Bira Contr	Uaily Application Rate Check for Priming work SUMMARY FOR THE MONTH OF FEBRUAR		Side of Priming	Both side			ation for Prime coat 1.0 Lit/M2 ± 5%		ONAL ENG	Submitted By Contract Manager Rabindra Kr. Thakur						
1	Dail		tion to	0+164	0+130	0+254	0+080+0	0+200	1+340	0+106			ation fo		TTERNAT	
			Stat From	000+0	000+0	000+0	000+0	000+0	1+100	000+0		7	specific	Contractor	GROUP IN CO. LTD	
	00 P.G	C 70:MC30	Date of Priming	25-Feb-20	25-Feb-20	28-Feb-20	28-Feb-20	28-Feb-20	29-Feb-20	29-Feb-20			Required specific	Ö	TRUCTION O	
	Type of Bitumen:80/100 P.G	Cutter Percentage: MC 70: MC30	Location	N-8	7-N	R-110	T3L13J	N-38	R-12	T2L26E					ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING	Checked By Engineer Dhirendra Yadav
	ype of	utter P	NO	19	20	21	22	23	24	25		-	-		SHONG	En





	o For and	Applic Bt Tray	0.55	0.51	0.52	0.52		0.50	0.51	0.54	)				BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	Approved By	Giresh Chand
		Application Rate By Dip Lit/m2	0.59	0.55	0.56	0.58		0.56	0.59	09.0	)	711.2		Itant	D AND PL	· · · · ·	
		Bitumen Consumption	450	1000	350	1150		450	400	250		3,Sectior		Consultant	THORITY (F CY PVT. LT S (P) LTD, I	theman -	
AT	50	Total Area M2	765.00	1815	628.20	1975.20	*	806.40	678.60	414.40		d Note -			DESIGN AU DNSULTAN	- (	tajan Shrestha
City City TACK CO	<b>BRUARY-202</b>	Intersection Area m2	0	0	0	0		0	0	0		g to Roa	n 1.024		BUILDING I B.N. CC	Verified By	Expert Oty Surveyor/CSE H.K. Mandal/Rajan Shrestha
REGIONAL URBAN DEVELOFMENT FROJECT Biratnagar Metropolitan City <u>Contract No: RUDP/ICB/BRT-02</u> Daily Application Rate Check for TACK COAT	SUMMARY FOR THE MONTH OF FEBRUARY-2020	Area of Tack coat	765	1815	628.2	1975.2		806.4	678.6	414.4		is 0.40 to 0.60Lit/M2 According to Road Note -3, Section 711.2	Specific Gravity of Bitumen 1.024		CO. LTD	N ted By	Contract Manager Rabindra Kr. Thakur
REGIONAL URBAN DEVELOFMENT FROJECT Biratnagar Metropolitan City <u>Contract No: RUDP/ICB/BRT-02</u> Daily Application Rate Check for TACK COAT	OR THE MO	Side of Tack coat	BHS	BHS	BHS	BHS	λ <sub>e</sub> .	BHS	BHS	BHS		oLit/M2	fic Gravity		GINEERING	Submitted By	Contract Manager Rabindra Kr. Thakur
GIUNAL U Bir Cont	SUMMARY F	Station to	0+170	0+255	060+0	0+240		0+192	0+087	0+282		40 to 0.6	Speci		ERNATIONAL ENGINEERING CO. LTD		
RE Da	-1	Sta From	000+0	000+0	000+0	000+0		000+0	000+0	0+170				tractor	INTERNA		
		Date of Tack coat	3-Feb-20	3-Feb-20	4-Feb-20	4-Feb-20		4-Feb-20	6-Feb-20	6-Feb-20		Required tack coat		Contractor	ION GROUP	10. 38 200	
	Type of Bitumen:80/100 P.G	Location	T3L25C	R-45	T3L39	R-46	44	R-181A	T3L21	T3L25C		Require			ZHONGHENG CONSTRUCTION GROUP INT	Checked By	Engineer Dhirendra Yadav
	ype of B.	S.N.	+	2	9	4		2	9	7		-			NOHZ	· ·	





		Bitumen Application Rate Consumption By Dip Lit/m2	350 0.56	500 0.58	350 0.54	400 0.58	150 0.52	2000 0.58	450 0.56	2	is 0.40 to 0.60Lit/M2 According to Road Note -3, Section 711.2		or Consultant	BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	+ Shratnadat +
CT AT	0	Total Bi Area M2 Cons	624.80	864	644.00	684.00	288.75	3432.00	799.80		I Note -3,Se		10141	ESIGN AUTHO NSULTANCY P RCHITECTS (P	100
REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Daily Application Rate Check for TACK COAT	SUMMARY FOR THE MONTH OF FEBRUARY-2020	Intersection Area m2	0	0	0	0	0	0	0		ig to Road	en 1.024		BUILDING D B.N. COI	VerifiedBy Expert Qty Surveyor/CSE H.K. Mandal/Raian Shresha
AL URBAN DEVELOPMENT P Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Dilication Rate Check for TAC	ONTH OF FE	Area of Tack coat	624.8	864	644	684	288.75	3432	799.8		Accordin	Specific Gravity of Bitumen 1.024		CO. LTD	Submitted By Contract Manager Babindra Kr Thakur
URBAN DH ratnagar M tract No: R ation Rate	FOR THE MO	Side of Tack coat	BHS	BHS	BHS	BHS	BHS	BHS	BHS		SOLit/M2	flic Gravity		GINEERING	Submi Contract Rabindra
EGIUNAL Bi ailv Appliq	SUMMARY	Station to to	0+142	0+440	0+161	0+180	94040	0+330	000+9		.40 to 0.6	Spec		ERNATIONAL ENGINEERING CO. LTD	
× 0	-	From	000+0	0+260	000+0	000+0	000+0	000+0	5+914				Contractor	INTERN	
		Date of Tack coat	6-Feb-20	16-Feb-20	16-Feb-20	16-Feb-20	16-Feb-20	18-Feb-20	18-Feb-20		Required tack coat		united Hallense Con	TION GROUP	
	Type of Bitumen:80/100 P.G	Location	R-35	R-4	R-8	R-27	T3L13F	B-2	R-3		Requir		July 1	ZHONGHENG CONSTRUCTION GROUP INT	Checked By Engineer Dhirendra Vadav
	ype of Bitu	S.N.	8	6	10	11	12	13	14					ZHONG	



February, 2020



	Page no 1 of 3		Bt Tray	0.54	0.50		0.51	0.52		0.56	0.51	0.50	2	-			BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	0	Approved By Team Leader Giresh Chand
		Application Rate	ByD	0.58	0.55		0.57	0.54		0.59	0.57	UBO	)	1711.2		litant	VLTD IN J	V N 18B	
		Bitumen	Consumption	350	200		500	200	15	625	1800	700		3,Section		Consultant	THORITY (F CY PVT. LT S (P) LTD, I	Reparting to A	
SCT DAT	20	Total	Area M2	608.00	366		873.60	370.80		1057.80	3183.30	4468 BD		d Note -			DESIGN AUTHORITY (P) LTD IN JOINT VENT ONSULTANCY PVT, LTD AND PLUS ENGINE ARCHITECTS (P) LTD, KATHMANDU, NEPAL		Verlfied By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
City City RT-02 TACK CC	BRUARY-20	Intersection	Area m2	0	0		0	0		0	0	•		g to Roa	in 1.024		BUILDING B.N. CI	Broth	Verified By Expert Oty Surveyor/CSE H.K. Mandal/Rajan Shresth
REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City <u>Contract No: RUDP/ICB/BRT-02</u> Daily Application Rate Check for TACK COAT	NTH OF FEI	Area of	Tack coat	608	366		873.6	370.8		1057.8	3183.3	4460 0		Accordin	of Bitume		CO. LTD	g	mitted By ct Manager a Kr, Thakur
AL URBAN DEVELOPMENT PI Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 plication Rate Check for TACI	OR THE MO	Side of	Tack coat	BHS	BHS		BHS	BHS	*	BHS	BHS	PLIC		0Lit/M2	Specific Gravity of Bitumen 1.024		SINEERING	1	Submitted By Contract Manager Rabindra Kr. Thakur
REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City <u>Contract No: RUDP/ICB/BRT-02</u> Daily Application Rate Check for TACK COAT	SUMMARY FOR THE MONTH OF FEBRUARY-2020	Station	to	0+152	090+0		0+104	0+103		0+369	0+317	00710		is 0.40 to 0.60Lit/M2 According to Road Note -3, Section 711.2	Specif		TIONAL ENG		
RE Da		Sta	From	000+0	000+0		000+0	000+0		0+240	000+0	00010				Contractor	INTERNA		
		Date of	Tack coat	19-Feb-20	19-Feb-20		19-Feb-20	19-Feb-20		22-Feb-20	24-Feb-20	or Feb on		Required tack coat		Cont	ION GROUP	a pa up. * Zionan	
	Type of Bitumen:80/100 P.G	1 and the	Location	T3L7B	T3L21A		R-44	T2L18K	*	R-46	R-2	đ	5	Require			ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD	Chi	Checked By Engineer Dhirendra Yadav
	/pe of	S.N.		15	16	-	17	18		19	20		-				ZHOI		

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Regional Urban Development Project (RUDP)

NT PROJECT City RT-02	BRUARY-2020	Intersection Total Bitumen Area m2 Area M2 Consumption	0 1346.40 800	0 738 400	0 572.00 325	0 1170.00 700	* Total 14850	Required tack coat is 0.40 to 0.50Lit/M2 According to Road Note -3,Section 711.2	n 1.024	Consultant	BUILDING DESIGN AUTHORITY (P) GTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT-LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Daily Application Rate Check for TACK COAT	SUMMARY FOR THE MONTH OF FEBRUARY-2020	Side of: Area of Tack coat Tack coat	BHS 1346.4	BHS 738	BHS 572	BHS 1170		0Lit/M2 Accordin	Specific Gravity of Bitumen 1.024		ERNATIONAL ENGINEERING CO. LTD	Submitted By Contract Manager Rabindra Kr. Thakur
REGIONAL I Bir Cont Daily Applice	SUMMARY F	Station From to	5+600 5+798	0+000 0+164	0+000 0+130	0+000 0+300		at is 0.40 to 0.6	Specif	actor		
		Date of Tack coat	25-Feb-20	27-Feb-20	27-Feb-20	27-Feb-20		ed tack co		Contractor	ION GROUP	6 HD. % 200
	Type of Bitumen:80/100 P.G	Location	R-3	N-8	2-N	R-26	Åte	Require		and the second se	ZHONGHENG CONSTRUCTION GROUP INT	Checked By Engineer Dhirendra Yadav
	be of Bit	S.N.	22	23	24	25	A.				ZHONG	



February, 2020



ASHTO T 245-78) Y 2020 A 2020 A 2020 A 2020 A 2020 A 2025 A 202	ASHTO T 245-78)           Y and the provident of the transmission of transmission of the transmission of transmitleme	ASHTO T 245-78) Y 2020 Y 2000 Y 2020 Y 207	ASHTO T 245-78       A SAFT 2 245-78       T 2 220       T 2 200       T 1 <th>Biratnagar Metropolitan City</th> <th>Contract No: RUDP/ICB/BRT-02</th> <th>Test Result BY MARSHALL METHOD (AASHTO T 245-78)</th> <th>SUMMARY FOR THE MONTH OF FEBRUARY 2020</th> <th>Mix Agg Gradation A Passing Sieve Sizes mm</th> <th>20 16 9.5 4.75 2.36</th> <th>100 78.99 56.08 35.28</th> <th>100 78.45 57.11 37.05</th> <th>34.42</th> <th>100 78.78 55.66 35.29</th> <th>100 79.11 56.31 35.63</th> <th>100 78.14 56.07 36.45</th> <th>100 79.41 56.48 35.89</th> <th>36.60</th> <th>100 78.99 56.17 36.22</th> <th>100 77.74 56.00 37.45</th> <th>100 78,79 55,67 36,15</th> <th>100 78.89 56.08 36.67</th> <th>35.09</th> <th>100 77.72 56.19 36.66</th> <th>100 81,86 57,35 34,65</th> <th>100 77.74 57.38 35.64</th> <th>34.98</th> <th>100 81.97 57.48 34.90</th> <th>100 81.88 57.61 34.82</th> <th>35.74</th> <th>100-100 76-82 54-59 33-37</th> <th>45% Nili 45% 43% 42% 11</th> <th></th> <th>ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AL</th> <th>Submitted By Verifiel By Verifield By</th> <th>Rabindra Kr. Thakur H.K. Mandal/Rajan Shrest</th>	Biratnagar Metropolitan City	Contract No: RUDP/ICB/BRT-02	Test Result BY MARSHALL METHOD (AASHTO T 245-78)	SUMMARY FOR THE MONTH OF FEBRUARY 2020	Mix Agg Gradation A Passing Sieve Sizes mm	20 16 9.5 4.75 2.36	100 78.99 56.08 35.28	100 78.45 57.11 37.05	34.42	100 78.78 55.66 35.29	100 79.11 56.31 35.63	100 78.14 56.07 36.45	100 79.41 56.48 35.89	36.60	100 78.99 56.17 36.22	100 77.74 56.00 37.45	100 78,79 55,67 36,15	100 78.89 56.08 36.67	35.09	100 77.72 56.19 36.66	100 81,86 57,35 34,65	100 77.74 57.38 35.64	34.98	100 81.97 57.48 34.90	100 81.88 57.61 34.82	35.74	100-100 76-82 54-59 33-37	45% Nili 45% 43% 42% 11		ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AL	Submitted By Verifiel By Verifield By	Rabindra Kr. Thakur H.K. Mandal/Rajan Shrest
ar Metropolitan City wa KUDP/ICB/RRT-02 LL METHOD (ASHTO I 245-78) TH OF FEBRUARY 2020 T Agg Gradation sing Sieve Sizes mm sing Sieverses size size size size size size size size	ar Metropolitan City vo. RUDPrICB/BRT-02 LL METH-DD (AASHTO T 245-78) TH OF FEBRUARY 2020 TH OF FEBRUARY 2020 TH OF FEBRUARY 2020 Activity Silver Sizes mm sing Silver Sizes mm size size size size size size size size	ar Metropolitan City vs: RIDP/ICB/BRT-D2 LL METHOD ASHTO 7 245-78] LL METHOD ASHTO 7 245-78] TH OF FEBRUARY 2020 TH OF FEBRUARY 20	T 245-78)       IT 245-78)       Iteration framming and an element framing and an element framing an element	Biratnag	Contract 1	sult BY MARSHA	Y FOR THE MON	Mi % Pas	16	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100-100			ERING CO. LTD	Submitted By Contract Manager	Rabindra Kr. Thakur
olitan City           ICBRUARY 2020           FEBRUARY 2020           Cententrine Mix           Sizes mm           Sizes mm           Cententrine Mix           Sizes mm           Sizes mm           Cententrine Mix           Sizes mm           Sizes mm           Sizes mm           Sizes mm           Cententrine Mix           Sizes mm	olitan City           CEBRUARY 2020           CEBRUARY 2020           CEBRUARY 2020           Colspan="2">Immune Sizes mm         Immune Sizes me Sizes 557 571 2.366 3.333         Sizes 3.366 3.373         Sizes 3.366 3.373         Sizes 3.366 3.373         Sizes 3.366 3.373         Sizes 3.366 3.373         Sizes 3.366 3.366         Sizes 3.366 3.366         Sizes 3.366          Sizes 3.366 <th< td=""><td>olitan City       CIEBRUARY 2021       CIEBRUARY 2021       CIEBRUARY 2021       CIEBRUARY 2021       CIEBRUARY 2020       diation       Immediation       Sites mm       Sites mm       Sites mm       Sites mm       Sites mm     Colspan="2"&gt;Sites mm       Sites mm       Sites mm     Colspan="2"&gt;Sites mm       Sites mm     Sites mm     Colspan="2"&gt;Sites mm       Sites mm     Sites mm     Colspan="2"&gt;Sites mm       Sites mm     Sites mm     Sites mm     No. No. No. No. No. No. No. No. No. No.</td><td>olitan Ciy       CBBRT-03       FID ASH1D 1245-78)       FID ASH1D 1245-78)       FID ASH1D 1245-78)       ASIS CIST CIST       Sites mm     Sites mm       Sites</td><td>igar Metrop</td><td>t No: RUDP/</td><td>ALL MET</td><td>NTH OF F</td><td>fix Agg Gra assing Sieve</td><td></td><td>++</td><td>+</td><td>+</td><td>+</td><td></td><td></td><td>+</td><td>+</td><td>-</td><td>-</td><td></td><td>+</td><td>-</td><td>+</td><td></td><td>+</td><td>+</td><td>+</td><td></td><td>-</td><td>1</td><td>-</td><td>_</td><td>BUILDIN</td><td></td><td>_</td></th<>	olitan City       CIEBRUARY 2021       CIEBRUARY 2021       CIEBRUARY 2021       CIEBRUARY 2021       CIEBRUARY 2020       diation       Immediation       Sites mm       Sites mm       Sites mm       Sites mm       Sites mm     Colspan="2">Sites mm       Sites mm       Sites mm     Colspan="2">Sites mm       Sites mm     Sites mm     Colspan="2">Sites mm       Sites mm     Sites mm     Colspan="2">Sites mm       Sites mm     Sites mm     Sites mm     No.	olitan Ciy       CBBRT-03       FID ASH1D 1245-78)       FID ASH1D 1245-78)       FID ASH1D 1245-78)       ASIS CIST CIST       Sites mm     Sites mm       Sites	igar Metrop	t No: RUDP/	ALL MET	NTH OF F	fix Agg Gra assing Sieve		++	+	+	+			+	+	-	-		+	-	+		+	+	+		-	1	-	_	BUILDIN		_
ASHTO T 245-78) Y 2020 A 2020 6 0,075 5, 5, 7, 1, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	XSHTO T 245-78)       (Y 2020)       Interment Framm     Interment Framm     Interment Framm     Interment Framm       57     7.11     5.74     2.364     3.35       57     7.11     5.80     2.364     3.57       58     7.11     5.80     2.364     3.57       58     7.11     5.80     2.364     3.53       38     5.87     2.364     3.35       38     5.87     2.363     3.33       39     5.68     2.367     3.34       30     6.63     5.79     2.366     3.33       30     5.95     5.71     2.369     3.33       30     6.63     5.71     2.369     3.33       31     6.83     5.71     2.369     3.33       30     5.66     5.73     2.367     3.34       30     6.63     5.71     2.369     3.33       31     5.71     2.369     3.36     3.36       31     5.73     2.367     2.367     3.36       31     5.73     2.366     3.36     3.36       32     6.03     5.74     2.366     3.36       31     5.74     2.366     3.36	KSHTO T 245-78)       Y 2020       Immuni Si 7 117 5/34 2364 3.54 16.80       Immuni Si 7.11 5.34 2364 3.57 16.96       Si 7.12 2369 3.57 16.96       Si 7.12 2369 3.57 16.96       Si 7.12 2369 3.57 16.96       Si 7.12 2367 3.33 16.45       Si 7.12 2367 3.34 16.97       Si 7.12 2367 3.34 16.93       Si 8.64 2.367 3.34 16.93       Si 8.71 2.366 3.541 3.34 16.93       Si 8.71 2.366 3.541 3.341 16.93       Si 8.71 2.366 3.541 16.94       Si 8.71 2.363 3.51 16.96       Si 8.64 2.366       Si 8.64 3.661       Si 8.64 3.661       Si 8.64 3.661	ASHTO T 245-78)         V 2020         Immuni minute menun me	politan City	TCB/BRT-02	HOD (AF	FEBRUAR	adation Sizes mm	-	+ +	-	+	-		-	-	-	-	+		-	+	+		+	+	-		-	1	-		NG DESIGN AU	SurveyoricsE	dal/Rajan Shrest
245-78) 245-78 245-78 Ritement Free Mix Extension fait and the mark free mixed free mixe	245-78)       245-78)       Extension From Sing Air Vo.	245-78)       245-78)       Immuni Entention Train Entention Train Sci 10, 10, 10, 10, 10, 10, 10, 10, 10, 10,	245-78]       A45-78]       Immuni Imm			<b>ASHTO T</b>	Y 2020				-	-	-			_	-	-	1		+	+	-		_	-	1		-	-			UTHORITY (P) ENGINEER		tha
	mice Nr Vo mice Nr Vo 364 3.54 364 3.55 365 3.55 365 3.57 366 3.37 367 3.57 366 3.37 366 3.37 366 3.36 366 3.36 366 3.36 37 366 3.36 366 3.60 37 966 3.60 3.60 37 966 3.60 3.60 3.71 966 3.60 3.60 3.72 3.60 3.72 3.60 3.60 3.60 3.60 3.60 3.60 3.60 3.60	Density mice         Air %         Van %           364         3.54         16.80           364         3.57         16.96           363         3.65         16.96           363         3.57         16.09           365         3.54         16.80           365         3.57         16.06           365         3.54         16.61           366         3.74         16.93           367         3.35         16.61           367         3.35         16.61           367         3.35         16.63           367         3.35         16.63           367         3.35         16.63           367         3.35         16.63           367         3.36         16.64           366         3.60         16.96           377         16.58         16.66           373         3.29         16.66           366         3.60         16.63           377         16.58         16.64           366         3.67         16.64           373         3.29         16.64           366         3.67         16.64	America         VAA X, Sability         Stability         N           mice         %         NAA X, Sability         Stability         N           364         3.54         16.80         10379         9           364         3.55         16.96         10157         9           363         3.57         16.96         10157         9           366         3.74         16.93         10421         9           367         3.35         16.61         9888         9           366         3.74         16.93         10421         9           367         3.35         16.61         90133         9         9           367         3.35         16.61         90133         9         10133           366         3.36         16.51         9941         9         10133           367         3.35         16.64         10133         9         10133           366         3.37         16.58         10133         10133           366         3.06         10133         10133         10133           366         3.06         10357         9845         9353         10357			245-78)		Eltamore Context From Mix	Extraction Test g	+	+	+	+	+		-		+	+		-	+	+		-	+	+	+	Y	1	±0.3%	Con	LTD IN JOINT VE	a fer	





