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## **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 2019

Biratnagar Metropolitan City (BMC), Nepal

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#### **EXECUTIVE SUMMARY**

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

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

#### 1. PROJECT DESCRIPTION

#### 1.1. INTRODUCTION/BACKGROUND

GoN has negotiated loan with Asian Development Bank for the Regional Urban Development Project (RUDP) in Nepal. The RUDP, in the line with ADB's water and urban operation plans, will construct and upgrade urban infrastructure in eight towns in the Terai Region of Nepal, improve operational effectiveness of these eight municipalities. The project will also build institutional capacity of DUDBC for urban planning, project planning and project preparation in order to proactively shape urbanization in Nepal and implement the National Urban development strategy. Biratnagar is one of the eight municipal towns included in the RUDP. The subcomponent of the RUDP covers the construction and improvement of sewerage, drainage and roads and design of Integrated Solid Waste Management System for Biratnagar Municipality. Building Design Authority (P) Ltd (Nepal), B.N. Consultancy Pvt. Ltd and PLUS Engineers & Architects (P) Ltd Kathmandu and have entered for a Contract of Consulting Services with Regional Urban Development Project (RUDP), Project Implementation Unit (PIU), Biratnagar Metropolitan City on 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								
Consultant	Building Design Authority (P) LTD in Joint Venture With B.N. consultancy Pvt and PLUS Engineers and Architects (P) Ltd Kathmandu.								
Date of Sign of Design and Supervision Consulting Service	28th August 2017								
Date of Commencement of Design and Supervision Consulting Service	6th September 2017								
Date of Completion	5th September 2020								
Contractor	ZHONGHENG Construction Group International Engineering Co Ltd. Beijing, China.								
Date of Agreement Made	10 <sup>th</sup> October 2017								
Date of Commencement	2 <sup>nd</sup> November 2017								
Date of Completion	1st November 2019								
Contract Amount including PS and VAT	NRs. 2,611,092,249.63								
Progress									
Road Rehabilitation (Asphalt)	27.08%								
Sewer Line	70.66%								
Storm Drain	97.44%								
Road Side Drain	84.90%								



General Features										
Integrated Solid Waste Management (ISWM) Design	Inception Report as well as Stakeholder's Analysis, Communication Strategy and Consultation Plan for Integrated Solid Waste Management (ISWM) has already been submitted. Due to Socio Environment Problem, Progress of Integrated Solid Waste Management (ISWM) design has been hindered.									
Physical Progress up to date	With respect to Revised Work Program-01: Planned: 50.03%, Actual: 50.38%; Lead(+) or Lag(-) by (+) 0.35%									
Financial Progress up to date	In Percentage: 39.99%, In Figure: NRs. 1,044,201,086.39 (including VAT and PS)  In Words: NRs. One Billion Forty Four Millions Two Hundred One Thousand Eighty Six and Thirty Nine Only.									

# 3. SUMMARY OF PROGRESS STATUS OF ALL MAJOR COMPONENTS

S.No	Description	Unit	BoQ Quantity	Progress up to date	Remaining	Progress Status expressed in (%)	Remarks
1	Sewer Line	•					
a	HDPE/RCC	m	20,082.00	14,190.70	5,891.30	70.66%	
b	Manhole	No.	685.00	464.00	221.00	67.74%	
С	Sewer Inlet	No.	1,010.00	380.00	630.00	37.62%	
d	House Connection	No.	3,784.00	790.00	2,994.00	20.88%	
2	Storm Water Dra	in					
a	RCC Drain	m	652.80	570.00	15.00	97.44%	Revised Length =585m
b	Piles	No.	132.00	138.00	(6.00)	100.00%	Exceeded
		•		•			



S.No	Description	Unit	BoQ Quantity	Progress up to date	Remaining	Progress Status expressed in (%)	Remarks
3	Road						
a	Subgrade	m	73,860.00	33,060.56	40,799.44	44.76%	
b	Subbase	m	73,860.00	33,060.56	40,799.44	44.76%	
С	Base	m	73,860.00	26,952.02	46,907.98	36.49%	
d	Prime	m	73,860.00	19,998.15	53,861.85	27.08%	
e	Asphalt	m	73,860.00	19,998.15	53,861.85	27.08%	
4	Road Side Drain	m	26,050.00	22,116.19	3,933.81	84.90%	

#### 3.1. SUB PROJECT COMPONENTS

#### 3.1.1. SEWER LINES

Trunk Line T1 & T2 was already completed in STIUEIP (Secondary Town Integrated Urban Environmental Improvement Project). Remaining part of sewer lines in T3 and T4 have been identified and necessary survey and construction works are in progress. T1Line8, T1Line13A, T1Line14B, T1Line 14C, T2Line24F, T2Line25, T3Line6, T3Line7A, T3Line8, T3Line9, T3Line11H, T3Line12, T3Line13G, T3Line13I, T3Line13K, T3Line21A and T3Line22B are in progress. House connection and sewer inlet placement works in R2, R7, R9, R10, R12 and R33 are in progress. For the month of March, we are planning to do sewer line works at T3 Trunk (North to Devkota Chowk), T3Line10, T3Line10E, T3Line10C, T3Line6, T3Line7C and T4, etc.



**Table 1: PROPOSED SEWER LINES** 

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



Table: - 2 PHYSICAL PROGRESS IN SEWER LINES till date

		В	οQ	Up to Pr	e Month	This	month	Total t	o date	Progress
SN	Description	Length (m)	Manhole (Nos.)	%						
Hume Pip	oe:									
1	Hume pipe (T2)	206.00	6.00	205.00	6.00	-	-	205.00	6.00	
2	Hume pipe (T3)	1,905.00	58.00	292.00	6.00	-	-	292.00	6.00	
3	Hume Pipe (T4)	130.00	4.00	326.00	11.00	-	-	326.00	11.00	
Subtotal i	n (m)	2,241.00	68.00	823.00	23.00	-	-	823.00	23.00	
HDPE Pip	pe:				1	1			l	
1	HDPE (T1)	1,825.00	57.00	1,651.50	50.00	91.70	4.00	1,743.20	54.00	
2	HDPE (T2)	3,927.00	147.00	2,996.00	113.00	-	-	2,996.00	113.00	
3	HDPE (T3)	9,997.00	316.00	5,690.10	192.00	1,348.40	39.00	7,038.50	231.00	
4	HDPE (T4)	2,092.00	68.00	769.00	19.00	821.00	24.00	1,590.00	43.00	
Subtotal in (m)		17,841.00	588.00	11,106.60	374.00	2,261.10	67.00	13,367.70	441.00	



SN	Description	BoQ		Up to Pre Month		This month		Total to	Progress	
		Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	%
Total		20,082.00	656.00	11,929.60	397.00	2,261.10	67.00	14,190.70	464.00	70.66

SN	Description	BoQ (Nos.) Up to Pre Month This month		Up to Pre Month		Up to Pre Month		Up to Pre Month		month	Total to	Progress %
1	Sewer inlet	1,010.00		330.00		50.00		380.00	37.62			
2	House connection	3,784.00		700.00		90.00		790.00	20.88			



#### 3.1.2. STORM WATER DRAIN

The storm water drain CN2, and CN3 has been provisioned in Regional Urban Development Project (RUDP). The Contractor has already completed the works except some minor works at inlet and outlet which have been stopped due to monsoon. The detail of the progress is shown in the table:

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

	Name of Drain		L	ength in n	1		m.	Work Completed				Length	
S		Origin	Revise	Prog	ress	Cum	Type of	Brick		RCC		of Covere	Rema
N		al	d	Previo us	This Month	ulativ e	Drain	m	m <sup>3</sup>	m	$m^3$	d Drain in m	rks
1	CN2-CN3 (Chyangh Baari Nala)	652.89	585	570	0	570	RCC, closed			570		570	
2	CN2-CN3 (Chyangh Baari Nala)	132 nos piles	138	138	0	138 nos.							Piling works compl eted

#### 3.1.3. ROADS AND LANES

Most of the roads/lanes in Biratnagar are in a poor state due to lack of periodic maintenance, and need improvement where as some of the roads are graveled and would benefit from upgrading. In the areas where drainage and sewerage works are proposed there will be significant impact on the existing roads. The Project has considered on design based on reinstatement, rehabilitation and upgrading of existing roads length 73.86 km. Some of the roads of the project has been completed and some of them are in the process of being upgraded and the summary is presented below.



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

		Name of Road			Length in n	1			<b>S</b>			
CNI	Road				Prog	ress		Sub-base	Base	Asphalt	RCC	ark
SN	Number		Original	Revised	Previous	This Month	Total	m	m	m	m	Remarks
1	R42	Bhagwati Marg	218.00	218.00	218.00		218.00	218.00	218.00	123.00		
2	R5	College Road	970.00	970.00	650.00		650.00	650.00	650.00	599.20		Asphalt completed
3	B2	Gauri Shankar Marg	2,777.83	2,777.83	2,152.00		2,152.00	2,152.00	2,152.00	2,152.00	210.00	
4	R65	Satghumti Marg	282.00	320.00	320.00		320.00	320.00				
5	R107		173.00	215.00	215.00		215.00	215.00				
6	R107 a		50.00	50.00	50.00		50.00	50.00				
7	R104	VIP Marg	273.00	273.00	273.00		273.00	273.00	273.00	273.00		Asphalt completed
8	R3A	Madhumara Marg	600.00	600.00	600.00		600.00	600.00	600.00	582.00		Asphalt completed
9	B1	Kanchan Marg	1,172.94	1,173.00	1,173.00		1,173.00	1,173.00	1,106.00	1,106.00		
10	R21	Pratibha Marg	1,320.00	1,320.00	1,120.00	210.00	1,330.00	1,330.00	1,330.00			
11	В3	Keshaliya Marg	1,574.00	1,574.00	1,574.00		1,574.00	1,574.00	1,574.00	1,574.00		
12	S13		1,617.00	1,617.00	1,417.00		1,417.00	1,417.00	1,417.00	1,417.00		Asphalt completed



					Length in n	1			Work Com	pleted		70
CNI	Road	Name of			Prog	ress		Sub-base	Base	Asphalt	RCC	arks
SN	Number	Road	Original	Revised	Previous	This Month	Total	m	m	m	m	Remarks
13	R12	Kanchha Dai Marg	1,192.00		837.00	460.00	1,297.00	1,297.00	1,297.00	260.00		
14	Rani site	Rani	4,023.00	4,023.00	2,315.00		2,315.00	2,315.00	1,702.00	1,096.00		
15	R16	Satya Marg	604.00	604.00	604.00		604.00	604.00	604.00	542.10		Asphalt completed
16	R26	Pasang Marg	617.00	654.00	654.00		654.00	654.00	654.00	215.00		
17	R28	Pustakalaya Marg	635.00	635.00	635.00		635.00	635.00	635.00	339.20		
18	R27	Peepal Marg	810.00	810.00	580.00		580.00	580.00	580.00	300.00		
19	R25	Devi Marg	599.00	580.00	580.00		580.00	580.00	580.00	561.70		
20	R24	Prabhat Marg	384.41	380.00	380.00		380.00	380.00	380.00	364.95		Asphalt completed
21	R37	Banglamukhi Marg	420.00	477.00	477.00		477.00	477.00	477.00	200.70		
22	R7	Manakamana Marg	814.00	814.00	242.00	300.00	542.00	542.00	542.00	242.00		
23	R30	Shanti Marg	212.00	212.00	123.10		123.10	123.10	123.10	123.10		Asphalt completed
24	R9	Fadindra Marg	123.00	123.00	119.00		119.00	119.00	119.00	119.00		Asphalt completed
25	S11	Samrat Marg	660.00	660.00	660.00		660.00	660.00	504.60	504.60		



					Length in n	1			Work Com	pleted		20
GP.	Road	Name of			Prog	ress		Sub-base	Base	Asphalt	RCC	ark
SN	Number	Road	Original	Revised	Previous	This Month	Total	m	m	m	m	Remarks
26	R22	Amar Marga	373.10	367.65	367.65		367.65	367.65	367.65	367.65		Asphalt completed
27	R29	Shanti Marg	620.00	620.00	403.00		403.00	403.00	403.00	257.70		
28	R36	Gaurav Marg	218.00	218.00	220.00		220.00	220.00				
29	R33	Tarun Marg	285.00	285.00	262.00	18.00	280.00	280.00	280.00			
30	R64	Satya Narayan Marg	121.00	121.00	121.00		121.00	121.00				
31	R8		-	225.00	225.00		225.00	225.00	225.00	225.00		Asphalt completed
32	N36		-	190.00	190.00		190.00	190.00	186.95	186.95		Asphalt completed
33	R188	Shakti Marg	-	120.00	120.00		120.00	120.00				
34	R2	Main Road	-	-	350.00	300.00	650.00	650.00	350.00	350.00		
35	T3 Line 6A	Pandit Meghnath Marg	1	220.00	220.00		220.00	220.00				
36	T2 Line 24C	Nava Jyoti Marg	-	205.00	205.00		205.00	205.00				
37	T2 Line 24D	Nava Jyoti Marg	-	210.00	210.00		210.00	210.00				



					Length in n	1			Work Com	pleted		
CNI	Road	Name of			Prog	ress		Sub-base	Base	Asphalt	RCC	ark
SN	Number	Road	Original	Revised	Previous	This Month	Total	m	m	m	m	Remarks
38	R63 (DSP Road)	DSP Road	420.00	420.00	420.00		420.00	420.00	395.00	395.00		Asphalt completed
39	R90	Shakti Marg	450.00	320.00	320.00		320.00	320.00				
40	R77	Arniko Marg	80.00	80.00	80.00		80.00	80.00	80.00			
41	R76	Mitra Marg	270.00	270.00	270.00		270.00	270.00	270.00			
42	R183	Nava Jyoti Marg	240.00	240.00	240.00		240.00	240.00	220.00	220.00		Asphalt completed
43	T1 L16B	Xenial Front	210.00	210.00	210.00		210.00	210.00	205.00	205.00		Asphalt completed
44	T1L16A	Xenial South	140.00		140.00	40.00	180.00	180.00	180.00	180.00		
45	R114	Dharanidhar Marg	560.00	560.00	560.00		560.00	560.00	560.00	560.00		
46	R113	Kavi Lekh Marg	740.00	740.00	740.00		740.00	740.00	740.00	740.00		
47	R5a		370.00	370.00	370.00		370.00	370.00	370.00	370.00		
48	Rani site B		600.00	520.00	520.00		520.00	520.00				
49	R3	Dharamban Marg	-	2,230.00	2,233.00		2,233.00	2,233.00	2,150.30	2,150.30		
50	R78	Sombare - Highway	92.00	92.00	92.00		92.00	92.00	92.00	92.00		Asphalt completed



					Length in n	1			Work Com	pleted		<b>50</b>
CAL	Road	Name of			Prog	ress		Sub-base	Base	Asphalt	RCC	ark
SN	Number	Road	Original	Revised	Previous	This Month	Total	m	m	m	m	Remarks
51	R84	West of school	673.00	235.00	330.00		330.00	330.00	236.00	236.00		
52	R85	Machha Line	153.00		153.00	7.00	160.00	160.00	160.00	160.00		
53	R87	Mahabir Chowk	150.00	148.00	148.00		148.00	148.00	110.00	110.00		
54	R86	Petrol pump side -R12			193.00	100.00	293.00	293.00	293.00	293.00		Asphalt completed
55	R11	R18/R86	281.00	281.00	281.00		281.00	281.00	205.00	205.00		Asphalt completed
56	N3	Jatuwa	120.00	117.00	117.00		117.00	117.00				
57	N4	Jatuwa	170.00	168.00	168.00		168.00	168.00				
58	R10	Ram Marga	1,092.00	1,092.00	292.00		292.00	292.00				
59	T2L26F	APF	61.50	61.50	55.00		55.00	55.00				
60	T2L27		80.00	80.00	80.00		80.00	80.00	80.00			
61	R122		265.55	265.55	265.55		265.55	265.55				
62	N9		220.42	220.42	220.42		220.42	220.42	220.42			
63	R17		610.06	610.06	365.00		365.00	365.00				



					Length in n	1			Work Com	pleted		×
CNI	Road	Name of			Prog	ress		Sub-base	Base	Asphalt	RCC	ark
SN	Number	Road	Original	Revised	Previous	This Month	Total	m	m	m	m	Remarks
64	R18		465.78	465.78	370.00		370.00	370.00				
65	N2		75.84	75.84	75.84		75.84	75.84				
66	T3L6	Moti marga			-	170.00	170.00	170.00	170.00			
67	T3L6A	Golchha Marga			-	220.00	220.00	220.00	220.00			
68	T3L23	Madhumara road			-	300.00	300.00	300.00	300.00			
69	R45	Bata road			-	295.00	295.00	295.00	295.00			
70	T3L21				-	400.00	400.00	400.00				
71	N5				-	70.00	70.00	70.00	70.00			
	Total		32,328.43	33,733.63	30,170.56	2,890.00	33,060.56	33,060.56	26,952.02	19,998.15	210.00	



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

				Cate	egory		I	ength in r	n		Foo	tpath	S
SN	Road Number	Name of Road	Type*	Catt				Progr	ress		100	<b></b>	Remarks
	Number	Road	,,	<3m	>3m	Original	Revised	Previous	This Month	Cumulative	m	$m^2$	Rei
1	B2	Gauri Shankar Marg	Precast block			2,777.83	2,777.83	1,700.00	1	1,700.00	1,700.00	3,888.96	
2	S11	Bhatta Chowk to Sankhar Chowk	Precast block			900.00	900.00	300.00	-	300.00	300.00	270.00	
3	B3 (3)	Keshaliya Road	Precast block					-	500.00	500.00	500.00	1,200.00	
4	R16	Jatuwa	Precast block					-	400.00	400.00	400.00	440.00	
5	R21		Precast block					-	230.00	230.00	230.00	230.00	

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

SN	Description	Unit	Proposed	Total Up to Previous Month	This Month	Total Up to this Month	Progress
1	Subgrade	m	73,860.00	28,454.25	4,606.31	33,060.56	44.76%
2	Sub Base	m	73,860.00	26,386.70	6,673.86	33,060.56	44.76%
3	Base	m	73,860.00	18,398.10	8,553.92	26,952.02	36.49%
4	Prime/Tack	m	73,860.00	15,167.45	4,830.70	19,998.15	27.08%
5	Asphalt	m	73,860.00	14,167.45	5,830.70	19,998.15	27.08%
6	Paint	m	73,860.00	500.00	4,700.90	5,200.90	7.04%

#### 3.1.4. ROAD SIDE DRAIN

Most of the roads under this project for upgrading is without drain or existing drain in poor condition. The project has provisioned drain at both sides or one side as per the RoW of the road. The contractor has already started drain works at many locations. The progress for the drain works is listed below:

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

								Work Con	npleted	S
SN	Road	Name of			Prog	ress		Brick	RCC	lark
SIT	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
1	B1	Kanchan Marg	-	-	90.00	-	90.00	90.00		
2	R29	Shanti Marg	270.00		256.52	-	256.52	256.52		
3	N36				185.88	-	185.88	185.88		
4	R8		370.00		219.83	-	219.83	219.83		
5	R7	Devi Marg and Pipal Marg	155.00	155.00	89.58	-	89.58	89.58		
6	R63	DSP Road	418.79		418.79	-	418.79	418.79		
7	R9	Baglamukhi path	120.00	103.20	103.20	-	103.20	103.20		
8	S13	Udaya Marga	-	158.10	158.10	-	158.10	158.10		
9	N33		-	70.00	70.00	-	70.00	70.00		
10	R28	Pustakalaya Marg	340.00	278.00	278.00	-	278.00	278.00		
11	R90	Shakti Marg	320.00		313.25	-	313.25	313.25		
12	R114	Dharanidhar Marg	-	312.33	312.33	-	312.33	312.33		
13	R11	Om Shiv Marg	-		200.17	-	200.17	200.17		
14	R18		-	382.50	81.50	300.00	381.50	381.50		
15	R17		-		75.00	-	75.00	75.00		
16	R113	Kavi Lekhnath Marg	-	312.45	72.45	-	72.45	72.45		
17	R77	Arniko Marg	97.00		80.00	-	80.00	80.00		
18	R76	Mitra Marg	272.00	275.00	170.00	-	170.00	170.00		
19	N9	Devi Marga	-		22.70	-	22.70	22.70		
20	N4		-	170.00	146.38	-	146.38	146.38		
21	R33	Tarun Marg	-	265.00	264.48	-	264.48	264.48		
22	R36	Gaurav Marg	218.00		216.45	-	216.45	216.45		



					Length in m	1		Work Cor	npleted	70
SN	Road	Name of			Prog	ress		Brick	RCC	ark
511	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
23	R86	Janpath Marg	215.00		187.55	-	187.55	187.55		
24	R183	Nava Jyoti Marg	242.00		211.05	-	211.05	211.05		
25	R7a		77.81		65.00	-	65.00	65.00		
26	Rani site	Rani B	-	650.00	530.00	-	530.00	530.00		
27	Rani site	Rani A	-	300.00	270.00	-	270.00	270.00		
28	N3		-		110.00	-	110.00	110.00		
29	N5		-		65.00	-	65.00	65.00		
30	R21	Binayak Marga	-	390.00	88.25	300.00	388.25	388.25		
31	R2	Main Road	2,060.00	2,060.00	374.32	993.18	1,367.50	1,367.50		
32	T1L16B	Xenial Front	-		205.68	-	205.68	205.68		
33	T1L16A	Xenial South	-	160.00	150.20	-	150.20	150.20		
34	R75	Tintoliya Marga	135.00	135.00	127.50	-	127.50	127.50		
35	R122	Amar Marga	-		250.48	-	250.48	250.48		
36	R18 Branch		-	30.00	30.00	-	30.00	30.00		
37	R7(b)(Neuro to sidhartha chowk)	Siddhartha Marga	317.00	317.00	300.00	1	300.00	300.00		
38	R12	Sukra Path	-		210.00	80.00	290.00	290.00		
39	R42	Jahada Marga	-		171.00	-	171.00	171.00		
40	R6	Shahi Marg	460.00		660.00	-	660.00		760.00	
41	R21(a)	DharamBadh Junction	-	160.00	80.00	-	80.00	80.00		
42	R78	Binayak Marga	92.00	70.00	70.00	-	70.00	70.00		
43	R188	Shakti Marg		120.00	115.60	-	115.60	115.60		
44	R40	Brahma Kumari Marga	-		150.00	-	150.00	150.00		
45	Rani Site C		-	100.00	97.50	-	97.50	97.50		
46	Ranit Site D		-	131.45	131.45	-	131.45	131.45		
47	T3L21	Moti Marga	380.00	380.00	360.95	-	360.95	360.95		



					Work Con	npleted	70			
SN	Road	Name of			Prog	ress		Brick	RCC	arks
SIN	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
48	T3L39	Gaheli Marga	-	278.00	270.00	-	270.00	270.00		
49	T3 Line 39A		-	90.00	90.00	-	90.00	90.00		
50	T3 L39B		-	-	90.00	-	90.00	90.00		
51	T2L27	Bhumi Prashasan Junction	92.00	80.00	79.50	-	79.50	79.50		
52	T4 Line 1	Sailesh Marg	-	197.00	100.00	-	100.00	100.00		
53	N2				95.00	_	95.00	95.00		
54	T2 Line 26E	College Road	80.00	80.00	90.00	-	90.00	90.00		
55	T2 Line 18C	Maisthan Marga	-	105.00	102.00	-	102.00	102.00		
56	T2Line 18A	Makalu Marga	90.00		60.00	-	60.00	60.00		
57	R6 (T3L11i)		-	275.00	247.50	-	247.50	247.50		
58	R9(T3L11k)	Tathasthu Marga	-	200.00	180.00	-	180.00	180.00		
59	R45 (T3Line10D)	Dadhiram Marga	302.00	302.00	260.00	-	260.00	260.00		
60	R9, T2 L19	Fanindra Marga	256.00	256.00	215.00	-	215.00	215.00		
61	R7c (Neuro to Shanti Chowk	Siddhartha Marga	240.00		305.00	-	305.00	305.00		
62	R84	School Marga	673.00		413.00	200.00	613.00	613.00		
63	R85	Lekhanath Marga	162.00		150.00	-	150.00	150.00		
64	R87	Byas Marga	160.00		150.00	-	150.00	150.00		
65	Rani B (Bus park)		-	120.00	90.00	-	90.00	90.00		
66	R8(a)	Madhumara Marg	218.00		220.00	65.00	285.00	285.00		
67	T3L23A		263.47	263.47	100.00	-	100.00	100.00		
68	Rani E		85.00	85.00	85.00	-	85.00	85.00		
69	R102	Hamro Marg			132.50	-	132.50	132.50		
70	R10/R10a	Ram Marga	1,092.41		440.36	300.00	740.36	740.36		
71	N10	APF	154.48	154.48	150.00	-	150.00	150.00		



						Work Cor	npleted	<b>20</b>		
SN	Road	Name of			Prog	ress		Brick	RCC	Remarks
511	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Rem
72	R23	Bani Marg	226.12	226.12	200.00	-	200.00	200.00		
73	R103	Vibuti Marga	173.00	173.00	162.50	-	162.50	162.50		
74	T3L6	Sahid Marga			130.00	170.00	300.00	300.00		
75	P1, T3L6A	Pandit Meghnath Marga	280.00	280.00	160.00	100.00	260.00	260.00		
76	T2 L24C & D	Hanuman Das Marga	176.93	176.93	130.00	-	130.00	130.00		
77	R99	APF	187.00	187.00	187.00	-	187.00	187.00		
78	T2 L25		409.00	409.00	150.00	-	150.00	150.00		
79	R20		190.00	190.00	60.00	-	60.00	60.00		
80	T2L24F		120.00	120.00	60.00	-	60.00	60.00		
81	R105		168.19	168.19	150.00	-	150.00	150.00		
82	R34	Prabhu Marg	151.00	151.00	158.35	-	158.35	158.35		
83	R35	Garima Marg	138.00	138.00	138.00	-	138.00	138.00		
84	R107		180.00	180.00	160.00	-	160.00	160.00		
85	T3L13D		80.00	80.00	70.63	-	70.63	70.63		
86	T3L13E		70.00	70.00	62.40	-	62.40	62.40		
87	T3L11E		160.00	160.00	110.00	-	110.00	110.00		
88	B2				76.50	-	76.50	76.50		
89	R78				35.00	-	35.00	35.00		
90	R7b				88.50	200.00	288.50	288.50		
91	T3L21A				25.00	-	25.00	25.00		
92	R74				96.00	-	96.00	96.00		
93	R46				120.00	-	120.00	120.00		
94	R101				160.00	-	160.00	160.00		
95	T3L7A				100.00	-	100.00	100.00		
96	T3L8				75.00	-	75.00	75.00		
97	R20				100.00	-	100.00	100.00		
98	R5				200.00	-	200.00	200.00		



			Length in m Progress					Work Cor	npleted	Ø
SN	Road	Name of			Prog	ress		Brick	RCC	Remarks
	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Ren
99	R67				110.00	-	110.00	110.00		
100	R82				110.00	140.00	250.00	250.00		
101	T1L13A				90.00	10.00	100.00	100.00		
102	T1L14A				85.00	65.00	150.00	150.00		
103	R68				180.00	20.00	200.00	200.00		
104	T3L22A				110.00	40.00	150.00	150.00		
105	T3L22B				50.00	70.00	120.00	120.00		
106	T3L25C				70.00	60.00	130.00	130.00		
107	T3L11B				60.00	-	60.00	60.00		
108	T3L11M				50.00	-	50.00	50.00		
109	R106				70.00	-	70.00	70.00		
110	R41				500.00	20.00	520.00	520.00		
111	T2L19B				60.00	50.00	110.00	110.00		
112	R30				180.00	-	180.00	180.00		
113	T3L13C				45.00	55.00	100.00	100.00		
114	T3L13J				72.53	-	72.53	72.53		
115	T2L18Y				100.00	-	100.00	100.00		
116	T2L19P				114.38	-	114.38	114.38		
117	T2L19Q				126.55	-	126.55	126.55		
118	R9A				208.73	-	208.73	208.73		
119	R9B				25.00	-	25.00	25.00		
120	T3L7	Sahid Marga			-	215.00	215.00	215.00		
121	T2L18K				-	40.00	40.00	40.00		
122	T3L23C				-	30.00	30.00	30.00		
123	T2L24E	Mahabir Marga			-	60.00	60.00	60.00		
	Total				18,533.01	3,583.18	22,116.19	21,456.19	760.00	



#### 3.2. ENVIRONMENTAL ASPECT

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

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

#### 3.2.1. BORROW/ QUARRY SITES

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

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

#### 3.2.2. DISPOSAL OF SPOIL AND CONSTRUCTION WASTE

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

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

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

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

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

#### 3.2.3. PROVISION AND MAINTENANCE OF TOILETS

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

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



toilet conditions where required.

The numbers of toilets in each camp is also attached hereby in annex. Toilets in all the camps are found to be in the acceptable condition.

#### 3.2.4. CRUSHING PLANTS

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

#### 3.2.5. ASPHALT PLANTS AND BATCHING PLANTS

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

As the concrete quantity of the project is very minimal, there is no need of the separate batch plant for concrete mixing. However, as there are a lot of asphalt concrete works to be done in the project, a separate asphalt plant has been installed, especially for the project, at around 6 Km south of the Biratnagar DSC office at a place called Rani.