	February	2020 Cancrete Sand		Remarks								44													BUILDING DESIGN AUTHORITY (P) LTBUB JOINT VENTURE WITH B.N. CONSULTANCY PYT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMARDU, NEPAL			Bv	ler
	Febr	20 Cancre		Contetnt02	N.ET	111	1.92	1.28	0.94	0.88	1.37	1./9	1.15	14.1	60.1	1 177	1.25	1.27	1.20	1.26	1.12	1.49	3%	>	BING DESIGN AUTHORIPY (P) LTBTB JOINT VENTURE V B.N. CONSULTANCY PYT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMARDU, NEPAL		¥	Approved By	Team Leader
	4	Jo	-	0.150	0.5.0	5.37	5.03	10.92	5.59	5.24	6.51	041	14.2	0.40	57.7	8.36	6.06	4.63	7.06	5.34	7.67	8.39/	0-18		D PLUS	JEN .	1.4		
	Month	Type of Manual	ioht	0300	20.07	12.24	12.58	19.44	13.37	13.32	22.62	11.62	18.44	22 22	26.96	27.11	13.51	14.19	13.45	11.48	14.53	29.25	5-74	Considitati	Y (P) LT LTD AN D, KATI		- Thing the Bart		
Sand			sing by we	0.600	45.48	32.25	32.22	39.44	36.10	34.00	32.47	20.00	10.00	25.37	37.10	37.79	23.95	29.28	22.07	20.17	22.20	40.25	12-190	>	HORE Y PVT. S (P) LT	10	4		
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 <u>Summary Sheet of Monthly Test Report of Cancrete Sand</u>			nm / % Pas	1.18	62.50	53.56	52.39	63.87	58.19	57.40	56.77	67.41	44.57	54.94	57.39	57.75	48.28	52.72	53.34	54.93	35.51/	55.35	50~M0	>	GN AUT ULTANC				r/CSE Shrestha
litan Ci B/BRT- port of C			Sieve Size in mm / % Passing hv weight	2.36	86.97	76.73	73.70	87.51	84.68	84.87	10.00	81 53	20.29	68.74	67.54	67.97	78.56	74.35	79.72	80.45	67.72	10.83/	00/-00	>	VG DESI V. CONSI ARCI	i	.	Ň	Surveyo
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 heet of Monthly Test Report of Car			Sie	5.0	94.95	94.53	93.98	94.90	94.85	00.00	FU 10	93.53	89.55	97.29	62'16	91.64	91.15	93.46	10.16	92.55	95.24	94.13	1 100-60		BUILDIN B.P	8	Did	Verified By	Expert Qty Surveyor/CSE H.K. Mandal/Raian Shrestha
nagar N act No:-				10	100.00	100.00	100.00	100.00	100,00	100.001	100.00	100.00	100.00	100.00	100,00	100.00	100.00	100.00	100.00	100.00	100.00	100.001		-			1	~	
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report of Cancrete Sand				Source of Sample	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chicano Vhola	Chisang Khola	Sher Limit -	· married		CROUP INTERNATIONAL	0	(hl	Submitted By	Contract Manager Rabindra K. Thakur										
201			Location of	Sample	T3L25A	TIL8B	Madhura Mard	K-12 Tot 0.4	T11 7B	N-32	TILTC	TIL8C	R-5	R-17	R-46	T3L10A	T3LI0A	13L23A	N-3	Kochi vard	R-26	07-01		Contractor	INSTRUCTION GROUP II	and pa. UD. * ZHONOGE			U H
			Date of	Testing	2-Feb-20	2-Feb-20	4-Feb-20	4-reb-20	7-Feh-20	9-Feb-20	10-Feb-20	10-Feb-20	11-Feb-20	11-Feb-20	12-Feb-20	12-Feb-20	12-Feb-20	12 Cat 20	14-Feb-20	14-Feb-20	16-Feb-20				ENGINI				
			I ah Raf no	THE PARTY IN	RUDP-CS-604	RUDP-CS-605	DUDE-CS-000	RUDP-CS-608	+	+	-	-			-	-	RUDP-CS-61/	_	-	-	-				ZHONGHENG CONSTRUCTION			Checked By	Dhirendra Yadav

	uary	Cancrete Sand		Remarks																BUILDING DESIGN AUTHORITY (P) DEBIN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	,		Bv	ler
	February	Cancrel	Clav	Contetnt%	1.49	1.08	1.54	1.50	1.13	1 23	113	1.21	/	>				3%		DING DESIGN AUTHORITY (P) DTD IN JOINT VENTURE V B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		9	Approved Bv	Team Leader
	£ .	of ial		0.150	7.94	5.87	8.54	12.41	17.01	3.01	5.91	6.66	1	>				0~15		D'IN JO ND PLUS	JE .	A		
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report of Cancrete Sand	Month	Type of Material	sight	0.300	18.79	24.37	20.87	22.40	13.10	18.76	10.64	13.67					-	5-70	Consultant	Y (P) DI . LTD AI		Biratnagal		
Sand			ssing by we	0.600	33.77	42.33	29.40	37.28	34.10	36.78	33.35	37.87	/	>			10.44	15~100	0.	CY PVT CY PVT IS (P) L7	Gorer	w/		
ty 02 Cancrete			mm / % Pa	1.18	50.28	51.81	61.58	54.79	11./C	46.50	39.20	48.04	1	>			001.05	30~100		IGN AU ULTAN HITECT				or/CSE
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 heet of Monthly Test Report of Ca			Sieve Size in mm / % Passing by weight	2.36	62.83	74.13	82.32	81.32	68.37	70.82	79.78	71.95	1				00 100	001~09		NG DES N. CONS ARC	No		By	Expert Qty Surveyor/CSE H.K. Mandal/Raian Shrestha
fetropo RUDP/I v Test Ro			Si	5.0	94.41	94.13	95.25	92.97	14.02	95.41	94.40	92.64	5				00 100	001~60		BUILDI B.	Œ	309	Verified By	Expert Qt
act No:-				10	100.00	100.00	100.00	100.00	100.001	100.00	100.00	100.00	1				TAN	1001		IAL				1
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report of Cancrete Sand			Courses of Comula	source of sample	Chisang Khola					Snec 1 imit -	1 HINT Sale		ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LITD	V	MN	Submitted By	Contract Manager Rabindra K. Thakur							
			Location of	Sample	Madhura Mard	S-13C	T2L24	Kashi Vard	R-3	N-4	T2L19K	Madhura Mard							Contractor	INSTRUCTION GROUP I	to ca tro. * Zilulia			
			Date of	Testing	16-Feb-20	18-Feb-20	20-Feb-20	27-Feh-20	23-Feb-20	25-Feb-20	27-Feb-20	28-Feb-20		T						ENGIN				
			Lab.Ref no.	THOMAS INC.			RUDP-CS-625	_	-	-	-	RUDP-CS-631								HONGHENG		AV.	Checked By	Engineer Dhirendra Yadav
			S.n.	-	20	21	22	24	25	26	27	28								Z		Ø	Chec	Engineer

			50	Remarks	CUININ																				WITH		<u> </u>
	February	2020	20 mm Agg	A.I.V.%		11.12	19.07	21.28	21.94	21.33	22.12	19.33	20.66	20.43	19.72	08.61	17.67	21.32	18.87	18.26	18.81	19,78	<25		VENTURE GINEERS	2	Approved By Team Leader Giresh Chand
	-		srial	Fland EI % A	+	18.30/14.18	+	+		+	87 01/10 21	+		H	+	10 50/15.85	+	+	18.45/17.04			.17	×25		BUILDING DESIGN AUTHORITY (RYLTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		
ECI	Month	Year	Type of Material	L.A.A.% F	+	28.84	+	Н	+	26.96 1	+	+	-	-	+	27.76	+	-	29.58 1		28.02 13	28.06 20	×35	Any Goussultant	TV (0) LTD AN	Aratman A	
KOJ				T	+	2.44	1.30	1.36	2.08	1.09	1 27	3.41	2.25	2.62	2.17	1.63	1.35	2.43	2.14	3.61	3.04	3.27 /	0-51	MIL	TS-(P)	1	
ENT I ity -02 f20mm A				Sieve Size in mm / % Passing by weight	10	00.0	4.10	4.16	4.75	10.01	4.94	10.71	14.63	10.54	11.20	3.99	3.01	5.09	6.92	11.16	9.71	10.81	0-25~		SIGN AU VSULTA		y /or/CSE Shrestha
UPINI litan C CB/BRT Seport o				n / % Pas	14 20	67.04	25.00	25.40	26.65	38.38	35.24	26.50	58.27	24.70	26.02	22.78	21.30	39.18	16.83	23.91	23.01	23.25/	0/-0		ING DE	Na	Expert Oty Surveyor/CSF H.K. Mandal/Rajan Shrestha
LVEL letropo RUDP/IC ly Test J				Size in mi	20 20	20.02	91.46	89.80	88.41	88.05	26.06	93.64	94.32	90.95	89.57	92.61	87.29		94.65		-	-	85~100		BUILD	8g	Expert Oty Surveyor/CSE H.K. Mandal/Raian Shrestha
IKBAIN DEVELOPMEL Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Sheet of Monthly Test Report of 21				Sieve	37.5	100.001	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	100.90	000		T		
KEGIONAL UKBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 <u>Summary Sheet of Monthly Test Report of 20mm Agg.</u>				Source of Sample	Chisana Khola	Chicano Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	-	Spec. Limit :		TERNATIONA	M	Submitted By Contract Manager Rabindra K. Thakur							
NEGIOI				Jo	T31.25A	TILRR	R-12	T2L24	TLTC	TILSC	R-17	R-5	R-4	Madhumara Yard	T21 10A	T3L25A	N-3	N-34	R-26	S-13C	Koshi yard	Aadhumara Yard		Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD		
				Date of Testing	2-Feh-20	3-Feb-20	3-Feb-20	5-Feb-20	0-1-cp-70	10-Feb-20	10-Feb-20	11-Feb-20	11-Feb-20	12-Feb-20 N	12-Feb-20	13-Feb-20	14-Feb-20	15-Feb-20	16-Feb-20	18-Feb-20	1	19-Feb-20 M		Cor	CONSTRUCT ENGINEER		
				Lab.Ref no.	RUDP-CA-527	RUDP-CA-528	RUDP-CA-529	RUDP-CA-530	PUDE-CA-331	RUDP-CA-533	RUDP-CA-534	RUDP-CA-535	RUDP-CA-536	RUDP-CA-537	RTIDP-CA-530	RUDP-CA-540	RUDP-CA-541	RUDP-CA-542	RUDP-CA-543	RUDP-CA-544	RUDP-CA-545	RUDP-CA-546			ZHONGHENG	1 TH	Checked By Engineer Dhirendra Yadav
				S.n.	-	2		+	0 4	2	8	-	+	1	-	-	15	+	-	-	-	20				N.	Dhir

	February	2020	390	Remarks															RE WITH RS &	1	ed By sader band
	Febr	20		A.L.V.%	17.95	18.34	20.12	19.24	18.36	21.49	20.86	>					<25		T VENTU NGINEEJ NEPAL	d	Approved By Team Leader Giresh Chand
	ith	ar Aaterial		Fl and El %	17.64/14.53	19.12/17.38	16.99/17.33	17.29/15.92	18.95/15.47	20.21/15.32	1/10/1021	>					< 25	N	BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT-LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		
1040	Month	Year Type of Material	10111	L.A.A.%	29.28	26.76	25.80	26.04	25.12	24.12	67.67	>					-35 III IDI	Consultant	UTX (P) I TT. LTD LTD, KA	Biromanal	-
Agg.			eight	5	3.02	2.37	1.51	2.63	2.48	01.7	17.7	>					0-5-1	12	UTHOR NVCV PV CTS (P)	in the second se	
City T-02 of 20mm			Sieve Size in mm / % Passing by weight	10	8.95 10 00	7.09	6.55	5.69	5.73	8.29	10.01	>					67-0		ESIGN A NSULTA RCHITE		Expert Oty Surveyor/CSE H.K. Mandal/Rajan Shrestha
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Sheet of Monthly Test Report of 20			mm / % P:	14	+	-	+	42.04	-	52.18	1	>					0/~0		DING DI B.N. CO Al	N	Expert Oty Surveyor/CSI H.K. Mandal/Rajan Shrestha
Metrop - RUDP,			ve Size in 1	20	+	+	-	-	+	97.19	+	D				00, 100	001~00		BUIL	Carl	Expert H.K. Ma
tnagar ract No: t of Mon				3	100.00	100.00	100.00	100.00	100.00	100.00	~	2							AL		By nager hakur
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report of 20mm Agg.			Source of Sample	Chisano Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola						Snac Limit .	- miner sado		VTERNATION	()	Submitted By Contract Manager Rabindra K. Thakur
			Location of	Sample T2L24	R-4	R-3	R-3	R-4	T21.19K	Koshi yard								Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD		
			Date of Testing	19-Feb-20	21-Feb-20	21-Feb-20	21-Feb-20	23-Feb-20 76 Eat-20	27-Feb-20	28-Feb-20								Con	CONSTRUCT		_
			Lab.Ref no.	RUDP-CA-547	RUDP-CA-548	RUDP-CA-549	RUDP-CA-550	RUDP-CA-552	RUDP-CA-553	RUDP-CA-554									HONGHENG	TIT	Checked By Engineer Dhirendra Yadav
			S.n.	-	-	-	24	-	-	28	1	-	1	H	++	-			Z	M	Dhire