#### 3.2.6. OCCUPATIONAL HEALTH AND SAFETY MEASURES

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

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

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

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

A regular monitoring visit by DSC was carried out and a standard site specific environmental monitoring checklist was used to record the present status of the project to verify if work has been done as per EMP Guidelines. A sample of environmental checklist is attached herewith as Annex.



#### 3.3. SOCIAL ASPECT

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

#### 3.4. SAFEGUARD/ GESI COMPONENT

#### 3.4.1. COMMUNITY AWARENESS:

Conduct regular Community Awareness Consultations within Project Areas to build awareness on Project Objectives, Activities and implementation during site observation, Monitoring and Meetings. Different site visit has been conducted during May, 2018 such as DDC Pre cast yard, Chyangbari Naala Biratnagar-16, Asphalt work at Sai Marg, Sewer Line construction work at Hanumandas Road and Asphalt Plant at Rani Site. Except of Minor, no any major conflict has been found during construction work. The visit was conducted jointly with Environment Safeguard Expert and Social Safeguard Expert. Before commissioning of any works at any stretches, we paste the information templates at certain interval and provide sufficient information to the users regarding it which is certainly attached in Annex-4.

#### 3.4.2. GRIEVANCE REDRESSES MECHANISM:

Although many grievances were received verbally, only 9 grievances have been registered formally which have immediately been addressed and resolved. This month, no grievances were found to be registered in written from but many grievances were received verbally and were addressed immediately.

#### 3.4.3. GENDER EQUITY AND SOCIAL INCLUSION (GESI):

Activities related to GESI has been monitored and supervised in all Construction sites. During site visit female workers were found in significant minority (7 numbers) at Construction sites, thus Contractor was instructed as follow:

- i. Encourage to Local female Employment as Labor and skilled man power.
- ii. Manage separate Camp and necessary facilities for female workers to encourage of female Employment.

Camps and construction sites are regularly been monitored to find the status of working force.

## 3.4.4. STATUS OF SOCIAL AND ENVIRONMENTAL SAFEGUARD MEASURES

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



During the site visit for Socio Environment monitoring by DSC Environmental and Social Safeguard Expert on date 1<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 equipments.

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

#### 3.4.5. STATUS OF RELOCATION OF SERVICES

Electric poles were relocated at Rani, Bata Road, R183, R10, Zenial East & South, T3L6, T3L6A, T3L7 and DSP Road. Similarly, relocation of water supply pipe lines was done in B1 and R39, etc.

Table – 5: Status of Labor at Site

Labour	La	Labour		Composition		Ethnic composition				
class	Skilled	Unskilled	Male	Female	Janjati	Dalit	Muslim	Madhesi	Brahmin/ Chhetri	
Local	52	174	225	1	31	44	54	97	0	
Non local	85	332	407	10	103	102	49	163	0	
Indian	5	14	19	0	5	5	0	9	0	
TOTAL	142	520	651	11	139	151	103	269	0	

#### 3.5. FINANCIAL PLAN

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



#### 3.5.1. DISBURSEMENT RECORDS IN CONSTRUCTION

Table - 6: DISBURSEMENT RECORDS in CONSTRUCTION

S.No	Description	Submission date	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	261,501,492.21	
3	IPC 03	1st July 2018	316,582,708.58	
4	IPC 04	1st October 2018	105,227,887.17	
5	IPC 05	2 <sup>nd</sup> December 2018	95,951,603.44	
6	IPC 06	3 <sup>rd</sup> January 2019	264,937,394.99	
	amount excludes excluded till date =	ding PA & Mobilization	1,044,201,086.39	

#### 4. OBJECTIVES AND SCOPE OF WORKS

#### 4.1. OBJECTIVES

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

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

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

#### 4.2. SCOPE OF WORKS

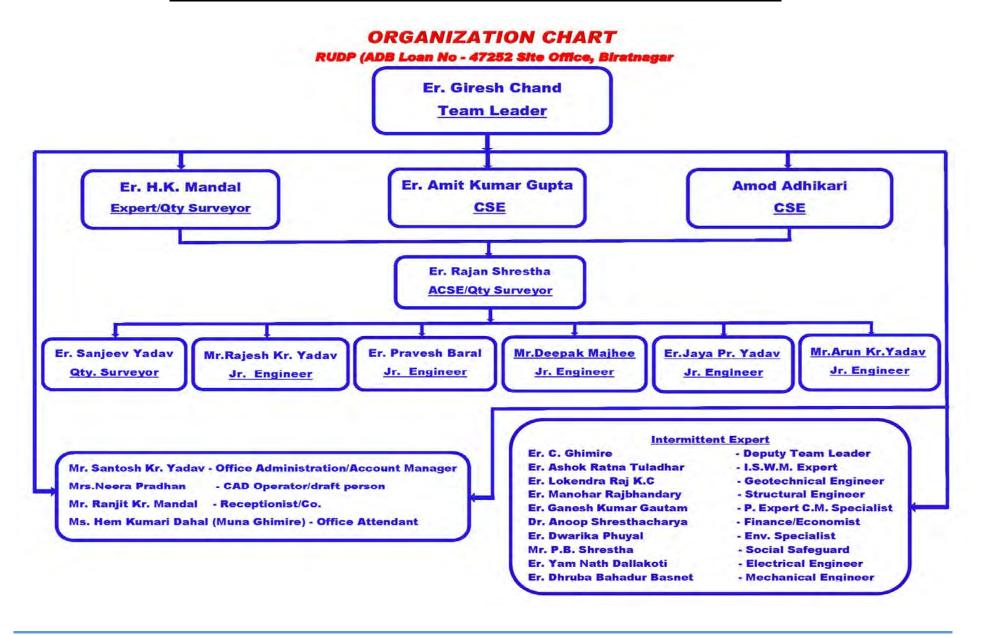
The scope of works for consultant's services is fairly detailed in the TOR attached with contract Agreement. The main points are summarized below:

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



### 4.3. ORGANIZATION AND STAFFING

## **Attached**





#### 4.4. CONSULTANT'S ACTIVITIES IN CONSTRUCTION PHASE

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

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

SN	Name	Designation	Joining date	Remarks
1	Giresh Chand	Team Leader	6 <sup>th</sup> Sep 2017	
2	Ashok Ratna Tuladhar	ISWM ( Designer)	6 <sup>th</sup> Sep 2017	Intermittent
3	Dwarika Phuyal	Environmental Safeguard Expert	1 Nov 2017	Intermittent
4	Prakash Bhakata Shrestha	Social Safeguard Monitoring Expert	26 <sup>th</sup> dec-2017	Intermittent
5	Hare Krishna Mandal	Expert/Quantity surveyor	1st Nov 2017	
6	J.P Yadav	Construction Supervision Engineer	1st March 2018	Discontinued the service since 25 <sup>th</sup> April, 2018.
7	A.K Gupta	Construction Supervision Engineer	1st March 2018	
8	Nishant K.C.	Construction Supervision Engineer	2 <sup>nd</sup> April 2018	Discontinued the service since 1stOctober, 2018.
9	Amod Adhikari	Construction Supervision Engineer	7 <sup>th</sup> Oct 2018	
10	Rajan Shrestha	ACSE/Quantity Surveyor	7 <sup>th</sup> Nov 2017	
11	Rajesh Kumar Yadav	Junior Engineer-1	6 <sup>th</sup> Sep 2017	
12	Sanjeev Yadav	Qty Surveyor	5 <sup>th</sup> Nov 2017	
13	Santosh Kumar Yadav	Office Administration/Account Manager	6 <sup>th</sup> Sep 2017	
14	Hem Kumari Dahal (Muna Ghimire)	Office Attendant	6 <sup>th</sup> Sep 2017	
15	Ranjit Kumar Mandal	Receptionist	10 <sup>th</sup> Dec 2017	
16	Pravesh Baral	Junior Engineer-2	10 <sup>th</sup> Dec 2017	
17	J.P Yadav	Junior Engineer-3	1st March 2018	
18	Deepak Majhi	Junior Engineer-4	1st March 2018	

SN	Name	Designation	Joining date	Remarks
19	Arun Kumar Yadav	Junior Engineer-5	16 <sup>th</sup> March 2018	
20	Neera Pradhan	CAD operator/Draft Person	10 <sup>th</sup> Dec 2017	
21	Ramji Ghimire is replaced by Youba Raj Paudel	Driver	10th Feb-2019	Ramji Ghimire discontinued the service since 10th Feb-2019.

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

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



#### 5. PROGRESS OF SUB - PROJECT COMPONENTS

#### 5.1. CONSTRUCTION MATERIALS.

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

The Contractor has informed to borrow RCC NP-3 pipes from Itahari Hume pipe factory or other location and also requested for three Edge bearing test. It will be tested very soon in presence of consultant TL/PIU and contractor representative.

#### 5.2. PROGRESS ACHIEVED TILL DATE

	Target This Month		Achievement This Month		Leading		Lagging		
Month	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Remarks
July-18	0.15%	25.17%	0.78%	25.18%	0.63%	0.01%		NA	Leading
August-18	0.15%	25.32%	2.32%	27.50%	2.17%	2.18%		NA	Leading
September- 18	5.71%	31.03%	1.22%	28.72%	NA	-2.31%		-2.31%	Lagging
October-18	7.72%	38.75%	2.30%	31.03%	NA	-7.72%		-7.72%	Lagging
November- 18	7.72%	46.47%	5.20%	36.22%	NA	-10.25%		-10.25%	Lagging
December- 18	7.95%	54.41%	3.40%	39.62%	NA	-14.79%		-14.79%	Lagging
January-19	7.96%	62.37%	5.65%	45.27%	NA	-17.10%		-17.10%	Lagging
February- 19 (wrt Revised work program- 01)	5.33%	50.03%	5.11%	50.38%	NA	0.35%		NA	Leading



#### **5.3. KEY EVENTS**

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

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

S. No.	Date	Activities/Events	Remarks
1		Frequent visit from the employer at Day and Night shift of works.	

### 6. DETAILS OF PRE CAST ACTIVITIES.

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

	Physical Progress till February 2019										
			P	rogress							
S.N.	Description	Unit	BoQ	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks				
1	Precast Slab	No		45,722.00	2649.00	48,371.00	Under progress				
2	Kerb Stone	Rm	147,729.68	77,293.30	0.00	77,293.30	52.32%				

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

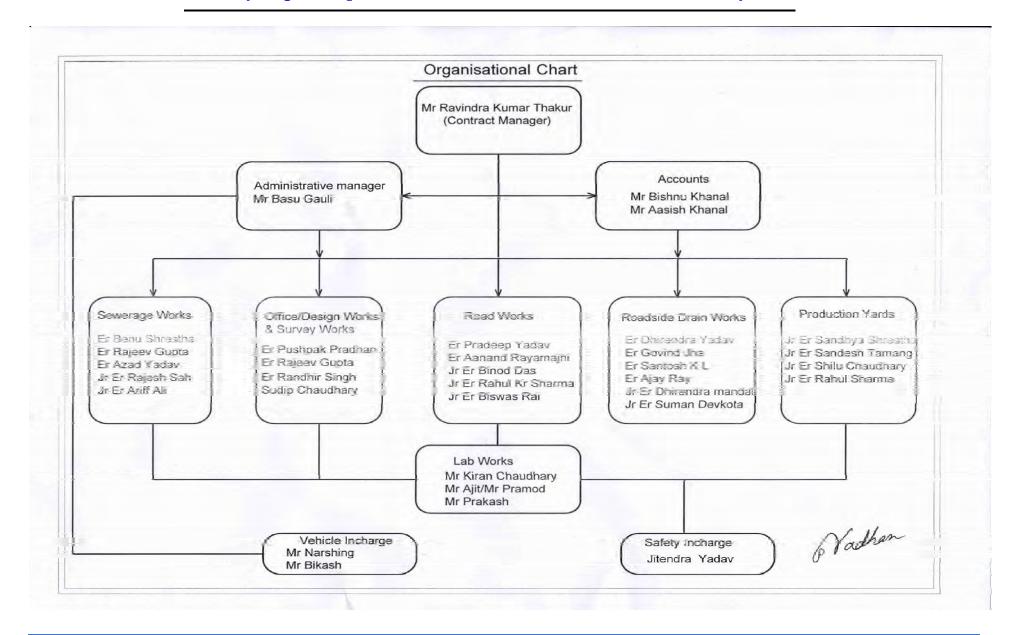
	Physical Progress till February 2019											
				Progress								
S.N.	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks					
1	RCC Pipe	300	336.00	336.00	1	336.00						
2	RCC Pipe	450	681.00	681.00	ı	681.00						
3	RCC Pipe	500	842.00	842.00	-	842.00						
4	RCC Pipe	600	382.00	382.00	1	382.00						
	Total				-							

Table 11: PHYSICAL PROGRESS in PRODUCTION OF HDPE Pipe till date,

	Physical Progress till February 2019									
				Progr	ess					
S.N.	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks			
1	HDPE Pipe	110.00	1,987.20	2,487.20	-	2,487.20				
2	HDPE Pipe	200.00	16,656.00	16,500.00	-	16,500.00	Under process			
3	HDPE Pipe	250.00	115.00	450.00	-	450.00				
	Total									

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

	Physical Progress till February 2019										
S.N.	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM)	This Month (Rm.)	Total to Date (RM.)	Remarks				
1	UPVC Pipe	160.00	5,050.00	4,800.00	-	4,800.00					
2	UPVC Pipe	110.00	5,050.00	4,000.00	-	4,000.00					





# 7. CONTRACTOR'S MANPOWER

Table 13: CONTRACTOR'S KEY STAFFS in February, 2019

S.No	Position	Minimum Number Required as per Contract	ZHONGHENG CONSTRUCTION Group	Remarks
1	Project/Contract Manager (1 No) 15/10 Yrs (Total/Similar Exp.)	1	1	
2	Civil Engineer- 10/6	2	2	
3	Sanitary Engineer- (1no.)- 12/8	1	-	
4	Road Engineer- (1no.)-12/8	1	1	
5	Electromechanical Engineer-(1no)- 10/5	1	-	
6	Safety Engineer	-	1	
7	Site Engineer	-	14	
8	Sub- Engineer	-	12	
9	Accountant	-	2	
10	Lab Technician	-	1	
11	Store Keeper	-	2	
12	Vehicle In charge		2	
13	Skilled Labors		108	
14	Unskilled Labors		212	

# 8. CONTRACTOR'S EQUIPMENT

**Table 14: CONTRACTOR'S EQUIPMENT** 

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

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

## 9. WORK PLAN FOR THE NEXT MONTH

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

- Detail Surveying works at various Road sections and for sewer line.
- Road works
- Road painting works, etc.
- Precast production works at contractor's yard.
- Road Side drain works.
- Laying of Kerb Stone, cover slab and interlocking tiles, etc.
- Sewer line, Sewer inlet and House Connection works, etc.



**ANNEX-1: Photographs of February, 2019** 



Raising of Sewer Manhole to achieve required design level at R77



Field Density Test at T3L6 – Moti Marga





Sub Grade work at R2



Relocation of electric poles at T3L6A





Brooming work before application of prime coat at R86



Road painting/marking at R21





Base laying work at T3L6



Prime coat Works at T3L6





Information Notice before Commencement of work

**ANNEX-2: Minutes of Meeting February, 2019** 

N/A

# ANNEX-3: Laboratory Test Results of February, 2019 ATTACHED

#### INTERNAL TEST REPORT

#### 1. Background

Date of Inspection & Test Performed: Magh 11, 2074-B.S. (25th Janauary 2018 A.D.)

Name of Project: Regional Urban Development Project (RUDP) at Biratnagar

Executing Agency: 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

Contract No: RUDP/ICB/BRT-02

Contractor: M/s ZHONGHENG Construction Group International Engineering Co Ltd. Beijing, China.

Buyer: M/s Ashish Nirman Sewa Pvt. Ltd

Supplier: M/s Pathivara Concrete Industries Pvt. Ltd (PCIP-LTD), Morang

Manufacturer: Supplier Self

Product: RCC NP-3 S & S (Spigot & Socket) Type Hume Pipes Test Applied: Three Edge Bearing Test (as per IS 458:2003)

#### 2. Test Result

Internal Diameter (mm)	No of Pipes in the Lot (in Nos)	Sample Pipe (in Nos)	Minimum Specified Load to produce 0.25 mm crack KN/Liner Meter	Three Edge Bearing Test Load to Produce 0.25 mm crack KN/Linear Meter
300	100	3	15.50	No Hair Line Crack Observed @ 15.50 KN/Linear Meter No Crack Observed @ 23.25 KN/Linear Meter
600	50	2	28.74	No Hair Line Crack Observed @ 28.74 KN/Linear Meter No Crack Observed @ 43.11 KN/Linear Meter

## 3. Conclusion & Recommendation:

Test Results are Satisfactory & inspected Pipes as per IS 458 which is eligible for dispatch.

Mr. Haribansha Sahani

Productions Supervisor: PCIP-LTD

PARTHUM PROPERTY

Mr. Shivunandan Yadav Quality Supervisor: PCIP-LTD

3101 Hagy 51120

Page 1 of 1

	REGIO	B	iratnag ontract	gar Me No:- RI	VELOF tropolita UDP/ICB/I Field Densit	n City BRT-02	Γ PROJ	ECT	
						-	Month Year	F	ebruary 2019
-			Loca	tion:-R	1-74		ype of Material	S	ub-Base
Sn.	Lab.Ref.no	Testing Date	Chainage		e content %		y(gm/cc) Field Dry	Compac Compac	paction % Specified
1	RUDP-SB-FD-1, R/S	8-Feb-19	0+040			density	density,	tion	%
2	RUDP-SB-FD-1, L/S	8-Feb-19	0+040	6.00	5.64	2,225	2.137	96.06	1 95
			0.005	0.00	2,30	2,225	2.149	96.57	95
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			Summary	Sheet of	Field Density	v Test	Month	February	
			400				Year		2019
-			Loca	tion:-R			ype of Material		ub-Base
Sn.	Lab.Ref.no	Testing Date	Chainage	Moisture	content %	Max.Dry	(gm/cc) Field Dry	Compac	paction % Specified
						density	density,	tion	%
1	RUDP-SB-FD-1, R/S	10-Feb-19	0+030	6.60	6.40	2.221	2.173	97.84	95
2	RUDP-SB-FD-1, L/S	10-Feb-19	0+065	6.60	5.00	2.221	2.150	96.82	95
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						F	Month Year	Febru 201	
			Loc	ation:-R-	-74		Type of Material	Sub-G	
				Moisture	e content %		ty(gm/cc)	Compac	tion %
šn.	Lab.Ref.no	Testing Date	Chanage	ОМС%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specified %
1	RUDP-SG-FD-1, L/S	5-Feb-19	0+020	7.20	6.58	2.040	1.961	96.12	95
2	RUDP-SG-FD-1, R/S		0+060	7.20	7.56	2.040	2.013	98.68	95
3	RUDP-SG-FD-1, L/S	5-Feb-19	0+085	7.20	6.48	2.040	1.975	96.82	95
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	T. Market		Location:-R-74			Type Mate		Sub	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-S-01	R-74,(0+050)	Existing Road	3-Feb-19	2.040	7,30	10.48	6.84	_
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			Summary	Sheet of	Field Densit	y Test	Month	February	
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		- Same	Chamage	OMC%	Field MC%	Max.Dry density	Field Dry density,	Compac tion	Specified %
1	RUDP-SB-FD-1, L/S	7-Feb-19	0+220	6.10	5.95	2.205	2.155	96.49	/95
2	RUDP-SB-FD-1, R/S	7-Feb-19	0+280	6.10	6.03	2.205	2.173	96.49	95
3	RUDP-SB-FD-1, C/L	7-Feb-19	0+340	6.10	5.71	2.205	2.170	98.41	95
5	RUDP-SB-FD-1, R/S	7-Feb-19	0+390	6.10	5.48	2.205	2.109	95.43	.95
0	RUDP-SB-FD-1, R/S	7-Feb-19	0+410	6.10	5.48	2.205	2.166	96.83	95
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Sn.	Lab.Ref no.	Location/Chainage	Location:-			Mate		Sul	grade
1	RUDP-SG-01	R-7(T3L6),0+200	Existing Road	Date of Testing	MDD	OMC	PI%	CBR%	Remark
		11(1220),01200	Existing Road	10-Feb-19	1.985	10.00	7.46	6.96	/
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	REGIO	ONAL	Biratn Contra	agar M ct No:- F	etropolita RUDP/ICB	an City BRT-0	NT PRO	JECT	
			Summ	ary Sheet	of Field Dens	ity Test	Month *	Febr	uary
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			Locat	ion:-R-7(	content %	Dens	Type of Material		Grade ction %
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dr density gm/cc	density,	Compaction %	Specified %
1	RUDP-SG-FD-1, R/S	12-Feb-19	0+170	10.00	10.15	1.985	Billion	97.38	95
2	RUDP-SG-FD-1, C/L		0+230	10.00	9.61	1.985		96.21	95
3	RUDP-SG-FD-1, L/S	12-Feb-19	0+280	10.00	9.01	1.985		97.77	95
4	RUDP-SG-FD-1, R/S	12-Feb-19	0+310	10.00	9.18	1.985	1.917	96.59	95
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Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry		Compac	
						density	density,	tion	%
1	RUDP-SB-FD-1, R/S	5-Feb-19	0+030	5.90	4.77	2.226	2.151	96.62	95
2	RUDP-SB-FD-1, L/S	5-Feb-19	0+060	5.90	5.43	2,226	2.172	97.58	95
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			Summary	Sheet of	Field Densit	y Test			
						1	Month	F	ebruary 2019
			Locatio	n:-R-7(	T3L6)	1	Type of Material		Sub-Base
	F 1 4 5			Moistur	e content %	Dens	ity(gm/cc)		paction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr		Compac	
1	RUDP-SB-FD-1, L/S	18-Feb-19	0+050	5.78	5.33	density 2.235	density, 2.199	98.38	/%
2	RUDP-SB-FD-1, C/L	18-Feb-19	0+050	5.78	4.94	2.235	2.160	96.66	195
3	RUDP-SB-FD-1, R/S	18-Feb-19	0+280	5.78	5.67	2.235	2.164	96.80	95
-	RODI OD ID 1,100	10 1 00 17	0.200	2.70	0.07	2,230	2.104	70.00	/ //
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	ZHONGHENG CONST	- ///	DIIP	BUILDI	NG DESIGN A	UTHORE	FY (P) LTB IN J	OINT VE	NTURE WITH
	INTERNATIONAL ENG	NEERING CO.	LTD	B.N	N. CONSULTA	ANCYPYT	T. LTD AND PLI TD, KATHMAN	US ENGIN	EERS &
				-	ARCHITE	C15(6) L		DU, NEPA	/
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	ecked By	Submitted By	or	Verifie	d By Surveyor/CSE			Approve Team Le	
		contract Manag abindra Kr. Thak		H.K. M				Giresh C	
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		Co	ntract I	No:- RU	ropolitan DP/ICB/B	RT-02				
		4	Summary	Sheet of	Field Density	Test				
						-	Month	F	bruary	
			Locatio	n:-Xeni	al side	T	Year ype of Material		2019 ub-Base	
			Locatio		e content %		(gm/cc)		paction %	
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC9/	Field MC%	Max.Dry	Field Dry		Specified	
				OMC%	Field MC%	density	density,	tion	9/0	
1	RUDP-SB-FD-1, L/S	4-Feb-19	0+030	6.20	5.01	2.210	2.126	96.21	95	
2	RUDP-SB-FD-1, R/S	4-Feb-19	0+085	6.20	6.15	2.210	2.111	95.53	95	
3	RUDP-SB-FD-1, L/S	4-Feb-19	0+120	6.20	5.17	2,210	2.156	97.58	95	
4	RUDP-SB-FD-1, R/S	4-Feb-19	0+145	6.20	5.02	2.210	2,142	96.91	95	
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-	Contrac	IN EHIMATION		RUU DIN	C DESIGN A	Cons	sultant (P) LATO IN 16	NAT VES	TURE WITH	
1	ZHONGHENG CONSTI	NEERING CO.	LTD	B.N	. CONSULTA	NCY RYTL	RD AND PLU	SENGIN	EERS &	
	OHORZ 3	# au a			X	1	* Biratnago	-/		
100	Yadhan	D		B	Sup.			K		
	ecked By	Submitted By		Verifie				Approve	d By	
		Contract Manage			Surveyor/CSE			Team Lo		
Pus	shpak Pradhan R	abindra Kr. Thak	ur	H.K. M	andal			Giresh C	nand	



Contractor  Contractor  Construction Group International Engineering Co. Ltd.  Lub.Ref no. Location/Chainage Source of Sample Date of Testing MDD OMC P1% CBR% Re 1 RUDP-SG-01 T3L6.(0+080) Existing Road 16-Feb-19 2.050 8.20 6.60 6.80  Contractor  Consultant  Building design authority (P) Ltd.  Joint venture with B.N. Consultant (P) Ltd. And plus engineers & Archity (P) Ltd			Š	Summary Sheet of Mo			Mor Ye. Type	ar	2	ruary 019
Contractor  Consultant  ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  Contractor  Consultant  Building design authority (P) LTD.  Joint venture with B.N. Consultant  PVT. LTD AND PLUS ENGINEERING ACCIDING NEPAL  (P) LTD, KATHMANDE, NEPAL		I -b D-C	Location/Chainage							
Contractor  Consultant  ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD I JOINT VENTURE WITH B.N. CONSULTANO PVT. LTD AND PLUS ENGINEERS & ARCHITY (P) LTD, KATHMANDE, NEPAL								17.674		Remark
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD I JOINT VENTURE WITH B.N. CONSULTANCE PVT. LTD AND PLUS ENGINEERS & ARCHITY (P) LTD, KATHMANDE, NEPAL	1	RUDP-SG-01	13L6,(0+080)	Existing Road	16-Feb-19	2.050	8.20	6.60	6.80	-
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD I JOINT VENTURE WITH B.N. CONSULTANCE PVT. LTD AND PLUS ENGINEERS & ARCHITY (P) LTD, KATHMANDE, NEPAL										
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ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD I JOINT VENTURE WITH B.N. CONSULTANCE PVT. LTD AND PLUS ENGINEERS & ARCHITY (P) LTD, KATHMANDE, NEPAL										
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INTERNATIONAL ENGINEERING CO. LTD  JOINT VENTURE WITH B.N. CONSULTANCE PVT. LTD AND PLUS ENGINEERS & ARCHITECTURE (P) LTD, KATHMANDE, NEPAL										
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Checked By Submitted By Engineer Contract Manager Pushpak Pradhan Rabindra Kr. Thakur H.K. Mandal Giresh Chan		ZHONGH	ENG CONSTRUCT	GROUP LING CO. LTD	JOINT VENT PVT. LTD AND	Co DESIGN TURE W PLUS	nsulta AUTH ITH B.I	ORITI N. CON ERS &	SULT	ANCY

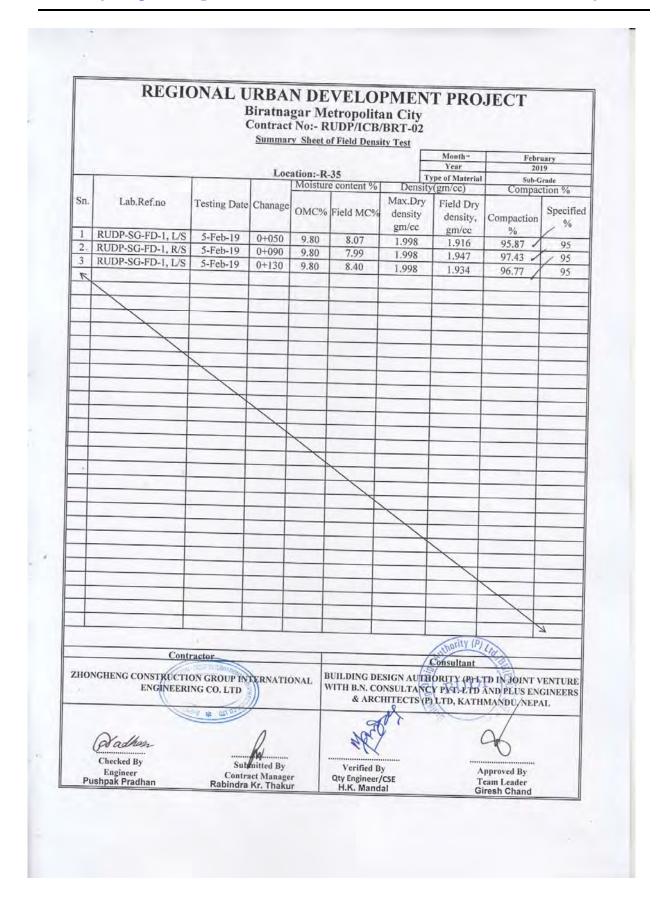
					UDP/ICB				
			Summ:	ary Sheet	of Field Dens	ity Test			
						-	Month Year	Febr 20	
			Loc	eation:-T3			ype of Material	Sub-C	
н				Moisture	content %		y(gm/cc)	Compa	ction %
n.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specified %
1	RUDP-SG-FD-1, L/S	17-Feb-19	0+010	8.20	7.69	2.050	2.019	98.48~	95
2	RUDP-SG-FD-1, R/S		0+050	8.20	7.92	2.050	1.997	97.42	95
3	RUDP-SG-FD-1, L/S		0+120	8.20	7.02	2.050	1.979	96.52	95
4	RUDP-SG-FD-1, R/S	17-Feb-19	0+160	8.20	7.02	2.050	2.000	97.55	95
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ZH	ONGHENG CONSTRUCT	TION GROUP	INTERNA	TIONAL	WITH B.N. (	CONSULTA	NEY PYT. LTI	ETD IN JOIN O AND PLUS E HMANDU, NE	NGINEERS &
	Checked By Engineer Pushpak pradhan		Contract	itted By Manager Kr. Thakur	Verifies Expert Qty Su H.K. Ma	veyor/CSE	* Bira	Approved By Team Leader Giresh Chand	

		Bi	ratnaga ntract N	ar Met No:- RII	ropolitan DP/ICB/B	City RT-02			
					Field Density				
							Month	_	bruary
			Lane	tion:-R	05	-	Year	_	2019
			Loca		e content %		pe of Material (gm/ec)		b-Base paction %
n.	Lab.Ref.no	Testing Date	Chanage			Max.Dry	Field Dry	Compac	Specified
	Daoretino	resting Date	Chanage	OMC%	Field MC%	density	density,	tion	/ %
1	RUDP-SB-FD-1, L/S	7-Feb-19	0+040	5.40	5.58	2.205	2.142	97.13	/ 95
2	RUDP-SB-FD-1, R/S	7-Feb-19	0+090	5.40	5.82	2.205	2.113	95.84 (	, 95
3	RUDP-SB-FD-1, L/S	7-Feb-19	0+125	5.40	4.70	2.205	2.146	97.34	95
4	RUDP-SB-FD-1, R/S	7-Feb-19	0+150	5.40	5.97	2.205	2.137	96.91	95
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	Contrac	tor				Cons	ultant 19		
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	INTERNATIONAL ENGI			B.N	. CONSULTA	NCYPVT. L	TD AND PEU	SENGINE	EERS &
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	Control Contro	ontract Managa bindra Kr. Thak		Expert Qty H.K. M	Surveyor/CSE andal			Team Le Giresh C	
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Location:-R-35  Lab.Ref no. Location/Chainage Source of Sample Date of Testing MDD OMC PI% CBR% Rema Rudp-sg-01 R-35,(0+080) Existing Road 3-Feb-19 1.998 9.80 10.06 6.80  RUDP-sg-01 R-35,(0+080) Existing Road 3-Feb-19 1.998 9.80 10.06 6.80  Contractor  Contractor  Consultant
Lab.Ref no. Location/Chainage Source of Sample Date of Testing MDD OMC P1% CBR% Rema  RUDP-SG-01 R-35,(0+080) Existing Road 3-Feb-19 1.998 9.80 10.06 6.80  Existing Road 3-Feb-19 1.998 9.80 10.06 6.80  Contractor  Contractor  Contractor  Constitution  Contractor  Constitution  Cons
RUDP-SG-01 R-35,(0+080) Existing Road 3-Feb-19 1.998 9.80 10.06 6.80  Contractor  Contractor  Contractor  Contractor  Contract Manager  Submitted By Contract Manager  Contrac
Contractor  Contractor  Contractor  Consultant  Consultant  Consultant  Engineer Contract Manager Pabindra Kr. Thakur Pabindra Kr. Thakur Rabindra
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			Jummary	Sheet of	Field Density	Test	Month	F	ebruary		
			5.71				Year		2019		
_			Loca	tion:-R			ype of Material		Sub-Base		
	Lab.Ref.no	Tastina Data	Chairman	Moisture	e content %	Density	y(gm/cc)		paction %		
n,	Lab.Rel.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density	Field Dry density,	Compac tion	Specified / %		
	RUDP-SB-FD-1, R/S	17-Feb-19	0+330	5.90	5.79	2.225	2.142	96.27	, 95		
2	RUDP-SB-FD-1, R/S	17-Feb-19	0+380	5.90	5.65	2.225	2.141	96.21	95		
3	RUDP-SB-FD-1, C/L	17-Feb-19	0+390	5.90	5.28	2.225	2.163	97.22	/ 195		
1	RUDP-SB-FD-1, R/S	17-Feb-19	0+420	5.90	5.98	2.225	2.132	95.94	95		
				Se Authority (P)							
	Contrac	tor		Consultant							
	ZHONGHENG CONSTI	RUCTION CRO	DUP LTD	BUILDING DESIGN AUTHORITY PLUTD IN JOINT VENTURE WITH B.N. CONSULTANCY PET, LTD AND PLUS ENGINEERS & ARCHITECTS (P) ETQ, KATHMANDU, NEPAL							
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Er		Submitted By Contract Manag	er	Verifie Expert Qty	d By Surveyor/CSE			Approve Team Le			
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				onthly Test Report		Mon	nth	Feb	ruary
						Ye Type		2	019
			Location	:-R-10		Mate		Sub	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remarks
1	RUDP-SG-01	R-10,(0+125)	Existing Road	2-Feb-19	1.965	8.90	9.27	8.08	2
2	RUDP-SG-02	R-10,(0+250)	Existing Road	2-Feb-19	1.980	7.90	10.02	7.38	/
3	RUDP-SG-03 RUDP-SB-04	R-10,(0+500) R-10,(0+650)	Existing Road	2-Feb-19 2-Feb-19		-	9.81		
4	KUDF-3D-04	R-10,(0+050)	Existing Road	2-160-19			9.34		-
-									
-									
		Ctt		1	C	nsulta	IPI/		
_		Contractor			1	1	-	201	0.00
	INTERNAT	ENG CONSTRUCTIONAL ENGINEER	ON GROUP ING CO. LTD	BUILDING JOINT VENTU LTD AND PLU LTI	RE WHT	H B.N.	& AR	CHITE	CY PVT
	Valhan		A	Margo	Y		(	X	/

	REGIO				VELOI		Γ PRO.	JECT	
			Biratna	agar M	etropolita UDP/ICB/	n City			
					of Field Densi				
			Dumma	iry Sheer	or Freid Delist	ty Test	Month -	Febru	iarv
			1.	D	10		Year	201	19
			Lo	Cation:-R Moisture	content %	Density	pe of Material (gm/cc)	Sub-G Compac	
Sn.	Lab.Ref.no	T D	Cl			Max.Dry	Field Dry	Compac	
511.	Lab.Rel.no	Testing Date	Chanage	OMC%	Field MC%	density	density,	Compaction	Specified %
	DUDD GO DD 4 1 1					gm/cc	gm/cc	%	/"
1	RUDP-SG-FD-1, L/S		0+050	8.20	6.98	1.965	1.912	97.31	95
2	RUDP-SG-FD-1, R/S RUDP-SG-FD-1, L/S		0+100 0+160	8.20	6.96	1.965	1.921	97.76	95
4	RUDP-SG-FD-1, R/S		0+100	8.20 8.20	6.61	1.965	1.912	97.30	95
5	RUDP-SG-FD-1, R/S		0+260	8.20	6.29	1.965	1.905	96.92	95
6	RUDP-SG-FD-2, C/L		0+300	8.20	7.31		1.869	95.10	95
7	RUDP-SG-FD-1, L/S		0+360	8.20	6.69	1.965	1.874	95.36	95
8	RUDP-SG-FD-1, C/L	100000000000000000000000000000000000000	0+450	8.20	6.88	1.965	1.938	98.60	, 95
9	RUDP-SG-FD-2, L/S		0+500	7.90	6.98	1.980	1.920	96.96	95
10	RUDP-SG-FD-2, R/S		0+540	7.90	6.96	1.980	1.912	96.58	95
1	RUDP-SG-FD-2, L/S	4-Feb-19	0+600	7.90	6.61	1.980	1.926	97.27	95
2	RUDP-SG-FD-2, R/S	4-Feb-19	0+660	7.90	6.15	1.980	1.934	97.70	95
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	Cor Cor	Bractor				-/	Consultant	1.61	
ZHO		RING CO. LT	INTERNA'	TIONAL	WITH B.N. C	ONSULTAN	CY PVT. LTI	LTD INJOINT O AND PLUS EX HMANDU, NEI	NGINEERS
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	(Nadhan		4	1	Marc	) '		4	
	V			7					
	Checked By Engineer		Sulmit		Verified Expert Qty Sue			Approved By	
	Pushpak pradhan		Rabindra I	Kr. Thakur	H.K. Mar			Team Leader Giresh Chand	



		-	Summary Sheet of Mor	itiliy Test Report		Mon	th:	Fet	ruary
						Ye			019
-		I	ocation:-T3L23			Type Mate	of rial	Sub	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-SG-01	T3L23,(0+120)	Existing Road	6-Feb-19	2.056	7.20	9.80 +	7.43	
2	RUDP-SG-02	T3L23,(0+300)	Existing Road	6-Feb-19			8.05	/	
-								-	
_		ENGINEERING CO		PLUS ENG	KATHM	ANDU,			,
6	Vadham		1	Marke	Y		9	/	
٠				116				)	*********
	hecked By Engineer		Submitted By Contract Manager	Verified B Expert Qty Survey				pprove Team Le	
	npak Pradhan	R	abindra Kr. Thakur	H.K. Manda				iresh C	

	REGIO	NAL U	RBA	N DE	VELOI	PMEN	T PRO.	JECT	
		E	Contract	No:- R	etropolita UDP/ICB/	BRT-02			
			Summar	y Sheet o	f Field Densi	ty Test	Month	Pikin	State of the state
							Year *	Febru 201	
_			Loca	tion:-T3			ype of Material	Sub-G	
				Moistur	e content %		y(gm/cc)	Compac	tion %
in.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specified %
1	RUDP-SG-FD-1, L/S	8-Feb-19	0+090	7.20	7.02	2.056	1.975	96.04	95
2	RUDP-SG-FD-1, R/S	8-Feb-19	0+125	7.20	7.93	2.056	1.987	96.65	. 95
3	RUDP-SG-FD-1, L/S	8-Feb-19	0+160	7.20	7.42	2.056	1.996	97.06	/95
4	RUDP-SG-FD-1, R/S	8-Feb-19	0+200	7.20	6.62	2.056	1.967	95.65	95
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	Cor	itractor				/	Consultant	10	
ZH		TION GROUP I		TONAL	WITH B.N. C	ONSULTA	NCY PVT. LTL	ETO EN JOINT O AND PLUS E HMANDU, NEI	NGINEERS
						w/	Biratnaga	//	
	Markam		0.		1/4	O'	(	4	
	Checked By Engineer Pushpak Pradhan		ubmitted B		Verified Qty Engine		•••	Approved By Team Leader	



	REGIO	Bi	ratnag ontract	ar Mei No:- RI	ELOP tropolitar JDP/ICB/I	n City BRT-02	T PROJ	ECT	
				-	77.7		Month	F	ebruary
			Loca	tion:-R	-33		Year Type of Material		2019 Sub-Base
				Moisture	e content %		ity(gm/cc)	Com	paction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr	The second second second	Compac	
1	RUDP-SB-FD-1, L/S					density		tion	%
2	RUDP-SB-FD-1, R/S		0+030 0+090	5.80	5.81 4.78	2.228	2.124	95,33	95 95
3	RUDP-SB-FD-1, K/S		0+090	5.80	5.95	2.228	2.162	96.71	95
4	RUDP-SB-FD-1, R/S	6-Feb-19	0+155	5.80	5.98	2.228	2.133	95.99	95
	KODI -3D-1 D-1, 103	0-1 00-19	01133	5.00	3,76	2.220	2.139	93.99	/ 93
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	Contrac	tor					onsultant \		
	ZHONGHENG CONSTR	RUCTION GRO	UP	BUILDIN	G DESIGN A	UTHORIT	Y (P) L FD IN J	DINT VEN	NTURE WITH
1	NTERNA DONAL ENGL	NEERING CO.	LTD	B.N	. CONSULTA	NCYRVI	LTD AND PEL	S ENGIN	EERS &
_	Mountain an	300		2	ARCHITE	2.70	rd, kathman	DU, NEPA	AL.
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P	Vadhan	W		116				0	
	ecked By	Submitted By		Verifie				Approve	
En	gineer C	ontract Manage	er	Expert Qty	Surveyor/CSE			Team Le	ader



		2	Summary Sheet of Mo	onthly Test Report	-	Mor	, els.		
						Ye			oruary 2019
			Location:-R-75			Type		Sub	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remar
1	RUDP-S-01	R-75,(0+100)	Existing Road	1-Feb-19	1.995	7.20	9.22	6.70	
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3					Auth	ority (p			
3		Contractor			Co	nsultant			
ZHO	ONGHENG COM	Contractor STRUCTION GROUP NGINEERING CO. LT	INTERNATIONAL	BUILDING DE VENTURE WITH PLUS ENGI	Co HGN AU I B.N. CO	nsultant THORIT DNSULT & ARCH	Y (P) I ANCY ITECT	PVT. LT	TD AND



1 RUDP-SG-FD-1, L/S 3-Feb-19 0+050 7.20 6.98 1.995 1.920 96.23 9 2 RUDP-SG-FD-1, R/S 3-Feb-19 0+090 7.20 6.96 1.995 1.912 95.85 9 3 RUDP-SG-FD-1, L/S 3-Feb-19 0+120 7.20 6.61 1.995 1.926 96.54 9 96.54 9 96.23 9 96.23 9 96.23 9 96.24 9 96.24 9 96.25 9 96.24 9 96.25 9 96.26 9 96.26 9 96.26 9 96.26 9 96.27 9 96.27 9 96.28 9 96.28 9 96.29 9 96.29 9 96.20 9 96.20 9 96.20 9 96.20 9 96.20 9 96.20 9 96.20 9 96.20 9 96.20 9 96.20 9 96.20 9 96.20 9 96.21 9 96.22 9 96.23 9 96.24 9 96.24 9 96.25 9 96.		REGIO	ONAL U	RBA	N DE	VELO	PMEN	T PRO.	IECT	
Lab.Ref.no			H	Biratna	gar Me	etropolita	n City		LCI	
Lab.Ref.no				Summar	y Sheet o	f Field Densi	ty Test			
Lab.Ref.no   Testing Date   Chanage   OMC%   Field MC%   Gensity										
Lab.Ref.no   Testing Date   Chanage   OMC%   Field MC%   density   density   gm/cc   gm/cc   gm/cc   multiple   multipl								Type of Material	Sub-Grade	
RUDP-SG-FD-1, L/S 3-Feb-19 0+050 7.20 6.98 1.995 1.926 96.23 7 96.54 8 1.995 1.926 96.54 9		1.4.0.0		-		e content %				
1 RUDP-SG-FD-1, L/S 3-Feb-19 0+050 7.20 6.98 1.995 1.920 96.23 5 9 1.920 96.23 5 9 1.920 96.23 7 9 1.920 96.23	in.	Lab.Ref,no	Testing Date	Chanage	OMC%	Field MC%	density	density,	The second secon	Specified %
3 RUDP-SG-FD-1, L/S 3-Feb-19 0+120 7.20 6.61 1.995 1.926 96.54 9						6.98				95
										95
	3 KUD	P-5G-FD-1, L/S	3-Feb-19	0+120	7.20	6.61	1.995	1.926	96.54	95
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uthority (b)										
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authority (P)	1									
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Consultant Consultant		Cor	itractor				1:5	Consultant	(2)	
CHONGHENG CONSTRUCTION GROUP INTERNATIONAL BUILDING DESIGN AUTHORITY POLITION JOINT VENT	HONGHI	NC CONSTRUCT	TION CHOUNTING	1		BUILDING D	ESIGNAT	THORITY	TOIN JOINT	VENTUDE
CHONGHENG CONSTRUCTION GROUP INTERNATIONAL BUILDING DESIGN AT THORITY POLITON JOINT VENT WITH B.N. CONSULTANCY PVT. LTD ASD PLUS ENGINE & ARCHITECES (P) LTD, KATHMANDU, NEPAL	atorigin	ENCINEE	RING CO. LTD	ERNAT	IONAL	WITH B.N. C & AR	ONSULTA CHITECES	NCY PVT, LTD (P) LTD, KAT	AND PLUS E	NGINEERS PAL
*Biratnaget*			***				IN.	* Biratnagat	//	
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6 Sadhan	60			1		the	1		9	
		ecked By	Sub	hitted By			By			1
Approved by	E	ngineer ak Pradhan	Contra	ct Manager a Kr. Thak		Expert Qty Surv H.K. Mar	eyor/CSE		Team Leader Giresh Chand	



			Summary	Sheet of	Field Densit	v Test	Month		
							Year		February 2019
			Loca	Moistur	e content %	- D	Type of Material		Sub-Base
Sn.	Lab.Ref.no	Testing Date	Chainage				ty(gm/cc) Field Dry	Compac	npaction %
1	BUDD OD DD 1 1 10			OIVIC 76	Field MC%	density	density,	tion	Specified %
2	RUDP-SB-FD-1, L/S RUDP-SB-FD-1, C/L	6-Feb-19	0+040	5.95	4.79	2.220	2.149	96.80	95
3	RUDP-SB-FD-1, R/S	6-Feb-19	0+110	5.95	5.21	2.220	2.172	97.85	
4	RUDP-SB-FD-1, R/S	6-Feb-19 6-Feb-19	0+180	5.95	5.16	2.220	2.147	96.69	95
K	55 15 1,103	0-160-19	0+215	5.95	5.98	2.220	2.143	96.46	95
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	Contracto								
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I	TERNATIONAL ENGIN	EERING CO. 1	TD	B.N.	COMBULIA	ACCEPTANCE OF	(P) DIB IN HO	ENGINE	EDC &
_	The same of the sa	20.1			ARCHITEC	TSELTD	, KATHMAND	U, NEPAI	L
	The state of the s	-				100	Biratnagar	-	
		1		-	WY		Birathon	/	
8	adhan	1/1		2000	0		Q	6	
******		W		1				0	Sec.
		ubmitted By tract Manager		Verified	By urveyor/CSE		A	pproved	Ву
shpa	ak Pradhan Rab	indra Kr. Thakur		H.K. Man				Team Lead iresh Cha	
								moon on	uriu

Lab.Ref no.	Location/Chainage T3L39A,(0+060)	Location:-T3L39A  Source of Sample			Mor			ruary
and the same of th	Location/Chainage				Ye	ar	2	019
and the same of th	Location/Chainage			-	Type Mate	e of	Sub	grade
and the same of th		Source of Sample				1		
RUDP-S-01	T3L39A,(0+060)		Date of Testing	MDD	OMC	PI%	CBR%	Remark
		Existing Road	6-Feb-19	1.975	7.50	10.47	7.10	
	10000 * 80.00		FLUS ENG	KATHM	ANDU,	EPAL	(F) L	ID,
adhan		a	should )			8		
eked By		Submitted By	Verified By					
				r/CSE				
	adhan	engineering co. i	GHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD	GHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  Submitted By Contract Manager  Expert Qty surveyo	Contractor  GHENG CONSTRUCTION GROUPINTERNATIONAL ENGINEERING CO. LTD  Contract By Submitted By Contract Manager  Contract Manager  Contract Manager  Contract Manager  Contract Manager  Contract Manager  Contract Manager	BUILDING DESIGN AUTHORI VENTURE WITH B.N. CONSUL PLUS ENGINEERS & ARCH KATEMANDU  Consul  Submitted By Gineer  Contract Manager  Contract Manager	Consultant Submitted By Contract Manager  Consultant Submitted By Contract Manager  Consultant Submitted By Contract Manager  Consultant Submitted By Expert Qty surveyor/CSE  Consultant Submitted By Expert Qty surveyor/CSE  Consultant Submitted By Contract Manager	Contractor  Consultant  GHENG CONSULTION GROUP INTERNATIONAL  ENGINEERING CO. LTD  Submitted By Gineer  Consultant  Submitted By Contract Manager  Figure Submitted By Contract Manager  Consultant  Consultant  Submitted By Contract Manager  Consultant  Consultant  Submitted By Contract Manager  Consultant  Consult

					tropolita UDP/ICB/F Field Density				
					THE STEELSTE		Month	Febr	uary
			Loca	tion:-T3L	30 A		Year	20	
			Loca		content %	Densit	Type of Material ty(gm/cc)	Sub-G Compac	
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry	Field Dry density,	Compaction	Specified
1	RUDP-SG-FD-1, L/S	8-Feb-19	0+010	7.50	6.98	1.975	gm/cc 1.920	97.21	95
2	RUDP-SG-FD-1, R/S	8-Feb-19	0+040	7.50	6.96	1.975	1.912	96.82	- 95
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	Co	AGROUP INTERNATION					Consultant	n E	
ZE	IONGHENG CONSTRUC	TION GROUP CRING CO. LTI	TERNAT	TIONAL	BUILDING E WITH B.N. C & AR	DESIGN AU CONSULTAN CHITECTS	PORTTY (P) I PORTTY (P) I PORTD KAT	LTD IN JOINT AND PLUS EN HYLANDU, NE	VENTURE NGINEERS PAL
	(Nashan	京		2	May	Carl	Q.		
	Checked By		Substi	tted By	Vauleta	D.	\	J	
	Engineer		Contract	Manager	Verified Expert qty surv			Approved By Team Leader	
F	ushpak pradhan			Kr. Thakur	H.K. Mar		(	Giresh Chand	



					ropolitar DP/ICB/B				
			Summary	Sheet of	Field Density	Test	Month		buáry
							Year		2019
			Loca	ation:-R		1	ype of Material		b-Base
	2 1 2 2	Constant Lill		Moistur	e content %	Densit	y(gm/cc)		action %
Sn.	Lab.Ref.no	Testing Date	Chainage	омс%	Field MC%	Max.Dry	The state of the s	Compac	
	DUDD OD ED 1 1/C					density	density,	tion	%
2	RUDP-SB-FD-1, L/S RUDP-SB-FD-1, R/S	5-Feb-19 5-Feb-19	0+050	5.00	5.03	2.232	2.162	96.87	95
3	RUDP-SB-FD-1, L/S	5-Feb-19	0+110	5.00	5.18	2.232	2.173	97.36	95
4	RUDP-SB-FD-1, R/S	5-Feb-19	0+210		6.96	2.232	2.210	99.01	95
	KUDF-3B-FD-1, K/S	3-1-60-19	0+210	5.00	0.90	2.232	2.139	95.82	95
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	Contrac	tor					sultant 2		
	ZHONGHENG CONSTR	RUCTION GRO	UP	BUILDIN	G DESIGN A	UTHORITY	(P) LTD IN JO	DINT VEN	TURE WITH
1	INTERNATIONAL ENGI	NEERING CO.	LTD	B.N.	CONSULTA	NCV PYT. I	TD AND PLU	SENGINE	ERS &
	1 Open	-1032			ARCHITE	(15 (P) E B	alnagamani	JU, NEPAI	
	mong & a				NV			/	
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6	Vadhan	1		3	1			V	
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	ecked By	Submitted By		Verifie				Approved	
		ontract Manage abindra Kr. Thak		Expert Qty H.K.Ma	Surveyor/CSE			Team Lea Giresh Ch	



			Summary	Sheet of	Field Density	Test			
							Month		bruary 2019
			Locati	on:-T31	L39A		Type of Material		ab-Base
					e content %	Dens	ity(gm/cc)		paction %
Sn.	Lab.Ref.no	Testing Date	Chainage	ОМС%	Field MC%	Max.Dr density		Compac tion	Specified %
1	RUDP-SB-FD-1, L/S		0+030	5.75	4.71	2.220	2.132	96.02	95
2	RUDP-SB-FD-1, R/S	14-Feb-19	0+050	5.75	5.65	2.220	2.174	97.92	95
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						/	William In		
						88	10		
-	Contrac	tor				101	onsultant		
	ZHONGHENG CONSTI	RUCTION GRO INEERING CO.	DUP LTD	BUILDII B.	N. CONSULTA	AUTHORI	TY (P) LTD IN J LTD AND PL TO KATHMAN	US ENGIN	EERS &
60	Vadhin	Q.		M.O.	BY		4	W	
Ch	ecked By gineer C	Submitted By Contract Manag abindra Kr. Thak		Verifice Expert Qty H.K. M	Surveyor/CSE			Approve Team Le Giresh C	ader



			Summary	Sheet of	Field Density	Test			
						+	Month		bruary
			Locat	ion:-T3	1.21	+	Year Type of Material		2019 nb-Base
			Local		content %		ty(gm/cc)		action %
šn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry	Field Dry	Compac	Specified
	W.1000000000000000000000000000000000000					density	density,	tion	%
1	RUDP-SB-FD-1, L/S	12-Feb-19	0+090	6.20	5.50	2.225	2.142	96.29	95
2	RUDP-SB-FD-1, C/L	12-Feb-19	0+160	6.20	5.01	2.225	2.184	98.16	95
3	RUDP-SB-FD-1, R/S	12-Feb-19	0+210	6.20	4.65	2.225	2.147	96.50	95
4	RUDP-SB-FD-1, L/S	12-Feb-19	0+290	6.20	5.29	2.225	2.165	97.32	95
5	RUDP-SB-FD-1, R/S	12-Feb-19	0+360	6.20	5.29	2.225	2.156	96.89	95
6	RUDP-SB-FD-1, R/S	12-Feb-19	0+480	6.20	5.98	2.225	2.165	97.30	95
7	RUDP-SB-FD-1, L/S	12-Feb-19	0+525	6.20	5,40	2.225	2.120	95.57	95
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						100	- Livil		
-	Contrac	TO TO THE PARTY OF		DITT IN	C DECICE	STHORE	onsultant Y(P) LTD IN J	OINTERES	TUDENTE
8	ZHONGWENG CONSTI			B.N	. CONSULT	INCYPYT	TTD AND PLUTD, KATHMAN	US ENGIN	EERS &
-	Washing # 1	III W.S.				190	14/	Day Holl	,
				1	N	* Bir	athan	/	
6	Yadhan	1		DAY.	9 /		(	V	
		- K		The	<b></b>			P	
Ch	ecked By	Submitted By		Verifie				Approve	
		Contract Manag			Surveyor/CSE			Team Le	
ush	pak Pradhan R	abindra Kr. Thak	ur	H.K. M	andal			Giresh Cl	nand



			Summary Sheet of Mo	ntmy Test Report		Mon Ye:	ır	20	ruary 019
		1 (0)	Location:-T	3L39B		Mate		Sub	grade
n.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-SG-01	T3L39B,(0+050)	Existing Road	6-Feb-19	2.090	6.90	10.60	7.80	/
1							-		
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6	Yadhan Checked By Engineer	PASTRUCTION GROUP ENGINEERING CO. T.	Submitted By Contract Manager	BUILDING DI VENTURE WIT PLUS ENC Verified By Expert Qty Surveyo H.K. Mandal	KATIL	UTHOB CONSUL CONSUL AANDU AANDU ATHAN	Appro Team	TS (P) LT	JOINT TD AND TD,

			Summai	ry Sheet of	Field Density	y Test			
							Month Year	February 20	
			Loca	tion:-T3			Type of Material	Sub-G	rade
				Moisture	content %		ity(gm/cc)	Compac	tion %
in.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dr density gm/cc		Compaction %	Specified %
1	RUDP-SG-FD-1, L/S	8-Feb-19	0+020	6.90	6.31	2.090	2.013	96.34	95
2	RUDP-SG-FD-1, R/S	8-Feb-19	0+055	6.90	6.63	2.090	2.039	97.56	95
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						/	S.H.		
	Tollog	ontractor				Desi	Consultant	15	
ZI	HONGHENG CONSTRUC	" JE	INTERNA D	TIONAL	BUILDING WITH B.N. 6 & AF	DESIGN	Consultant UTHORITY (P) NCY PVT. LP (P) LTD, KAT	LTD IN JOIN	VENTURE ENGINEERS EPAL
	Checked By Engineer Pushpak Pradhan		Contrac	itted By t Manager Kr. Thakur	Verified Expert/Qty	1 By Surveyor	(	Approved By Team Leader Giresh Chand	

				Direct 01	Field Density	1131	Month	F	ebruary
			21.7		444		Year		2019
			Locat	ion:-T3	L23		Type of Material		sub-Base
	Lab.Ref.no	T D	C1 .	Moisture	e content %	Dens	sity(gm/cc)		paction %
n.	Lab.Kel.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr	Contract Con	Compac	
ı	RUDP-SB-FD-1, R/S	11-Feb-19	0+040	6.20	5.95	density 2.228		98.21 L	95
2	RUDP-SB-FD-1, R/S	11-Feb-19	0+100	6.20	6.30	2.228		96.46	95
3	RUDP-SB-FD-1, C/L	11-Feb-19	0+180	6.20	5.09	2.228		96.11	95
1	RUDP-SB-FD-1, L/S		0+290	6.20	5.08	2.228		95.56	95
5	RUDP-SB-FD-1, R/S	11-Feb-19	0+310	6.20	5.08	2.228		98.41	95
						whor	ity (P)		,
	Contrac	tor				(5) C	onsultant		
	ZHONGHENG CONSTI	NEERING CO.	UP LTD	BUILDIN B.N	. CONSULTA	NCY PV	TY (P) L'MEIN J FILDBAND PL TD, KATHMAN	US ENGIN	EERS &
En		Subshitted By Contract Manage abindra Kr. Thak		Verifie Expert Qty H.K.Ma	Surveyor/CSE	# Bi	ratnaga: **	Approve Team Le Giresh C	ader