	February	2020		iys Remarks	1		2			-	4.					ITH B.N. S (P) LTD,	ed By
			Strength N/mm <sup>2</sup>	28 Days	45.41	46.13	45.62						>43			URE W	Approved By Team Leader
	th	-	Streng	3 days				25.72	25.51				>23			NT VENT	
	Month	Year	Testing	28 Days	4-Feb-20	13-Feb-20	22-Feb-20	3-Mar-20	12-Mar-20				/	>	ltant	LTD IN JOIN ENGINEERS DU, NEPAL	A Provent
			Date of Testing	3 Days	10-Jan-20	19-Jan-20	28-Jan-20	7-Feb-20	16-Feb-20						Consultant	BUILDING DESIGN AUTHORITY (P) LTDAN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	a firstone
TEST			Date of	Casting	7-Jan-20	16-Jan-20	25-Jan-20	4-Feb-20	13-Feb-20							ESIGN AUTI	y yor/CSE
CEMENT 1			Fineness	(%)				1.83	1.78				<10			ULTANC	Verified By Export Oty Surveyor/CSE
SUMMARY SHEET OF CEMENT TEST			Soundnes Fineness	s(mm)				1.85	2.50				<10			BUII	Export
SUMMARY SHEET OF CEMENT TEST			Time	Final (min)				235.00	245.00				Max-600			AL	
,			Consistancy & Setting Time	Initial(Min) Final (min)				80.00	95.00	**			Min-30			RNATION	d By mager
-			Consistan	Normal Cons.(%)				29.20	28.75						tor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD	Submitted By Contract Manager
			Tetsing Date	_	7-Jan-20	16-Jan-20	25-Jan-20	-4-Feb-20	13-Feb-20				Sp.Limit:		Contractor	ONSTRUCTION GROUP ENGINEERING CO. LT	S CO. UD HE ZILLING
			Type of cement		Ambe hi-tech	. 14			Sp.I			ICHENG CON	And By Engineer				
			S.N. Ref.no		61	62		+	65					Comments:-		ZHON	Contraction of the second seco
			S.N.		1	2	m	4	2					Com			

Regional Urban Development Project (RUDP)

		KI	c	RBAN DE Biratnagar Me ontract No:- R Immary Sheet Of	tropolitan UDP/ICB/I	BRT-02	JECT	
						-	Month	February
							Year Type of Material	2020 Brick
S.N.	Lab Ref.No.	Testing Date	Location of Sample	Source of Brick	Name of Brick	Water Absorption of Brick(%)	Strength of Brick(N/mm <sup>2</sup> )	Remarks
1	1075	1-Feb-20	T3L25A	Dadarbairya	ACC	12.79	14.23	
2	1076	2-Feb-20	T1L8B	Dadarbairya	ACC	14.06	13.16	
3	1077	2-Feb-20	R-12	Dadarbairya	ACC	14.21	14.16	
4	1078	2-Feb-20	T2L24	Dadarbairya	ACC	17.10	15.62	
5	1079	3-Feb-20	T1L7B	Dadarbairya	ACC	13.89	12.95	
6	1080	3-Feb-20	N-32	Dadarbairya	Anand	13.33	14.26	
7	1081	3-Feb-20	T1L7C	Dadarbairya	Anand	13.87	13.07	
8	1082 1083	3-Feb-20	T1L8C	Dadarbairya	Anand	14.55	14.28	
10	1083	3-Feb-20 3-Feb-20	R-12 R-5	Dadarbairya	ACC	15.67	14.34	
10	1084	4-Feb-20	R-46	Dadarbairya	ACC	13.10	15.58	
12	1085	4-Feb-20 4-Feb-20	T3L10A	Dadarbairya	ACC	13.98	15.44	-
13	1080	4-Feb-20 4-Feb-20	T3L25A	Dadarbairya Dadarbairya	Anand ACC	13.66	15.36	
14	1087	5-Feb-20	N-3	Dadarbairya	ACC	14.91 15.47	13.00 13.99	
15	1089	5-Feb-20	N-34	Dadarbairya	ACC	13.66	15.45	
16	1090	5-Feb-20	R-26	Dadarbairya	Anand	14.72	15.50	
17	1091	5-Feb-20	S-13C	Dadarbairya	ACC	14.72	14.85	
18	1092	5-Feb-20	T2L24	Dadarbairya	ACC	15.68	14.77	
19	1093	5-Feb-20	R-3	Dadarbairya	ACC	15.62	15.12 -	
20	1094	6-Feb-20	N-4	Dadarbairya	ACC	13.76	13.74	
21	1095	6-Feb-20	T2L19X	Dadarbairya	ACC	15.75	14.54	
22	1096	6-Feb-20	R-17	Dadarbairya	ACC	14.20	13.55	-
23	1097	7-Feb-20	N-32	Dadarbairya	ACC	15.86	15.21	
24	1098	7-Feb-20	T1L7C	Dadarbairya	ACC	14.85	16.39	
25	1099	7-Feb-20	N-32	Dadarbairya	Anand	15.35	15.15	
26	1100	8-Feb-20	T1L7B	Dadarbairya	Anand	16.10	16.41	
27	1101	8-Feb-20	T2L24	Dadarbairya	Anand	16.03	15.63	
28	1102	8-Feb-20	R-12	Dadarbairya	ACC	14.68	16.16	
29	1103	10-Feb-20	T1L8B	Dadarbairya	Anand	14.68	15.22	
30	1104	10-Feb-20	T3L25A	Dadarbairya	Anand	14.33	15.09	
31	1105	10-Feb-20	N-34	Dadarbairya	ACC	14.91	16.60	
32	1106	10-Feb-20	R-26	Dadarbairya	ACC	14.28	15.39	
33	1107	11-Feb-20	S-13C	Dadarbairya	ACC	14.22	14.23	
omn	nents:-	-	Sp. Limit			<20%	>8 to 10 N/mm <sup>2</sup>	-
-			Contractor			(S Consul	- Contraction	
ZHON	GHENG C	1 spin-		ENGINEERING CO.	BUILDING I CONSULTAN	DESIGN AUTHORITY (P) L NCY PVT. LTD AND PLUS E KATHMAND	TD IN JOINT VENTURE	WITH B.N. CTS (P) LTD,
		and a	K 100 00 00 00 0	5		Birat	nan ar a sh	1
	hu ked By		Submitte		-Mar	rentied By	Approved	
	ineer Ira Yadav		Contract M Rabindra Kr			Qty Surveyor/CSE dal/Rajan Shrestha	Team Lead Giresh Cha	



		I	c	Biratnagar Me ontract No:- Ri ummary Sheet Of	tropolitan UDP/ICB/I	3RT-02	ieci .	
							Month	February
							Year	2020
s.n.	Lab Ref.No.	Testing Date	Location of Sample	Source of Brick	Name of Brick	Water Absorption of Brick(%)	Type of Material Strength of Brick(N/mm <sup>2</sup> )	Brick
34	1108	12-Feb-20	R-3	Dadarbairya	Anand	15.00	15.76	
35	1109	12-Feb-20	N-4	Dadarbairya	Anand	14.81	16.12	
36	1110	12-Feb-20	T2L19X	Dadarbairya	Anand	14.59	15.25	1
37	1111	13-Feb-20	R-17	Dadarbairya	ACC	14.96	15.65	
38	1112	13-Feb-20	T2L24	Dadarbairya	ACC	15.57	15.27	
39	1113	14-Feb-20	T3L10A	Dadarbairya	Anand	13.90	14.98	
40	1114	14-Feb-20	T1L8C	Dadarbairya	Anand	12.13	16.20	
41	1115	14-Feb-20	R-26	Dadarbairya	Anand	14.25	15.05	
42	1116	14-Feb-20	R-46	Dadarbairya	Anand	13.06	16.48	-
43	1117	14-Feb-20	T3L25A	Dadarbairya	Anand	16.86	15.01	
44	1118	15-Feb-20	T1L8B	Dadarbairya	Anand	12.61	14.82	
45	1119	15-Feb-20	R-12	Dadarbairya	Anand	13.82	15.04	
46	1120	15-Feb-20	T3L24	Dadarbairya	Anand	12.86	14.96	
17	1121	15-Feb-20	T1L7B	Dadarbairya	Anand	13.32	12.97	
48	1122	15-Feb-20	N-32	Dadarbairya	Anand	13.27	13.48	
19	1123	15-Feb-20	T1L7C	Dadarbairya	ACC	13.09	14.77	
50	1124	15-Feb-20	T1L8C	Dadarbairya	ACC	15.07	12.99	
51	1125	16-Feb-20	R-12	Dadarbairya	ACC	15.53	14.50	
52	1126	16-Feb-20	R-5	Dadarbairya	Anand	14.40	14.39	
53	1127	16-Feb-20	R-46	Dadarbairya	Anand	14.64	12.65	
54	1128	16-Feb-20	T3L10A	Dadarbairya	Anand	14.55	13.92	
55	1129	16-Feb-20	T3L125A	Dadarbairya	Anand	16.08	13.71	
56	1130	17-Feb-20	N-3	Dadarbairya	Anand	14.50	15.00	
57	1131	17-Feb-20	R-26	Dadarbairya	ACC	15.17	14.04	
58	1132	17-Feb-20	S-13C	Dadarbairya	ACC	14.63	14.34	
59	1133	17-Feb-20	T2L24	Dadarbairya	ACC	13.39	15.17	
50	1134	17-Feb-20	R-3	Dadarbairya	ACC	14.38	15.48	
51	1135	17-Feb-20	N-4	Dadarbairya	Anand	14.49	15.02	
52	1136	17-Feb-20	T2L19X	Dadarbairya	Anand	13.70	16.11	
53	1137	18-Feb-20	R-17	Dadarbairya	Anand	14.73	15.18	
54	1138	18-Feb-20	R-46	Dadarbairya	Anand	15.45	15.53	
55	1139	18-Feb-20	R-12	Dadarbairya	ACC	14.40	16.37	
56	1140	18-Feb-20	R-5 Sp. Limit	Dadarbairya	ACC	12.69 <20%/	15.63 >8 to 10 N/mm <sup>2</sup>	1
omn	nents:-	TION GROUP IN TER		ŕ		Consul	VY PET GA	
HON	IGHENG	Contraction of the second		ENGINEERING CO.		DESIGN AUTHORITY (P) L ICY PVT. LTD AND PLUS N KATHMAND	NGINEERS & ARCHITE	
	ked By tineer		Submitt Contract M Rabindra Kr	anager	Expert (	(erified By Daty Surveyor/CSE dat/Rajan Shrestha	Approved Team Lead Giresh Cha	er



		RE	С	RBAN DE Biratnagar Me ontract No:- RI Immary Sheet Of	tropolitan JDP/ICB/E	City 3RT-02	JECT			
							Month	February		
							Year	2020		
5.N.	Lab Ref.No.	Testing Date	Location of Sample	Source of Brick	Name of Brick	Water Absorption of Brick(%)	Type of Material Strength of Brick(N/mm <sup>2</sup> )	Brick Remarks		
67	1141	19-Feb-20	TIL8C	Dadarbairya	ACC	15.33	15.54			
68	1142	19-Feb-20	N-32	Dadarbairya	ACC	13.45	14.37			
69	1143	19-Feb-20	T1L7C	Dadarbairya	ACC	12.62	13.12			
70	1144	19-Feb-20	T2L24	Dadarbairya	ACC	14.60	14.56			
71	1145	19-Feb-20	R-12	Dadarbairya	ACC	14.09	15.84			
72	1146	19-Feb-20	T1L8B	Dadarbairya	Anand	12.57	15.22			
73	1147	20-Feb-20	T3L25A	Dadarbairya	Anand	15.55	15.40			
74	1148	20-Feb-20	R-3	Dadarbairya	ACC	14.76	15.67			
75	1149	20-Feb-20	N-4	Dadarbairya	ACC	14.91	14.09			
76	1150	21-Feb-20	T2L19X	Dadarbairya	ACC	13.77	13.06			
77	1151	21-Feb-20	R-17	Dadarbairya	ACC	13.88	15.37			
78	1152	21-Feb-20	T1L7B	Dadarbairya	Anand	14.32	14.39			
79	1153	21-Feb-20	N-32	Dadarbairya	Anand	14.30	13.62			
80	1154	21-Feb-20	N-32	Dadarbairya	Anand	13.85	13.28			
81	1155	21-Feb-20	T1L7C	Dadarbairya	Anand	14.72	14.78			
82	1156	21-Feb-20	T1L8C	Dadarbairya	Anand	13.95	13.07	-		
83	1157	22-Feb-20	R-5	Dadarbairya	ACC	15.17	13.88			
84	1158	22-Feb-20	R-12	Dadarbairya	ACC	15.32	16.00	-		
85	1159	23-Feb-20	T3L10	Dadarbairya	ACC	13.99	13.20 15.82			
86	1160	23-Feb-20	N-3	Dadarbairya	ACC	15.40 16.18	13.82			
87	1161	23-Feb-20	N-34	Dadarbairya Dadarbairya	ACC	13.77	13.52			
88	1162	25-Feb-20	T2L19X	Dadarbairya	Anand	15.77	15.05			
89	1163	25-Feb-20	T1L8C	Dadarbaliya	Ananu	15.71	15.05			
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						-200/	> 8 to 10 N/mm <sup>2</sup>	-		
			Sp. Limit			<20%	>8 to 10 N/mm <sup>2</sup>			
.0111	ments:-		4			sytherity	(P) LIT.B			
		LINDUP	Contractor			S Cons	ultant			
ZHO	NGHENG	CONSTRUCTION	GROUP INTERNATIONA	AL ENGINEERING CO.	BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N.					
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	24			D	20	fer.	at			
Suit				W	the second			1 Put		
	ecked By		Submi	tted By Manager	Exper	t Qty Surveyor/CSE	Approved Team Lea			
	ngineer ndra Yadav			Kr. Thakur		andal/Rajan Shrestha	Giresh Ch			



			REGIO		JRBAN D Biratnagar M Contract No:- nary Sheet of C	Aetropolit RUDP/ICB	an City /BRT-02		CT		
								-	P	age No 1 d	of 1
								Month		1	bruary
1								Year		-	2020
1.57			1	T and the				Type of Mater	ial		ic. Cube
S.N.	. Location	Lab Ref.no	. Type of Cemen	t Brand of Cement	Domes of	Date of	Date	of Testing	Strength		Concre
1	TILTA	RUDP-3001	Ambe Hi-tech		Sand+Agg.	Casting	7 Days	28 Days	7 Days	28 Days	Grade
2	T3L25A	RUDP-3002	, January and Andrews	OPC	Chisang Khola	4-Jan-20	11-Jan-20	1-Feb-20		21.56	M20
3	R-12	RUDP-3003	Contraction of the states	OPC	Chisang Khola	4-Jan-20	11-Jan-20	1-Feb-20		22.51	M20
4	R-46	RUDP-3004	The second second	OPC	Chisang Khola	4-Jan-20	11-Jan-20	1-Feb-20		22.62	M20
5	R-16	RUDP-3005		OPC OPC	Chisang Khola	4-Jan-20	11-Jan-20	1-Feb-20		22.47	M20
б	N-31	RUDP-3006		OPC	Chisang Khola	4-Jan-20	11-Jan-20	1-Feb-20		21.70	M20
7	R-12	RUDP-3007			Chisang Khola	4-Jan-20	11-Jan-20	1-Feb-20		23.28	M20
8	R-82	RUDP-3008		OPC OPC	Chisang Khola	S-Jan-20	12-Jan-20	2-Feb-20		23.21	M20
9	TIL8B	RUDP-3009		OPC	Chisang Khola	5-Jan-20	12-Jan-20	2-Feb-20		22.91	M20
10	N-8	RUDP-3010		OPC	Chisang Khola	5-Jan-20	12-Jan-20	2-Feb-20		23,36	M20
11	R-2	RUDP-3011	Ambe Hi-tech	OPC	Chisang Khola	6-Jan-20	13-Jan-20,	3-Feb-20		23,43	M20
12	N-7	RUDP-3012	Ambe Hi-tech	OPC	Chisang Khola	6-Jan-20	13-Jan-20	3-Feb-20		22.18	M20
13	Koshi yard	RUDP-3013	Ambe Hi-tech	OPC.	Chisang Khola	6-Jan-20	13-Jan-20	3-Feb-20		22.91	M20
14	Madhumara Yard	RUDP-3014	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	7-Jan-20	14-Jan-20	4-Feb-20		23.80	M20
15	R-3	RUDP-3015	Ambe Hi-tech	OPC	Chisang Khola	7-Jan-20 7-Jan-20	14-Jan-20	4-Feb-20		27.30	M25
16	N-3	RUDP-3016	Ambe Hi-tech	OPC	Chisang Khola	7-Jan-20 7-Jan-20	14-Jan-20	4-Feb-20		23.23	M20
17	R-26	RUDP-3017	Ambe Hi-tech	OPC	Chisang Khola	7-Jan-20 7-Jan-20	14-Jaa-20	4-Feb-20		22.62	M20
18	TIL8B	RUDP-3018	Ambe Hi-tech	OPC	Chisang Khola	7-Jan-20 8-Jan-20	14-Jan-20	4-Feb-20		22.15	M20
19	N-8	RUDP-3019	Ambe Hi-tech	OPC	Chisang Khola	8-Jan-20 8-Jan-20	15-Jan-20	5-Feb-20		22.91	M20
20	R-5	RUDP-3020	Ambe Hi-tech	OPC	Chisang Khola	8-Jan-20	15-Jan-20	5-Feb-20		23,06	M20
21	R-4	RUDP-3021	Ambe Hi-tech	OPC	Chisang Khola	8-Jan-20	15-Jan-20	5-Feb-20		23.21	M20
22	T2L24	RUDP-3022	Ambe Hi-tech	OPC	Chisang Khola	9-Jan-20	15-Jan-20	5-Feb-20		23.36	M20
23	R-46	RUDP-3023	Ambe Hi-tech	OPC	Chisang Khola	9-Jan-20	16-Jan-20 16-Jan-20	6-Feb-20		23.95	M20
24	R-4	RUDP-3024	Ambe Hi-tech	OPC	Chisang Khola	10-Jan-20	17-Jan-20	6-Feb-20		23.06	M20
25	Madhumara Yard	RUDP-3025	Ambe Hi-tech	OPC	Chisang Khola	10-Jan-20		7-Feb-20		22,81	M20
26	TIL7B	RUDP-3026	Ambe Hi-tech	OPC	Chisang Khola	10-Jan-20	17-Jan-20	7-Feb-20		27.82	M25
27	R-5	RUDP-3027	Ambe Hi-tech	OPC	Chisang Khola	10-Jan-20	17-Jan-20 17-Jan-20	7-Feb-20		22.66	M20
8	Koshi yard	RUDP-3028	Ambe Hi-tech	OPC	Chisang Khola	10-Jan-20	17-Jan-20 17-Jan-20	7-Feb-20		23.36	M20
9	T3L10A	RUDP-3029	Ambe Hi-tech	OPC	Chisang Khola	10-Jan-20	17-Jan-20	7-Feb-20 7-Feb-20		22.62	M20
0	R-16	RUDP-3030	Ambe Hi-tech	OPC	Chisang Khola	10-Jan-20	17-Jan-20	7-Feb-20		21.71	M20
U	R-2	RUDP-3031	Ambe Hi-tech	OPC	Chisang Khola	10-Jan-20	17-Jan-20	7-Feb-20		23,18	M20
2	N-3	RUDP-3032	Ambe Hi-tech	OPC	Chisang Khola	11-Jan-20	18-Jan-20	8-Feb-20		24.17	M20
3	R-46	RUDP-3033	Ambe Hi-tech	OPC	Chisang Khola	11-Jan-20	18-Jan-20	8-Feb-20		21,71	M20
1	R-46	RUDP-3034	Ambe Hi-tech	OPC	Chisang Khola	11-Jan-20	18-Jan-20	8-Feb-20		22.91	M20
5	R-15	RUDP-3035	Ambe Hi-tech	OPC	Chisang Khola	11-Jan-20	18-Jan-20	8-Feb-20		22.69	M20
7	N-31	RUDP-3036	Ambe Hi-tech	OPC	Chisang Khola	11-Jan-20	18-Jan-20	8-Feb-20		23.06	M20
-	N-8	RUDP-3037	Ambe Hi-tech	OPC	Chisang Khola	11-Jan-20	18-Jan-20	8-Feb-20		23.28	M20
+	R-16	RUDP-3038	Ambe Hi-tech	OPC	Chisang Khola	12-Jan-20	19-Jan-20	9-Feb-20		23,28	M20
+	R-3	RUDP-3039	Ambe Hi-tech	OPC	Chisang Khola	12-Jan-20	19-Jan-20	9-Feb-20		23,03	M20
+	T3L25A	RUDP-3040	Ambe Hi-tech	OPC	Chisang Khola	12-Jan-20	19-Jan-20	9-Feb-20		21.71	M20
+	N-3	RUDP-3041	Ambe Hi-tech	OPC	Chisang Khola	13-Jan-20	20-Jan-20	10-Feb-20		22.62	M20
+	R-46	RUDP-3042	Ambe Hi-tech	OPC.	Chisang Khola	13-Jan-20	20-Jan-20	10-Feb-20		23.80	M20
+	TIL7B	RUDP-3043	Ambe Hi-tech	OPC	Chisang Khola	13-Jan-20	20-Jan-20	10-Feb-20	-	23.80	M20
+	R-12	RUDP-3044	Ambe Hi-tech	OPC	Chisang Khola	13-Jan-20	20-Jan-20	10-Feb-20		21.43	M20
+	T2L24 R-82	RUDP-3045	Ambe Hi-tech	OPC	Chisang Khola	14-Jan-20	21-Jan-20	11-Feb-20		21.43	M20 M20
+	R-82 T3L10A	RUDP-3046	Ambe Hi-tech	OPC	Chisang Khola	14-Jan-20	21-Jan-20	11-Feb-20		23.50	M20
-	TOTION	RUDP-3047	Ambe Hi-tech	OPC	Chisang Khola	14-Jan-20	21-Jan-20	11-Feb-20	2	22.76	M20
-	1000	Contracto	or .				Cor	sultant	10	./	inter U
ZH	HONGHENG CONSTRUCTION GROUP TERNATIONAL ENGINEERING CO. LTD				BUILDING DI CONSULTAI	NCY PVI.	THORITY (	) LTD IN JO	EERS & AR	URE WIT	TH B.N. TS (P)
	ed By		Submittee	1 By	Verified By	,	Brannagal .				
inee	er ra Yadav		Contract Ma Rabindra K.T	inager E	Expert Qty Surve I.K. Mandal/Rajar	eyor/CSE Shrestha			Team	oved By Leader h Chand	