		<u>.</u>	ummary Sheet of M	ontiny rest repo		Mor	ith:		ruary
						Ye			019
_			Location:-R-34			Mate		Sub	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remarks
1	RUDP-S-01	R-34,(0+100)	Existing Road	5-Feb-19	1.950	8.40	11.18	6.45	/
	-							/	
			14						
					horit				
		Contractor * Dious				onsultan		one rat	rossim.
HON		VRUCTION GROUP		BUILDING DE VENTURE WIT	H BIN C	ONSUL	ANCY	PVT. L	TD AND
	EN	CINEERING CO. LT	(D)	PLUS ENG	INEERS KATHM	& ARCI	HTECT	TS (P) L	TD,
		antistation of		• •	1	nager	JETAL	-	/
			4	AX			/	1/	
6	Valhan		4	the.				B	
	Checked By		Sulmitted By	Verified By				pprove	
Push	Engineer npak Pradhan		Contract Manager Rabindra Thakur	Expert Qty Survey H.K. Mandal	yor/CSE			Team Le iresh C	



	REGIO	DNAL U	RBA	N DE	VELOF	MEN	T PROJ	ECT	
		I	Biratna	gar M	etropolita UDP/ICB/I	n City			
		(			UDP/ICB/I				
			Summar	y blicet	or Field Delisit	Lyrest	Month -	Febra	
			Loc	ation:-R	-34	-	Year Type of Material	201 Sub-G	
			Loc	Moistur	e content %	Densi	ty(gm/cc)	Compac	
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc		Compaction %	Specified %
1	RUDP-SG-FD-1, L/S		0+050	8.40	8.70	1.950	1.891	96.96	95
2	RUDP-SG-FD-1, R/S		0+110	8.40	8.88	1.950	1.879	96.33	95
3	RUDP-SG-FD-1, L/S	6-Feb-19	0+150	8.40	8.99	1.950	1.906	97.72	95
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-									
					14. 1				
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_						/	Authority (P)	20	
						/3	\$/	150	
_	CO UII.	ntractor				100	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-01	
ZH	ONGHENG CONSTRUCT	TION GROUP I		TIONAL	WITH B.N. C	CONSULTA	THORITY (P) I CY PVT. LTI S (P) LTD, KAT	AND PLUS E	NGINEERS
	Mountain	0//				1	Birntnung	/	
	-					NY		1	
	N.11.			1	de	Oz		X	
	poaman		k	1	- An		-2	O	
	Checked By		Subhit		Verific			Approved By	
	Engineer Pushpak Pradhan		Contract Rabindra	Manager	Expert Qty St H.K. M	urveyor/CSE		Team Leader Giresh Chand	



			Summary Sheet of Mo	onthly Test Report		Mor			ruary
						Type Mate	e of		019 grade
Sn.	Lab.Ref no.	Location of Sample	Source of Sample	Date of Testing	MDD	омс	PI%	CBR%	Remark
1	RUDP-SG-01	R-21,0+120	Existing Road	5-Feb-19	2.050	7.00	10.55	7.30	
-									
									×
							rity (P)	_	
	( distribution of the control of the	Contractor		BUILDING DE		nsultan THORI		LTDIN	JOINT
ZHO	(ENG	RUCTION GROUNE INEERING CO	JP INTERNATIONAL TD	VENTURE WIT	H B.N. C	ONSUL4	HITECT	PVT. L' (P) LT	TD AND
6	Vadhan		1	# Songh		Olra	tnagar		
0	Checked By Engineer		Submitted By Contact Manager	Verified By Expert Qty Survey			A	pproved	d By ider
Pus	hpak Pradhan		Rabindra Kr. Thakur	H.K. Mandal			G	iresh Ch	and



	REGIO		Biratnag Contract	gar Met No:- RU	ELOP tropolitan DP/ICB/I Field Density	City BRT-02	T PROJ	ECT	
			<u>January</u>	SHEET OF	ricid Delisit	Test [	Month	Febr	uary
							Year	201	19
		L	ocation:-		e content %1	Danie	Type of Material	Sub-G	
				ivioistur	e content %	Max.Dr	sity(gm/cc)  Field Dry	Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	density	density,	Compaction %	Specifie %
1	RUDP-SG-FD-1, R/S	7-Feb-19	0+030	7.00	7.71	2.050		95.40	/ 95
2	RUDP-SG-FD-1, R/S	7-Feb-19	0+040	7.00	6.56	2.050	1.998	97.47 /	95
3	RUDP-SG-FD-1, L/S	7-Feb-19	0+150	7.00	6.55	2.050	1.968	96.00	95
_									
						/	Authority (o		
	Contra	otor				(3)	Consultant	<u> </u>	
	ZHONGHENG CONST INTERNATIONAL ENG	RUCTION GR	OUP D. LTD	BUILDI B.	NG DESIGN . N. CONSULT ARCHIT	AUTHOR	T. LTD AND PL LTD, KATHMA	OINT VENTU US ENGINEEI OU, NEPAL	RE WITH
	Checked By Engineer Pushpak Pradhan	Submitt Contract M Rabindra k	Annager	Verifie Expert Qty H.K. Ma	d By Surveyor/CSE	100	Biratnaget *	Approved B Team Leader Giresh Chan	r



		1	Biratna	agar M	etropolit			olo i	
					UDP/ICB				
			Summa	ry Sheet	of Field Dens	ity Test	Month-	Feb	ruary
					D.O.		Year	20	)19
_			L	ocation	:-R-84 e content %	Density	pe of Material		ase action %
Sn.	Lab.Ref.no	Testing Date	Chainage		Field MC%	Max.Dry density	Field Dry density,	Compaction %	
1	RUDP-B-FD-1, R/S	5-Feb-19	0+050	5.60	5.50	2.240	2.232	99.64	98
2	RUDP-B-FD-1, L/S	5-Feb-19	0+090	5.60	5.53	2.240	2.225	99.35	98
3	RUDP-B-FD-1, R/S	5-Feb-19	0+120	5.60	5.72	2.240	2.196	98.04	98
4	RUDP-B-FD-1, L/S	5-Feb-19	0+190	5.60	5.34	2.240	2.233	99.70	98
5	RUDP-B-FD-1, L/S	5-Feb-19	0+230	5.60	5.08	2.240	2.226	99.39	98
				-					
				-	1				
				-					
						(0)	Authority		
						100/	1	18	
	ZHONCHENG CONST	RUCTION GRO	UP	BUILDIN	G DESIGN A	UTHORITY	nsultant (P) LTD IN JO	OINT VENTUR	E WITH B.N
	INTERNATIONAL ENGI	NEERING CO.	LTD	CONSU	LIANCYPY	LTD, KATH	MANDU NE	EERS & ARCI PAL	HIECIS (P)
	Checked By	Submitte			fied By		9	Approved B	
	Engineer Pushpak Pradhan	Contract Ma Rabindra Kr.			Surveyor/CSE Mandal			Team Leader Giresh Chan	

	REGIO						NT PRO	JECT	
			Biratna	gar M	etropolit RUDP/ICE	an City			
					of Field Den		4		
			Dummi	17 Oncer	or Freid Dell	T T	Month*	Febr	uary
			Location	. D 62			Year	20	19
				Moistur	e content %	Dens	Type of Material ity(gm/cc)		ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	ОМС%	Field MC%	Max.Dry density		Compaction %	Specified %
1	RUDP-B-FD-1, L/S	19-Feb-19	0+250	5,40	4.52	2.239	2.228	99.51	98
2	RUDP-B-FD-1, L/S	19-Feb-19	0+290	5.40	4.65	2.239	2.214	98.89	98
3	RUDP-B-FD-1, C/L	19-Feb-19	0+320	5.40	5.72	2.239	2.223	99.30	98
5	RUDP-B-FD-1, L/S RUDP-B-FD-1, L/S	19-Feb-19	0+370	5,40	5.34	2.239	2.222	99.22	98
3	KUDF-B-FD-1, L/S	19-Feb-19	0+410	5.40	5.08	2.239	2.214	98.87	98
1									
						/	Authority (P)		
	ZHONGHENG CONSTI		UP	BUILDIN	NG DESIGN A	UTHORIT	Consultant V-(P) LTD IN J	DENT VENTUR	E WITH B.N.
1	INTERNATIONAL ENGI	NEERING CO.	LTD	CONSU	LTANCY PV	T. LTD AN	D PLUS ENGIN THMANDU, NE	PAL ARCH	HTECTS (P)
	Olgolian Checked By Engineer Pushpak Pradhan	Submitte Contract M Rabindra Kr.	anager	Expert Qty	fied By Surveyor/CSE Mandal	1,4	Oratnager * 1	Approved By Team Leader Giresh Chan	
	Oladhan Checked By Engineer	Submitte Contract M	d By	Veri Expert Qty	fied By Surveyor/CSE	гож	THMANDU, NE	Approved B Team Leader	



	REGIO	1	Biratna Contrac	igar M t No:- F	etropolit RUDP/ICB of Field Dens	an City /BRT-0	NT PRO	JECT	
			Summa	Ty Sheet	or Freid Dens	Test	Month-	Feb	ruary
		Y	ocation	D 192			Year		019
		1	ocation		e content %		Type of Material		ase onction %
Sn.	Lab.Ref.no	Testing Date	Chainage		Field MC%	Max.Dr	y Field Dry	Compaction %	3041
1	RUDP-B-FD-1, R/S	12-Feb-19	0+050	5.25	5.09	2.266	2.244	99.04	98
2	RUDP-B-FD-1, L/S	12-Feb-19	0+110	5.25	4.99	2.266	2.265	99.94	98
3	RUDP-B-FD-1, R/S	12-Feb-19	0+140	5.25	5.11	2.266	2.239	98.79	98
4	RUDP-B-FD-1, L/S	12-Feb-19	0+160	5.25	5.17	2.266	2.264	99.91	98
5	RUDP-B-FD-1, L/S	12-Feb-19	0+200	5.25	5.71	2.266	2.227	98.26 /	98
	RODI-B-I B-I, Ers	12-1 00-19	0.1200	3.23	5.71	2.200	L.LL1	38.20	90
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							Authority		7
						/	Silli	(3)	
	Contra	ctor				1	Consultant	15	
	ZHONGHENG CONST INTERNATIONAL ENG			CONST	NG DESIGN A	T. LTD AN	TV (P) LTD IN J ND PLUS ENGIN THMANDU, NI	NEERS & ARC	RE WITH B. HITECTS (P
	Company anovo W	0	/	7	AN T		Barriett C	9	
	Checked By Engineer	Submitte Contract M			ified By Surveyor/CSE			Approved E	Ву
	Pushpak Pradhan	Rabindra Kr	. Thakur	H.K.	Mandal			Giresh Char	



			Contrac	t No:- I	etropolit RUDP/ICB	/BRT-0	2		
			Summa	ry Sheet	of Field Dens	ity Test			
			-				Month* Year		uary 19
-			Loca	tion:-R	-85 e content % [		Type of Material ity(gm/cc)		ction %
Sn.	Lab.Ref.no	Testing Date	Chainage		Field MC%	Max.Dry density	Field Dry	Compaction %	
1	RUDP-B-FD-1, R/S	12-Feb-19	0+040	5.40	5.09	2.248	2.239	99.59	98
2	RUDP-B-FD-1, L/S	12-Feb-19	0+090	5.40	5.07	2.248	2.208	98.23	/ 98
3	RUDP-B-FD-1, R/S	12-Feb-19	0+150	5.40	5.11	2.248	2.239	99.58 /	98
1									
					/	/	Authority		
		4.				100			
1	Contrac ZHONGHPAG CONSTI NTERNATIONAL ENGI	RUCTION GRO	UP LTD	BUILDIN	NG DESIGN A	UTHORIT	Consultant Y (P) LAD IN JO D PLUS ENGIN HMANDU NE	EERS & ARCH	E WITH B.N. ITECTS (P)
	Machan	D		The	BI		"atnagar * M	R	
	Checked By Engineer Pushpak Pradhan	Sulfrifte Contract Ma Rabindra Kr.	anager	Expert Qty	fied By Surveyor/CSE Mandal			Approved By Team Leader Giresh Chang	



					RUDP/ICB of Field Dens				
			7.7	7.77			Month-	Febr	
			Loc	ation:-	R-12	7	Year Type of Material		19 ise
				Moistur	e content %		y(gm/cc)		ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density	Field Dry density,	Compaction %	Specified %
1	RUDP-B-FD-1, R/S	15-Feb-19	0+450	5.45	5.38	2.247	2.232	99.35	98
2	RUDP-B-FD-1, L/S	15-Feb-19	0+510	5.45	6.09	2.247	2.205	98.13	98
3	RUDP-B-FD-1, R/S	15-Feb-19	0+590	5,45	6.06	2.247	2.225	99.02	98
4	RUDP-B-FD-1, L/S	15-Feb-19	0+620	5.45	5.17	2.247	2.239	99.66	98
5	RUDP-B-FD-1, L/S	15-Feb-19	0+680	5.45	5.71	2.247	2.230	99.22	. 98
6	RUDP-B-FD-1, R/S	15-Feb-19	0+710	5.45	5.19	2.247	2.212	98.46	98
7	RUDP-B-FD-1, L/S	15-Feb-19	0+760	5.45	5.03	2.247	2.234	99.44	98
8	RUDP-B-FD-1, L/S RUDP-B-FD-1, R/S	15-Feb-19 15-Feb-19	0+800	5.45	5.33	2.247	2.235	99.45	98
							Wity IPT Lid		
_	Contrac	# Zhitu				130	onsultand	Plus	
1	ZHONGHENG CONSTI	RUCTION GRO	UP LTD	BUILDIN	NG DESIGN A	UTHORITY I. LTD AND	CPH TD IN JO	MNT VENTUR EERS & ARCH	E WITH B.N. HTECTS (P)
	Checked By Engineer Pushpak Pradhan	Sulmitte Contract Ma Rabindra Kr.	anager	Expert Qty	fied By Surveyor/CSE Mandal		pitam	Approved By Team Leader Giresh Chan	



		ONAL I	Biratna	agar M	etropolit	an City	1110	olci	
					of Field Dens				
							Month"	Febr	
			Lo	cation:	-R-87	T	Year pe of Material	20 Ba	
	2023				e content %	Density	(gm/cc)	Compa	ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry	Field Dry	Compaction	Specified
1	RUDP-B-FD-1, L/S	13-Feb-19	0+050	5.80	5.38	density 2,243	density, 2.232	99.49	/ 98
2	RUDP-B-FD-1, L/S	13-Feb-19	0+110	5.80	6.09	2.243	2.225	99.18	/ 98
3	RUDP-B-FD-1, R/S	13-Feb-19	0+125	5.80	6.06	2.243	2.199	98.04	98
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						-	- dita		
		7		-		an Auth	ority (P)		
	Contrac	toravano				Co	nsultant		
1	ZHONGHENG CONSTI			BUILDIN	G DESIGN A	UTHORITY F. LED AND	(P) DEB IN JO	DINT VENTUR EERS & ARCH	E WITH B.N ITECTS (P)
	болона	* OHOU		(	AV	100	100	0/	
	(Dallean			10	1	olla	Inager *	4K	
	Checked By	Subhitte	l Re	Vosi	ied By			Approved By	
	Engineer	Contract Ma	anager	Expert Qty	Surveyor/CSE			Approved By Team Leader	
	Pushpak Pradhan	Rabindra Kr.	Thakur	H.K.	Mandal			Giresh Chand	



				ary Sheet of Co	ncrete Cub		t			
					-		Month		Febu 20	
						T	Year ype of Material		Conc.	
N Location	Lab Ref.no.	Type of	Brand of	Source of	Date of	Date of			oth, N/mm2	Concrete
1 Madhumara yand	RUDP-1428	Cement Saptakoshi	Cement	Sand+Agg. Chisang Khola	Casting 4-Jan-19	7 Days 12-Dec-17	28 Days 3-Jan-18	7 Days	28 Days 32.59	Grade M30
2 10-6	RUDP-1429	Saptakoshi	OPC	Chisang Khola	4-Jan-19	18-Dec-17	1-Fcb-19		16.34	M15
3 8-10	RUDP-1430	Saptakoshi	OPC	Chisang Khola	4-Jan-19	21-Dec-17	1-Feb-19		22.65	/ M20
4 R-6	RUDP-1431	Sapiakoshi	OPC	Chisang Khola	5-Jan-19	21-Dec-17	2-Feb-19		21.98	M20
5 DDC Yard R-5 (South Of dsp	RUDP-1432	Suptakoshi	OPC	Chisang Khola	5-Jan-19	23-Dec-17	2-Feb-19		23 26 /	M20
o roadit	RUDP-1433	Saptakoshi	OPC	Chisang Khola	5-Jan-19	24-Dec-17	2-Feb-19		22.35	M20
7 R-29 R R-34	RUDP-1434 RUDP-1435	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola	5-Jan-19 5-Jan-19	24-Dec-17	2-Feb-19 2-Feb-19		22.28	M20
y Talk	RUDP-1435	Saptakoshi	OPC	Chisang Khola Chisang Khola	5-Jan-19 5-Jan-19	25-Dec-17 26-Dec-17	2-P00-19 16-Jan-19	-	23.18	M20 M20
10 T3L9	RUDP-1437	Saptakoshi	OPC	Chisang Khola	5-Jan-19	28-Dec-17	18-Jan-18		24.38	M20
D 73L(3)	RUDP-1438	Saptakoshi	OPC	Chisang Khela	3-Jan-19	12-Jan-19	2+Feb+19		22.73	M20
2 12L19P	RUDP-1439	Saptakoshi Saptakoshi	OPC	Chisang Khela	5-Jan-19	12-Jan-19	2-Feb-19		24 16	M20
13 R-10	RUDP-1440 RUDP-1441	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	5-Jan-19 6-Jan-19	12-Jan-19 13-Jan-19	2-Feb-19 3-Feb-19		22.28	M20 M20
15 T3L8	RL/DP-1442	Sapiakoshi	OPC	Chisang Khola	6-Jan-19	13-Jan-19	3-Feb-19		23.33	M20 M20
to T31.8	RUDP-1443	Saptakoshi	OPC	Chisang Khola	6-Jan-19	13-Jan-19	3-Feb-19		23.71	M20
17 Madhumara yard	RUDP-1444	Shahmar	OPC	Chisang Khola	6-Jan-19	13-Jan-19	3-Feb-19		26.81	M25
17 T2L19P 18 DDC Yard	RUDP-1445 RUDP-1446	Shalimar Shalimar	OPC	Chisang Khola Chisang Khola	7-Jan-18 7-Jan-18	14-Jan-18	4-Feb-18 4-Feb-18		21.67	M20 M20
19 R-23	RUDP-1446	Shalimar	OPC	Chisang Khola	7-Jan-18 7-Jan-18	14-Jan-18 14-Jan-18	4-Feb-18		22.80	M20 M20
20 R-23	RUDP-1448	Shalimar	OPC	Chisang Khola	7-Jan-18	14-Jan-18	4-Feb-18		23.33	M20
21 R-12	RUDP-1449	Shalimar	OPC	Chisang Khola	7-Jan-18	14-Jan-18	4-Feb-18		24.16	M20
22 Madhumara yard	RUDP-1450	Shahmar	OPC	Chisang Khola	7-Jan-18	14-Jan-18	4-Feb-18		22.95	M20
23 R-23 24 R-10	RUDP-1451 RUDP-1452	Shalimar Shalimar	OPC OPC	Chisang Khola	7-Jan-18 7-Jan-18	14-Jan-18	4-Feb-18		22.65	M20
24 R-10 25 TH.8	RUDP-1453	Shahmar	OPC	Chisang Khola Chisang Khola	7-Jan-18 7-Jan-18	14-Jan-18 14-Jan-18	4-Feb-18 4-Feb-18		22.80	M20 M20
26 T2L18Y	RUDP-1454	Shalimar	OPC	Chesang Khola	7-Jan-18	14-Jan-18	4-Feb-18		22.65	M20
27 721,25	RUDP-1455	Shalimar	OPC	Chisang Khola	7-Jan-18	14-Jan-18	4-Feb-18		22.28	M20
28 TULTH	RUDP-1456	Shahmar	OPC	Chisang Khola	7-Jan-18	14-Jan-18	4-Feb-18		22.80	M20
29 R-23 30 R-84	RUDP-1457	Shalimar Shalimar	OPC OPC	Chisang Khola	7-Jan-18 7-Jan-18	14-Jan-18	4-Feb-18		22.65	M20
30 R-84	RUDP-1458 RUDP-1459	Shahmar	OPC	Chisang Khola Chisang Khola	7-Jan-18 K-Jan-18	14-Jan-18 15-Jan-18	4-Feb-18 5-Feb-18		22.73	M20 M20
32 R-84	RUDP-1460	Shalimar	OPC	Chisang Khola	9-Jan-18	16-Jan-18	6-Feb-18		22.58	M20
33. R-34	RUDP-1461	Shalimar	OPC	Chisang Khola	9-Jan-18	16-Ján-18	6-Feb-18		22.80	M20
34 TIL5A	RUDP-1462	Shalimar	OPC	Chisang Khola	9-Jan-18	16-Jan-18	6-Feb-18		23.18	M20
35 R-10	RUDP-1463 RUDP-1464	Shalimar Shalimar	OPC OPC	Chisang Khola	9-Jan-18	16-Jan-18	6-Feb-18		23.48	M20
36 R-10 37 DDC Yard	RUDP-1464 RUDP-1465	Shalimar	OPC	Chisang Khola Chisang Khola	9-Jan-18 9-Jan-18	16-Jan-18 16-Jan-18	6-Feb-18 6-Feb-18		21.52	M20 M20
38 R-6	RUDP-1466	Shalimar	OPC	Chisang Khola	9-Jan-18	16-Jan-18	6-Feb-18		22.80	M15
39 Tils	RUDP-1467	Shalimar	OPC	Chisung Khola	9-Jan-18	16-Jan-18	6-Feb-18		21.90	M20
40 T21.22A	RUDP-1468	Shalimar	OPC	Chisang Khola	10-Jan-18	17-Jan-18	7-Feb-18		23.63	M20
41 R-12	RUDP-1469	Shalmar	OPC	Chisang Khola	10-Jan-18	17-Jan-18	7-Feb-15		22.43	M20
42 Madhumara yard 43 Madhumara yard	RUDP-1470 RUDP-1471	Shalimar Shalimar	OPC	Chisang Khola Chisang Khola	10-Jan-18 10-Jan-18	17-Jan-18	7-Feb-18 7-Feb-18	-	26.64	M25
44 T3L13E	RUDP-1471	Shalimar	OPC	Chisang Khola Chisang Khola	10-Jan-18 10-Jan-18	17-Jan-18 17-Jan-18	7-Feb-18 7-Feb-18		32.59 /	M30 M20
45 TILIJE	RUDP-1473	Shahmar	OPC	Chrsang Khola	10-Jan-18		horregue		23.78	/ M20
//	10 # DE	VICTOR OF THE PROPERTY OF THE				(5)	1		V	0
ZHONGHENG C				BUILDING I	ANCY PVT	THORTY LTD ND LTD, KATH	PLUS ENGIN IMANDU, NI	VEERS !	ENTURE W & ARCHITE	TTH B.N. CCTS (P)
hecked By			itted By t Manager	Verified By Expert Qty Sur H.K. Mandal	rveyor/CSE		Piratnana *		Approved B Team Leader Giresh Char	r



					ontract No:- RI						
						[		Month		Febu	
							Ty	Year ope of Material		Conc.	
S.N.	Location	Lab Ref no	Type of Cement	Brand of	Source of	Date of	Date of		Strength		Concrete
-				Cement	Sand+Agg	Casting	7 Days	28 Days	7aDays	28 Days	/Grade
46.	R-84 T2L19Q	RUDP-1474 RUDP-1475	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	10-Jan-18	12-Dec-17	3-Jan-18 7-Feb-18		22.80	M20
48	TILSA	RUDP-1476	Saptakushi	OPC	Chisang Khola	10-Jan-18 10-Jan-18	21-Dec-17	7-Feb-18		27.00	M20
49	R-10	BUDP-1477	Saptakodii	OPC	Chinang Khola	10-Jan-18	21-Dec-17	7-Feb-18		3.60	M20.
50	T3(.)	RUDP-1478	Saptakoshi	OPC	Chisang Khola	10-Jan-18	23-Dec-17	7-Feb-18		22.80	M20
51	TILSA	RUDP-1476	Ambe hi-Toch	OPC	Chusang Khola	10-Jan-18	24-Dec-17	7-Fch-18		21.98	M20
53	R-10 Madhumara yard	RUDP-1480 RUDP-1481	Ambe hi-Tech	OPC	Chisang Khola Chisang Khola	10-Jan-18 10-Jan-18	24-Dec-17 25-Dec-17	7-Feb-18 7-Feb-18		23.03	M20 M20
54	DDC Yard	RUDP-1482	Ambe hi-Tech	OPC	Chisang Khola	10-Jan-18	26-Dcc-17	16-Jan-18		23.10 /	M20
55	R-12	RUDP-1483	Ambe ht-Tech	OPC	Chisang Khola	10-Jan-18	28-Dec-17	18-Jan-18		25.35	M20
56	TULLIB	RUDP-1484	Ambe ha-Tech	OPC	Chisang Khola	10-Jan-18	17-Jan-18	7-Feb-18		23,56	M20
17	R-34	RUDP-1485	Ambe hs-Tech	OPC	Chisang Khola	10-Jan-18	17-Jan-18	7-Feb-18		23.10	M20
59	R-10 R-10	RUDP-1486 RUDP-1487	Ambe hi-Tech	OPC	Chisang Khola Chisang Khola	10-lan-18 10-lan-18	17-Jan-18	7-Fcb-18 7-Fcb-18		21,98	M20 M20
740	R-20	RUDP-1487	Ambe hi-Tech	OPC	Chisang Khola Chisang Khola	10-Jan-18 11-Jan-1X	17-Jan-18 18-Jan-18	7-Fcb-18 8-Fcb-18		23.63	M20
61	R-12	RUDP-1489	Ambe hi-Tech	OPC	Chisang Khola	11-Jan-18	18-Jan-18	8-Feb-18		22.80	M20
62	T2L32A	RUDP-1490	Ambe In-Tech	OPC	Chisang Khola	[1-Jan-18	18-Jan-18	1-Feb-18		22.80	M20
63	DDC Yanl	RUDP-1491	Ambe hi-Tech	OPC	Chisang Khola	11-Jan-18	18-Jan-18	8-Feb-18		21.52	M20
64	R-12 R-23	RUDP-1492 RUDP-1493	Ambe hi-Tech	OPC	Chisang Khola	11-Jan-18	18-Jan-18	8-Feb-18 8-Feb-18		22.63	M20
66	T310D	RUDP-1493	Ambe hi-Tech	OPC	Chisang Khola Chisang Khola	11-Jan-18	18-Jan-18 18-Jan-18	8-Feb-18		22.80	M20 M20
67	Madhumara yard	RUDP-1495	Ambe In-Toch	OPC	Chizang Khola	11-Jan-18	18-Jan-18	8-Fcb-18		27.43	M23
65	Madhumara yard	RUDP-1496	Ambe hi-Tech	OPC	Chisang Khola	11-Jan-18	18-Jan-15	R-Feb-18		22.63	M20
69	Cholacholi	RUDP-1497	Saptakoshi	OPC	Chisang Khola	12-Jan-18	19-Jan-18	9-Feb-18		23 63	M20
70	R-12	RUDP-1498	Saptakoshi	OPC	Chisang Khola	12-Jan-18	19-Jan-18	9-Feb-18		21.67	M20
71 72	R-84 DDC Yani	RUDP-1499 RUDP-1500	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	12-Jan-18 12-Jan-18	19-Jan-18 19-Jan-18	9-Feb-18 9-Feb-18		22.35	M20 M20
71.	R-20	RUDP-1501	Saptakoshi	OPC	Chisang Khola	12-Jan-18	19-Jan-18	9-Fcb-18		23.26 23.78.	M20
74	R-20	RUDP-1502	Saptakoshi	OPC	Chisang Khola	12-Jan-18	19-Jan-18	9-Feb-18		21.67	M20
75	Madhumara yard	RUDP-1503	5aptakoshi -	OPC	Chisang Khola	12-Jan-18	19-Jan-18	9-Feb-18		27.20	M25
76	TILIA	RUDP-1504	Saptakoshi	OPC	Chisang Khola	12-Jan-18	19-Jan-18	9-Feb-18		23.48	M20
77	TZLZZA TZLITE	RUDP-1505 RUDP-1506	Saptakoshi Saptakoshi	OPC	Chisang Khota	13-Jan-18	20-Jan-18	10-Feb-18		22.88	M20
70	R-21	RUDP-1507	Saptakoshi	OPC	Chuang Khola Chuang Khola	13-Jan-18   7-Jan-18	20-Jan-18 20-Jan-18	10-Feb-18 10-Feb-18		22.8	M20 M20
200	131.9	RUDP-1508	Saptakoshi	OPC	Cheang Khola	(3-Jan-18	20-Jan-18	10-Feb-18		22.35	M20
NI.	T2L19P	RUDP-1509	Saptakoshi.	OPC	Chisang Khola	13-Jin-18	26-Jan-18	10-Feb-18		21.67	At20
82	R-84	RUDP-1510	Saptakoshi	OPC	Chisang Khola	13-Jan-19	20-Jan-18	10-Feb-18		22.95	M20
83	Madhemara yard	RUDP-1511	Saptakoshi	OPC	Chisang Khola	13-Jan-18	20-Jan-18	10-Feb-18.		21.33	M30
X4 X3	THEFT	RUDP-1512 RUDP-1513	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	(3-Jan-18	20-Jan-18 20-Jan-18	10-Feb-18 10-Feb-18		23.48	M20
26	R-23	RUDP-1514	Saptakoshi	OPC	Chisang Khola	(3-Jan-18 (4-Jan-18	20-Jan-18 21-Jan-18	11-Feb-18		22.88	M20 M20
87	R-12	RUDP-1515	Saptakoshi	OPC	Chisang Khola	14-Jan-18	21-Jan-18	11-Feb-18	-	23.26	M20
XX	DDC Yard	RUDP-1516	Saptakoshi	OPC	Chisang Khola	14-Jan-18	21-Jan-18	11+Feb-18		21 22	M20
89	K-h	RUDP-1517	Saptakoshi	OPC	Chisang Khola	14-Jan-18	21-Jan-18	11-Feb-18		22.95	M20
90	R-34 R-6	RUDP-1518 RUDP-1519	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola	14-Jan-18 14-Jan-18	21-Jan-18	11-Feb-18		23.33	M20
91	K+0	KUDP-1319	Sapiakosta	OPC	Chisang Khola	14-Jan-18	21-341518111	DLIOH-4-3x		18.36	MIS
							157 C	onsultant			
			RUCTION G NEERING C		BUILDING I	ANCY PVT.	LED AND	(P) ETDIN P PLUS ENGIN IMANDU, NE	EERS &		
Da heck	chan sed By ser		Submit Contract Rabindra K.Th	Manager	Verified By Expert Qty Sur H.K. Mandal	veyor/CSE	Giral	magas *		approved By Feam Leader Giresh Chan	



				Summa	ry Sheet of Con	icrete Cube I	est Report				
						F		Month Year		Febu 20	
							Ty	ype of Material		Conc.	
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand+Agg	Date of Casting	Date of		-	gth, N/mm2	Concrete Grade
92	TJL6A	RUDP-1520	Saptakoshi	OPC	Chisang Khola	14-Jan-18	7 Days 12-Dec-17	28 Days 3-Jan-18	7_Days	28 Days 21.67	M20
93	T3L131	RUDP-1521	Saptakoshi	OPC	Chisang Khola	14-Jan-18	18-Dec-17	11-Feb-18		23.26	, M20
94	DDC Yard DDC Yard	RUDP-1522 RUDP-1523	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola	14-Jan-18 14-Jan-18	21-Doc-17	11-Feb-18 11-Feb-18		23.41	M20
96	TSLITH	RUDP-1524	Saptakoshi	OPC	Chisang Khola Chisang Khola	14-Jan-18	21-Dec-17 23-Dec-17	11-Feb-18		23.78	/ M20 / M20
97	T31.8	RUDP-1525	Saptakoshi	OPC	Chisang Khola	[4-Jan-]8	24-Dec-17	11-Feb-18		22.NO //	M20
98	T3L13J T2L22A	RUDP-1526 RUDP-1527	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola	15-Jan-18	24-Dec-17	12-Feb-18		21.52	M20
100	DDC Yard	RUDP-1528	Saptakoshi	OPC	Chisang Khola Chisang Khola	15-Jan-18 15-Jan-18	25-Dec-17 26-Dec-17	12-Feb-18 16-Jan-18		22.50	M20
101	T31/13D	RUDP-1529	Saptakasla	OPC	Chisang Khola	15-Jan-18	28-Dec-17	1K-Jan-1K		22.80	-M20
102	Madhimura yard	RUDP-1530	Saptakoshi	OPC	Chisang Khola	15-Jan-18	22-Jan-18	12-Feb-18		27.36	M2.5
103	Madhamara yard R-6	RUDP-1531 RUDP-1532	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	15-Jan-18 15-Jan-18	22-Jan-18 22-Jan-18	12-Feb-18 12-Feb-18		26.81	M25 M26
104	T3LI3D	RUDP-1533	Saptakoshi	OPC	Chisang Khola	16-Jan-18	23-Jan-18	13-Feb-18		22.93	M20
ion	T21.22A	RUDP-1534	Saptakoshi	OPC	Chisang Khola	16-Jan-18	23-Jan-18	13-Feb-18		22.88	M20
ior-	T2L19Q T3H34	RUDP-1536	Saptakoshi Saptakoshi	OPC	Chisang Khola	16-Jan-18	23-Jan-18	13-Feb-18 14-Feb-18		22.35	M20
109	TILLIE	RUDP-1537	Saptakoshi	OPC	Chisang Khola Chisang Khola	17-Jan-18 17-Jan-18	24-Jan-18 24-Jan-18	14-Feb-18 14-Feb-18		22.13	M20 M20
110	T3L6A	RUDP-1538	Saptakoshi	OPC	Chixang Khola	17-Jan-18	24-Jan-18	14-Feb-18		22.80	M20
111	Madhumara yard	RUDP-1539	Saptakoshi	OPC	Chisang Khola	18-Jan-18	25-Jan-18	15-Feb-18		27.28	M25
112	T3L11H R-7	RUDP-1540 RUDP-1541	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	19-Jan-18	26-Jan-18 26-Jan-18	16-Feb-18 16-Feb-18		23.10	M20 M20
in.	T3L8	RUDP-1542	Saptakoshi	OPC	Chisang Khola	19-Jan-18	26-Jan-18 26-Jan-18	16-Feb-18		22.73	M20 M20
115	T3L8	RUDP-1543	Suptakoshi	OPC	Chisang Khola	19-Jan-18	26-Jan-18	16-Feb-18		22.95	M20
116	THE	RUDP-1544	Saptakashi	OPC	Chisang Khola	19-Jan-18	26-Jan-18	16-Feb-18		2130	M20
117	T3L131 T2L19Q	RUDP-1545 RUDP-1546	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	20-Jan-18 20-Jan-18	27-Jan-18 27-Jan-18	17-Feb-18 17-Feb-18		22.13	M20 M20
119	731.1111	RU/DP-1547	Saptakoshi	OPC	Chisang Khota	26-Jan-18	27-Jan-18	17-Feb-18		23.48	M20
120,	T3LX	RUDP-1548	Saptakoshi	OPC	Chisang Khola	26-Jan-18	27-Jan-18	17-Feb-18		21.83	M20
121	T21.22A	RUDP-1549	Saptakoshi	OPC	Chisang Khola	21-Jan-18	28-Jan-18	18-Feb-18		22.88	M20
122	TSL1SD Madhumara yard	RUDF-1550 RUDF-1551	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chusang Khola	21-Jan-18 22-Jan-18	28-Jan-18 29-Jan-18	18-Feb-18 19-Feb-18		22.80	M20 M20
124	DDC Yard	RUDP-1552	Saptakoshi	OPC	Chisang Khola	22-Jun-18	29-Jan-18	19-Fcb-18		24.08	M20
125	DDC Yard	RUDP-1553	Saptakoshi	OPC	Chisang Khola	22-Jan-18	29-Jan-18	19-Feb-18		21.52	M20
126	T3L11H	RUDP-1554 RUDP-1555	Saptakoshi Saptakoshi	OPC	Chisang Khola	23-Jan-18	30-Jan-18	20-Feb-18		23.26	M20.
128	R-12	RUDP-1556	Saptakodii	OPC	Chisang Khola Chisang Khola	24-Jan-18 24-Jan-18	31-Jan-18 31-Jan-18	21-Feb-18 21-Feb-18		23.26	M20 M20
129	TALIAC	RUDP-1557	Saptakoshi	OPC	Chisang Khola	.25-Jan-18	1-Feb-18	22-Feb-18	15.81	23.26	M20
170	T31.7	RUDP-1558	Saptakoshi	OPC	Chisang Khola	25-Jan-1X	1-Feb-18	22-Feb-18	16,93	22.70	M20
132	THERE	RUDP-1559	Saptakoshi	OPC	Chisang Khola	25-Jan-18 25-Jan-19	1-Feb-18	22-Feb-18	17.08	23,78	M20
133	T3L22A R-107	RUDP-1560 RUDP-1561	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	25-Jan-18 26-Jan-18	1-Feb-18 2-Feb-18	22-Feb-18 23-Feb-18	16.26	22.80	M20 M20
134	R-12	RUDP-1562	Saptakoshi	OPC	Chisang Khola	26-Jan-18	2-Feb-18	23-Feb-18	16,93	21.83	M20
135	Madhumara yard	RUDP-1563	Saptakoshi	OPC	Chisang Khola	26-Jan-18	2-Fcb-18	23-Fcb-18	15.81	23,86	M20
136	TILISA TILISA	RUDP-1564 RUDP-1565	Saptakoshi Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	26-Jan-18	2-Feb-18	23-Feb-18	15,29	23.41	M20
137	J. 10/15/4	KODP-1303	Supraktisti	ore	Choung Khosa	26-Jan-18	2-Feb-18	// groups in	15:07	23.26	M20
			X				18/6	onsultant	121	V	1
IN	THONGHENO TERNATION	G CONSTI	RUCTION GI	ROUP O. LTD	BUILDING I	ANCY PVT.	LTDANDI	(P) LTD IN PLUS ENGI IMANDU, N	VEERS &	ENTURE W & ARCHITE	ITH B.N. CTS (P)
ga c	adham	41	6	1	2 Jan	O V	6	ratnagas *		06	**
Engin	ked By eer ak Pradhan		Submitt Contract N Rabindra K.Tha	Aanager	Verified By Expert Qty Sur H.K. Mandal	rveyor/CSE				Approved By Team Leader Giresh Chan	



				ontract No:- R						
					1		Month		Febu	
						75			_	
-	1.5 16.6	± 20	Brand of	Source of	Date of			Strength		Concrete
		100	Cement	Sand+Agg	Casting	7 Days	28 Days	7 <sub>a</sub> Days	28 Days	Grade
					26-Jan-18	12-Dec-17	3-Jan-18	16.76	22.65	M20
		Saptakoshi		-	_				_	M20 M20
TZLINY	RUDP-1569	Saptakoslii	OPC	Chisang Khola	28-Jan-18	21-Doc-17	25-Feb-18	14.92	24.38	M20
T3L220	RUDP-1570	Saptakoshi	OPC	Chirang Khola	28-Jan-18	23-Dec-17	25-Feb-18	16.48	23.26	M20
10.00								15.22	-	M20 M20
T203K	RUDP-1573	Saptakoshi	OPC	Chisang Khola	30-Jan-18	25-Dec-17	27-Feb-18	15.84	23.41	M20
Koshi Yard	RUDF-1574	Shalimar Gold	OPC	Chixang Khola	30-Jan-1X	26-Dec-17	16-Jan-18	15.44	22.20	M20
T3L6A	RUDP-1575	Shalimar Gold	OPC	Chisang Khola	30-Jan-) R	28-Dec-)7	18-Jan-18	15:44	24.16	M20
									-	M20 M25
Madhimara yard	RUDP-1578	Shalimar Gold	OPC	Chisang Khola	31-Jan-18	7-Feb-18	28-Feb-18	15.81	26.96	M25 M20
R-107	RUDP-1579	Shahmar Gold	OPC	Chisang Khola	31-Jan-IX	7-Feb-18	28-Feb-18	13.22	21.67	M20
THISA	RUDP-1580	Shatunar Gold	OPC	Chisang Khota	1-Fcb-19	X-Feb-19	1-Mar-19	15.22		M20
		_				0.740		16.26		M20 M26
Machomura yard	RUDP-1582	Shalmar Gold	OPC	Chisang Khola	2-Feb-19	9-Feb-19	2-Mar-19	19.04		M20 M25
Keshi Yard	RUDP-1584	Shalunar Gold	OPC	Chisang Khola	2-Feb-19	9-Feb-19	2-Mar-19	16.03		M20
R-107	RUDF-1385	Shalimar Gold	OPC	Chisang Khola	2-Feb-19	9-Feb-19	2-Mar-19	15.05		M2D
								14 92		M20
131.33K		Shalimar Gold	OPC				1			M20 M20
r-84	RUDP-1589	Shalimar Gold	OPC	Chisang Khola	4-Feb-19	11-Feb-10	4-Mar-19	15.37		M20
1-2	RUDP-1590	Shalimur Gold	OPC	Chisang Khola	4-Feb-19	11-Feb-19	4-Mar-19	14.84		M20
T3L6A	RUDP-1591		OPC	Chisang Khola	4-Fcb-19	11-Feb-19	4-Mar-19	15.81		M20.
							_			M20 M26
Koshi Yard	RUDP-1594	Shalimar Gold	OPC	Chisang Khola	5-Feb-19	12-Feb-19	5-Mar-19	16.34		M20
Madhamara yard	RUDP-1595	Shalimar Gold	.OPC	Chinang Khola	6-Fcb-19	13-Feb-19	6-Mar-19	21.15		M30
DDC Yard	RI/DP-1596	Shalimar Gold	OPC	Chisang Khola	6-Fc6-19	13-Feb-19	6-Mar-19	17.01		M20
					_		_			M20
R-2	RL/DP-1599	Shalimar Gold	OPC	Chisang Khola	7-Feb-19		1 11000			M20 M20
TSLUB	RUDP-1600	Shalimar Gold	OPC	Chisang Khola	7-Feb-19	14-Feb-19	7-Mar-19	14.55		M20
T31,000	RUDP-1601	Shalimur Gold	OPC	Chisang Khola	8-Fcb-19	15-Feh-19	R-Mar-19	15:52		M20
							-			-M20
TZLIKY	RUDP-1604	Shalimar Gold	OPC				_			M20 M20
T21.24G	RUDP-1605	Shalimar Gold	OPC	Chisang Khola	9-Feb-19	16-Feb-19	9-Mar-19	15,37		M20
R-106	RUDP-1606	Shalimar Gold	OPC	Chisang Khola	10-Feb-19	17-Fch-19	(0-Mar-19	17.01		M20
TILLIN	RUDP-1607	Shalimar Gold	OPC	Chisang Khola	10-Fcb-19	17-Feb-19	10-Mar-19	15.89		M20
					1000	17-Feb-19 18-Feb-19		16.71		M20
T3L13C	RUDP-1610	Shahmar Gold	OPC	Chisang Khola	11-Feb-19					M20 M20
TELLII	RUDP-1611	Shalimar Gold	OPC	Chuang Khola	11-Feb-19			14.47		M20 /
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-	OUT #	Distributed in the second				191		=		
				CONSULT.	ANCY PVT.	LTBAND	PLUSENGI	YEERS &	ARCHITEC	TH B.N. CTS (P)
lhon	and the	/	1	me	9	Bira	tnagar * M		a	
ed By		Submitte Contract N Rabindra K.Tha	Manager	Verified By Expert Qty Sur	rveyor/CSE				approved By Feam Leader	
	T3L220 R.34 T3L246 T2L246 T2L346 T2L346 T2L346 T2L346 T3L6A T3L138 Madhumara yard Msdhumara yard R-107 T1L5A 1-12 T2L191 Msdhumara yard Koshi Yard R-107 T1L5A T1L36 T3L191 Msdhumara yard Koshi Yard R-107 T1L5A T1L136 T3L191 DDC Yard T3L181 T3L118 DDC Yard T3L118 T3L18 T3L118 T3L18 T3L	T3L11H RUDP-1566 T3L11M RUDP-1568 T3L11N RUDP-1568 T3L21N RUDP-1568 T3L21N RUDP-1569 T3L21D RUDP-1570 R-84 RUDP-1571 T3L22G RUDP-1572 T3L23G RUDP-1572 T3L34G RUDP-1574 T3L6A RUDP-1575 T3L33E RUDP-1575 T3L33E RUDP-1575 T3L53E RUDP-1579 Madhumans yard RUDP-1579 T1L5A RUDP-1579 T1L5A RUDP-1579 T1L5A RUDP-1579 T1L5A RUDP-1580 T3L191 RUDP-1583 T3L191 RUDP-1583 T3L191 RUDP-1583 T3L191 RUDP-1583 T3L191 RUDP-1583 T3L191 RUDP-1584 T3L191 RUDP-1586 T3L6A RUDP-1586 T3L5A RUDP-1586 T3L6A RUDP-1586 T3L10A RUDP-1587 T3L10B RUDP-1589 T3L10B RUDP-1596 T3L11B RUDP-1596 T3L11B RUDP-1596 T3L11B RUDP-1596 T3L11B RUDP-1596 T3L11B RUDP-1606 T3L11N RUDP-1606	T3L11H RUDF-1566 Saptakoshi T3L11M RUDF-1567 Saptakoshi R-30 RUDF-1568 Saptakoshi T2L13Y RUDF-1570 Saptakoshi T3L220 RUDF-1570 Saptakoshi T3L220 RUDF-1570 Saptakoshi T3L220 RUDF-1571 Saptakoshi T3L226 RUDF-1572 Saptakoshi T3L23G RUDF-1572 Saptakoshi T2L13K RUDF-1573 Saptakoshi T2L13K RUDF-1573 Saptakoshi T2L13K RUDF-1573 Sabinnar Gold T3L6A RUDF-1574 Shalmar Gold T3L6A RUDF-1575 Shalmar Gold R-107 RUDF-1578 Shalmar Gold R-107 RUDF-1579 Shalmar Gold R-107 RUDF-1579 Shalmar Gold T-12 RUDF-1579 Shalmar Gold R-107 RUDF-1580 Shalmar Gold T-12 RUDF-1581 Shalmar Gold T-12 RUDF-1581 Shalmar Gold T-12 RUDF-1581 Shalmar Gold T-12 RUDF-1582 Shalmar Gold T-12 RUDF-1584 Shalmar Gold T-12 RUDF-1584 Shalmar Gold T-11-5A RUDF-1584 Shalmar Gold T-11-5A RUDF-1585 Shalmar Gold T11-5A RUDF-1584 Shalmar Gold T11-5A RUDF-1585 Shalmar Gold T11-5A RUDF-1586 Shalmar Gold T11-5A RUDF-1589 Shalmar Gold T3-11-10 RUDF-1590 Shalmar Gold T3-11-10 RUDF-1591 Shalmar Gold T3-11-11 RUDF-1590 Shalmar Gold T3-11-11 RUDF-1591 Shalmar Gold T3-11-11 RUDF-1590 Shalmar Gold T3-11-11 RUDF-1590 Shalmar Gold T3-11-11 RUDF-1590 Shalmar Gold T3-11-11 RUDF-1601 Shalmar Gold T3-11-11 RUDF-160	T3L11H	T3L11H RUDP-1566 Saptakosla OPC Chisang Khola R300 RUDP-1568 Saptakosla OPC Chisang Khola T3L11M RUDP-1568 Saptakosla OPC Chisang Khola T3L13Y RUDP-1569 Saptakosla OPC Chisang Khola T3L3Y RUDP-1569 Saptakosla OPC Chisang Khola T3L3Y RUDP-1570 Saptakosla OPC Chisang Khola T3L32B RUDP-1570 Saptakosla OPC Chisang Khola T3L24G RUDP-1571 Saptakosla OPC Chisang Khola T3L24G RUDP-1572 Saptakosla OPC Chisang Khola T3L34G RUDP-1572 Saptakosla OPC Chisang Khola T3L34G RUDP-1573 Saptakosla OPC Chisang Khola T3L34G RUDP-1573 Saptakosla OPC Chisang Khola T3L34G RUDP-1573 Sabinar Gold OPC Chisang Khola T3L34G RUDP-1578 Sabinar Gold OPC Chisang Khola T1L5A RUDP-1578 Sabinar Gold OPC Chisang Khola T1L5A RUDP-1580 Sabinar Gold OPC Chisang Khola T1L5A RUDP-1581 Sabinar Gold OPC Chisang Khola T1L5A RUDP-1581 Sabinar Gold OPC Chisang Khola T1L5A RUDP-1583 Sabinar Gold OPC Chisang Khola RuDP 1584 Sabinar Gold OPC Chisang Khola RuDP 1584 Sabinar Gold OPC Chisang Khola RuDP 1585 Sabinar Gold OPC Chisang Khola RuDP 1586 Sabinar Gold OPC Chisang Khola RuDP 1586 Sabinar Gold OPC Chisang Khola RuDP 1586 Sabinar Gold OPC Chisang Khola T1L5A RUDP-1586 Sabinar Gold OPC Chisang Khola T1L5A RUDP-1589 Sabinar Gold OPC Chisang Khola T1L5A RUDP-1589 Sabinar Gold OPC Chisang Khola T1L5A RUDP-1590 Sabinar Gold OPC Chisang Khola T1L11 RUDP-1607 Sabinar Gold OPC Chisang Khola T1L11 RUDP-1608 Sabinar Gold OPC Chisang Khola T1L11 RUDP-1608 Sabinar G	T3L11H   RUDP-1566   Saptikocila   OPC   Chisang Rhola   27-Jan-18   R-30   RUDP-1565   Saptikocila   OPC   Chisang Rhola   27-Jan-18   R-30   RUDP-1565   Saptikocila   OPC   Chisang Rhola   28-Jan-18   T2L1NY   RUDP-1569   Saptikocila   OPC   Chisang Rhola   28-Jan-18   T2L1NY   RUDP-1570   Saptikocila   OPC   Chisang Rhola   28-Jan-18   T2L220   RUDP-1570   Saptikocila   OPC   Chisang Rhola   29-Jan-18   T2L24G   RUDP-1572   Saptikocila   OPC   Chisang Rhola   29-Jan-18   T2L24G   RUDP-1573   Saptikocila   OPC   Chisang Rhola   29-Jan-18   T2L24G   RUDP-1573   Saptikocila   OPC   Chisang Rhola   29-Jan-18   T2L24G   RUDP-1573   Saptikocila   OPC   Chisang Rhola   29-Jan-18   T2L24G   RUDP-1575   Saptikocila   OPC   Chisang Rhola   30-Jan-18   T3L74R   RUDP-1575   Salaimar Gold   OPC   Chisang Rhola   30-Jan-18   T3L74R   RUDP-1575   Shalimar Gold   OPC   Chisang Rhola   30-Jan-18   T3L74R   RUDP-1576   Shalimar Gold   OPC   Chisang Rhola   31-Jan-18   Rudbentara yard   RUDP-1578   Shalimar Gold   OPC   Chisang Rhola   31-Jan-18   Rudbentara yard   RUDP-1578   Shalimar Gold   OPC   Chisang Rhola   31-Jan-18   T3L74R   RUDP-1578   Shalimar Gold   OPC   Chisang Rhola   31-Jan-18   T3L74R   RUDP-1578   Shalimar Gold   OPC   Chisang Rhola   31-Jan-18   T4L191   RUDP-1585   Shalimar Gold   OPC   Chisang Rhola   2-Feb-19   T3L104   RUDP-1585   Shalimar Gold   OPC   Chisang Rhola   3-Feb-19   T3L104   RUDP-1586   Shalimar Gold   OPC   Chisang Rhola   2-Feb-19   T3L104   RUDP-1586   Shalimar Gold   OPC   Chisang Rhola   2-Feb-19   T3L104   RUDP-1586   Shalimar Gold   OPC   Chisang Rhola   2-Feb-19   T3L110   RUDP-1596   Shalimar Gold   OPC   Chisang Rhola   2-Feb-19   T3L110   RUDP-1596   Shalimar Gold   OPC   Chisang Rhola   3-Feb-19   T3L110   RUDP-1596   Shalimar Gold   OPC   Chisang Rhola   3-Feb-19   T	Consistent	Continue	Content	Vear   Type of Marietal   Conc.



				Damina	ry Sheet of Con	tree Cube	. car report				
								Month		Febu	
							T	Year ype of Material		Conc.	
N	Location	Lab Ref.no.	Type of Cement	Brand of	Source of	Date of	Date of		Strength	N/mm2	Concrete
		RUDP-1612		Cement	Sand+Agg	Canting	7 Days	28 Days	7 Days	28 Days	Grade
84	T2L11B	RUDP-1612 RUDP-1613	Shalimar Gold Shalimar Gold	OPC	Chisang Khola Chisang Khola	12-Feb-19 12-Feb-19	12-Dec-17 18-Dec-17	3-Jan-18 12-Mar-19	15.81		M20 M20
166	Madiumara yard	RUDP-1614	Shalimar Gold	OPC	Chisang Khola	12-Feb-19	21-Dec-17	12-Mar-19	17.53		M25
167.	TILSA	RUDP-1615	Shalimar Gold	OPC	Chisang Khola	13-Feb-19	21-Dec-17	13-Mar-19	16.48		M26
88	TJL22B	RUDP-1616	Shalimar Gold	OPC	Chisang Khola	13-Feb-19	23-Dec-17	13-Mar-19	15.89		M20
90:	R-84 R-2	RUDP-1617 RUDP-1618	Shalimar Gold Shalimar Gold	OPC OPC	Chisang Khola Chisang Khola	13-Feb-19 14-Feb-19	24-Dec-17 24-Dec-17	13-Mar-19 14-Mar-19	17.31		M20 M20
91.	T3L6A	RUDP-1619	Shalimar Gold	OPC	Chinang Khola	15-Feb-19	25-Doc-17	15-Mar-19	15.14		M20
12	T2L24G	RUDP-1620	Shalimar Gold	OPC	Chisang Khola	15-Feb-19	26-Dec-17	16-Jan-18	16.26		M20
13	Keshi Yard	RUDF-1621	Shalimar Gold	OPC	Chosing Khola	15-Feb-19	28-Dec-17	18-Jan-18	15,52		M20
4	Madhamara yard TRL13K	RUDP-1622 RUDP-1623	Shalimar Gold Tej Gold	OPC	Chisang Khola Chisang Khola	15-Feb-19 16-Feb-19	22-Feb-19 23-Feb-19	15-Mar-19 16-Mar-19	15.62		M20 M20
96.	Talls	RUDP-1624	Tej Gold	OPC	Chisang Khola	16-Feb-19	23-Feb-19	16-Mar-19	15.74		M20
7	CN2CN3	RUDP-1625	Tej Gold	OPC	Chisang Khola	16-Feb-19	23-Feb-19	16-Mar-19	15.22		M20
15	. Madhumara yard	RUDP-1626	Tej Gold	OPC	Chisang Khola	17-Feb-19	24-Feb-19	17-Mar-19	21.45		M30
99.	DDC Yard	RUDP-1627 RUDP-1628	Tej Gold Tej Gold	OPC	Chisang Khola Chisang Khola	18-Feb-19 18-Feb-19	25-Feb-19 25-Feb-19	18-Mar-19 18-Mar-19	16.19		M20 M20
01	TILSA	RUDP-1628	Tej Gold	OPC	Chisang Khola	18-Feb-19	25-Feb-19 25-Feb-19	18-Mar-19 18-Mar-19	15.52		M20 M20
02	T21.24G	RUDP-1630	Tej Gold	OPC	Chisang Khola	19-Feb-19	26-Feb-19	19-Mar-19	15.22		M20
03	T31.22B.	RUDP-1631	Tej Gold	OPC	Chisang Khola	19-Fcb-19	26-Feb-19	19-Mar-19	16.56		M20
05	T3L6A R-63	RUDP-1632 RUDP-1633	Tej Gold Tej Gold	OPC OPC	Chisang Khola Chisang Khola	20-Feb-19 20-Feb-19	27-Feb-19	20-Mar-19	15.37		M20
06	13L6A	RUDP-1634	Tej Gold	OPC	Chisang Khola	20-Fcb-19 21-Fcb-19	27-Feb-19 28-Feb-19	20-Mar-19 21-Mar-19	16.63		M20 M20
07	THEFT	RUDP-1635	Tej Gold	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	16.86		M20
8	R-7	RUDP-1636	Tej Gold	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	14,40		M20
91	131.22B	RUDP-1637	Tej Gold	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	16,34		M20
0	T2L24G T3L11N	RUDP-1639	Tej Gold Tej Gold	OPC	Chisang Khola Chisang Khola	21-Feb-19 21-Feb-19	28-Feb-19 28-Feb-19	21-Mar-19 21-Mar-19	16.86		M20 M20
2	T3L6A	RUDP-1640	Shalimar Gold	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	15.81		M20
1	Madhumara yard	RUDP-1641	Shalimar Gold	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	18.16		M25
4.	Madhumara yard	RUDP-1642	Shalimar Gold	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	14.92		M20
it.	T3L22B Koshi Yard	RUDP-1643	Shalimar Gold Shalimar Gold	OPC OPC	Chisang Khola	21-Feb-19	2X-Feb-19	21-Mar-19	1641		M29
7	R-2	RUDP-1644 RUDP-1645	Shalimar Gold	OPC	Chisang Khola Chisang Khola	21-Feb-19 21-Feb-19	28-Feb-19 28-Feb-19	21-Mar-19 21-Mar-19	16.93		M20 M20
N.	DDC Yard	RUDP-1646	Shalimar Gold	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	32.21		M30
9	R-84	RUDP-1647	Shalimar Gold	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	15.96	/	M20
0	R-2	RUDP-1648	Shalimar Gold	OPC	Chisang Khola	21-Fcb-19	28-Feb-19	21-Mar-19	16.41		M20
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	ZHONGHEN	G CONSTE	RUCTION GI NEERING C	ROUP O. LTD		ANCY PVT	LTDAND	(A) LTD IN JO PLUS ENGIN IMANDU, NE	EERS &		
2	ndhan	70,1	K	2	for	(P)		Stratnaget *		06	
ngii	ked By neer oak Pradhan		Contract I Rabindra K.Th	Manager	Verified By Expert Qty Sur H.K. Mandal	rveyor/CSE		-		pproved B eam Leader Giresh Chan	