			REGIO		JRBAN DI Biratnagar M Contract No:- hary Sheet of Co	fetropolita RUDP/ICB/	n City BRT-02		CT		
					10		-			Page No 1 of	2
								Month		Feb	ruary
								Year		2	020
		1	T			1		ype of Materia		Conc	. Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand+Agg	Date of Casting	1	fTesting		h, N/mm2	Concrete
48	R-26	RUDP-3048	Ambe Hi-tech	OPC		-	7 Days	28 Days	7 Days	28 Days	Grade
49	TIL25A	RUDP-3049	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	14-Jan-20	21-Jan-20	11-Feb-20		23.36	M20
50	R-2	RUDP-3050	Ambe Hi-tech	OPC		14-Jan-20	21-Jan-20	11-Feb-20		23,03	M20
51	Koshi yard	RUDP-3051	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	15-Jan-20	22-Jan-20	12-Feb-20		22.62	M20
52	Koshi yard	RUDP-3052	Ambe Hi-tech	OPC	Chisang Khola	15-Jan-20 15-Jan-20	22-Jan-20	12-Feb-20		22.81	M20
53	Madhumara Yard	RUDP-3053	Ambe Hi-tech	OPC	Chisang Khola	15-Jan-20	22-Jan-20	12-Feb-20		22.95	M20
54	R-4	RUDP-3054	Ambe Hi-tech	OPC	Chisang Khola	15-Jan-20	22-Jan-20	12-Feb-20		27.91	M25
55	N-7	RUDP-3055	Ambe Hi-tech	OPC	Chisang Khola	15-Jan-20	22-Jan-20	12-Feb-20		18,80	M15
56	N-3	RUDP-3056	Ambe Hi-tech	OPC			22-Jan-20	12-Feb-20		22.11	M20
57	R-46	RUDP-3057	Ambe Hi-tech	OPC	Chisang Khola	15-Jan-20	22-Jan-20	12-Feb-20		23.18	M20
58	T3L25A	RUDP-3058	Ambe Hi-tech	OPC	Chisang Khola	15-Jan-20	22-Jan-20	12-Feb-20		22.81	M20
59	R-15	RUDP-3059	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	15-Jan-20	22-Jan-20	12-Feb-20		23.21	M20
60	R-12	RUDP-3060	Ambe Hi-tech	OPC	Chisang Khola	15-Jan-20 15-Jan-20	22-Jan-20	12-Feb-20		22.81	M20
61	R-5	RUDP-3061	Ambe Hi-tech	OPC	Chisang Khola	15-Jan-20 16-Jan-20	22-Jan-20	12-Feb-20		23.36	M20
62	R-84	RUDP-3062	Ambe Hi-tech	OPC	Chisang Khola	16-Jan-20 16-Jan-20	23-Jan-20	13-Feb-20		23.50	M20
63	T3L10A	RUDP-3063	Ambe Hi-tech	OPC	Chisang Khola		23-Jan-20	13-Feb-20		22.18	M20
64	TIL7A	RUDP-3064	Ambe Hi-tech	OPC	Chisang Khola	16-Jan-20	23-Jan-20	13-Feb-20		23.21	M20
65	R-26	RUDP-3065	Ambe Hi-tech	OPC	Chisang Khola	16-Jan-20 16-Jan-20	23-Jan-20	13-Feb-20		21.96	M20
66	Koshi Yard	RUDP-3066	Ambe Hi-tech	OPC	-	the state of the	23-Jan-20	13-Feb-20		23.73	M20
67	Koshi Yard	RUDP-3067	Ambe Hi-tech	OPC	Chisang Khola	16-Jan-20	23-Jan-20	13-Feb-20		32.95	M30
68	T3L39A	RUDP-3068	Ambe Hi-tech	OPC.	Chisang Khola	16-Jan-20	23-Jan-20	13-Feb-20		22.11	M20
69	N-31	RUDP-3069	Ambe Hi-tech		Chisang Khola	16-Jan-20	23-Jan-20	13-Feb-20		23,28	M20
70	T2L24	RUDP-3070	Ambe Hi-tech	OPC	Chisang Khola	16-Jan-20	23-Jan-20	13-Feb-20		22.62	M20
71	T3L10A	RUDP-3071	Ambe Hi-tech	OPC	Chisang Khola	16-Jan-20	23-Jan-20	13-Feb-20		23.65	M20
72	TILSB	RUDP-3072	Ambe Hi-tech	OPC	Chisang Khola	18-Jan-20	25-Jan-20	15-Feb-20		22.96	M20
73	R-16	RUDP-3073	Ambe Hi-tech	OPC	Chisang Khola	18-Jan-20	25-Jan-20	15-Feb-20		22.66	M20
74	Madhumara yard	RUDP-3074	Ambe Hi-tech	OPC	Chisang Khola	18-Jan-20	25-Jan-20	15-Feb-20		23,36	M20
15	R-2	RUDP-3075	Ambe Hi-tech	OPC	Chisang Khola	18-Jan-20	25-Jan-20	15-Feb-20		27.61	M25
76	R-3	RUDP-3076	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	18-Jan-20	25-Jan-20	15-Feb-20		23.65	M20
17	R-15	RUDP-3077	Ambe Hi-tech	OPC	Chisang Khola	18-Jan-20 18-Jan-20	25-Jan-20	15-Feb-20		22.73	M20
18	T3L39A	RUDP-3078	Ambe Hi-tech	OPC	Chisang Khola	18-Jan-20	25-Jan-20	15-Feb-20		22.03	M20
19	R-105	RUDP-3079	Ambe Hi-tech	OPC	Chisang Khola	18-Jan-20	25-Jan-20	15-Feb-20		23,43	M20
0	R-4	RUDP-3080	Ambe Hi-tech	OPC	Chisang Khola	18-Jan-20	25-Jan-20	15-Feb-20		23.43	M20
1	TIL7A	RUDP-3081	Ambe Hi-tech	OPC	Chisang Khola	18-Jan-20 19-Jan-20	25-Jan-20 26-Jan-20	15-Feb-20		17.74	M15
2	R-2	RUDP-3082	Ambe Hi-tech	OPC	Chisang Khola	19-Jan-20 19-Jan-20	26-Jan-20 26-Jan-20	16-Feb-20		23.65	M20
3	N-7	RUDP-3083	Ambe Hi-tech	OPC	Chisang Khola	19-Jan-20 19-Jan-20	26-Jan-20 26-Jan-20	16-Feb-20		22.33	M20
4	R-5	RUDP-3084	Ambe Hi-tech	OPC	Chisang Khola	19-Jan-20 19-Jan-20		16-Feb-20		22.62	M20
5	R-3	RUDP-3085	Ambe Hi-tech	OPC	Chisang Khola	19-Jan-20 19-Jan-20	26-Jan-20	16-Feb-20		22.59	M20
ά (	Koshi Yard	RUDP-3086	Ambe Hi-tech	OPC	Chisang Khola	19-Jan-20 19-Jan-20	26-Jan-20 -	16-Feb-20		23.28	M20
7	N-3	RUDP-3087	Ambe Hi-tech	OPC	Chisang Khola	19-Jan-20	26-Jan-20	16-Feb-20		22.03	M20
8	R-4	RUDP-3088	Ambe Hi-tech	OPC	Chisang Khola	19-Jan-20 19-Jan-20	26-Jan-20	16-Feb-20		23.36	M20
9	R-2	RUDP-3089	Ambe Hi-tech	OPC	Chisang Khola	Carl Carl Color	26-Jan-20	16-Feb-20		22.95	M20
0	R-16	RUDP-3090	Ambe Hi-tech	OPC	Chisang Khola	19-Jan-20	26-Jan-20	16-Feb-20		22.73	M20
1	T2L24	RUDP-3091	Ambe Hi-tech	OPC	Chisang Khola	21-Jan-20	28-Jan-20	18-Feb-20		23.36	M20
2	T3L25A	RUDP-3092	Ambe Hi-tech	OPC	Chisang Khola	21-Jan-20	28-Jan-20	18-Feb-20		23.21	M20
3	R-46	RUDP-3093	Ambe Hi-tech	OPC	Chisang Khola	21-Jan-20 21-Jan-20	28-Jan+20	18-Feb-20		22.73	M20
4	TIL7B	RUDP-3094	Ambe Hi-tech	OPC	Chisang Khola	21-Jan-20 21-Jan-20	28-Jan-20	18-Feb-20		22.18	/ M20
-	6	Contracto	and the second se	0.0	Constang Renota	21-Jan-20	28-Jan-20	18-Feb-20		23.73	M20
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95	R-12	DLIDD 200		Cement	Sand+Agg	Casting	7 Days	28 Days	7 Days	28 Days	Concret Grade
96	N-31	RUDP-309		010	Chisang Khola	21-Jan-20	28-Jan-20	18-Feb-20	, Days	28 Days 21.89	-
97	R-4	RUDP-309		ore	Chisang Khola	21-Jan-20	28-Jan-20	18-Feb-20		23.13	M20
98	R-5	RUDP-309	1.0.0.0.0.0.0.000	OPC	Chisang Khola	21-Jan-20	28-Jan-20	18-Feb-20		23.13	M20 M20
09	R-3	RUDP-309 RUDP-309		OPC	Chisang Khola	21-Jan-20	28-Jan-20	18-Feb-20		22.48	M20
100	R-4	RUDP-309		OPC	Chisang Khola	21-Jan-20	28-Jan-20	18-Feb-20		23.03	M20
101	R-4			OPC	Chisang Khola	22-Jan-20	29-Jan-20 :	19-Feb-20		22.78	M20
102	Koshi yard	RUDP-310		OPC	Chisang Khola	22-Jan-20	29-Jan-20	19-Feb-20		18.05	M15
103		RUDP-310;		OPC	Chisang Khola	22-Jan-20	29-Jan-20	19-Feb-20		23.65	
103	Koshi yard	RUDP-3103		OPC	Chisang Khola	22-Jan-20	29-Jan-20	19-Feb-20		23.65	M20
104	R-2	RUDP-3104		OPC	Chisang Khola	22-Jan-20	29-Jan-20	19-Feb-20			M20
	R-S	RUDP-3105		OPC	Chisang Khola	22-Jan-20	29-Jan-20	19-Feb-20		23.21	M20
106	R-46	RUDP-3106		OPC	Chisang Khola	22-Jan-20	29-Jan-20	19-Feb-20		+ 22,11	M20
107	R-12	RUDP-3107		OPC	Chisang Khola	22-Jan-20	29-Jan-20	19-Feb-20		23.28	M20
108	T2L24	RUDP-3108	Ambe Hi-tech	OPC	Chisang Khola	22-Jan-20	29-Jan-20	19-Feb-20		22.51	M20
109	R-26	RUDP-3109	Ambe Hi-tech	OPC	Chisang Khola	22-Jan-20	29-Jan-20	19-Feb-20		22.91	M20
110	Koshi yard	RUDP-3110		OPC	Chisang Khola	24-Jan-20	31-Jan-20	21-Feb-20		21.96	M20
111	Madhumara yard	RUDP-3111	Ambe Hi-tech	OPC	Chisang Khola	24-Jan-20	31-Jan-20	21-Feb-20		23.43	M20
112	R-16	RUDP-3112	Ambe Hi-tech	OPC	Chisang Khola	24-Jan-20	31-Jan-20	21-Feb-20		27.01	M25
13	N-31	RUDP-3113	Ambe Hi-tech	OPC	Chisang Khola	24-Jan-20	31-Jan-20	21-Feb-20		23.13	M20
14	R-4	RUDP-3114	Ambe Hi-tech	OPC	Chisang Khola	24-Jan-20	31-Jan-20	21-Feb-20		22,66	M20
15	Koshi yard	RUDP-3115	Ambe Hi-tech	OPC	Chisang Khola	24-Jan-20	31-Jan-20	21-Feb-20		22.44	M20
16	Koshi yard	RUDP-3116	Ambe Hi-tech	OPC	Chisang Khola	24-Jan-20	31-Jan-20	21-Feb-20		32.29	M30
17	R-12	RUDP-3117	Ambe Hi-tech	OPC	Chisang Khola	24-Jan-20	31-Jan-20	21-Feb-20		22.33	M20
18	N-31	RUDP-3118	Ambe Hi-tech	OPC	Chisang Khola	24-Jan-20	31-Jan-20	21-Feb-20		23.36	M20
19	T3L25A	RUDP-3119	Ambe Hi-tech	OPC	Chisang Khola	24-Jan-20	31-Jan-20			22,66	M20
20	T2L24	RUDP-3120	Ambe Hi-tech	OPC	Chisang Khola	24-Jan-20		21-Feb-20		22.99	M20
21	T3L25A	RUDP-3121	Ambe Hi-tech	OPC	Chisang Khola	25-Jan-20	31-Jan-20	21-Feb-20		22.33	M20
22	TILSB	RUDP-3122	Ambe Hi-tech	OPC	Chisang Khola	25-Jan-20	1-Feb-20	22-Feb-20	15.65	22.66	M20
23	R-12	RUDP-3123	Ambe Hi-tech	OPC	Chisang Khola	25-Jan-20	1-Feb-20	22-Feb-20	17.59	23.28	M20
14	T2L24	RUDP-3124	Ambe Hi-tech	OPC	Chisang Khola	25-Jan-20	1-Feb-20	22-Feb-20	18.19	22.99	M20
5	R-46	RUDP-3125	Amhe Hi-tech	OPC	Chisang Khola	26-Jan-20	1-Feb-20	22-Feb-20	16.84	. 21.83	M20
6	TIL7B	RUDP-3126	Ambe Hi-tech	OPC	Chisang Khola	26-Jan-20	2-Feb-20	23-Feb-20	18.19	23,13	M20
7	T2L18C	RUDP-3127	Ambe Hi-tech	OPC	Chisang Khola	26-Jan-20	2-Feb-20	23-Feb-20	15.05	21.86	M20
8	N-32	RUDP-3128	Ambe Hi-tech	OPC	Chisang Khola	26-Jan-20 26-Jan-20	2-Feb-20	23-Feb-20	17.67	22.51	M20
	TIL7C	RUDP-3129	Ambe Hi-tech	OPC	Chisang Khola	26-Jan-20	2-Feb-20	23-Feb-20	18.11	23.13	M20
6	TILSC	RUDP-3130	Ambe Hi-tech	OPC	Chisang Khola		2-Feb-20	23-Feb-20	15.73	23.21	M20
	R-4	RUDP-3131	Ambe Hi-tech	OPC	Chisang Khola	26-Jan-20	2-Feb-20	23-Feb-20	14.90	22.03	M20
	Koshi yard	RUDP-3132	Ambe Hi-tech	OPC	Chisang Khola	26-Jan-20 26-Jan-20	2-Feb-20	23-Feb-20	13.93	17.21	M15
5	R-17	RUDP-3133	Ambe Hi-tech	OPC	Chisang Khola	are start and	2-Feb-20	23-Feb-20	17.67	24.10	M20
6	R-4	RUDP-3134	Ambe Hi-tech	OPC	Chisang Khola	27-Jan-20	3-Feb-20	24-Feb-20	15,43	22.73	M20
	B-2	RUDP-3135	Ambe Hi-tech	OPC		27-Jan-20	3-Feb-20	24-Feb-20	16,18	23.43	M20
	R-5	RUDP-3136	Ambe Hi-tech	OPC	Chisang Khola	27-Jan-20	3-Feb-20	24-Feb-20	16,92	22.44	M20
	R-44	RUDP-3137	Ambe Hi-tech		Chisang Khola	27-Jan-20	3-Feb-20	24-Feb-20	16.54	22.66	M20
1	T3L10A	RUDP-3138	Ambe Hi-tech	OPC	Chisang Khola	27-Jan-20	3-Feb-20	24-Feb-20	14.46	23.03	M20
1	R-4	RUDP-3139	Ambe Hi-tech	OPC	Chisang Khola	27-Jan-20	3-Feb-20 .	24-Feb-20	16.02	22,48	M20
	T3L25A	RUDP-3140	Ambe Hi-tech	OPC	Chisang Khola	28-Jan-20	4-Feb-20	25-Feb-20	15.50	23.65	M20
1	B-2	RUDP-3140	Ambe Hi-tech	OPC	Chisang Khola	28-Jan-20	4-Feb-20	25-Feb-20	17.97	23.13	M20
-		Contracto		OPC	Chisang Khola	28-Jan-20	4-Feb-20	25-Peb-20	18.12	23.65	M20
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ZH	ONGHENG ERNATION	AL ENGIN	UCTION GR	OUP D. LTD	BUILDING DI CONSULTAI	ACT PVI.I	HORITY (P	TTD IN 10	ERS & AR	URE WIT CHITECT	H B.N. S (P)
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kee	d By		Submitter Contract Ma		Verloed By		Appr		proved By		
and.	a Yadav		Rabindra K.T		Expert Qty Surve I.K. Mandal/Rajar	yor/CSE			Team	1 Leader	