			5	Contra	agar Metro ect No:- RUDF Sheet of Mor	P/ICB/BR	Γ-02				
								Month		Feb	urary
								Year -			019
							Descrip	tion of Sam	ple	Bric	k Wall
							Date of	Testine	Strength	N/mm2	
N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28 Days	Type of Grade
28	T3L8	MR-1198	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	Days	9.20	7.5
29	T3L13D	MR-1199	Committee of the commit	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		9.34	7.5
3()	T3L13D	MR-1200	-	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		9.87	17.5
31	R-34	MR-1201	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		8.80	7.5
32	T3L13D	MR-1202	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		8.40	7.5
33	T3L11B	MR-1203	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		8.67	7.5
34	R-20	MR-1204	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		8.40	7.5
35	T3L6A	MR-1205	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Fcb-19		8.14	7,5
36	T2L19Q	MR-1206	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		8.40	7.5
37	T3L13D	MR-1207	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		8.94	7.5
18	T3L8	MR-1208	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		9.07	7.5
19	T3L6A	MR-1209	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		7.87	7.5
10.	T3L11B	MR-1210	Ambe hi-tech	OPC	Chisang Khola	8-Jan-19	15-Jan-19	5-Feb-19		8.14	7.5
11	R-34	MR-1211	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		8.80	7,5
12	T3L11B	MR-1212	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		8.40	7.5
3	T2L18Y	MR-1213	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		8.27	7.5
44	T3L9	MR-1214	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		9,34	7.5
45	T2L19P	MR-1215	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		8.67	7.5
46	T2L25	MR-1216	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		8.67	7.5
17	T3L13D	MR-1217	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		8.40	7.5
18	R-23	MR-1218	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		7.74	7.5
19	R-12	MR-1219	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		8.80	7.5
50	R-23	MR-1220		OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		9.07	7.5
51	T3L11A	MR-1221	Ambe hi-tech	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19		8,40	7.5
52	T2L19Q	MR-1222	Ambe hi-tech	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19		8,94	7.5
53	T3L8	MR-1223	Ambe hi-tech	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19		8.80	7.5
54	T3L13J	MR-1224	Ambe hi-tech	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19		8.27	7.5
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1	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD				BUILDING VENTURE PLUS	WITH B.I	191	RITY (R	YEV TS (F	r. LTI	AND
90	achan A			M	Many		Fig. 9 M	-	R		
Eng	gineer Submitted By Contract Manager Shpak Pradhan Rabindra K. Thakur						Approved By Team Leader Giresh Chand				



		REG		Biratn Contra	AN DEVE agar Metro let No:- RUDI Sheet of Mor	politan ( P/ICB/BR	City T-02	PROJ	ECT		
						1		Month	_	Feb	urary
								Year -	337	2	019
							Descrip	tion of San	iple	Bric	k Wall
		Lab	Type of	Brand of		Date of	Date of	Testing	Strength	, N/mm2	Type of
S.N.	Location	Ref.no.	Cement	Cement	Source of Sand	Casting	7 Days	28 Days	7 Days	28 Days	Grade
28	T3L8	MR-1198	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		9.20	7.8
29	T3L13D	MR-1199	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		9.34	/7.5
30	T3L13D	MR-1200	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	-	9.87	7.5
31	R-34	MR-1201	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		8.80	7.5
32	T3L13D	MR-1202	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		8.40	7.5
33	T3L11B	MR-1203	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		8.67	7.5
34	R-20	MR-1204	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		8.40	7.5
35	T3L6A	MR-1205	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		8.14	7.5
36	T21.19Q	MR-1206	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		8.40	7.5
37	T3L13D	MR-1207	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		8.94	7.5
38	13L8	MR-1208	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		9.07	7.5
39	T3L6A	MR-1209	Ambe hi-tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19		7.87	7.5
40	T3L11B	MR-1210	Amhe hi-tech	OPC	Chisang Khola	8-Jan-19	15-Jan-19	5-Feb-19		8.14	7.5
41	R-34	MR-1211	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		8.80	7.5
42	T3L11B	MR-1212	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		8.40	7.5
43	T2L18Y	MR-1213	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		8.27	7.5
44	T3L9	MR-1214	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		9,34	7.5
45	T2L19P	MR-1215	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		8.67	7.5
46	T2L25	MR-1216	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		8.67	7,5
47	T3L13D	MR-1217	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		8.40	7.5
48	R-23	MR-1218	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		7.74	7.5
49	R-12	MR-1219	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		8.80	7.5
50	R-23	MR-1220	Ambe hi-tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19		9.07	7.5
51	T3L11A	MR-1221	Ambe hi-tech	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19		8.40	7.5
52	T2L19Q	MR-1222	Ambe hi-tech	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19		8.94	7.5
53	T3L8	MR-1223	Ambe hi-tech	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19		8.80	7.5
54	T3L13J	MR-1224	Ambe hi-tech	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19		8.27	17.5
2	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD			AL	BUILDING VENTURE PLUS	WITH BA	RS & AF	PRITY OF JLTANG CHPTEGU, NEPA	PV TS (F	r. LTI	DAND
Eng	ecked By gineer Submitted By Contract Manager hpak Pradhan Rabindra K. Thakur			Tanager	er Expert Oty Surveyor/CSE Team Leader					eader	



		REG		Birati	AN DEVI nagar Metro act No:- RUD y Sheet of Mo	politan P/ICB/BR	City T-02	PROJ	ECT		
								Month		Feb	urary
								Year *			019
							Descrip	tion of Sam	ple	Bric	k Wall
		Lab	Type of	Brand of		Date of		Testing		, N/mm2	T
S.N.	Location	Ref.no.	Cement	Cement	Source of Sand	Casting	7 Days	28 Days	7 Days	28 Days	Type o Grade
55	T2L22A	MR-1225	Ambe hi-tech	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19		8.67	7.5
56	T3L13D	MR-1226	Saptakoshi	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19		9.20	7.5
57	T2L19Q	MR-1227	Saptakoshi	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19		8.54	7.5
58	T3L13J	MR-1228	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19		9.47	7.5
59	T3L9	MR-1229	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19		8.40	7.5
60	T3L11H	MR-1230	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19		8.54	7.5
61	T3L8	MR-1231	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19		8.40	7.5
62	T2L22A	MR-1232	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19		8.67	7.5
63	R-12	MR-1233	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19		7.87	7.5
64	T3L9	MR-1234	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19		7.87	7.5
65	T2L19P	MR-1235	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19		8.80	7.5
66	T3L11B	MR-1236	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19		8.80	7.5
67	R-10	MR-1237	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19		8.94	7.5
68	T2L19P	MR-1238	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19		8.40	7.5
69	T21.25	MR-1239	Saptakoshi	OPC	Chisang Khola	12-Jan-19	19-Jan-19	9-Feb-19		8.14	7.5
70	T2L22A	MR-1240	Saptakoshi	OPC:	Chisang Khola	12-Jan-19	19-Jan-19	9-Feb-19		8.14	7.5
71	R-9(B)	MR-1241	Saptakoshi	OPC	Chisang Khola	12-Jan-19	19-Jan-19	9-Feb-19		8.94	7.5
72	T3L11H	MR-1242	Saptakoshi	OPC	Chisang Khola	12-Jan-19	19-Jan-19	9-Feb-19		9.07	7.5
73	T3L9	MR-1243	Saptakoshi	OPC	Chisang Khola	13-Jan-19	20-Jan-19	10-Feb-19		8.94	7.5
74	T31.11H	MR-1244	Saptakoshi	OPC	Chisang Khola	13-Jan-19	20-Jan-19	10-Feb-19		9,47	7.5
75	T3L11H	MR-1245	Saptakoshi	OPC	Chisang Khola	13-Jan-19	20-Jan-19	10-Feb-19		9.74	7.5
76	T2L19Q	MR-1246	Saptakoshi	OPC	Chisang Khola	13-Jan-19	20-Jan-19	10-Feb-19		9.20	7.5
77	T2L25	MR-1247	Saptakoshi	OPC	Chisang Khota	13-Jan-19	20-Jan-19	10-Feb-19		8.54	7.5
78	T2L22A	MR-1248	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19		8.00	7.5
79	T3L13D	MR-1249	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19		8.00	7.5
80	T3L11H	MR-1250	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19		9.07	7.5
81	T2L18Y	MR-1251	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19		8.54	7.5/
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	-	Contr	actor				Consult	ant	1		
2	GRO	P INTE	ONSTRUC RNATION NG CO. LT	AL	BUILDING VENTURE PLUS	WITH B.	NAUTHONS NECONS ERS & AF THMAND	RITY (P) LITANC RCHITEC U, NERAL	Y PVT TS (P	LTD	AND
	acked By Submitted By			Verified By Approved							



		REGI		Biratr	AN DEVE nagar Metro net No:- RUDI y Sheet of Mo	politan ( P/ICB/BR	City T-02	PROJI	ECT		
								Month	_	Feb	urary
								Year -			019
							Descrir	otion of Sam	nle		k Wall
								Testing		N/mm2	
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28 Days	Type o Grade
82	T2L25	MR-1252	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	Days	7.87	7.5
83	R-84	MR-1253	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19		8.27	7.5
84	T2L24F	MR-1254	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	-	_	7.5
85	T3L13D	MR-1254	Saptakoshi	-		14-Jan-19		11-Feb-19		9.07	
				OPC	Chisang Khola		21-Jan-19			9.20	7.5
86	TILIE	MR-1256	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19		9.07	7,5
87	T3L8	MR-1257	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19		8.67	7.5
88	T3L9	MR-1258	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19		8.67	7.5
89	R-12	MR-1259	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19		8.40	7.5
90	T2L19P	MR-1260	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	1	9.34	7.5
91	R-20	MR-1261	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19		8.54	7.5
92	T3L8	MR-1262	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19		9.20	7.5
93	T3L13D	MR-1263	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19		8.94	7.5
94	R-23	MR-1264	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.94	7.5
95	T3L6A	MR-1265	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.67	7.5
96	T3L13J	MR-1266	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.80	7.5
97	T2L22A	MR-1267	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8,40	7.5
98	T3L11E	MR-1268	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		9.47	7.5
99	T21.24F	MR-1269	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.00	7.5
100	TIL5A	MR-1270	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.40	7.5
101	R-23	MR-1271	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.94	7.5
102	R-9(B)	MR-1272	Saptakoshi	OPC	Chisang Khola	15-Jan-19	20-Jan-19	12-Feb-19		8.00	7.5
103	T3L11D	MR-1273	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		9.47	7.5
104	T2L25	MR-1274	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.00	7.5
105	R-20	MR-1275	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		9.07	7.5
106	T3L13E	MR-1276	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.80	7.5
107	T1L5A	MR-1277	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		9.34	7.5
108	R-23	MR-1278	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19-	12-Feb-19		9.47	7.5
							/an	duthor/ry	1	V	1
1		Contra	actor				Consul	tant	2		
2	GRO	P INTE	ONSTRUCT RNATION NG CO. LT	AL	BUILDING VENTURE PLUS	WITH B. ENGINE	N ARTHONIS	PRITY (P) ULTANCY RCHITEC U, NEPAI	TS (P	. LTD	AND
Engi	gchan cked By neer	nan	Submitt Contract N Rabindra K	Manager	Verified By Expert Qty St H.K. Mandal	irveyor/CS		lagar * In	Te	oprove eam Le	ader



		REGI		Biratr	N DEVE nagar Metro net No:- RUDI Sheet of Mon	politan ( P/ICB/BR	City T-02	PROJI	ECT		
								Month		Feb	urary
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							Davorin	tion of Sam	nla		k Wall
											, man
SN.	Location	Lab	Type of	Brand of	Source of Sand	Date of	Date of	Testing	Strength	, N/mm2	Туре о
31.N.	Location	Ref.no.	Cement	Cement	Source of Sand	Casting	7 Days	28 Days	7 Days	28 Days	Grade
109	T2L18Y	MR-1279	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.00	7.5
110	R-34	MR-1280	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.14	7.5
111	T3L13J	MR-1281	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.40	7.5
112	T3L11D	MR-1282	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		9.20	7.5
113	T3L19P	MR-1283	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.67	7.5
1.14	T2L24F	MR-1284	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.54	7.5
115	T3L8	MR-1285	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.94	7.5
116	T3L9	MR-1286	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		9.47	7.5
117	R-34	MR-1287	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		7.87	7.5
118	R-12	MR-1288	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.14	7.5
119	T3L23J	MR-1289	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.27	7.5
120	T3L8	MR-1290	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.54	7.5
121	T3L8	MR-1291	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		9.47	7.5
122	T2L24F	MR-1292	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.94	7.5
123	T3L8	MR-1293	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.67	7.5
124	R-10	MR-1294	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		9.47	7.5
125	T2L22A	MR-1295	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		8.00	7.5
126	T21,25	MR-1296	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		9.20	7.5
127	T313J	MR-1297	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19		9.47	7.5
128	R-20	MR-1298	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.00	7.5
129	R-34	MR-1299	Saptakoshi	OPC	Chisang Khola	16-Jan-19	20-Jan-19	13-Feb-19		8.80	7.5
130	T3L6A	MR-1300	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		9.47	7.5
131	R-23	MR-1301	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.14	7.5
132	T3L6A	MR-1302	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.14	7.5
133	R-9(B)	MR-1303	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		9.07	7.5
134	T3L9	MR-1304	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.00	7.5
135	T2L19P	MR-1305	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8,94	/7.5
							100	(10)	1	V	
		Conti	actor				Consul	tant	81		
2	GRO	HENG CO	ONSTRUC RNATION NG CO. LT	AL	BUILDING VENTURE PLUS	WITH B. ENGINE	N CONS	PITY (P)	Y PVI TS (P	. LTD	AND
Eng	odlan cked By ineer	nan	Submitt Contract M Rabindra K	Aanager	Verified By Expert Qty St H.K. Mandal	Story .	,	nagat 4	A <sub>I</sub>	oprove eam Le	ader



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								Month		Feb	urary
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							Descrip	tion of Sam	ple	Bric	k Wall
		Lab	Type of	Brand of		Date of	Date of	Testing	Strength	, N/mm2	Type o
S.N.	Location	Ref.no.	Cement	Cement	Source of Sand	Casting	7 Days	28 Days	7 Days	28 Days	Grade
136	T3L11B	MR-1306	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		9,47	7.5
137	T2L24F	MR-1307	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.67	7.5
138	T3L11E	MR-1308	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.94	7.5
139	T21.19P	MR-1309	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		9.20	7.5
140	T3L11E	MR-1310	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		9.07	7.5
141	T2L19Q	MR-1311	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.67	7.5
142	R-12	MR-1312	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.40	7.5
143	R-23	MR-1313	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		9,34	7.5
144	T31.9	MR-1314	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.27	7.5
145	T31.8	MR-1315	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.67	7.5
146	T3L11E	MR-1316	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.67	7.5
147	T2L19Q	MR-1317	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		9.34	7.5
148	R-12	MR-1318	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.00	7,5
149	R-34	MR-1319	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.94	7,5
150	T3L11B	MR-1320	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		9.34	7.5
151	T3L8	MR-1321	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.54	7.5
152	T3L11B	MR-1322	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.40	7.5
153	T2L24F	MR-1323	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		9.47	7.5
154	T3L9	MR-1324	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19		8.67	7.5
155	T3L11B	MR-1325	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.00	7.5
156	T3L13P	MR-1326	Saptakoshi	OPC	Chisang Khola	17-Jan-19	20-Jan-19	14-Feb-19		8.54	7.5
157	T3L13J	MR-1327	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		9.34	7.5
158	R-9(B)	MR-1328	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		9.47	7.5
159	T3L11H	MR-1329	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		9.07	7.5
160	T2L19Q	MR-1330	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		9.34	7.5
161	T3L13D	MR-1331	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.94	7.5
162	T2L22A	MR-1332	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.00	/7.5
				-		1,110	(00)	mortey (P)	7	V	
		Conti	actor				Consul	tant	199		
7	GRO	HENG CO	ONSTRUC RNATION NG CO. LT	L	BUILDING VENTURE PLUS	WITH B. ENGINE	N ALPHO N. CONS ERS & AL	RITY (P)	Y PVT	LTD	AND
Oheo Engi	eked By		Submitt Contract N		Verified By Expert Qty Su	Sold Services		Biratnaga	Ap	prove	



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								otion of Sam			K Wall
0.81	4 consider	Lab	Type of	Brand of		Date of	Date of	Testing	Strength	, N/mm2	Type o
S.N.	Location	Ref.no.	Cement	Cement	Source of Sand	Casting	7 Days	28 Days	7 Days	28 Days	Grade
163	T3L11B	MR-1333	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.94	7.5
164	T2L19Q	MR-1334	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.27	7.5
165	T2L19P	MR-1335	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		9.47	7.5
166	T2L19Q	MR-1336	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		9.20	7.5
167	T3L11B	MR-1337	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		9.74	7.5
168	T2L19P	MR-1338	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.67	7.5
169	R-12	MR-1339	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		9.47	7.5
170	T2L19P	MR-1340	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.00	7.5
171	TIL5A	MR-1341	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.40	7.5
172	R-12	MR-1342	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		7.87	7.5
173	T3L11B	MR-1343	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		9.34	7.5
174	T3L13J	MR-1344	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.00	7.5
175	R-12	MR-1345	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		7.87	7.5
176	R-23	MR-1346	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.67	7.5
177	T3L11E	MR-1347	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.67	7.5
178	R-9(B)	MR-1348	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.40	7.5
179	T3L11E	MR-1349	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.00	7.5
180	R-12	MR-1350	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.00	7.5
181	T3L11E	MR-1351	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.40	7.5
182	T3L9	MR-1352	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.67	7.5
183	T3L11E	MR-1353	Saptakoshi	OPC	Chisang Khola	17-Jan-19	20-Jan-19	14-Feb-19		8.40	7.5
184	R-12	MR-1354	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		9.20	7.5
185	T2L190	MR-1355	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19		8.80	7.5
186	R-12	MR-1356	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		8.94	7.5
187	T2L25	MR-1357	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		8.54	7.5
188	R-9(B)	MR-1358	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		7.74	7.5
189	T1L5A	MR-1359	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-licb-19		7.87	1.5
							Pr	mint (V)	1	~	1111
		Contra	actor				Consult	tant	(2)		
2	GROU	HEXG C	ONSTRUCT RNATIONANG CO. LTI	II)	BUILDING VENTURE PLUS	WITH B.	N AUTHO N. GONST ERS & AF	RITY (P)	PVT TS (P	LTD	AND
ngi	cked By incer Contract Manager Rabindra K, Thakur			lanager	Verified By Expert Qty Su	rveyor/CS	E	amag	Te	proved am Les	ader



		REGI		Biratr	AN DEVE nagar Metro net No:- RUDI v Sheet of Mon	politan ( P/ICB/BR	City T-02	PROJI	ECT		
								Month		Feb	urary
								Year -			019
							Descrip	tion of Sam	nle		k Wall
										N/mm2	17 411
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	Testing 28 Days	7 Days	28 Days	Type o Grade
190	T3L11B	MR-1360	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	Days	8.00	7.5
191	T2L18Y	MR-1361	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		8.94	7.5
192	T21.22A	MR-1362	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		9.47	7.5
193	T2L24F	MR-1363	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		8.67	7.5
194	T3L13J	MR-1364	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		9.47	7.5
195	R-12	MR-1365	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		8.94	7.5
196	T2L25	MR-1366	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		9.47	7.5
197	T2L11Y	MR-1367	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		7.74	7.5
198	T3L13B	MR-1368	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		7.74	7.5
199	T3L11B	MR-1369	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		8.67	7.5
200	T21.24F	MR-1370	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19 25-Jan-19	15-Feb-19			7.5
201	T2L22A	MR-1370	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19 25-Jan-19	15-Feb-19		7.74	
202			Saptakoshi		Chisang Khola	18-Jan-19		15-Feb-19	-	9.47	7.5
203	T2L25	MR-1372	Saptakoshi	OPC		18-Jan-19	25-Jan-19	15-Feb-19		9.34	7.5
204	T3L9	MR-1373	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19 25-Jan-19	15-Feb-19		9,47	7.5
205	T2L19B	MR-1374	Saptakoshi	OPC	Chisang Khola	18-Jan-19	Be and	15-Feb-19	-	8,27	7.5
206		MR-1375	Saptakoshi	OPC	Chisang Khola Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		9.47	7.5
200	T2L11B	MR-1376		OPC		18-Jan-19	25-Jan-19			8.54	7.5
	TIL5A	MR-1377	Saptakoshi	OPC	Chisang Khola		25-Jan-19	15-Feb-19		9,34	7.5
208	T3L11E	MR-1378	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		7.74	7.5
209	T2L18Y	MR-1379	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19		9,47	7,5
210		MR-1380	Saptakoshi	OPC	Chisang Khola	19-Jan-19	20-Jan-19	16-Feb-19		8.94	7,5
211	T31.9	MR-1381	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19		8.00	7,5
212	T2L19P	MR-1382	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19		8.00	7.5
213	T2L24J	MR-1383	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19		8.94	7.5
214	T21.25	MR-1384	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	-	9.47	7.5
215	TIL5A	MR-1385	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19		9.34	7.5
216	13L13D	MR-1386	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19-	16-Feb-19		8.27	7.5
-		6.4					(8)		<u>a</u>	~	
7	GROU	PINTE	ONSTRUC RNATIONANG CO. LT	AI)	BUILDIN VENTURE PLUS	WITH B. ENGINE	N. CONSI	PRITY (P	Y PVI	LTD	AND
Che	nd han		Submitt		Verified By	CONFORM Y		atmayor	Ap	oprove	

Expert Qty Surveyor/CSE

H.K. Mandal

Contract Manager Rabindra K. Thakur



Engineer

Pushpak Pradhan

Team Leader

Giresh Chand

		REGI		Biratr Contra	N DEVE nagar Metro net No:- RUDI Sheet of Mon	politan ( P/ICB/BR	City T-02	PROJI	ECT		
								Month		Feb	urary
								Year "		2	019
							Descrip	tion of Sam	ple	Brie	k Wall
-		Total of the					Date of	Testing	Strength	N/mm2	
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Custing	7 Days	28 Days	7 Days	28 Days	Type o Grade
217	T3L13D	MR-1387	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	Lays	8.00	7.5
218	T2L19O	MR-1388	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19		9.60	7.5
219	T21.19P	MR-1389	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19		8.27	7.5
220	T2L22A	MR-1390	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19		9.60	7.5
221	T3L8	MR-1391	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19		9.07	7.5
222	T3L11E	MR-1392	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19		8.94	7.5
223	T3L11H	MR-1393	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19		9.20	7.5
224	T2L18Y	MR-1394	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19		8.00	7.5
225	T3L8	MR-1395	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		8.00	7.5
226	T3L11B	MR-1396	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		9.07	7.5
227	T2L19P	MR-1397	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		8.40	7.5
228	T2L24F	MR-1398	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		8.54	7.5
229	T3L13J	MR-1399	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		9,47	7.5
230	TIL5A	MR-1400	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		8.67	7.5
231	T3L13J	MR-1401	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		9.34	7.5
232	TIL5A	MR-1402	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		8.80	7.5
233	T3L13B	MR-1403	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		9.47	7.5
234	T2L19P	MR-1404	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		7.74	7.5
235	T2L19P	MR-1405	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		8.94	7.5
236	T21.22B	MR-1406	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		8.40	7.5
237	T3L8	MR-1407	Saptakoshi	OPC	Chisang Khola	20-Jan-19	20-Jan-19	17-Feb-19		8.80	7.5
238	T3L11A	MR-1408	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		9.07	7.5
239	T3L11H	MR-1409	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		8.94	7.5
240	T2L18Y	MR-1410	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19		9.07	7.5
241	13L9	MR-1411	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19		9.47	7.5
242	T2L19P	MR-1412	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19		7.74	7.5
243	T3L11B	MR-1413	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19		8.00	7.5
							Auth	ority (P)		~	/
7	Contractor ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD				BUILDING DESIGN & THORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULDANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD,						
Engi	acked By Submitted By gineer Contract Manager hoak Pradhan Rabindra K. Thakur			er Expert Qty Surveyor/CSE Team Leader						eader	



		REGI		Birati	AN DEVE nagar Metro act No:- RUDI Sheet of Mo	politan ( P/ICB/BR	City T-02	PROJI	ECT		
								Month		Feb	urary
								Year -			019
							Descrip	tion of Sam	ple	Bric	k Wall
							Date of	Testing	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 Days	Type o Grade
244	T2L24F	MR-1414	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19	Lays	9.47	7.5
245	T3L13J	MR-1415	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19		7.74	7.5
246	T21.25	MR-1416	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19		9.07	7.5
247	T1L5A	MR-1417	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19		8.80	7.5
248	T3L13D	MR-1418	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19		9.47	7.5
249	T2L19P	MR-1419	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19		8.94	7.5
250	T2L22A	MR-1420	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19		8.14	7.5
251	T3L8	MR-1421	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19		7.87	7.5
252	T3L11E	MR-1422	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19		8.54	7.5
253	T3L11H	MR-1423	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19		8.00	7.5
254	T2L18Y	MR-1424	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19		8.27	7.5
255	T2L19P	MR-1425	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		8.00	7.5
256	T3L9	MR-1426	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		9.07	7.5
257	T31.11E	MR-1427	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		8.00	7.5
258	T2L24F	MR-1428	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		8.94	7.5
259	T3L13J	MR-1429	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		7.74	7,5
260	T3L13J	MR-1430	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		9.47	7.5
261	T2L25	MR-1431	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		9.20	7.5
262	T11.5A	MR-1432	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		8.00	7.5
263	T3L13D	MR-1433	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		8.94	7.5
264	T2L19Q	MR-1434	Saptakoshi	OPC	Chisang Khola	22-Jan-19	20-Jan-19	19-Feb-19		8.14	7.5
265	T2L19P	MR-1435	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		8.14	7.5
266	T2L22A	MR-1436	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		8.94	7,5
267	T31.8	MR-1437	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		8.40	7.5
268	T3LE	MR-1438	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		8.27	7.5
269	T3L11H	MR-1439	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		8.94	7.5
270	T2L18Y	MR-1440	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		8.94	7.5
		Contra	actor				Nihorit				-
2	CHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD				BUILDIN VENTURE PLUS	WITH B.	N. CONSI	CHITEC	Y PVT	LTD	AND
Eng	ocked By Submitted By Contract Manager Rabindra K. Thakur								ader		



		REGI		Biratr	AN DEVE nagar Metro act No:- RUD y Sheet of Mo	politan ( P/ICB/BR	City T-02	PROJI	ECT		
								Month		Feb	urary
								Year -		2	019
							Descrip	tion of Sam	ple	Bric	k Wall
		3.7	4	200			Date of	Testing	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 Days	Type of Grade
271	T3L11B	MR-1441	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	Dujs	7.87	7.5
272	T3L9	MR-1442	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		7.74	7.5
273	T2L24F	MR-1443	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		8.67	7.5
274	T3L13D	MR-1444	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19		9.07	7.5
275	T3L13D	MR-1445	Saptakoshi	OPC	Chisang Khola	23-Jan-19	30-Jan-19	20-Feb-19		8.94	7.5
276	T21.19P	MR-1446	Saptakoshi	OPC	Chisang Khola	23-Jan-19	30-Jan-19	20-Feb-19		8.00	7.5
277	T3L9	MR-1447	Saptakoshi	OPC	Chisang Khola	23-Jan-19	30-Jan-19	20-Feb-19		9.07	7.5
278	T3L11B	MR-1448	Saptakoshi	OPC	Chisang Khola	23-Jan-19	30-Jan-19	20-Feb-19		8.67	7.5
279	T3L13J	MR-1449	Saptakoshi	OPC	Chisang Khola	23-Jan-19	30-Jan-19	20-Feb-19		7.74	7.5
280	T2L22A	MR-1450	Saptakoshi	OPC	Chisang Khola	23-Jan-19	30-Jan-19	20-Feb-19		9.47	7.5
281	T3L13D	MR-1451	Saptakoshi	OPC	Chisang Khola	23-Jan-19	30-Jan-19	20-Feb-19		8.94	7.5
282	T3L8	MR-1452	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19		8.67	7,5
283	T2L22A	MR-1453	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19		8.00	7.5
284	T3L11E	MR-1454	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19		8.67	7.5
285	TILSA	MR-1455	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19	-	7.74	7.5
286	T3L11H	MR-1456	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19		9.07	7.5
287	T2L22A	MR-1457	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19		8.00	7.5
288	T2L24F	MR-1458	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19		9.20	7.5
289	T3L6	MR-1459	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19		8.54	7.5
290	R-11	MR-1459	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19	-	9.34	7.5
291	T2L24G	MR-1461	Saptakoshi	OPC	Chisang Khola	24-Jan-19	20-Jan-19	21-Feb-19	-	7.74	7.5
292	TIL5A	MR-1462	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19	_	8.27	7.5
293	R-30	MR-1463	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19			7.5
294	T3L5	MR-1464	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19		7.74 8.54	7.5
295	TIL13A	MR-1465	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19	-	9.34	7.5
296	TILI3A	MR-1466	Saptakoshi	OPC	Chisang Khola	25-Jan-19	1-Feb-19	22-Feb-19	6.51	9.34	7.5
297	T3L13C	MR-1467	Saptakoshi	OPC	Chisang Khola	25-Jan-19 25-Jan-19	1-Feb-19	22-Feb-19	7.05	8.40	7.5
2,71	TALIAC	MK-1407	Sapiakosin	orc	Citisang Kinna	20-500-19	1-1-0313	MAED HAZA	1.03	0.40	1.3
-		Contre	ector			_	Consul	tant		_	_
2	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD				BUILDING DESIGN AUTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL						
Che	od ham  ecked By gineer hpak Pradhan  Submitted By Contract Manager Rabindra K. Thakur				Verified By  Approved By  Expert Qty Surveyor/CSE  Team Leader						d By



		REGI		Birati	AN DEVE nagar Metro act No:- RUD y Sheet of Mo	politan ( P/ICB/BR	City T-02	PROJI	ECT		
								Month		Feb	urary
								Year -	0.0		019
							Descrip	otion of Sam	ple		k Wall
								Testing		, N/mm2	
S.N.	Location	Lab Ref.no.	Type of Coment	Brand of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7	28	Type of Grade
298	R-84	MR-1468	Saptakoshi	OPC	Chisang Khola	25-Jan-19	T F-6 10	22 E.L 10	Days	Days	7.6
299	TIL5A	MR-1469	Saptakoshi	OPC	Chisang Khola	25-Jan-19	1-Feb-19	22-Feb-19	6.24	8.80	7.5
300	T3L11B	MR-1470	Saptakoshi	OPC	Chisang Khola	25-Jan-19	1-Feb-19	22-Feb-19	6.10	9.34	7.5
301				OPC			1-Feb-19	22-Feb-19	6.65	8.27	7.5
302	R-30 T3L13C	MR-1471	Saptakoshi	OPC	Chisang Khola	26-Jan-19	2-Feb-19	23-Feb-19	6.38	9.47	7.5
302	-	MR-1472	Saptakoshi	OPC	Chisang Khola	26-Jan-19	2-Feb-19	23-Feb-19	6.92	8.40	7.5
	T3L11B	MR-1473	Saptakoshi	OPC	Chisang Khola	26-Jan-19	2-Feb-19	23-Feb-19	5.97	7.74	7.5
304	T2L24G	MR-1474	Saptakoshi	OPC	Chisang Khola	26-Jan-19	2-Feb-19	23-Feb-19	6.78	9.07	7.5
305	T3L1111	MR-1475	Saptakoshi	OPC	Chisang Khola	27-Jan-19	3-Feb-19	24-Feb-19	6.38	8.54	7.5
306	T2L18Y	MR-1476	Saptakoshi	OPC	Chisang Khola	27-Jan-19	3-Feb-19	24-Feb-19	6.10	9.47	7.5
307	T3L6A	MR-1477	Saptakoshi	OPC	Chisang Khola	28-Jan-19	4-Feb-19	25-Feb-19	5.97	8.94	7.5
308	T3L11A	MR-1478	Saptakoshi	OPC	Chisang Khola	28-Jan-19	4-Feb-19	25-Feb-19	6.65	8.14	7.5
309	T2L24G	MR-1479	Saptakoshi	OPC	Chisang Khola	28-Jan-19	4-Feb-19	25-Feb-19	6.24	8.00	7.5
310	T3L13K	MR-1480	Saptakoshi	OPC	Chisang Khola	28-Jan-19	4-Feb-19	25-Feb-19	5.97	9.47	7.5
311	TIL13A	MR-1481	Saptakoshi	OPC	Chisang Khola	29-Jan-19	5-Feb-19	26-Feb-19	6.51	9.34	7.5
312	R-84	MR-1482	Saptakoshi	OPC	Chisang Khola	29-Jan-19	5-Feb-19	26-Feb-19	6.65	9.47	7.5
313	T3L111	MR-1483	Saptakoshi	OPC	Chisang Khola	30-Jan-19	6-Feb-19	27-Feb-19	5.83	8.40	7.5
314	T3L11B	MR-1484	Saptakoshi	OPC	Chisang Khola	30-Jan-19	6-Feb-19	27-Feb-19	5.83	9.20	7.5
315	T3L22B	MR-1485	Saptakoshi	OPC	Chisang Khola	31-Jan-19	7-Feb-19	28-Feb-19	6.65	8.27	7.5
316	T3L11B	MR-1486	Saptakoshi	OPC	Chisang Khola	31-Jan-19	7-Feb-19	28-Feb-19	6.10	9.47	7.5
317	T31.11H	MR-1487	Saptakoshi	OPC	Chisang Khola	1-Feb-19	8-Feb-19	1-Mar-19	6.10	V	7.5
118	T3L111	MR-1488	Saptakoshi	OPC	Chisang Khola	1-Feb-19	20-Jan-19	1-Mar-19	6.65		7.5
319	T3L11N	MR-1489	Saptakoshi	OPC	Chisang Khola	1-Feb-19	8-Feb-19	1-Mar-19	6.56		7.5
320	T3L6A	MR-1490	Saptakoshi	OPC	Chisang Khola	2-Feb-19	9-Feb-19	2-Mar-19	6.51		7.5
321	R-84	MR-1491	Saptakoshi	OPC	Chisang Khola	2-Feb-19	9-Feb-19	2-Mar-19	7.05		7.5
322	T3LIIN	MR-1492	Saptakoshi	OPC	Chisang Khola	3-Feb-19	10-Feb-19	3-Mar-19	6.65		7.5
323	R-107	MR-1493	Saptakoshi	OPC	Chisang Khola	3-Feb-19	10-Feb-19	3-Mar-19	5.59		7.5
324	T3L13C	MR-1494	Saptakoshi	OPC	Chisang Khola	3-Feb-19	10-Feb-19	3-Mar-19	6.65		7.5
-							putho	The state of the s			
Z	GRO	P INTE	ONSTRUCT RNATIONA IG CO. LTI	L	BUILDING DESIGN AUTHORITY OF LTD IN JOINT VENTURE WITH B. CONSULTANCE PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD,						
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200	dhan		de de	1	4	TON'S A			C	8	
bee	ecked By Submitted By		Varified Dy			A		d D-			
	gineer Supmitted By  Contract Manager			· · · · · · · · · · · · · · · · · · ·							
	pak Pradh	an	Rabindra K.		H.K. Mandal	i veyor/CS	E			am Le resh Ch	



		REG		Biratr Contra	AN DEVE pagar Metro act No:- RUDI v Sheet of Mon	politan ( P/ICB/BR	City T-02	PROJI	ECT		
								Month		Feb	urary
								Year -			019
							Descrip	tion of Sam	ple	Bric	k Wall
		Lab	T C	D				Testing		, 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 o Grade
325	R-2	MR-1495	Saptakoshi	OPC	Chisang Khola	4-Feb-19	11-Feb-19	4-Mar-19	5.83	1	7.5
326	R-2	MR-1496	Tej Gold	OPC	Chisang Khola	4-Feb-19	11-Feb-19	4-Mar-19	6.38	/	7.5
327	T3L6A	MR-1497	Tej Gold	OPC	Chisang Khola	4-Feb-19	11-Feb-19	4-Mar-19	6.92/		7.5
328	T2L22B	MR-1498	Tej Gold	OPC	Chisang Khola	5-Feb-19	12-Feb-19	5-Mar-19	6.10	,	7.5
329	T3111i	MR-1499	Tej Gold	OPC	Chisang Khola	5-Feb-19	12-Feb-19	5-Mar-19	6.78	/	7.5
330	R-84	MR-1500	Tei Gold	OPC	Chisang Khola	6-Feb-19	13-Feb-19	6-Mar-19	5.83	1	7.5
331	R-106	MR-1501	Tei Gold	OPC	Chisang Khola	6-Feb-19	13-Feb-19	6-Mar-19	6.51	1	7.5
332	TIL56A	MR-1502	Tej Gold	OPC	Chisang Khola	6-Feb-19	13-Feb-19	6-Mar-19	6.65		7.5
333	R-106	MR-1503	Tej Gold	OPC	Chisang Khola	6-Feb-19	13-Feb-19	6-Mar-19	5.83		7.5
334	R-2	MR-1504	Tej Gold	OPC	Chisang Khola	6-Feb-19	13-Feb-19	6-Mar-19	5.97		7.5
335	T3L6A	MR-1505	Tej Gold	OPC	Chisang Khola	7-Feb-19	14-Feb-19	7-Mar-19	6.10		7.5
336	T3L11N	MR-1506	Tej Gold	OPC	Chisang Khola	7-Feb-19	14-Feb-19	7-Mar-19	6.78		7.5
337	T2L18Y	MR-1507	Tej Gold	OPC	Chisang Khola	8-Feb-19	15-Feb-19	8-Mar-19	6.10		7.5
338	T3L13k	MR-1508	Tej Gold	OPC	Chisang Khola	8-Feb-19	15-Feb-19	8-Mar-19	6.78		7.5
339	T3L22B	MR-1509	Tej Gold	OPC	Chisang Khola	8-Feb-19	15-Feb-19	8-Mar-19	5.83		7.5
340	R-106	MR-1510	Tej Gold	OPC	Chisang Khola	8-Feb-19	15-Feb-19	8-Mar-19	6.51		7.5
341	TILI3A	MR-1511	Tej Gold	OPC	Chisang Khola	9-Feb-19	16-Feb-19	9-Mar-19	6.51		7.5
342	T3L11N	MR-1512	Tej Gold	OPC	Chisang Khola	9-Feb-19	16-Feb-19	9-Mar-19	7.05		7.5
343	T2L11B	MR-1513	Shalimar	OPC	Chisang Khola	10-Feb-19	17-Feb-19	10-Mar-19	6.38		7.5
344	T3L6A	MR-1514	Shalimar	OPC	Chisang Khola	10-Feb-19	17-Feb-19	10-Mar-19	6.10		7.5
345	T2L24G	MR-1515	Shalimar	OPC	Chisang Khola	10-Feb-19	20-Jan-19	10-Mar-19	6.78		7.5
346	T1L5A	MR-1516	Shalimar	OPC	Chisang Khola	10-Feb-19	17-Feb-19	10-Mar-19	5.97		7.5
347	T3L11H	MR-1517	Shalimar	OPC	Chisang Khola	10-Feb-19	17-Feb-19	10-Mar-19	6.65		7.5
348	R-106	MR-1518	Shalimar	OPC	Chisang Khola	10-Feb-19	17-Feb-19	10-Mar-19	6.65		7.5
349	R-11	MR-1519	Shalimar	OPC	Chisang Khola	11-Feb-19	18-Feb-19	11-Mar-19	5.97		7.5
350	T3L25C	MR-1520	Shalimar	OPC	Chisang Khola	11-Feb-19	18-Feb-19	11-Mar-19	5.97		7.5
351	T2L24G	MR-1521	Shalimar	OPC	Chisang Khola	11-Feb-19	18-Feb-19	11-Mar-19	6.65	1	7.5
							AULHOR	THY IPI		/	~
		Contr	netor			- 1	Consult	tant			
7	GRO	UP INTE	ONSTRUC RNATION NG CO. LT	AL	BUILDING VENTURE PLUS	WITH B.	N. CONSI ERS & AI		Y PVT TS (P	LTD	AND
Olo	odkan cked By		Submitt	ed By	Verified By	Max	olratna	gar *	An	prove	d By
-	neer pak Pradi	nan	Contract N Rabindra K	/anager	Expert Qty Su H.K. Mandal	rveyor/CS	E		Te	am Le	ader



		REG		Biratr	N DEVE nagar Metro net No:- RUD v Sheet of Mo	politan ( P/ICB/BR	City T-02	PROJI	ECT		
								Month		Feb	urary
								Year -		2	019
							Descrip	tion of Sam	pie	Bric	k Wall
						3	Date of	Testing	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 Days	Type of Grade
352	T3L6A	MR-1522	Shalimar	OPC	Chisang Khola	12-Feb-19	19-Feb-19	12-Mar-19	6.65	Days	7.5
353	R-107	MR-1523	Shalimar	OPC	Chisang Khola	13-Feb-19	20-Feb-19	13-Mar-19	6.92		7.5
354	T3L5	MR-1524	Shalimar	OPC	Chisang Khola	13-Feb-19	20-Feb-19	13-Mar-19	5.83		7.5
355	R-11	MR-1525	Shalimar	OPC	Chisang Khola	14-Feb-19	21-Feb-19	14-Mar-19	6.10		7.5
356	T2L18Y	MR-1526	Shalimar	OPC	Chisang Khola	14-Feb-19	21-Feb-19	14-Mar-19	6.78		7.5
357	T2L23C	MR-1527	Shalimar	OPC	Chisang Khola	15-Feb-19	22-Feb-19	15-Mar-19	5.83		7.5
358	R-2	MR-1528	Shalimar	OPC	Chisang Khola	15-Feb-19	22-Feb-19	15-Mar-19	6.51		7.5
359	R-11	MR-1529	Shalimar	OPC	Chisang Khola	16-Feb-19	23-Feb-19	16-Mar-19	6.10		7.5
360	T2L18Y	MR-1530	Shalimar	OPC	Chisang Khola	16-Feb-19	23-Feb-19	16-Mar-19	6.92		7.5
361	R-2	MR-1531	Shalimar	OPC	Chisang Khola	16-Feb-19	23-Feb-19	16-Mar-19	6.51		7.5
362	R-107	MR-1532	Shalimar	OPC	Chisang Khola	16-Feb-19	23-Feb-19	16-Mar-19	5.97		7.5
363	T3L25C	MR-1533	Saptakoshi	OPC	Chisang Khola	17-Feb-19	24-Feb-19	17-Mar-19	6.92		7.5
364	T2124G	MR-1534	Saptakoshi	OPC	Chisang Khola	17-Feb-19	24-Feb-19	17-Mar-19	-		
365	R-11	MR-1535	Saptakoshi	OPC	Chisang Khola	17-Feb-19	24-Feb-19	17-Mar-19	5.83	-	7.5
366	T1L5A	MR-1536	Saptakoshi	OPC	Chisang Khola	17-Feb-19	24-Feb-19	17-Mar-19	6.51		7.5
367	T3L11B	MR-1537	Saptakoshi	OPC	Chisang Khola	17-Feb-19	24-Feb-19	17-Mar-19	6.10		7.5
368	T3L23C	MR-1538	Saptakoshi	OPC	Chisang Khola	18-Feb-19	25-Feb-19	18-Mar-19	6.92		1174
369	R-2	MR-1539	Saptakoshi	OPC	Chisang Khola	18-Feb-19	25-Feb-19	18-Mar-19	6.24	_	7.5
370	T2L18Y	MR-1540	Saptakoshi	OPC	Chisang Khola	18-Feb-19	25-Feb-19	18-Mar-19	7.05		7.5
371	T3L23C	MR-1541	Saptakoshi	-	Chisang Khola	19-Feb-19		19-Mar-19			-
372	R-84	MR-1541	Saptakoshi	OPC	Chisang Khola	19-Feb-19	26-Feb-19 20-Jan-19	19-Mar-19	5.83		7.5
373	T3L11N	MR-1542	Saptakoshi			201500000		The state of the s	6.65	_	7.5
374	TIL5A	MR-1543	Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	19-Feb-19	26-Feb-19 26-Feb-19	19-Mar-19	6.78		7.5
375	T3L13K	MR-1545	Saptakoshi	OPC	Chisang Khola	19-Feb-19	26-Feb-19	19-Mar-19	6.51		7.5
376	T2124G	MR-1546	Saptakoshi	OPC	Chisang Khola	19-Feb-19	26-Feb-19	19-Mar-19	5.83		7.5
377	R-2	MR-1547	Saptakoshi	OPC	Chisang Khola	19-Feb-19	26-Feb-19	19-Mar-19	6.65		7.5
378	T3L22B	MR-1547	Saptakoshi	OPC	Chisang Khola	19-Feb-19		19-Mar-19	5.83		7.5
2/0	131,420	WIK-1546	Suptakosni	OPC	Chisang Khoia	19-100-19	26-FCB-19	rig-sviar-19	3.83	/	7.5
-	_	Contr	orton.			-	Consul	tant	_	_	_
		COLUM	The second second		BUILDIN	G DESIG			LTD	IN JO	INT
	GRO	PINTE	ONSTRUC RNATION NG CO. LT	L	VENTURE	WITH B.	ERS & AI	LTANCE RCHITEC U, NEPAI	TS (P)	. LTD	AND
Engi	cked By		Submitt Contract N	/lanager	Verified By Expert Qty St	1	E E	ogar .	Te	prove am Le	



		REGI		Biratr	N DEVE nagar Metro net No:- RUD Sheet of Mo	politan ( P/ICB/BR	City T-02	PROJI	ECT		
								Month		Feb	urary
								Year -			119
							Descrip	tion of Sam	ple	Brie	k Wall
							Date of	Testing	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 Days	Type o Grade
379	R-2	MR-1549	Saptakoshi	OPC	Chisang Khola	20-Feb-19	27-Feb-19	20-Mar-19	6.51	Days	7.5
380	T3L6	MR-1550	Saptakoshi	OPC	Chisang Khola	20-Feb-19	27-Feb-19	20-Mar-19	5.83		7.5
381	T3L6A	MR-1551	Saptakoshi	OPC	Chisang Khola	20-Feb-19	27-Feb-19	20-Mar-19	6.51		7.5
382	T3L11N	MR-1552	Saptakoshi	OPC	Chisang Khola	20-Feb-19	27-Feb-19	20-Mar-19	6.10		7.5
383	R-84	MR-1553	Saptakoshi	OPC	Chisang Khola	20-Feb-19	27-Feb-19	20-Mar-19	5.83		7.5
384	T3L6	MR-1554	Saptakoshi	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	5.83		7.5
385	T3L6A	MR-1555	Saptakoshi	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	5,56		7.5
386	R-106	MR-1556	Saptakoshi	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	6.38		7.5
387	T3L11N	MR-1557	Saptakoshi	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	6.24		7.5
388	R-84	MR-1558	Saptakoshi	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	5.97		7.5
389	R-11	MR-1559	Saptakoshi	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	6.78		7.5
390	R-2	MR-1560	Saptakoshi	OPC	Chisang Khola	21-Feb-19	28-Feb-19	21-Mar-19	6.10	/	7.5
									V		V
7	GRO	P INTE	ONSTRUC RNATION NG CO. LT	L	BUILDIN VENTURE PLUS	WITH B. ENGINE	Consult NAUTHO NE CONSI ERS & AI	PRITY (P)	Y PVT	LTD	AND
Che Engi	cked By	nan	Submitt Contract N Rabindra K	1anager	Verified By Expert Qty St H.K. Mandal	irveyor/CS	E		Te	oprove eam Le resh Ch	ader



			REGIO	Bir Cont	BAN DEVE atnagar Metro ract No:- RUD ary Sheet Of Mor	P/ICB/BRT-02	ECT	
				9411111	ary oneer or wor	Many rest neport	- Month	February
							Year Type of Material	2019 Brick
5,N.	Lab Ref.No.	Testing Date	Location of Sample	Source of Brick	Name Of Brick	Water Absorption of Brick(%)	Strength of Brick(N/mm²)	Remarks
1	369	2-Feb-19	R-20	Dadarbairya	ACC	13.31	14.80	
2	370	2-Feb-19	T3L6	Dadarbairya	ACC	13.54	13.24	
3	371	3-Feb-19	T2L19B	Dadarbairya	ACC	12.27	14.42 V	
4	372	3-Feb-19	T3l13K	Dadarbairya	ACC	13.29	12.29	
5	373	3-Feb-19	T2L19B	Dadarbairya	ACC	15.36	13.96	
6	374	4-Feb-19	T3L23C	Dadarbairya	ACC	13.57	12.58	
7	375	5-Feb-19	R-106	Dadarbairya	ACC	13.25	13.82	
8	376	7-Feb-19	T3L11N	Dadarbairya	ACC	13.77	14.73	
9	377 378	8-Fcb-19	R-84	Dadarbairya	ACC	13.01	13.00	
$\overline{}$		8-Feb-19	T1L5A	Dadarbairya	ACC	12.61	14.36	
11	379 380	9-Feb-19 10-Feb-19	R-23 T3L6A	Dadarbairya Dadarbairya	ACC	12.84	15.06	
13	381	10-Feb-19	T1L5A	Dadarbairya	ACC	12.21	13.00 /	
14	382	10-Feb-19	R-106	Dadarbairya Dadarbairya	ACC ACC	12.11 13.48	13.48 12.44	
15	383	11-Feb-19	R-84	Dadarbairya	ACC	14.88	13.88	
16	384	11-Feb-19	T3L11M	Dadarbairya Dadarbairya	ACC	13.28	14.65	
17	385	12-Feb-19	T3L11M	Dadarbairya	ACC	11.70	12.84	
18	386	12-Feb-19	T1L5A	Dadarbairya	ACC	12.84	14.79	
19	387	14-Feb-19	T2L24F	Dadarbairya	ACC	15.26	14.21	
20	388	19-Feb-19	R-2	Dadarbairya	ACC	11.87	15.00	
21	389	20-Feb-19	T3L23C	Dadarbairya	ACC	11.50	12.59	
22	390	20-Feb-19	T3L23C	Dadarbairya	ACC	11.50	12.59	
23	391	20-Feb-19	T2L25C	Dadarbairya	ACC	10.85	13.83	
24	392	21-Feb-19	T2L19B	Dadarbairya	ACC	12.03	14.80	
25	393	21-Feb-19	T2L18Y	Dadarbairya	ACC	10.68	12.36	
26	394	22-Feb-19	T3L11N	Dadarbairya	ACC	13.21	13.73	
27	395	22-Feb-18	R-106	Dadarbairya	ACC	13.21	13.73	
28	396	22-Feb-19	T3L23C	Dadarbairya	ACC	14.10	12.21	
29	397	22-Feb-19	T3L6	Dadarbairya	ACC	14.63	13.63	
30	398	22-Feb-19	T3L11N	Dadarbairya	ACC	13.70 🗸	12.05	
2	***		Sp. Limit			<20%	>8 to 10 N/m/m²	
	ments:-	1/280	ntractor			Consultan		
HON.	IGHENG CO		GROUP INTERNATIONA CO. LTD	L ENGINEERING		AUTHORITY (P) LITE IN JOINT VENTU LUS ENGINEERS & ARCHITECTS (P) L		VT. LTD AND
Er	gcha) ecked By ngineer ak Pradhan	1	Subinited Contract Ma Rabindra Kr.	nager	Verified By Expert/Oty Surveyor H.K.Mandal	Strainages.	Approved By Team Leader Giresh Chand	



			REGION	Bir: Contr	atnagar Metro act No:- RUD	ELOPMENT PROJ ppolitan City P/ICB/BRT-02 nthly Test Report	ECT	
							- Month Year	February 2019
							Type of Material	Brick
5.N.	Lab Ref.No.	Testing Date	Location of Sample	Source of Brick	Name Of Brick	Water Absorption of Brick(%)	Strength of Brick(N/mm²)	Remarks
31	399	22-Feb-19	R-84	Dadarbairya	ACC	10.80	12.44	
32	400	23-Feb-19	T2L19P	Dadarbairya	ACC	10.81	13.10	
33	401	23-Feb-19	T3L11N	Dadarbairya	ACC	13.16	14.19	
34	402	23-Feb-19	T3L23A	Dadarbairya	ACC	13.50	11.55	
35	403	24-Feb-19	T1L5A	Dadarbairya	ACC	10.11	13.86	
36	404	24-Feb-19	T2L25C	Dadarbairya	ACC	12.05	14.66	
37	405	24-Feb-19	T3L19B	Dadarbairya	Aanand	13.78	12.91	
38	406	24-Feb-19 25-Feb-19	T1L5A	Dadarbairya	Aanand	12.75	14.35	
40	407	25-Feb-19 25-Feb-19	R-106 R-2	Dadarbairya Dadarbairya	ACC	14.65	14.55	
41	409	25-Feb-19	T3L11N	Dadarbairya	ACC ACC	12.93 12.30	15.30	
42	410	25-Feb-19	R-2	Dadarbairya	ACC	12.30	12.26 14.05	/
43	411	25-Feb-19	T2L24G	Dadarbairya	ACC	13.75	15.28	
				_ aca om ju			13.20	
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_			Sp. Limit			<20%	>8 to 10 N/mm² /	
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		1 3	O. LID			(5)	TD, KATHMANDU, NEPAL	
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hecki	ed By		Submitted	-1	Verified By		Approved By	
neine	er		Contract Ma	nager	QTY Engineer/CSE		Team Leader	



			REGIO	Co	ratna ntrac	N D agar l et No:- v Sheet	Meti RUI	opo DP/IC	itan B/BI	City RT-02	7	PRO	)JE(	СТ			
														Mor	ith:		February
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		,			L	ocati								Type			Sub-base
Sn.	Lab.Ref no.	Location of				Sieve	Size ir	mm/j	passing	% By V	Veight						
on,	Lab.Rei no.	Sample	Source of Sample	Date of Testing	63.0	37.5	20.0	10.0	5.0	2.36	1.18	0.075	MDD	OMC	PI%	CBR%	Remarks
1	RUDP-SB-01	R-74,(0+050)	Chisang Khola	6-Feb-19	100	86.12	70.06	58.26	43,82	35.04	16.85	8.87	2.225	6.00	1.93	48.00	
					I	ocat	tion	-R-	77						V		
2	RUDP-SB-01	R-77,(0+040)	Chisang Khola	8-Feb-19	100	87.44	69.40	58.87	41.76	33.36	22,41	6.11	2.221	6.60	1.05	51.80	
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				Spec. Limit :	100	65~95	50~85	40-75	30-60	20. 45	15 27	4 15				20	
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	ZHONGHENG	CONSTRUCTI	ION GROUP INTI	ERNATIONAL.		BUILD	ING D T. LTE	ESIGN AND	AUTE PLUS I	ENGIN	EERS	ARE	OINT V	STP L	RE WI	TH B.N. C	CONSULTAN NDU, NEPAL
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	ngineer			ntract Manage	r	1		Qty Su		/CSF						oved By Leader	
ushp	ak Pradhan			indra Kr. Thaku				. Mano								h Chand	



			REGIO	Co	atna ntrac	N D igar l t No:-	Metr RUI	opol OP/IC	itan B/BI	City RT-02	,	PRO	)JE				
														Mor			February 2019
					Loc	ation	:-R-	-63						Type	e of		Sub-base
Sn.	Lab.Ref no.	Location of	P						assing '	% By W	eight			Nate	T I	1	Sub-base
-	Latoriter no.	Sample	Source of Sample	Date of Testing	63.0	37.5	20.0	10.0	5.0	2.36	1.18	0.075	MDD	OMC	PI%	CBR%	Remarks
1	RUDP-SB-01	R-63,(0+220)	Chisang Khola	4-Feb-19	100	90.08	73.03	54.69	41.79	28.65					/		
2	RUDP-SB-02	R-63,(0+400)	Chisang Khola	4-Feb-19	100	86.39	68.60	52.68	41.60	34.03	19.02	7.14	2,205	6.10	1.75	41.80	
									41.00	34.03	19.00	7.14			1.54		
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7	HONGHENG	CONSTRUCTI	ON GROUP INTE	ERNATIONAL	1	BUILDI	NG DE	SIGN AND P	AUTH LUS E	ORITY	(P) LA	DIN	PINTA	ENTUR S (P) ET	E WI	TH B.N. O	CONSULTANC NDU, NEPAL
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	cked By		S	ubmitted By			Verit	fied B	V								
	gineer ak Pradhan			ntract Manager		E	pert O	ty Sur	/eyor/0	CSE					7.30	ved By Leader	
isupa	ik Pradnan		Rabi	indra Kr. Thakur			H.K.	Manda	al							Chand	



			REGIO	Cor	atna itraci	N D gar N t No:-	Metr RUD	opol P/IC	itan B/BF	City RT-02		PRO	)JE(	CT			
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Sn.	Lab.Ref no.	Location of Sample	Source of Sample	Date of Testing	63.0	Sieve 37.5	Size in	mm / p	assing 5.0	% By W	eight 1.18	0.075	MDD	омс	PI%	CBR%	Remarks
1	RUDP-SB-01	N-5,(0+050)	Chisang Khola	2-Feb-19	100	88.66	70.58	57.23	45.16	34.72	20.52	10.08	2.226	5.90	1.37	42.20	
1																	
						- 4											
-				Spec. Limit :	100	65~95	50-85	40~75	30~60	20~45	15-37	4~15			<6	>30	
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_	7	.000 IID *CO	itraetor								15	Cons	ultant	(3)			
	ZHONGHENG	CONSTRUCT	TION GROUP INT RING CO. LTD	ERNATIONAL		BUILD	ING D T. LTI	ESIGN D AND	AUTI	HORIT ENGIN	YEERS	& ARC	HITEC	VS (P) L	RE W	ITH B.N.	CONSULTANC
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E	hecked By Engineer			Submitted By ontract Manage		Exp	ert Qty		yor/cs	SE					App	roved B	У
ush	pak Pradhan		Ra	bindra Kr. Thak	ur		H.K	. Man	dal							sh Chan	