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S.N	Location	Lab Ref.no.	Type of Cement	Brand of Cement		Date of	Date	of Testing	Strengt	h, N/mm2	Concret
142	N-3	RUDP-3142	Ambe Hi-tech		Sand+Agg.	Casting	7 Days	28 Days	7 Days	28 Days	Grade
143		RUDP-3143	and the second	OPC	Chisang Khola	29-Jan-20	5-Feb-20	26-Feb-20	16.70	23.06	M20
144	-	RUDP-3144		OPC	Chisang Khola	29-Jan-20	5-Feb-20	26-Feb-20	15.05	22.73	M20
145		RUDP-3145		OPC	Chisang Khola	29-Jan-20	5-Feb-20	26-Feb-20	17,06	22.26	M20
146		RUDP-3146	Ambe Hi-tech	OPC	Chisang Khola	29-Jan-20	5-Feb-20	26-Feb-20	16.84	22.66	M20
147		RUDP-3147	Ambe Hi-tech	OPC	Chisang Khola	29-Jan-20	5-Feb-20	26-Feb-20	17.14	22,07	M20
148	-	RUDP-3148	Ambe Hi-tech	OPC	Chisang Khola	30-Jan-20	6-Feb-20	27-Feb-20	14.75	23.06	M20
149		RUDP-3149	Ambe Hi-tech	OPC	Chisang Khola	30-Jan-20	6-Feb-20	27-Feb-20	17.44	22.11	M20
150	Madhumara Yard		Ambe Hi-tech	OPC	Chisang Khola	30-Jan-20	6-Feb-20	27-Feb-20	14.83	22.91	M20
151	R-3	RUDP-3151		OPC	Chisang Khola	30-Jan-20	6-Feb-20	27-Feb-20	21,78	26.86	M25
152	R-4	* RUDP-3151	Ambe Hi-tech	OPC	Chisang Khola	31-Jan-20	7-Feb-20	28-Feb-20	16.77	22.11	M20
153	T2L19X	RUDP-3152 RUDP-3153	Ambe Hi-tech	OPC	Chisang Khola	31-Jan-20	7-Feb-20	28-Feb-20	14.75	22.51	M20
154	Koshi Yard	RUDP-3153	Ambe Hi-tech Ambe Hi-tech	OPC	Chisang Khola	31-Jan-20	7-Feb-20	28-Feb-20	15.65	. 23.20	M20
155	R-44	RUDP-3154	Ambe Hi-tech	OPC	Chisang Khola	31-Jan-20	7-Feb-20	28-Feb-20	18.05	22.11	M20
156	S-13C	RUDP-3155 RUDP-3156	Ambe Hi-tech	OPC	Chisang Khola	31-Jan-20	7-Feb-20	28-Feb-20	17.59	22.76	M20
157	R-4	RUDP-3157	Ambe Hi-tech	OPC	Chisang Khola	31-Jan-20	7-Feb-20	28-Feb-20	17.06	21.95	M20
158	T3L10A	RUDP-3158	Ambe Hi-tech	OPC OPC	Chisang Khola	31-Jan-20	7-Feb-20	28-Feb-20	17.36	23.93	M20
159	R-3	RUDP-3159	Ambe Hi-tech	OPC	Chisang Khola	1-Feb-20	8-Feb-20	29-Feb-20	16,99	22.03	M20
160	N-34	RUDP-3160	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	1-Feb-20	8-Feb-20	29-Feb-20	17.90	22.84	M20
161	T3L21B	RUDP-3161	Ambe Hi-tech	OPC		1-Feb-20	8-Feb-20	29-Feb-20	17,59	22.66	M20
162	R-2	RUDP-3162	Ambe Hi-tech	OPC	Chisang Khola	1-Feb-20	8+Feb-20	29-Feb-20	16,99	22.54	M20
163	R-26	RUDP-3163	Ambe Hi-tech	OPC	Chisang Khola	2-Feb-20	9-Feb-20	I-Mar-20	15.87		M20
64	TIL7B	RUDP-3164	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	2-Feb-20	9-Feb-20	1-Mar-20	17.82		M20
65	R-17	RUDP-3165	Ambe Hi-tech	OPC		2-Feb-20	9-Feb-20	1-Mar-20	15,80		M20
66	R-5	RUDP-3166	Ambe Hi-tech	OPC	Chisang Khola	2-Feb-20	9-Feb-20	1-Mar-20	16.84		M20
67	T3L25B	RUDP-3167	Ambe Hi-tech	OPC	Chisang Khola	3-Feb-20	10-Feb-20	2-Mar-20	17.52		M20
68	TIL8B	RUDP-3168	Ambe Hi-tech	OPC	Chisang Khola	3-Feb-20	10-Feb-20	2-Mar-20	16.26		M20
69	Madhumara Yard	RUDP-3169	Ambe Hi-tech	OPC	Chisang Khola	3-Feb-20	10-Feb-20	2-Mar-20	15.87		M20
70	Koshi Yard	RUDP-3170	Ambe Hi-tech	OPC	Chisang Khula	3-Feb-20	10-Feb-20	2-Mar-20	18,34		M25
71	TIL7C	· RUDP-3171	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	4-Feb-20 4-Feb-20	11-Feb-20	3-Mar-20	17.36		M20
72	R-4	RUDP-3172	Ambe Hi-tech	OPC	Chisang Khola	4-Feb-20 4-Feb-20	11-Feb-20	3-Mar-20	15.20		M20
73	TIL25A	RUDP-3173	Ambe Hi-tech	OPC	Chisang Khola	4-Feb-20 5-Feb-20	11-Feb-20	3-Mar-20	13,35		M15
74	R-3	RUDP-3174	Ambe Hi-tech	OPC	Chisang Khola	5-Feb-20	12-Feb-20	4-Mar-20	16.25		M20
75	N-34	RUDP-3175	Ambe Hi-tech	OPC	Chisang Khola	5-Feb-20	12-Feb-20	4-Mar-20	16.92		M20
76	T3L21B	RUDP-3176	Ambe Hi-tech	OPC	Chisang Khola	5-Feb-20 6-Feb-20	12-Feb-20	4-Mar-20	14.90		M20
77	T3L25A	RUDP-3177	Ambe Hi-tech	OPC	Chisang Khola	6-Feb-20	13-Feb-20	5-Mar-20	16.17		M20
78	R-2	RUDP-3178	Ambe Hi-tech	OPC	Chisang Khola	6-Feb-20	13-Feb-20	5-Mar-20	17,37		M20
79	T2L24	RUDP-3179	Ambe Hi-tech	OPC	Chisang Khola	6-Feb-20	13-Feb-20 13-Feb-20	5-Mar-20	15.28		M20
10	T3L25A	RUDP-3180	Ambe Hi-tech	OPC	Chisang Khola	7-Feb-20	13-Feb-20 14-Feb-20	5-Mar-20 6-Mar-20	16.77		M20
1	T1L7B	RUDP-3181	Ambe Hi-tech	OPC	Chisang Khola	7-Feb-20	14-Feb-20	6-Mar-20 6-Mar-20	14.76		M20
82	R-3	RUDP-3182	Ambe Hi-tech	OPC	Chisang Khola	7-Feb-20	14-Feb-20	6-Mar-20 6-Mar-20	15.72		M20
3	T2L24	RUDP-3183	Ambe Hi-tech	OPC	Chisang Khola	7-Feb-20	14-Feb-20 14-Feb-20		15.28		M20
4	R-4	RUDP-3184	Ambe Hi-tech	OPC	Chisang Khola	8-Feb-20	14-Feb-20 15-Feb-20	6-Mar-20	14.75		M20
5	R-2	RUDP-3185	Ambe Hi-tech	OPC	Chisang Khola	8-Feb-20	15-Feb-20 15-Feb-20	7-Mar-20	13.64		M15
6	Koshi Yard	RUDP-3186	Ambe Hi-tech	OPC	Chisang Khola	8-Feb-20	15-Feb-20	7-Mar-20	16.92		M20
7	Madhumara Yard	RUDP-3187	Ambe Hi-tech	OPC	Chisang Khola	8-Feb-20	15-Feb-20 15-Feb-20	7-Mar-20	16,39		M20
8	Madhumara Yard	RUDP-3188	Ambe Hi-tech	OPC	Chisang Khola	8-Feb-20	15-Feb-20 15-Feb-20	7-Mar-20	18.48		M25
	11.	Contracto	r			1		7-Mar-20	23.36		M30
Z	ZHONGHENG CONSTRUCTION GROUP		BUILDING D CONSULTA	NCY PVT.	THORITY (I LTD AND P	P) LTD IN JO LUS ENGIN MANDU, NE	EERS & A	TURE WIT	Ή Β.Ν. ΓS (P)		
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gine	eed By eer dra Yadav		Submitter Contract Ma Rabindra K.T	anager	Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha					m Leader	



			REGIO		JRBAN DI Biratnagar M Contract No:-	Tetropolita RUDP/ICB/	an City BRT-02		T		
				Sumn	nary Sheet of C	oncrete Cul	peTest Repor	<u>t</u>			
								Month	1	Page No 1 of	
								Year		-	uary 20
-	1	-						Type of Material			Cube
S.N	. Location	Lab Ref.no.	Type of Cement	Brand of	Source of	Date of	Date o	fTesting	Strength	1, N/mm2	Concrete
189	R-12	RUDP-3189	Ambe Hi-tech	Cement	Sand+Agg.	Casting	7 Days	28 Days	7 Days	28 Days	Grade
190		RUDP-3190	Ambe Hi-tech	OPC	Chisang Khola	8-Feb-20	15-Feb-20	7-Mar-20	15.35		M20
191		RUDP-3191	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	9-Feb-20	16-Feb-20	8-Mar-20	15.80		M20
192	Koshi Yard	RUDP-3192	Ambe Hi-tech	OPC	Chisang Khola	9-Feb-20 9-Feb-20	16-Feb-20	8-Mar-20	15.20		M20
193	R-4	RUDP-3193	Ambe Hi-tech	OPC	Chisang Khola	9-Feb-20	16-Feb-20 16-Feb-20	8-Mar-20 8-Mar-20	14.61		M20
194	R-26	RUDP-3194	Ambe Hi-tech	OPC	Chisang Khola	10-Feb-20	17-Feb-20	9-Mar-20	13.86	-	M15
195	Madhumara Yard	RUDP-3195	Ambe Hi-tech	OPC	Chisang Khola	10-Feb-20	17-Feb-20.	9-Mar-20	17.98		M20
196	Koshi Yard	RUDP-3196	Ambe Hi-tech	OPC	Chisang Khola	10-Feb-20	17-Feb-20	9-Mar-20	17.98		M25 M20
197	T2L19X	RUDP-3197	Ambe Hi-tech	OPC	Chisang Khola	10-Feb-20	17-Feb-20	9-Mar-20	14.75		M20
198	R-17	RUDP-3198	Ambe Hi-tech	OPC	Chisang Khola	11-Feb-20	18-Feb-20	10-Mar-20	15.20		M20
200	R-4 R-4	RUDP-3199	Ambe Hi-tech	OPC	Chisang Khola	11-Feb-20	18-Feb-20	10-Mar-20	16.55	-	M20
201	TIL7C	RUDP-3200 RUDP-3201	Ambe Hi-tech	OPC	Chisang Khola	12-Feb-20	19-Feb-20	11-Mar-20	14.38		M15
202	T2L24	RUDP-3201	Ambe Hi-tech	OPC	Chisang Khola	12-Feb-20	19-Feb-20	11-Mar-20	16.54		M20
203	Madhumara Yard	RUDP-3203	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	12-Feb-20	19-Feb-20	11-Mar-20	16.69		M20
204	R-4	RUDP-3204	Ambe Hi-tech	OPC	Chisang Khola	12-Feb-20 12-Feb-20	19-Feb-20	11-Mar-20	20.66		M25
205	R-4	RUDP-3205	Ambe Hi-tech	OPC	Chisang Khola	12-Feb-20	19-Feb-20 20-Feb-20	11-Mar-20 12-Mar-20	16.02		M20
206	TIL7B	RUDP-3206	Ambe Hi-tech	OPC	Chisang Khola	13-Feb-20	20-Feb-20 20-Feb-20	12-Mar-20 12-Mar-20	14.08		M15
207	Koshi Yard	RUDP-3207	Ambe Hi-tech	OPC	Chisang Khola	13-Feb-20	20-Feb-20	12-Mar-20	16.77		M20 M20
208	T2L24	RUDP-3208	Ambe Hi-tech	OPC	Chisang Khola	14-Feb-20	21-Feb-20	13-Mar-20	15.43		M20
209	TILSC	RUDP-3209	Ambe Hi-tech	OPC	Chisang Khola	16-Feb-20	23-Feb-20	15-Mar-20	16.10		M20
210	N-3 Madhumara Yard	RUDP-3210	Ambe Hi-tech	OPC	Chisang Khola	16-Feb-20	23-Feb-20	15-Mar-20	14.68	-	M20
212	T1L8B	RUDP-3211	Ambe Hi-tech	OPC	Chisang Khola	16-Feb-20	23-Feb-20	15-Mar-20	19.62		M25
213	R-12	RUDP-3212 RUDP-3213	Ambe Hi-tech	OPC	Chisang Khola	16-Feb-20	23-Feb-20	15-Mar-20	15.35		M20
214	R-4	RUDP-3213	Ambe Hi-tech	OPC	Chisang Khola	17-Feb-20	24-Feb-20	16-Mar-20	15.28		M20
215	T2L19X	RUDP-3215	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	17-Feb-20	24-Feb-20	16-Mar-20	12.42		M15
216	R-12	RUDP-3216	Ambe Hi-tech	OPC	Chisang Khola	17-Feb-20 17-Feb-20	24-Feb-20 24-Feb-20	16-Mar-20	16.17		M20
217	Koshi Yard	RUDP-3217	Ambe Hi-tech	OPC	Chisang Khola	17-Feb-20	24-Feb-20 24-Feb-20	16-Mar-20 16-Mar-20	17.06		M20
218	T3L25A	RUDP-3218	Ambe Hi-tech	OPC	Chisang Khola	19-Feb-20	26-Feb-20	18-Mar-20	14.61		M20
219	R-5	RUDP-3219	Ambe Hi-tech	OPC	Chisang Khola	19-Feb-20	26-Feb-20	18-Mar-20	14.98		M20 M20
220	R-4	RUDP-3220	Ambe Hi-tech	OPC	Chisang Khola	20-Feb-20	27-Feb-20	19-Mar-20	14.12		M15
221	Madhumara Yard	RUDP-3221	Ambe Hi-tech	OPC	Chisang Khola	20-Feb-20	27-Feb-20	19-Mar-20	17.67		M25
223	S-13C T2L24	RUDP-3222	Ambe Hi-tech	OPC	Chisang Khola	20-Feb-20	27-Feb-20	19-Mar-20	15.13		M20
24	R-26	RUDP-3223 RUDP-3224	Ambe Hi-tech	OPC	Chisang Khola	20-Feb-20	27-Feb-20	19-Mar-20	14.68		M20
:25	N-32	RUDP-3224	Ambe Hi-tech	OPC	Chisang Khola	21-Feb-20	28-Feb-20	20-Mar-20	15,72		M20
226	R-4	RUDP-3226	Ambe Hi-tech	OPC OPC	Chisang Khola Chisang Khola	21-Feb-20	28-Feb-20	20-Mar-20	14.90		M20
27	T3L10A	RUDP-3227	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	21-Feb-20 21-Feb-20	28-Feb-20	20-Mar-20	14.16		M15
228	N-34	RUDP-3228	Ambe Hi-tech	OPC	Chisang Khola	21-Feb-20 22-Feb-20	28-Feb-20 29-Feb-20	20-Mar-20 21-Mar-20	15.57		M20
29	Koshi Yard	RUDP-3229	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20	29-Feb-20 29-Feb-20	21-Mar-20 21-Mar-20	16.47		M20
30	TIL7C	RUDP-3230	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20	29-Feb-20 29-Feb-20	21-Mar-20 21-Mar-20	16,84		M20
31	R-26	RUDP-3231	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20	29-Feb-20 29-Feb-20	21-Mar-20 21-Mar-20	15.43		M20
32	N-3	RUDP-3232	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20	29-Feb-20	21-Mar-20	15.28		M20 M20
33	N-4	RUDP-3233	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20	29-Feb-20	21-Mar-20	15.80		M20 M20
34	TIL7B	RUDP-3234	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20	29-Feb-20	21-Mar-20	17.06		M20
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Z	CHONGHENG CONSTRUCTION GROUP TERNATIONAL ENGINEERING CO. LTD				BUILDING DI CONSULTA	NCY PVT.	LTD AND P	P) LTD IN JO LUS ENGINE MANDU, NEP	ERS & AI	TURE WIT RCHITECT	H B.N. TS (P)
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							-	Month		Feb	ruary
								Year		-	020
							Descr	ription of Sam	ple	-	k Wall
		Lab					Date of	of Testing	Strength	N/mm2	
S.N.	Location	Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28	Type Grad
1	T3L25A	MR-2497	Ambe Hi-tech	OPC	Chisang Khola	4-Jan-20	11-Jan-20	1-Feb-20	-	Days 8.50	7.5
2	R-26	MR-2498	Ambe Hi-tech	OPC	Chisang Khola	4-Jan-20	11-Jan-20	1-Feb-20	-	8.09	7.5
3	R-5	MR-2499	Ambe Hi-tech	OPĊ	Chisang Khola	4-Jan-20	11-Jan-20	1-Feb-20	-	8.23	7.5
4	N-8	MR-2500	Ambe Hi-tech	OPC	Chisang Khola	4-Jan-20	11-Jan-20	1-Feb-20		8.36	7.5
5	N-7	MR-2501	Ambe Hi-tech	OPC	Chisang Khola	5-Jan-20	12-Jan-20	2-Feb-20		8.90	7.5
6	R-12	MR-2502	Ambe Hi-tech	OPC	Chisang Khola	5-Jan-20	12-Jan-20	2-Feb-20		8.09	7.5
7	N-32	MR-2503	Ambe Hi-tech	OPC	Chisang Khola	5-Jan-20	12-Jan-20	2-Feb-20		8.63	7.5
8	T3L10A	MR-2504	Ambe Hi-tech	OPC	Chisang Khola	5-Jan-20	12-Jan-20	2-Feb-20		8.36	7.5
9	R-26	MR-2505	Ambe Hi-tech	OPC	Chisang Khola	6-Jan-20	13-Jan-20	3-Feb-20		8.63	7.5
10	R-16	MR-2506	Ambe Hi-tech	OPC	Chisang Khola	6-Jan-20	13-Jan-20	3-Feb-20		8.23	7.5
11	N-31	MR-2507	Ambe Hi-tech	OPC	Chisang Khola	6-Jan-20	13-Jan-20	3-Feb-20		9.04	7.5
12	T1L7A N-8	MR-2508	Ambe Hi-tech	OPC	Chisang Khola	6-Jan-20	13-Jan-20	3-Feb-20		7.96	7.5
13	R-46	MR-2509	Ambe Hi-tech	OPC	Chisang Khola	6-Jan-20	13-Jan-20	3-Feb-20		9.17	7.5
15	T3L25A	MR-2510 MR-2511	Ambe Hi-tech Ambe Hi-tech	OPC	Chisang Khola	7-Jan-20	14-Jan-20	4-Feb-20		8.50	7.5
16	T2L24	MR-2512	Ambe Hi-tech	OPC OPC	Chisang Khola Chisang Khola	7-Jan-20 7-Jan-20	14-Jan-20	4-Feb-20		8.90	7.5
17	N-7	MR-2512	Ambe Hi-tech	OPC	Chisang Khola	7-Jan-20 7-Jan-20	14-Jan-20	4-Feb-20		8.77	7.5
18	R-12	MR-2514	Ambe Hi-tech	OPC	Chisang Khola	7-Jan-20 7-Jan-20	14-Jan-20 14-Jan-20	4-Feb-20 4-Feb-20		7.96	7.5
19	TIL7B	MR-2515	Ambe Hi-tech	OPC	Chisang Khola	8-Jan-20	14-Jan-20 15-Jan-20	4-Feb-20 5-Feb-20		9.30	7.5
20	R-46	MR-2516	Ambe Hi-tech	OPC	Chisang Khola	8-Jan-20	15-Jan-20	5-Feb-20		8.23	7.5
21	T3L25A	MR-2517	Ambe Hi-tech	OPC	Chisang Khola	8-Jan-20	15-Jan-20	5-Feb-20		8.36	7.5
22	T1L8B	MR-2518	Ambe Hi-tech	OPC	Chisang Khola	8-Jan-20	15-Jan-20	5-Feb-20		7.82	7.5
23	N-31	MR-2519	Ambe Hi-tech	OPC	Chisang Khola	8-Jan-20	15-Jan-20	5-Feb-20		8.77	7.5
24	T1L7A	MR-2520	Ambe Hi-tech	OPC	Chisang Khola	8-Jan-20	15-Jan-20	5-Feb-20		8.50	7.5
25	R-5	MR-2521	Ambe Hi-tech	OPC	Chisang Khola	9-Jan-20	16-Jan-20	6-Feb-20		8.23	7.5
26	R-16	MR-2522	Ambe Hi-tech	OPC	Chisang Khola	9-Jan-20	16-Jan-20	6-Feb-20		8.90	7.5
27	N-31	MR-2523	Ambe Hi-tech	OPC	Chisang Khola	9-Jan-20	16-Jan-20	6-Feb-20		9,30	7.5
28	N-3	MR-2524	Ambe Hi-tech	OPC	Chisang Khola	9-Jan-20	16-Jan-20	6-Feb-20		8.09	7.5
29	TIL7A	MR-2525	Ambe Hi-tech	OPC	Chisang Khola	9-Jan-20	16-Jan 20/	P/6-Feb-20		8.77	7.5
		Contractor		_		1	Consult	ant		5	_
ZH INTE	ONGHENG ERNATIONA	CONSTRU L ENGINI	CTION GRO DERING CO.	UP LTD	VENTURE W	ITH B.N.	CONSULT	S(P) LTD, K	. LTD	AND	PLUS
			Submittee Contract Ma Babindra Kr	inager	Verified By Expert Qty Sur HK Mandal/Pai				Tea	proved m Lead	der
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			B	iratnag Contract	DEVELO ar Metropol No:- RUDP/IC heet of Mortar	itan City B/BRT-02		JEC1			
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								Month		Feb	ruary
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		-					Descri	iption of Samp	ole	Bric	k Wall
		1					Date o	fTesting	Strength	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	Type Grad
30	TIL7B	MR-2526	Ambe Hi-tech	OPC	Chisang Khola	10-Jan-20	17-Jan-20	7-Feb-20		Days 8.36	7.5
31	R-5	MR-2527	Ambe Hi-tech	OPC	Chisang Khola	10-Jan-20	17-Jan-20	7-Feb-20	-	9.30	7.5
32	R-16	MR-2528	Ambe Hi-tech	OPC	Chisang Khola	10-Jan-20	17-Jan-20	7-Feb-20	1	9.04	7.5
33	N-3	MR-2529	Ambe Hi-tech	OPC	Chisang Khola	10-Jan-20	17-Jan-20	7-Feb-20		8.36	7.5
34	TIL7A	MR-2530	Ambe Hi-tech	OPC	Chisang Khola	10-Jan-20	17-Jan-20	7-Feb-20		8.90	7.5
35	R-26	MR-2531	Ambe Hi-tech	OPC	Chisang Khola	11-Jan-20	17-Jan-20 18-Jan-20	8-Feb-20	-	8.23	7.5
36	N-8	MR-2532	Ambe Hi-tech	OPC	Chisang Khola	11-Jan-20	18-Jan-20	8-Feb-20	-	8.90	7.5
37	T1L7B	MR-2533	Ambe Hi-tech	OPC	Chisang Khola	11-Jan-20	18-Jan-20	8-Feb-20	-	9.30	7.5
38	N-7	MR-2534	Ambe Hi-tech	OPC	Chisang Khola	11-Jan-20	18-Jan-20	8-Feb-20		9.44	7.5
39	R-5	MR-2535	Ambe Hi-tech	OPC	Chisang Khola	11-Jan-20	18-Jan-20	8-Feb-20		8.50	7.5
40	R-46	MR-2536	Ambe Hi-tech	OPC	Chisang Khola	12-Jan-20	19-Jan-20	9-Feb-20		9.44	7.5
41	T3L10A	MR-2537	Ambe Hi-tech	OPĆ	Chisang Khola	12-Jan-20	19-Jan-20	9-Feb-20		8.36	7.5
42	T3L25A	MR-2538	Ambe Hi-tech	OPC	Chisang Khola	12-Jan-20	19-Jan-20	9-Feb-20		8.50	7.5
43	R-16	MR-2539	Ambe Hi-tech	OPC	Chisang Khola	12-Jan-20	19-Jan-20	9-Feb-20		8.90	7.5
44	N-31	MR-2540	Ambe Hi-tech	OPC	Chisang Khola	12-Jan-20	19-Jan-20	9-Feb-20		8.63	7.5
45	T1L8B	MR-2541	Ambe Hi-tech	OPC	Chisang Khola	12-Jan-20	19-Jan-20	9-Feb-20		8.90	7.5
46	R-12	MR-2542	Ambe Hi-tech	OPC	Chisang Khola	13-Jan-20	20-Jan-20	10-Feb-20		9.30	7.5
47	N-3	MR-2543	Ambe Hi-tech	OPC	Chisang Khola	13-Jan-20	20-Jan-20	10-Feb-20		8.23	7.5
48	T2L24	MR-2544	Ambe Hi-tech	OPC	Chisang Khola	13-Jan-20	20-Jan-20	10-Feb-20		9.04	7.5
49	N-32	MR-2545	Ambe Hi-tech	OPC	Chisang Khola	13-Jan-20	20-Jan-20	10-Feb-20		8.90	7.5
50	T1L7A	MR-2546	Ambe Hi-tech	OPC	Chisang Khola	14-Jan-20	21-Jan-20	11-Feb-20		8.23	7.5
51	R-26	MR-2547	Ambe Hi-tech	OPC	Chisang Khola	14-Jan-20	21-Jan-20	11-Feb-20		9.30	7.5
52	N-8	MR-2548	Ambe Hi-tech	OPC	Chisang Khola	14-Jan-20	21-Jan-20	11-Feb-20		9.17	7.5
54	TIL7B N-7	MR-2549	Ambe Hi-tech	OPC	Chisang Khola	15-Jan-20	22-Jan-20	12-Feb-20		8.36	7.5
55		MR-2550	Ambe Hi-tech	OPC	Chisang Khola	15-Jan-20	22-Jan-20	12-Feb-20		8.63	7.5
56	R-46 TIL10A	MR-2551 MR-2552	Ambe Hi-tech	OPC	Chisang Khola	15-Jan-20	22-Jan-20	12-Feb-20		9.04	7.5
57	R-5	MR-2553	Ambe Hi-tech	OPC	Chisang Khola	16-Jan-20	23-Jan-20	13-Feb-20		9.44	7.5
58	R-16	MR-2554	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	16-Jan-20	23-Jan-20	13-Feb-20	-	9.04	7.5
59	N-3	MR-2555	Ambe Hi-tech	OPC		16-Jan-20	23-Jan-20	13-Feb-20	-	8.77	7.5
60	R-12	MR-2556	Ambe Hi-tech	OPC OPC	Chisang Khola Chisang Khola	16-Jan-20	23-Jan-20	13-Feb-20	-	8.63	7.5
61	R-12 R-12	MR-2557	Ambe Hi-tech	OPC	Chisang Khola	18-Jan-20 18-Jan-20	25-Jan-20	15-Feb-20	-	8.50	7.5
-		1.115 40001		ore	Chisang Khold	10-Jall-20	25-Jan-20	15-Feb-20		9.04	7.5
-		Contractor	-	-			Concult	int 8		-	
		CONSTRU	CTION GRO EERING CO.		Consultant BUILDING DESIGN AUTHORITY (P) I VENTURE WITH B.N. CONSULTANCY PV ENGINEERS & ARCHITECTS (P) LTD, NEPAL					AND	PLUS
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recked	Ву		Submittee		Verified By				App	proved	By
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irendra	radav		Rabindra Kr.	Thakur	H.K. Mandal/Raj	an Shrestha			Gir	esh Cha	nd



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_							Descr	iption of Samp	ole		k Wall
		-						of Testing	T	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	Type Grad
62	T2L24	MR-2558	Ambe Hi-tech	OPC	Chisang Khola	18-Jan-20	25-Jan-20	15-Feb-20		Days 9.17	7.5
63	N-32	MR-2559	Ambe Hi-tech	OPC	Chisang Khola	18-Jan-20	25-Jan-20	15-Feb-20	-	9.17	7.5
64	T3L25A	MR-2560	Ambe Hi-tech	OPC	Chisang Khola	19-Jan-20	26-Jan-20	16-Feb-20	1		
65	R-2	MR-2561	Ambe Hi-tech	OPC	Chisang Khola	19-Jan-20	26-Jan-20	16-Feb-20	-	9.44	7.5
66	T3L Trunk line	MR-2562	Ambe Hi-tech	OPC	Chisang Khola	19-Jan-20	26-Jan-20 26-Jan-20	16-Feb-20	-	8.50	7.5
67	R-2	MR-2563	Ambe Hi-tech	OPC	Chisang Khola	20-Jan-20		17-Feb-20	-	8.90	7.5
68	R-12	MR-2564	Ambe Hi-tech	OPC	Chisang Khola	20-Jan-20	27-Jan-20 27-Jan-20	17-Feb-20 17-Feb-20	-	9.17	7.5
69	T3L Trunk line	MR-2565	Ambe Hi-tech	OPC	Chisang Khola	20-Jan-20	27-Jan-20 27-Jan-20	17-Feb-20 17-Feb-20	-	8.23	7.5
70	T1L7A	MR-2566	Ambe Hi-tech	OPC	Chisang Khola	21-Jan-20	27-Jan-20 28-Jan-20	17-Feb-20 18-Feb-20	-	8.77	7.5
71	T3L25A	MR-2567	Ambe Hi-tech	OPC	Chisang Khola	25-Jan-20	1-Feb-20	22-Feb-20	1000	9.57	7.5
72	T1L8B	MR-2568	Ambe Hi-tech	OPC	Chisang Khola	25-Jan-20			6.20	8.77	7.5
73	R-12	MR-2569	Ambe Hi-tech	OPC	Chisang Khola	25-Jan-20	1-Feb-20	22-Feb-20	6.61	9.30	7.5
74	T2L24	MR-2570	Ambe Hi-tech	OPC	Chisang Khola	25-Jan-20 25-Jan-20	1-Feb-20 1-Feb-20	22-Feb-20 22-Feb-20	6.07	8.23	7.5
75	T1L7B	MR-2571	Ambe Hi-tech	OPC	Chisang Khola	25-Jan-20		22-Feb-20 22-Feb-20	6.74	9.04	7.5
76	N-32	MR-2572	Ambe Hi-tech	OPC	Chisang Khola	25-Jan-20	1-Feb-20		6.74	8.77	7.5
77	T1L7C	MR-2572	Ambe Hi-tech	OPC	Chisang Khola	26-Jan-20	1-Feb-20	22-Feb-20	6.20	8.36	7.5
78	TILSC	MR-2574	Ambe Hi-tech	OPC	Chisang Khola	26-Jan-20 26-Jan-20	2-Feb-20	23-Feb-20	6.74	8.90	7.5
79	R-17	MR-2574	Ambe Hi-tech		~	28-Jan-20	2-Feb-20	23-Feb-20	6.88	9.17	7.5
80	R-17	MR-2576	Ambe Hi-tech	OPC OPC	Chisang Khola Chisang Khola	28-Jan-20 28-Jan-20	4-Feb-20	25-Feb-20	6.88	9.04	7.5
81	R-46	MR-2570	Ambe Hi-tech	OPC	Chisang Khola	28-Jan-20 29-Jan-20	4-Feb-20	25-Feb-20	6,20	8.77	7.5
82	T3L10A	MR-2578	Ambe Hi-tech	OPC	Chisang Khola	29-Jan-20 29-Jan-20	5-Feb-20	26-Feb-20	5.93	8.50	7.5
83	T3L25A	MR-2578	Ambe Hi-tech	OPC	Chisang Khola	31-Jan-20	5-Feb-20	26-Feb-20	6.61	8.23	7.5
84	N-3	MR-2580	Ambe Hi-tech	OPC	Chisang Khola	1-Feb-20	7-Feb-20	28-Feb-20	6.34	9.57	7.5
85	N-34	MR-2581	Ambe Hi-tech	OPC	Chisang Khola	1-Feb-20	8-Feb-20	29-Feb-20	6.80	9.44	7.5
86	R-26	MR-2582	Ambe Hi-tech	OPC	Chisang Khola	2-Feb-20	8-Feb-20	29-Feb-20	6.20	8.90	7.5
87	S-13C	MR-2582	Ambe Hi-tech	OPC	Chisang Khola	3-Feb-20	9-Feb-20	1-Mar-20	7.01	·	1.5
88	T2L24	MR-2584	Ambe Hi-tech	OPC	Chisang Khola	3-Feb-20	10-Feb-20	2-Mar-20	6.20	-	7.5
89	R-3	MR-2585	Ambe Hi-tech	OPC	Chisang Khola	4-Feb-20	10-Feb-20	2-Mar-20	5.93	-	7.5
90	N-4	MR-2586	Ambe Hi-tech	OPC	Chisang Khola	4-Feb-20 4-Feb-20	11-Feb-20	3-Mar-20	6.61		7.5
91	T2L19X	MR-2587	Ambe Hi-tech	OPC	Chisang Khola	4-Feb-20 5-Feb-20	11-Feb-20	3-Mar-20 4-Mar-20	7.28	-	7.5
92	T3L25A	MR-2588	Ambe Hi-tech	OPC	Chisang Khola	6-Feb-20	12-Feb-20 13-Feb-20	4-Mar-20 5-Mar-20	7.01	-	7.5
93	T1L8B	MR-2589	Ambe Hi-tech	OPC	Chisang Khola	6-Feb-20	13-Feb-20 13-Feb-20	5-Mar-20	6.47	-	7.5
				sie		0100-20	19-100-20	- S-Intal-20	0,14		7.5
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		Lab		D		-		fTesting	Strength	N/mm2	
S.N.	Location	Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28 Days	Type Grad
94	R-12	MR-2590	Ambe Hî-tech	OPC	Chisang Khola	7-Feb-20	14-Feb-20	6-Mar-20	6.74	Days	7.5
95	T2L24	MR-2591	Ambe Hi-tech	OPC	Chisang Khola	7-Feb-20	14-Feb-20	6-Mar-20	7.01	-	7.5
96	T1L7B	MR-2592	Ambe Hi-tech	OPC	Chisang Khola	8-Feb-20	15-Feb-20	7-Mar-20	5.93	-	7.5
97	N-32	MR-2593	Ambe Hi-tech	OPC	Chisang Khola	8-Feb-20	15-Feb-20	7-Mar-20	6.20		7.5
98	T1L7C	MR-2594	Ambe Hi-tech	OPC	Chisang Khola	9-Feb-20	16-Feb-20	8-Mar-20	7.15		7.5
99	T1L8C	MR-2595	Ambe Hi-tech	OPC	Chisang Khola	9-Feb-20	16-Feb-20	8-Mar-20	6.07	-	7.5
100	R-12	MR-2596	Ambe Hi-tech	OPC	Chisang Khola	10-Feb-20	17-Feb-20	9-Mar-20	6.74		7.5
101	R-5	MR-2597	Ambe Hi-tech	OPC	Chisang Khola	10-Feb-20	17-Feb-20	9-Mar-20	6.47		7.5
102	R-46	MR-2598	Ambe Hi-tech	OPC	Chisang Khola	11-Feb-20	18-Feb-20	10-Mar-20	6.74		7.5
103	T3L10A	MR-2599	Ambe Hi-tech	OPC	Chisang Khola	11-Feb-20	18-Feb-20	10-Mar-20	6.47	1010	7.5
104	T3L25A	MR-2600	Ambe Hi-tech	OPC	Chisang Khola	12-Feb-20	19-Feb-20	11-Mar-20	7.15		7.5
105	R-17	MR-2601	Ambe Hi-tech	OPC	Chisang Khola	13-Feb-20	20-Feb-20	12-Mar-20	6.88		7.5
106	N-3	MR-2602	Ambe Hi-tech	OPC	Chisang Khola	13-Feb-20	20-Feb-20	12-Mar-20	6.88		7.5
107	N-34	MR-2603	Ambe Hi-tech	OPC	Chisang Khola	13-Feb-20	20-Feb-20	12-Mar-20	6.07		7.5
108	R-26	MR-2604	Ambe Hi-tech	OPC	Chisang Khola	13-Feb-20 -	20-Feb-20	12-Mar-20	6.74		7.5
109	S-13C	MR-2605	Ambe Hi-tech	OPC	Chisang Khola	14-Feb-20	21-Feb-20	13-Mar-20	7.01		7.5
110	T2L24	MR-2606	Ambe Hi-tech	OPC	Chisang Khola	14-Feb-20	21-Feb-20	13-Mar-20	6.34		7.5
111	R-3	MR-2607	Ambe Hi-tech	OPC	Chisang Khola	14-Feb-20	21-Feb-20	13-Mar-20	7.42		7.5
112	N-4	MR-2608	Ambe Hi-tech	OPC	Chisang Khola	14-Feb-20	21-Feb-20	13-Mar-20	6.88		7.5
113	T2L19K	MR-2609	Ambe Hi-tech	OPC	Chisang Khola	14-Feb-20	21-Feb-20	13-Mar-20	5.80		7.5
114	R-17	MR-2610	Ambe Hi-tech	OPC	Chisang Khola	14-Feb-20	21-Feb-20	13-Mar-20	6.20		7.5
115	R-12 R-26	MR-2611	Ambe Hi-tech	OPC	Chisang Khola	14-Feb-20	21-Feb-20	13-Mar-20	6.20		7.5
117	N-34	MR-2612	Ambe Hi-tech	OPC	Chisang Khola	15-Feb-20	22-Feb-20	14-Mar-20	7.15		7.5
118	S-13C	MR-2613 MR-2614	Ambe Hi-tech	OPC	Chisang Khola	15-Feb-20	22-Feb-20	14-Mar-20	6.47		7.5
119	TIL8B	MR-2614 MR-2615	Ambe Hi-tech	OPC	Chisang Khola	15-Feb-20	22-Feb-20	14-Mar-20	6.61		7.5
120	T2L19X	MR-2616	Ambe Hi-tech	OPC OPC	Chisang Khola Chisang Khola	15-Feb-20 15-Feb-20	22-Feb-20	14-Mar-20	7.01	-	7.5
121	N-3	MR-2617	Ambe Hi-tech	OPC	Chisang Khola		22-Feb-20	14-Mar-20	6.88		7.5
122	R-26	MR-2618	Ambe Hi-tech	OPC	Chisang Khola	15-Feb-20	22-Feb-20	14-Mar-20	6.07	-	7.5
123	T3L10A	MR-2619	Ambe Hi-tech	OPC	Chisang Khola	15-Feb-20 15-Feb-20	22-Feb-20	14-Mar-20	6.88		7.5
124	T1L8C	MR-2620	Ambe Hi-tech	OPC	Chisang Khola	15-Feb-20	22-Feb-20	14-Mar-20	7.15	-	7.5
125	T1L8C	MR-2621	Ambe Hi-tech	OPC	Chisang Khola	16-Feb-20	22-Feb-20 23-Feb-20	14-Mar-20 15-Mar-20	7.15	/	7.5
		[ mar sourt ]	Third The teen	ore	Chisalg Khola	10-160-20	23-Feb-20	15-Mar-20	6.07		7.5
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ZH	ONGHENG ERNATION	CONSTRUCT	CTION GRO CERING CO.	UP LTD	Consultant BUILDING DESIGN AUTHORITY (P) LTD IN J VENTURE WITH B.N. CONSULTANCY PVT. LTD A ENGINEERS & ARCHITECTS (P) LTD, KATHM						PLUS
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							Descri	iption of Samp	ole	Bric	k Wall
	Concession of	Lab		Dent			Date o	f Testing	Strength	N/mm2	
S.N.	Location	Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28 Days	Type Grad
126	T3L25A	MR-2622	Ambe Hi-tech	OPC	Chisang Khola	16-Feb-20	23-Feb-20	15-Mar-20	6.47	Days	7.5
127	T1L8B	MR-2623	Ambe Hi-tech	OPC	Chisang Khola	16-Feb-20	23-Feb-20	15-Mar-20	6.88	-	7.5
128	R-12	MR-2624	Ambe Hi-tech	OPC	Chisang Khola	16-Feb-20	23-Feb-20	15-Mar-20	5.80	-	7.5
129	T2L24	MR-2625	Ambe Hi-tech	OPC	Chisang Khola	16-Feb-20	23-Feb-20	15-Mar-20	6.61	-	7.5
130	T1L7B	MR-2626	Ambe Hi-tech	OPC	Chisang Khola	16-Feb-20	23-Feb-20	15-Mar-20	6.74	-	7.5
131	T1L7C	MR-2627	Ambe Hi-tech	OPC	Chisang Khola	16-Feb-20	23-Feb-20	15-Mar-20	6.20	-	7.5
132	T1L8C	MR-2628	Ambe Hi-tech	OPC	Chisang Khola	16-Feb-20	23-Feb-20	15-Mar-20	6.74		7.5
133	R-12	MR-2629	Ambe Hi-tech	OPC	Chisang Khola	17-Fcb-20	24-Feb-20	16-Mar-20	6.88		7.5
134	R-5	MR-2630	Ambe Hi-tech	OPC	Chisang Khola	17-Feb-20	24-Feb-20	16-Mar-20	6.61		7.5
135	R-46	MR-2631	Ambe Hi-tech	OPC	Chisang Khola	17-Feb-20	24-Feb-20	16-Mar-20	7.01	-	7.5
136	T3L10A	MR-2632	Ambe Hi-tech	OPC	Chisang Khola	17-Feb-20	24-Feb-20	16-Mar-20	6.61		7.5
137	T3L25A	MR-2633	Ambe Hi-tech	OPC	Chisang Khola	17-Feb-20	24-Feb-20	16-Mar-20	6.47	-	7.5
138	N-3	MR-2634	Ambe Hi-tech	OPC	Chisang Khola	17-Feb-20	24-Feb-20	16-Mar-20	7.28	-	7.5
139	N-34	MR-2635	Ambe Hi-tech	OPC	Chisang Khola	17-Feb-20	24-Feb-20	16-Mar-20	7.15		7.5
140	S-13C	MR-2636	Ambe Hi-tech	OPC	Chisang Khola	17-Feb-20	24-Feb-20	16-Mar-20	6.47		7.5
141	T2L24	MR-2637	Ambe Hi-tech	OPC	Chisang Khola	18-Feb-20	25-Feb-20	17-Mar-20	5.80		7.5
142	R-3	MR-2638	Ambe Hi-tech	OPC	Chisang Khola	18-Feb-20	25-Feb-20	17-Mar-20	5.80		7.5
143	N-4	MR-2639	Ambe Hi-tech	OPC	Chisang Khola	18-Feb-20	25-Feb-20	17-Mar-20	6.61	-	7.5
144	T2L19X	MR-2640	Ambe Hi-tech	OPC	Chisang Khola	18-Feb-20	25-Feb-20	17-Mar-20	6.47		7.5
145	R-17	MR-2641	Ambe Hi-tech	OPC	Chisang Khola	18-Feb-20	25-Feb-20	17-Mar-20	6.20		7.5
146	R-5	MR-2642	Ambe Hi-tech	OPC	Chisang Khola	18-Feb-20	25-Feb-20	17-Mar-20	6.88	-	7.5
147	T1L7C	MR-2643	Ambe Hi-tech	OPC	Chisang Khola	19-Feb-20	26-Feb-20	18-Mar-20	7.15		7.5
148	T3L25A	MR-2644	Ambe Hi-tech	OPC	Chisang Khola	19-Feb-20 :	26-Feb-20	18-Mar-20	6,61	-	7.5
149	N-3	MR-2645	Ambe Hi-tech	OPC	Chisang Khola	19-Feb-20	26-Feb-20	18-Mar-20	6.74		7.5
150	R-46	MR-2646	Ambe Hi-tech	OPC	Chisang Khola	19-Feb-20	26-Feb-20	18-Mar-20	6.47		7.5
151	T1L7C	MR-2647	Ambe Hi-tech	OPC	Chisang Khola	20-Feb-20	27-Feb-20	19-Mar-20	5.93		7.5
152	N-4	MR-2648	Ambe Hi-tech	OPC	Chisang Khola	20-Feb-20	27-Feb-20	19-Mar-20	7.01		7.5
153	T3L10A	MR-2649	Ambe Hi-tech	OPC	Chisang Khola	20-Feb-20	27-Feb-20	19-Mar-20	6.07		7.5
154	S-13C	MR-2650	Ambe Hi-tech	OPC	Chisang Khola	20-Feb-20	27-Feb-20	19-Mar-20	6.47		7.5
155	T2L24	MR-2651	Ambe Hi-tech	OPC	Chisang Khola	20-Feb-20	27-Feb-20	19-Mar-20	7.15		7.5
156 157	T2L19X	MR-2652	Ambe Hi-tech	OPC	Chisang Khola	20-Feb-20	27-Feb-20	19-Mar-20	6.20	1	7.5
15/	R-17	MR-2653	Ambe Hi-tech	OPC	Chisang Khola	20-Feb-20	27-Feb-20	19-Mar-20	6.20		7.5
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irendra	Yadav		Rabindra Kr. 1	Thakur	H.K. Mandal/Raj					sh Cha	
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		Lab		Brand of			Date o	f Testing	Strength	N/mm2	
S.N.	Location	Ref.no.	Type of Cement	Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28 Days	Grad
158	T3L25A	MR-2654	Ambe Hi-tech	OPC	Chisang Khola	21-Feb-20	28-Feb-20	20-Mar-20	6.61	Daya	7.5
159	T1L7C	MR-2655	Ambe Hi-tech	OPC	Chisang Khola	21-Feb-20	28-Feb-20	20-Mar-20	6.74		7.5
160	TIL8B	MR-2656	Ambe Hi-tech	OPC	Chisang Khola	21-Feb-20	28-Feb-20	20-Mar-20	7.01		7.5
161	R-12	MR-2657	Ambe Hi-tech	OPC	Chisang Khola	21-Feb-20	28-Feb-20	20-Mar-20	6.61		7.5
162	T2L24	MR-2658	Ambe Hi-tech	OPC	Chisang Khola	21-Feb-20	28-Feb-20	20-Mar-20	6.07		7.5
163	N-32	MR-2659	Ambe Hi-tech	OPC	Chisang Khola	21-Feb-20	28-Feb-20	20-Mar-20	6.61		7.5
164	TIL7B R-12	MR-2660	Ambe Hi-tech	OPC	Chisang Khola	21-Feb-20	28-Feb-20	20-Mar-20	6.74		7.5
165	R-12 R-5	MR-2661 MR-2662	Ambe Hi-tech Ambe Hi-tech	OPC	Chisang Khola	21-Feb-20	28-Feb-20	20-Mar-20	6.34		7.5
167	R-46	MR-2663	Ambe Hi-tech	OPC	Chisang Khola	21-Feb-20	28-Feb-20	20-Mar-20	6.88		7.5
168	T3L10A	MR-2664	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	21-Feb-20 22-Feb-20	28-Feb-20	20-Mar-20	6.20		7.5
169	T3L25A	MR-2665	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20 22-Feb-20	29-Feb-20	21-Mar-20	6.74		7.5
170	N-3	MR-2666	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20 22-Feb-20	29-Feb-20	21-Mar-20	6.88		7.5
171	N-34	MR-2667	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20	29-Feb-20 29-Feb-20	21-Mar-20	6.20		7.5
172	R-26	MR-2668	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20	29-Feb-20 29-Feb-20	21-Mar-20 21-Mar-20	6.88		7.5
173	S-13C	MR-2669	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20	29-Feb-20 29-Feb-20	21-Mar-20 21-Mar-20	7.01	-	7.5
174	T2L24	MR-2670	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20	29-Feb-20 29-Feb-20	21-Mar-20 21-Mar-20	6.88	-	7.5
175	R-3	MR-2671	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20	29-Feb-20	21-Mar-20 21-Mar-20	6.47 6.07	-	7.5
176	N-4	MR-2672	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20	29-Feb-20	21-Mar-20 21-Mar-20	6.88	-	7.5
177	T2L19X	MR-2673	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20	29-Feb-20	21-Mar-20	6.74		7.5
78	R-17	MR-2674	Ambe Hi-tech	OPC	Chisang Khola	22-Feb-20	29-Feb-20	21-Mar-20	6.34	/	7.5
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## ANNEX-4: SOCIAL& ENVIRONMENT SAFEGUARD

**Monitoring Formats Attached – February2020** 





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S.NO	LOCATION	TYPES OF WORK	TYPES OF WORKERS	P	LABOUR	COMPC	COMPOSITION			ETHNIC CO	ETHNIC COMPOSITION	
+			+	SKILLED	UNSKILLED	MALE	FEMALE	ITAUNAL	DAUT	MUSUM	MADHESI	BRAHMIN/CHHETRI
-			LOCAL									
1	82	Brooming	NON LOCAL	5	26	S	26	15	5		11	
-			INDIAN									
+			TOTAL	31								
+			INCAL									
-			NONTOCAL									
2	R2	Asphalt	INDIA LUCAL		1.1	15				15		
-		-	TOTAL	15	4	4				2		
+												
-			LOCAL									
m	82	Road Prime	NON LOCAL	2	9	80					00	
-		-	INDIAN									
+			TOTAL	00								
-												
-			LOCAL	3	7	10					10	
	OFF IFT	House	NON LOCAL									
-	131770	Connection	INDIAN									
-			TOTAL	10								
-												
-			LOCAL									
	<b>B3 Trunk Line</b>	House	NON LOCAL	2	10	12		5	2		s	
		Connection	INDIAN									
-			TOTAL	12								
+												
-		-	LOCAL									
9	T3L13C	HOUSE	NON LOCAL	4	7	11				5	9	
-		CONNECTION	INDIAN									
+			IOIAL	11								
+			(DCA)									
_		1	NONTOCAL		2	1						
7	82	Weep Hole	INDIA LUCAL	7	0			0				
-		-	NEIGNI	,								
+			IOIAL									
+		1	incel									
1	CROUP INTERNATION	-	LUCAL			-						
a 1 100	al AON C12	15 Autuart	NON LOCAL	з	12	15					15	

Regional Urban Development Project(RUDP)

February, 2020

Idnor	Sroupinternational Engineering	augustice and Engineering Co put Beijing Chaina.	jing Chaina.							Co	Contract Package: RUDP/ICB/BRT/2	UDP/ICB/BRT/2
C NO	IOCATION	TVDES OF WORK	TYPES OF WORKERS	IAI	LABOUR	COMPOSITION	NOILISI			ETHNIC COMPOSITION	NOILISON	
				SKILLED	UNSKILLED	MALE	FEMALE	ITAUNAL	DAUT	MUSUM	MADHESI	BRAHMIN/CHHETRI
			INDIAN									
			TOTAL	15								
1			1.0000									
-			LUCAL									
6	R2	Back Filling	NON LOCAL	5	18	\$	18		13		10	
-			INDIAN									
1			TOTAL	23								
T			IOCAL									
-			NONTOCAL		36	00		16	10		2	
10	Koshi Yard	Production	INDIAN	n	64	ne		CT	10			
1			TOTAL	30								
T			-	2								
T			LOCAL									
			NON LOCAL	m	2	8			6		5	
	R4	SUB-BASE	INDIAN									
			TOTAL	80								
1												
1			LOCAL									
12	R4	RCC Drain	NON LOCAL	4	12	16		0	4		0	
			INDIAN									
t			IONE	07								
1			LOCAL									
			NON LOCAL									
m	R4	Road Paint	INDIAN	3	80	11					11	
			TOTAL	11								
1			IDCAL									
1		_	NONIDCAL	Y	27	28		10	x		10	
14	Madhumara Yard	Production	INDIAN									
			TOTAL	28								
1	(		LOCAL									
III diffe	TERMATURAZ	Tick Drain	NON LOCAL	ß	6	12		5	4		3	
1	100		INUIAN									
1	131	7	TOTAL	12								

# Regional Urban Development Project(RUDP)

#### Monthly Progress Report



#### Regional Urban Development Project (RUDP)

N         Trees of workers         LABOUR         Composition         Amate         Amate <th></th> <th>infine and</th> <th>on GroupInternational Engineering Co pvt Beijing Chaina.</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>8</th> <th>Contract Package: RUDP/ICB/BRT/2</th> <th>UDP/ICB/BRT/2</th>		infine and	on GroupInternational Engineering Co pvt Beijing Chaina.							8	Contract Package: RUDP/ICB/BRT/2	UDP/ICB/BRT/2
Table         · · · · · · · sulte         water         fetwate         invariable         but in	F	WORK	TYPES OF WORKERS	LAE	ROUR	COMP	OSITION			ETHNIC CON	MPOSITION	
Tilloff         ICCM         1         1         4         5         4         5           Tilloff         NUOCM         2         12         14         4         5         1           Mole         TOTAL         14         5         12         15         5         1           Mole         Crossing         NUOMU         15         12         15         5         5         1           Mole         Crossing         NUOMU         15         12         15         5         5         1           Mole         UOCAL         3         12         15         5         5         5         5           Mole         NOUCOLL         2         6         8         5         5         5         5           Mole         NOUCOLL         2         6         8         7         5         5         5           Mole         NOUCOLL         3         17         15         7         5         5         5           Mole         NOUCOLL         13         13         13         7         5         5         5         5           No         NOUCOLL         1				SKILLED	UNSKILLED	MALE	FEMALE	ITAUNAL	DAUT	MUSUM	MADHESI	<b>BRAHMIN/CHHETRI</b>
Tick brain         Incolut         2         12         14         4         5         4           Mole         IORM         1 <td></td> <td>-</td> <td>LOCAL</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		-	LOCAL									
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R46         Coosing Coosing         TOTAL         14 <td>-</td> <td></td> <td>INDIAN</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	-		INDIAN									
Cossing INUOL         ILCGL         3         12         15         5         5         6           Cossing INUOL         INON LOCCL         3         12         15         5         5         5         5           Base Final INDAN         INON LOCAL         3         12         15         5         5         5         5           Base Final INDAN         INON LOCAL         6         8         7         5         5         5         5           DRAIN         INOLOCAL         8         8         7         5<		-	TOTAL	14								
Crosing         NON LOCAL         3         12         15         5         5         5         5           TOTAL         13         13         12         15         5 <td></td> <td>-</td> <td>1 CCAL</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		-	1 CCAL									
Cossing         MORMOUL         3         12         13         14         15		L	NON LOCAL									
TOTAL         15         TOTAL         15         16         <		ug l	INDIAN	2	77	cr		n	0		5	
Induct         Induct<		L	TOTAL	15								
Base Final INDIACI         LOCAL         LOCAL         LOCAL         COAL         COAL         COAL         COAL         COAL         COAL         COAL         COAL         COAL         C         S												
Base Final TOTAL         RON LOCAL         2         6         8          5         5           FUNAN         NDIAN         8         -         -         -         -         -         5         1           FUNAN         8         -         6         8         -         6         8         -         5         1           FUNAN         1074L         8         13         17         0         7         5         -         1           FUNAN         1701AL         17         13         17         7         5         2         1           FUNAN         1701AL         17         14         7         5         2         1           FUNAN         100AL         2         12         14         4         5         2         1           FUNAN         101AL         14         14         5         2         2         1           FUNAN         101AL         14         14         5         2         2         1           FUNAN         101AL         14         14         2         2         2         1         1         1         1         <			LOCAL									
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		leu	NON LOCAL	2	9	80				5	3	
TOTAL         8         TOTAL         8         TOTAL         8         100 <td>-</td> <td></td> <td>INDIAN</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	-		INDIAN									
DRAIN         LOCAL         4         13         17         5         1           DRAIN         NON LOCAL         4         13         17         7         5         1           NDIAIN         17         17         5         7         5         1         1           NDIAIN         17         17         17         1         7         5         1           DRAIN         IDCAL         2         12         14         1         6         2         2           DRAIN         NON LOCAL         2         12         14         4         5         2         2           DRAIN         NON LOCAL         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         16 <td></td> <td>-</td> <td>TOTAL</td> <td>80</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		-	TOTAL	80								
DRAIN         LOCAL         LOCAL         A         13         17         5         5           NON LOCAL         4         13         17         7         5         5         5           NDIAN         TOTAL         17         17         17         5         5         5           NDIAN         TOTAL         17         17         5         5         2         5           DRAIN         NON LOCAL         2         13         14         6         5         2         2           DRAIN         NON LOCAL         14         14         14         6         5         2         2           Drain         NON LOCAL         4         12         16         4         2         5         2           Drain         NON LOCAL         4         12         16         4         2         5         5           Drain         NON LOCAL         4         12         16         4         2         5         5           Drain         NON LOCAL         3         12         15         5         5         5         5		-										
DRAIN         NON LOCAL         4         13         17         5         5           1         TOTAL         17         17         5         5         5           1         TOTAL         17         17         5         5         5           1         TOTAL         17         17         5         5         5           1         LOCAL         2         12         14         6         5         2           1         NON LOCAL         2         13         4         5         2         5           1         NON LOCAL         14         14         14         12         16         4         5         2           1         Drain         NON LOCAL         4         12         16         4         2         1           1         NON LOCAL         16         12         16         4         2         1           1         NON LOCAL         16         12         16         4         2         1           1         107AL         16         12         16         4         2         1         1           107AL         16		1	LOCAL									
Involution         17         11		7	NON LOCAL	4	13	17		7	5		5	
DRAIN         LOCAL         2         12         14         4         5         2           DRAIN         NON LOCAL         2         12         14         4         5         2         2           NON LOCAL         2         12         14         4         5         2         2           INDIAN         TOTAL         14         1         1         4         5         2         2           Drain         INDIAN         14         12         16         4         2         4         2         4         2         4         2         4         5		1	TOTAL	17								
DRAIN         NOLLOCAL         2         12         14         4         5         2           NOLLOCAL         2         12         14         4         5         2         2           INDIAN         100.LOCAL         14         14         1         4         5         2         2           Drain         100AL         14         12         16         4         2         1           Drain         NON LOCAL         4         12         16         4         2         1           TOTAL         16         1         1         10         1         10         1         <		-										
DRAIN         INDIA LOGAR         Z         14         14         5         2           NON LOCAR         14         14         1           1         1         1         1         1         1         1         1         1         1         1		1	LOCAL									
TOTAL         14         14         14         14         14         14         14         14         15         16         16         16         17         17         17         16         16         16         16         17         17         16         17         16         17 <th1< td=""><td>-</td><td>2</td><td>INDIAN</td><td>7</td><td>12</td><td>14</td><td></td><td>4</td><td>5</td><td>2</td><td>8</td><td></td></th1<>	-	2	INDIAN	7	12	14		4	5	2	8	
Drain         LUCAL		L	TOTAL	14								
Drain         LOCAL         4         12         16         4         2           NON LOCAL         4         12         16         4         2         1           INDIAN         100 LOCAL         12         16         4         2         1           INDIAN         1         16         1         16         1         1         1           INDIAN         1         16         1         16         1 </td <td></td> <td>-</td> <td></td>		-										
Drain         NON LOCAL         4         12         16         4         2           INDIAN         INDIAN         1         1         2         2         1           TOTAL         16         1         16         2         2         1           INDIAN         16         16         16         1         2         1           INDIAN         16         16         1         16         1         1         1           INDIAN         10         16         1         1         1         1         1         1           INDIAN         12         15         5         5         5         5         5			LOCAL									
INDIAN         INDIAN           TOTAL         16           TOTAL         16           LOCAL         5           NRAIN         NON LOCAL         3         12         15         5	_		NON LOCAL	4	12	16		4	2		10	
TOTAL         16         16         107AL         16           10CAL         1         1         1         1           NBAIN         NON LOCAL         3         12         15         5	_		INDIAN									
LOCAL         LOCAL         3         12         15         5		-	TOTAL	16								
LOCAL         10CAL         3         12         15         5         5		+										
DRAIN NON LOCAL 3 12 15 5 5			LOCAL									
	T3L31A DRAIN	-	NON LOCAL	3	12	15		5		5	S	
INDIAN			INDIAN									
101AL 15 TOTAL 15	NITERNATIONAL	+	TOTAL	15								
NODI CON	9	+	IDCAL									

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# February, 2020

Regional Urban Development Project (RUDP)

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Idan	Subproject: -RUDP/ICB/BRT/2 GroupInternational Engineering	Subproject: -RUDP/ICB/BRT/2 on GroupInternational Engineering Co pvt Beijing Chaina.	jing Chaina.							Co	Month/Year: -February2020 Contract Package: RUDP/ICB/BRT/2	bruary2020 JDP/ICB/BRT/2
ON S	LOCATION	TYPES OF WORK	TYPES OF WORKERS	IA	LABOUR	COMPOSITION	NOILISC			ETHNIC COMPOSITION	MPOSITION	
2	-			SKILLED	UNSKILLED	MALE	FEMALE	ITAUNAL	DALIT	MUSUM	MADHESI	BRAHMIN/CHHETRI
22	213	Bara	NON LOCAL	3	5	8		3			5	
	771	Dase	INDIAN									
1			TOTAL	00								
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24	72L192	MH Correction	NON LOCAL INDIAN	2	m	5			2		5	
			TOTAL	5								
			LUCAL									
25	T2L24	DRAIN	NUN LUCAL	5	71	12		7	0		0	
-			TOTAL	12								
T			- TOINI	77								
			LOCAL									
36	N3	Sub-Grada	NON LOCAL	2	3	5		3		2		
	2	ane lo one	INDIAN									
1			TOTAL	5								
			LOCAL									
77	011	Drain	NON LOCAL	3	7	10		2		4	4	
-	TTU	Maintenance	INDIAN									
-			TOTAL	10								
1			LOCAL	8	6	12		m	5		4	
	Tais	Drain	NON LOCAL									
3	1	Maintenance	INDIAN									
1			TOTAL	12								
-			LOCAL									
1	DETET	Guttar	NON LOCAL	4	6	13		в	5		5	
	13120	Ialino	INDIAN									
11	ROUP WITERWATING	/	TOTAL	13								
1 s		Sell in	iocai									
-	451		NON LOCAL	V	10	VL VL		4			5	

February, 2020

TYPES OF WORK         TVPES OF WORKERS         LABC           INDIAN         SKILLED         INDIAN           INDIAN         TOTAL         14           Electrical Work         LOCAL         5           INDIAN         INDIAN         14           TOTAL         14         1           INDIAN         LOCAL         5           Electrical Work         INDIAN         TOTAL	45KILLED MA	COMPOSITION LE FEMALE			Col	Contract Package: RUDP/ICB/BRT/2	OP/ICB/BKI/2
Instance         INDIAN         Skilleb           INDIAN         14         14           TOTAL         14         14           LOCAL         5         1001AN           Electrical Work         INDIAN         17           INDIAN         TOTAL         14		FEMALE			ETHNIC COMPOSITION	NDOSITION	
Electrical Work TOTAL 14 LLOCAL 2 LLOCAL 5 LLOCAL 5 LLOCAL 17 TOTAL 17		the same i	ITAUNAL	DAUT	MUSUM	MADHESI	<b>BRAHMIN/CHHETRI</b>
TOTAL 14 LOCAL 5 Electrical Work NON LOCAL 5 TOTAL 17							
Electrical Work NON LOCAL 5 Electrical Work NON LOCAL 5 TOTAL 17							
Electrical Work LOCAL 5 NON LOCAL 5 INDIAN 17 TOTAL 17							
NON LOCAL 5 INDIAN 17 TOTAL 17							
tlectrical Work INDIAN TOTAL	17 77		7			10	
LOCAL							
Drain	7 0		3			4	
INDIAN INTERN			-			>	
NICIONI							
TOTAL 9							
( and )							
R6 Kerbstone Laving NON LOCAL 3	7 10		2	æ		2	
TOTAL 10							

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Regional Urban Development Project (RUDP)

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

Subproject Road : -RUDP/ICB/BRT/2

Month/Year: February2020

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

Contract Package: RUDP/ICB/BRT/2

		Co	mpliance Sta	tus	Implementing	Note of	
S.N	Key Social Issuse	Full	Partial	None	Agency	Remarks	Deadline
1	Availability of drinking water services	V					
2	Availability of toilet facility in campsite	V		1			
3	Legal source of fuel wood use			V			
4	Legal document of fuel wood source			٧			
5	Use of safety accessories	٧					
6	Availability of first aid facility	٧					
7	Basic wage rate to construction workers	٧					
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					
repa	red by: NOHZ * 00 BOMAN		Verified by:	Ro	P Lud. Bay	Monitored by	:



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#### 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: February 2020

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	Occupational health and safety		
2.1	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 2.4	Public notification Safety and warning signs and informative signboards in working sites for work safety Use of barricades, caution tape and	Yes Provided	
	flag	Daily Used	
3	Campsite management	DDC, Kanchanbari,	
3.1	Location	Shanti Chowk, Rani	
3.2	First aid facilities available at camp and worksites	~	
3.3	Drinking water supply and sanitation facilities/ pit latrines	Yes	
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	nasinn
4.3	Disturbance to Pedestrian and traffic movement	No any disturbance to pedestrians & traffic	B Design Authonity
COMPTANI	PERMENONZ 28	NAR Jan	A CUD



	Use of private land and agreement with land owners	Yes
5	Air, Noise and Water Pollution	
5.1	Dust emission and Noise pollution sites	Water sprinkled by 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	a a a a a a a a a a a a a a a a a a a
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
12.1	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
	AND	A CHANDE ST
	STATIONORZ SECTION	Nude Kude

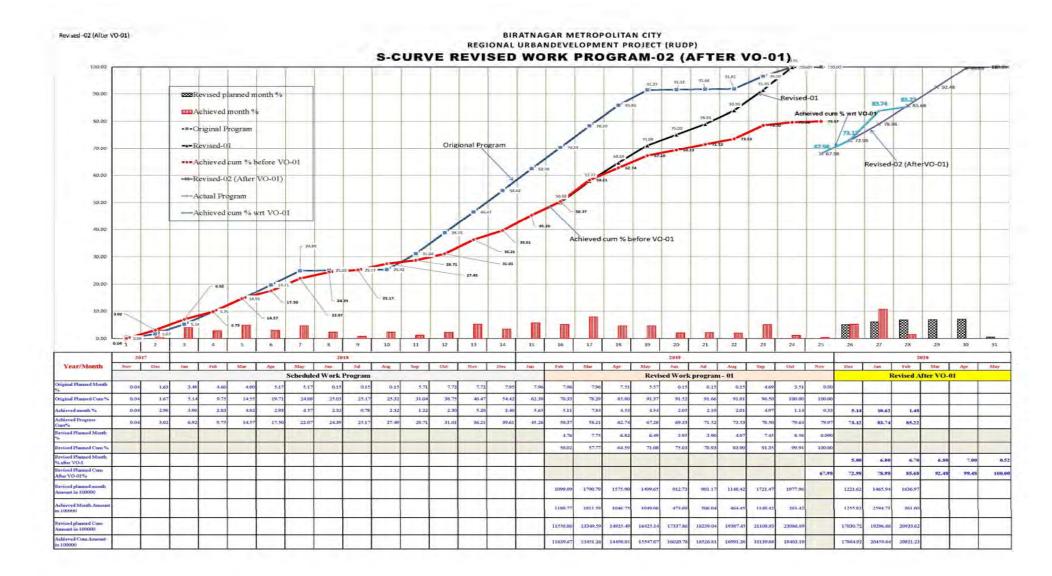


<u>Regional Urban Development Project (RUDP)</u>

## **ANNEX-5: S-Curve**

## ATTACHED – February 2020







**Annex-6: Master Plan of RUDP Project** 







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