		]	REGION	Birat Contr	naga act N	ir Me	udP/	olita ICB/	n C	ity -02	r Pl	ROJ	EC.	Г			
				Summ	ary S	heet of	Month	ly Test	Repo	rt				Mor	· +h ·		February
														Ye	ar		2019
				Lo	catio	on :-1	R-7()	T3L6	()					Type			Sub-base
		Location of	S. T. Harrison D.				Size in			% By W	eight						
in.	Lab.Ref no.	Sample	Source of Sample	Date of Testing	63.0	37.5	20.0	10.0	5.0	2.36	1.18	0.075	MDD	OMC	PI%	CBR%	Remarks
1	RUDP-SB-01	R-7(T3L6),0+220	Chisang Khola	13-Feb-19	100	87.99	68.43	53.57	43.51	33.99	16.03	8.52	2.235	5.78	1.49	47.50	
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-				Spec. Limit :	100	65-05	50_95	4075	30-60	20-45	15.37	4.15			<6	>30	
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		Con	raetor							_	1	Consu		0		_	
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	ZHONGHE	NG CONSTRUCTI	ION GROUP INTI ING CO. LTD	ERNATIONAL			CONSL	LTAN	CY PV	T. LTI	AND	PLUS	NGINE DU, NEP	ERS &	ARCI	URE WI HITECTS	(P) LTD,
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#### REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report Month: February Year 2019 Type of Location :- Xenial Side Sub-base Material Sieve Size in mm / passing % By Weight Location of Lab.Ref no. Source of Sample Date of Testing MDD OMC PI% CBR% Remarks Sample 63.0 0.075 37.5 20.0 10.0 5.0 2.36 1.18 RUDP-SB-01 Xenial Side, (0+130) Chisang Khola 2-Feb-19 100.00 88.14 67.67 55.84 38.40 29.05 15.94 8.50 2.210 6.20 1.57 49.00 Spec. Limit: 100 65-95 50-85 40-75 30-60 20-45 15-37 4-15 >30 onsultante Contractor BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. ZHONGHENG CONSTRUCTION GROUP IN NERNATIONAL ENGINEERING CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, CO. LTD KATHMANDU, NEPAL (or adham Checked By Verified By Submitted By Approved By Engineer Contract Manager Expert Qty Surveyor/CSE Team Leader Pushpak Pradhan H.K. Mandal Giresh Chand Rabindra Kr. Thakur



### REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report Month: February Year 2019 Type of Location :-R-85 Sub-base Material Sieve Size in mm / passing % By Weight Location of Lab.Ref no. Source of Sample Date of Testing OMC P1% CBR% Sn. MDD Remarks Sample 63.0 37.5 0.075 20.0 5.0 2.36 1.18 10.0 RUDP-SB-01 R-85,(0+100) Chisang Khola 2-Feb-19 100 85.24 67.49 53.58 38.60 33.99 17.46 8.00 2.205 5.40 1.13 51.80 Spec. Limit: 100 65-95 50-85 40-75 30-60 20-45 15-37 4-15 >30 o Consultant Contractor BUILDING DESIGN AUTHORITY BUILDING OF THE WITH B.N. CONSULTANCY ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING COLLTD PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL Verified By Checked By Submitted By Approved By Engineer Contract Manager Expert Qty Surveyor/CSE Team Leader Pushpak Pradhan H.K. Mandal Rabindra Kr. Thakur Giresh Chand



			REGIO	Bir Con	atna itraci	N D gar No:-	Netr	opoli P/IC	tan B/BR	City RT-02		PRC	)JE(				
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		Location of		PS - PPP - 1		Sieve	Size in	mm/p	assing 6	% By W	eight		1.000	0110	DIO.	cappe.	
Sn.	Lab.Ref no.	Sample	Source of Sample	Date of Testing	63.0	37.5	20.0	10.0	5.0	2.36	1.18	0.075	MDD	OMC	P1%	CBR%	Remarks
1	RUDP-SB-01	R-90,(0+390)	Chisang Khola	15-Feb-19	100	87.26	71.99	53.59	43.72	35.12	18.28	11.83	2.225	5.90	2.06	47.20	
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nish	pak Pradhan			bindra Kr. Thak				Man							Gire	sh Char	nd



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					Loca	ation	:-R-	33						Type Mate			Sub-base
	1-2-22	Location of				Sieve	Size in	mm/p	assing 5	% By W	/eight		1.				
Sn.	Lab.Ref no.	Sample	Source of Sample	Date of Testing	63.0	37.5	20.0	10.0	5.0	2.36	1.18	0.075	MDD	OMC	P1%	CBR%	Remarks
1	RUDP-SB-01	R-33,(0+090)	Chisang Khola	3-Feb-19	100	88.74	73.19	53.92	41.77	35.07	16.86	12.46	2.228	5.80	1.82	46.00	
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				Spec. Limit :	100	65~95	50~85	40-75	30~60	20-45	15-37	4~15		-	<6	>30	>
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-	V. 1600		RING CO. LTD	0		P	VT. LT	D AND	PLUS	ENGI	NEERS	& ARC	нитес	тѕ (Р) 1	TD, F	CATHMA	ANDU, NEPAL
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	Engineer		C	ontract Manage	er			Qty St	-	r/CSE						m Leade	
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			REGIO	Co	ntrac	N Dagar	- RUI	ropo DP/IC	litan CB/B	City	J	PRO	OJE	СТ			i
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		Location of			Loc									Mate			Sub-base
Sn.	Lab.Ref no.	Sample	Source of Sample	Date of Testing		1	Size in	mm/p	passing	% By V	Veight						
1	RUDP-SB-01				63.0	37.5	20.0	10.0	5.0	2.36	1.18	0.075	MDD	OMC	PI%	CBR%	Remarks
2	RUDP-SB-02	R-45,(0+105)	Chisang Khola	3-Feb-19	100	90.68	74.22	56.62	46.69	40.99	16.54	5.69					
-		R-45,(0+210)	Chisang Khola	3-Feb-19	100	88.92	74.45		46.83	39.96	18.29	6.66	2.220	5.95	1,80	_47.00	
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				Spec. Limit :	100   6	5~95 5	0~85 4	0~75 3	0-60 2	0~45 1	5~37	1~15		<	6 >	30	*
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7	HONGHENG	145 A UTI-020	Mari						-		15	Consul	tant	1			
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	gineer			bmitted By			Verifi	ed By						*****			••••
	k Pradhan		Cont	ract Manager		Exp	pert Qt	y Surve	eyor/C	SE						ved By	
_			Rabin	dra Kr. Thakur			H.K. N	/landal	1	100						Leader Chand	



#### REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report Month: February Year 2019 Type of Location :-R-84 Sub-base Material Sieve Size in mm / passing % By Weight Location of Sn. Lab.Ref no. Source of Sample Date of Testing MDD OMC P1% CBR% Remarks Sample 2.36 63.0 37.5 20.0 0.075 10.0 5.0 1.18 RUDP-SB-01 R-84,(0+090) Chisang Khola 1-Feb-19 88.59 69.16 100 43.67 31.47 25.24 6.23 2.232 5.00 1.10 48.00 RUDP-SB-01 R-84,(0+200) Chisang Khola 1-Feb-19 100 90.17 70.37 45.85 34,47 25.13 19.11 7.43 1.16 Spec. Limit: 100 | 65~95 | 50~85 | 40~75 | 30~60 | 20~45 | 15~37 | 4~15 Contractor Consultant ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL BUILDING DESIGN AUTHORITY (PLICENT MENTURE WITH B.N. CONSULTANCY ENGINEERING CO. LTD PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL Checked By Verified By Approved By Engineer Contract Manager Expert Qty Surveyor/CSE Team Leader Pushpak Pradhan Rabindra Kr. Thakur H.K. Mandal Giresh Chand



			REGION	Bira Cont	tnag ract	ar M No:- F	etro	polit P/ICE	an C	City Γ-02							
														Mon	-		February
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				L	ocat	ion :								Mate	rial		Sub-base
Sn.	Lab.Ref no.	Location of Sample	Source of Sample	Date of Testing	63.0	37.5	20.0	mm / p	5.0	2.36	1.18	0.075	MDD	OMC	PI%	CBR%	Remarks
1	RUDP-SB-01	T3L39A,(0+Q40)	Chisang Khola	11-Feb-19	100	88.89	69.30	52.66	41.50	32.31	17.86	9.19	2.220	5.75	1.17	49.80	
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				Spec. Limit :	100	65~95	50~85	40~75	30~60	20~45	15~37	4~15			<6	>30	
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-		CONI	ractor				_	_			-	Const	iltant	10			
	ZHONGHEN	GONSTRUCTI	ON GROUP INTI	ERNATIONAL		BUILD PV	ING D	ESIGN AND	AUTH PLUS I	ORITY	(P) L	ARCI	HIPECT	S (PH	RE WI	TH B.N.	CONSULTANO NDU, NEPAL
	Vadhan			0			Man	Joseph				* Bira	tnagar 4	· Mill	0	R	
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	Engineer			ontract Manage				Qty Su		/CSE						m Leader	
Bearing.	pak Pradhan		Ra	bindra Kr. Thak	or		HK	(Man	lat						Gires	sh Chan	d



			REGIO	Bir Con	atna tract	gar I No:- Sheet	Netr	opol P/IC	itan B/BF	City T-02							
					21.30.0	-			-					Mon	ith:		February
														Ye			2019
				1	Loca	tion :	-T3	L21						Mate			Sub-base
		Location of				Sieve	Size in	mm / p	assing '	% By W	/eight			U. m.		la vial	
Sn.	Lab.Ref no.	Sample	Source of Sample	Date of Testing	63.0	37.5	20.0	10.0	5.0	2.36	1.18	0.075	MDD	OMC	P1%	CBR%	Remarks
1	RUDP-SB-01	T3L21,(0+100)	Chisang Khola	10-Feb-19	100	91.87	75.70	58.22	38.25	25.23	16.80	9.16			NP		
2	RUDP-SB-02	T3L21,(0+200)	Chisang Khola	10-Feb-19	100	90.04	72.94	58.62	39.74	30.60	18.74	8.74			1.32		
3	RUDP-SB-03	T3L21,(0+300)	The second secon	10-Feb-19	100	89.66	70.06	57.84	37.53	28.02	15.85	7.09	2,225	6.20	1.11	44.60	
4	RUDP-SB-04	T3L21,(0+400)	Chisang Khola	10-Feb-19	100	88.30	66.11	52.59	35.36	27.00	19.04	7.89			NP		
5	RUDP-SB-05	T3L21,(0+500)	Chisang Khola	10-Feb-19	100	86,33	67.38	56.22	33.48	23.55	18.91	9.36			1,17		
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+			100														
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				Spec. Limit :	100	65~95	50~85	40~75	30~60	20~45	15~37	4~15			<6	>30	
		Cor	ntractor								(3)	Cons	sultant				
	ZHONGHENG	ENGINEEL	TION GROUP INT	ERNATIONAL		BUILI	DING I	DESIGI D AND	PLUS	HORIT	VIETE S		18	VENTU IS (P) I	RE W	KATHM	. CONSULTANC ANDU, NEPAL
6	Vadhan	-		f			Щ	and .	4			Biraina	gar *			0	
	hecked By			Submitted By				rified								roved E	
	Engineer pak Pradhan			ontract Manage bindra Kr. Thak				Qty S	urveyo	r/CSE						ım Leade esh Char	



			REGIO	Bir Cor	atna	gar No:-	Netr	opoli P/IC	itan B/BF	City RT-02		PRC	)JE(	I			
														Mor			February
				1		tion :	T21	22						Type	e of		2019 Sub-base
		1.			Loca				assing (	% By W	/eight	-		Mate	Tim		
Sn.	Lab.Ref no.	Location of Sample	Source of Sample	Date of Testing	63.0	37.5	20.0	10.0	5.0	2.36	1.18	0.075	MDD	OMC	PI%	CBR%	Remarks
1	RUDP-SB-01	T3L23,(0+150)	Chisang Khola	9-Feb-19	100	91.37	74.73	54.69	44.06	32,41	16.91	9.39	2.228	6.50	1.58	46.00	
2	RUDP-SB-02	T3L23,(0+300)	Chisang Khola	9-Feb-19	100	90.66	76.85	54.08	42.34	36.21	26.31	6.51			1.22		
-																7	
		/															
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_				Spec. Limit :	100	65~95	50~85	40~75	30~60	20~45	15~37	4~15			<6	>30	
												The state of					
											(00)	Authoria	1				
_		CO.110 (0)	Tractor		-			_	-		3/	Cons	ultant	lei lei	_		
	ZHONGHEN		TION GROUP INT	ERNATIONAL		BUILI	OING I	DESIGN D AND	PLUS	HORIT	EFRS	& ARC	HITTE	VENTU SS (P) I	RE W	TTH B.N.	CONSULTAN
60	Yadhan			a		,	Ma	Dy	0			atnaga			2	7	
C	hecked By			Submitted By			/	rified								roved E	
	Engineer			ontract Manag	***		Expert			r/CSE						m Leade	
ush	pak Pradhan		Ra	ibindra Kr. Thak	cur		H.F	<. Man	dal						Gire	sh Char	id



			R	EGIO	NA	B	iratna ontrac	igar N et No: 1	Aetro RUDP	polita /ICB/E	n Cit	y	PRO	OJE	CT						
						Sum	mary S	Sheet o	f Mon	thly T	est Re	port				Mo	nth		Feb	ruary	
																Ye	ear			019	
						Loc	ation	:-R-	84							Type of	Material		В	ase	
s.N.	Lab.Ref no.	Location of	Source of Sample	Date of		S	ieve Size	in mm /	% passin	g By We	ight		Lunn	омс	PI%	L.A.A.	Fl and El %	A.I.V.	on as	CBR	
14	Lab, Kei no.	Sample	Source of Sample	Testing	40	31.5	20	10	4.75	2.36	0.6	0.075	MDD	OMC	P1%	%	Fl and El %	%	CR %	%	Remai
1	RUDP-B-01	R-84,(0+150)	Chisang Khola	13-Feb-19	100	88.10	64.67	50.27	38.35	26.49	18.81	7.47	2.240	5.70	NP	34.90	23.30/19.93	22.54	86.69	89.15	
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							133														
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				pec. Limit :	100	95 100	67.92	40.70	76.55	21.53	12 20	2.10				< 45	< 35	< 35	>80	>80	
				pec. Limit :	1100	103-100	02-92	40-70	20-33	21-33	12-20	2-10			-11	10rity	- 35	< 33	>80	>80	
			Contra	ctor										1.0	n Co	nsult	int				
ZI	IONGHEN	G'CONSTRU	CTION GROU			IONAI	ENG	INEEI	RING			CONSI	ULTA	NEY	PVII.	LITP	AND PLU ATHMAN	SEN	GINE	ERS &	
		neer				C		Manage Kr. Thal		Ex	pert Qt	rified I	eyor/CS	SE .	Birati	agar 4			Appro Team Giresh	ved B Leade	y



			R	EGIO	NA	В	iratna ontrac	igar N et No: 1	Aetro RUDP	polita /ICB/I	PME in Cit BRT-02 est Rep	y	PRO	OJE	CT						
										-							nth			ruary	
																	ar			019	
					_		CONTRACTOR CO.	:-R-								Type of	Material		В	ase	
N.	Lab.Ref no.	Location of Sample	Source of Sample	Date of Testing	40			in mm /		T			MDD	OMC	PI%	L.A.A.	Fl and El %	A.I.V.	CR %	CBR	Remark
1	RUDP-B-01	R-63,(0+300)	Chisang Khola	15-Feb-19	100	31.5 91.58	65,63	10	4.75 39.31	2.36	0.6	0.075	2.239	5.40	NID		21.24/19.45	%	00.50		
-	KODI-D-01	K-03,(0+300)	Cinsang Khota	13-1-60-19	100	91,36	03.03	49.42	39.31	31.00	14.55	3.93	2.239	5.40	NP	31.70	21.24/19.45	26.91	82.58	82.00	
							100														
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	-																				
																				-	
			S	pec. Limit :	100	85-100	62-92	40-70	26-55	21-53	12-28	2-10				< 45	< 35	< 35	>80	>80	
			Contra	ctor		-								_	er	nsulta	nt	_	-	-	-
ZH	IONGHEN	G CONSTRU		PINTER	NAT	IONAL	ENG	INEEF	RING	BUIL	B.N. C	CONSI	ULTA	NCV	RIT PYT.	Y (P)	AND PLU	SEN	GINE	URE ERS &	WITH
	Check Engin	neer	dillin			C	Submit ontract	Manage		Ex	pert Qt	rified I	yor/CS	SE SE	raina	gar *			Appro Team	ved B	y



			R	EGIO	NA	Bi	iratna	N DI gar M t No: I	Ietro	polita	n City	y	PRO	ЭJE	CT						
						Sumi	mary S	Sheet o	f Mon	thly To	est Rer	ort				Mo	onth		Uah	ruary	
																_	ear			019	
						Too		-R-1	02							Type of	Material		В	ase	
-			1					in mm /		a By We	inht									I	
S.N.	Lab.Ref no.	Location of Sample	Source of Sample	Date of Testing	40	31.5	20	10	4.75	2.36	0.6	0.075	MDD	омс	PI%	L.A.A.	Fl and El %	ALV.	CR %	CBR	Remark
1	RUDP-B-01	R-183,(0+120)	Chisang Khola	10-Feb-19	100	98.75	72.80	60.28	39.24	27.99	13.41	6.21	2.266	5.25	NP	30.80	22.56/18.33	23.68	84.38	88.20	
1	RUDP-B-02	R-183,(0+200)	Chisang Khola	10-Feb-19	100	89.64	63.76	52.92	34.32	23.93	17.32	5.67			NP	27.90		22.81	86.97		
	7,70,000			100000000000000000000000000000000000000			3550														
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			S	pec. Limit :	100	85-100	62-92	40-70	26-55	21-53	12-28	2-10				< 45	< 35	<35	>80	>80	
					1.200															-	
			Contra	ctor											e	nsult	ant				
ZI	IONGHEN	G CONSTRU	CTION GROU		NAT	IONAI	L ENG	INEE	RING	BUIJ.		CONS	ULTA	NCY/	PVT.	LTD	AND PLI ATHMAN	IS EN	GINE	ERS	
	P/a	dhan	10 101	100				R			More	ey.		18 *	Biratu	agar *	NIE S		R		
	Check	ed By					Submi	tted By			Ve	rified	Ву						Appro		
	Engi	neer						Manag		E:	xpert Q			SE					Team		
	Pushpak	Pradhan				Ra	bindra	Kr. Tha	kur		H.I	K. Man	dal						Giresh	Char	d



			R	EGIO	NA	B	iratna ontrac	N D gar N t No: I	1etro RUDP	polita /ICB/E	n City	y	PRO	OJE	CT						
																	nth			ruary	
																	ar			019	
								:-R-								Type of	Material		В	ase	
s.N.	Lab.Ref no.	Location of Sample	Source of Sample	Date of	-	1		in mm /	_	T			MDD	омс	PI%	L.A.A.	FI and El %	A.I.V.	CR %	CBR	Remark
1	RUDP-B-01		Chinese Mhale	7esting 9-Feb-19	100	31.5 88.06	20	10	4.75	2.36	0.6	0.075	2210	5.10	100		21 25/12 15	%		%	
1	KUDP-B-01	R-85,(0+100)	Chisang Khola	9-Feb-19	100	88.06	65.51	50.26	36.25	27.39	15.87	3.92	2.248	5.40	NP	33.50	21.25/17.45	25.03	84.44	82.00	
										-											
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													-		17						-
							0.00														
			S	pec. Limit :	100	85-100	62-92	40-70	26-55	21-53	12-28	2-10				< 45	< 35	< 35	>80	>80	
			Contra	etor											60	mstill	Osir	-		_	
ZH	IONGHENO	G CONSTRU	CTION GROU	PINTER	NAT.	IONAI	L ENG	INEEI	RING	BUIL	B.N. C	CONSI	ULTA	NCY.	RVT.	Y (P)	LTD IN JO AND PLU THMAN	SEN	GINE	URE ERS &	WITE &
	OYOO Checke Engir Pushpak I	neer				C	ontract	tted By Manage		Ex	pert Qt	rified I	eyor/CS	SE.	*dir	Inager	* Mr SS		Appro Team Giresh	ved B Leade	r



			R	EGIO	NA	В	iratna ontrac	N D agar N et No: 1	Aetro RUDP	polita /ICB/E	n Cit	y	PRO	OJE	CT	2.					
						Dun		Jucci		, 1	List ree	3011				Mo	nth		Feb	ruary	
																	ear			019	
						Loc	ation	:-R-	12							Type of	Material		В	ase	
						1990/07/	1000 1000 1000 1000	in mm /	7.75	g By We	ight	-									
S.N.	Lab.Ref no.	Location of Sample	Source of Sample	Date of Testing	40	31.5	20	10	4.75	2.36	0.6	0.075	MDD	OMC	PI%	L.A.A.	Fl and El %	A.I.V.	CR %	CBR	Remark
1	RUDP-B-01	R-12,(0+480)	Chisang Khola	13-Feb-19	100	92.98	71.27	50.91	31.73	25.65	13.50	5.50			NP	29.92	22.75/18.94	25.88	83.84		
2	RUDP-B-02	R-12,(0+600)	Chisang Khola	13-Feb-19	100	89.91	65.60	50.44	36.32	30.42	13.83	4.50	2.247	5.75	NP	32.10	23.49/19.17	26.80	85.06	83.00	
3	RUDP-B-03	R-12,(0+700)	Chisang Khola	13-Feb-19	100	89.25	66.78	54.81	43.97	34.95	17.14	6,35			NP	32.70	20.88/17.02	24.97	88.99		
4	RUDP-B-04	R-12,(0+800)	Chisang Khola	13-Feb-19	100	91.94	66.31	50.80	40.15	33.67	14.86	6.11			NP	35.00	21.26/17.02	22.59	87.48		
																	9				
					-										-				-	/	
																	/		/		-
			S	pec. Limit :	100	85-100	62-92	40-70	26-55	21-53	12-28	2-10				< 45	<35	< 35	>80	>80	
-			Contro	etor	-										(ch)	nsult	Pho	-		_	
ZI	IONGHEN	G CONSTRU	CVION GROUCO, L	PINTER	NAT	IONAI	L ENG	INEEI	RING	BUIL	DING B.N. C	CONS	ULTA	NCY	RIT PVT.	Y (P)	LTD IN JO AND PLU ATHMAN	SEN	GINE	URE ERS &	WITH
	May Check Engir Pushpak	neer				C	ontract	tted By Manag Kr. Tha		E	epert Qt	rified I	eyor/CS	SE	10 + 6	Piratna	gar * E		Appro Team Giresh	ved B	r



			R	EGIO	NA	В	iratna ontra	N D ngar N et No: 1	Aetro RUDP	polita /ICB/E	n Cit	y 2	PRO	OJE	CT						
																	onth			ruary	
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					_			:-R-								Type of	Material	-	В	ase	
s.N.	Lab.Ref no.	Location of Sample	Source of Sample	Date of			1	in mm /	1	T		Tarra I	MDD	OMC	PI%	L.A.A.	Fl and El %	ALV.	CR %	CBR	Remark
	RUDP-B-01	R-87,(0+080)	- CI - 101 -1	Testing 10-Feb-19	40	31.5 93.17	71.22	10 55.53	4.75	2.36	0.6	0.075		-		%		%	100	%	
1	KUDF-B-UI	10-87,(0+080)	Chisang Khola	10-Feb-19	100	93.17	71.22	33.33	41.57	32.01	21.76	7.36	2.243	5.80	NP	32.10	22.44/19.69	23.51	81.75	82.00	
					1					1									-		
					-																
													_								
			100															17.			
			S	pec. Limit :	100	85-100	62-92	40-70	26-55	21-53	12-28	2-10				< 45	< 35	< 35	>80	>80	
			Contra	ctor				-				-			Co	neults	ant	_		-	
ZH	ONGHENO	G CONSTRU		P INTERI		ONAI	ENG	INEEI	RING	BUIL	DING B.N. C	CONSI	ULTA	NCY	PVT.	LTD	ent ETD IN JO AND PLU ETH MANI	SEN	GINEE	RS &	WITH
	Checke Engir	neer				C		Manag		Ex	pert Qt	rified I	yor/Cs	SE	10 * 1	Biratna	981		Appro Team Giresh	ved B Leade	y



Month

### REGIONAL URBAN DEVELOPMENT PROJECT

Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02

Summary Sheet of Monthly Test Report of 20mm Agg.

JDP-CA-256 JDP-CA-257 JDP-CA-258 JDP-CA-258	Date of Testing 2-Feb-19 3-Feb-19 4-Feb-19	Location of Sample T3L6 DDC Yard	Source of Sample Chisang Khola	Sieve S 37.5	ize in mm	/ % Pas	sing by	veight	Type of M		20 mm	
UDP-CA-256 UDP-CA-257 UDP-CA-258 UDP-CA-259	2-Feb-19 3-Feb-19 4-Feb-19	Sample T31.6	11			/ % Pas	sing by	veight		The second second	10000000	
UDP-CA-256 UDP-CA-257 UDP-CA-258 UDP-CA-259	2-Feb-19 3-Feb-19 4-Feb-19	T3L6	11	37.5	20					Fl and El %	A.I.V.%	Remarks
JDP-CA-258 JDP-CA-259	3-Feb-19 4-Feb-19		Chisang Khola		20	14	10	5	L.A.A.%	Franci Et 70	73.L. y 70	Kemarks
JDP-CA-258 JDP-CA-259	4-Feb-19	DDC Yard		100,00	97.46	63.88	19.63	2.49	26.10 €	18.52/17.71	19.28	
JDP-CA-259	The second secon		Chisang Khola	100,00	97.33	50.39	15.66	1.63	24.92	19.25/18.37	20.20	
		T2L24E	Chisang Khola	100.00	95.80	56.45	17.35	1.67	26.02	18.79/17.95	19,53	
TDD CA 260	5-Feb-19	R-84	Chisang Khola	100,00	94.43	59.88	17.06	1.69	28.80	18.45/16.63	22.11	
JDP-CA-260	6-Feb-19	TIL5A	Chisang Khola	100,00	94.68	63.51	9.22	1.38	27.50	/8.52/17.69	22.94	
JDP-CA-261	7-Feb-19	T31.13K	Chisang Khola	100.00	97.57	57.13	13.68	2.43	25.04	17.69/16.73	21.80	
JDP-CA-262	8-Feb-19	T3L23	Chisang Khola	100,00	95.37	48.94	11,34	2.02	30.10	17.32/16.26	17.54	
JDP-CA-263	8-Feb-19	T3L23	Chisang Khola	100.00	95.37	48.94	11.34	2.02	32.10	21.92/17.90	20.27	-
JDP-CA-264	13-Feb-19	Koshi-yard	Chisang Khola	100.00	96.89	46.23	7.56	2.12	26.10	21.80/16.87	21,45	
JDP-CA-265	15-Feb-19	T3L11N	Chisang Khola	100.00	95.40	49.58	17.53	1.87	27.50	23.74/18.30	19,93	
JDP-CA-266	16-Feb-19	R-84	Chisang Khola	100.00	96.44	39.68	5.65	1.30	28.20	19.87/16.70	19.84	
JDP-CA-267	19-Feb-19	R-106	Chisang Khola	100.00	95.68	34.34	4.92	1.81	26.96	17.53/13.53	18.80	
JDP-CA-268	20-Feb-19	R-2	Chisang Khola	100.00	96.18	30.91	5.14	2.97	24.70	19.00/17.47	17.94	
JDP-CA-269	21-Feb-19	CN2CN3	Chisang Khola	100.00	95.58	22.68	3.22	1.37	26.82	18.01/16.33	18.94	
JDP-CA-270	22-Feb-19	Madhumara-yard	Chisang Khola	00.001	96.82	28.49	2.92	1.07	28.24	18.72/16.98	20.16	
JDP-CA-271	22-Feb-19	TIL5A	Chisang Khola	100.00	95.81	29.14	3.68	1.84	30.24	17.96/16.33	19.58	
JDP-CA-272	22-Feb-19	DDC Yard	Chisang Khola	100.00	96.16	30.48	3.57	1.54	23.08	19.99/16.45	21.74	
JDP-CA-273	23-Feb-19	T3L6A	Chisang Khola	100.00	95.61	30.21	3.34	1.41	24,24	20.04/16.61	21.17	
JDP-CA-274	23-Feb-19	T3L23	Chisang Khola	100.00	96.39	30.12	3.47	1.16	26.10	19.80/17.18	21.77	
			Spec. Limit :	100	85~100	0~70	0~25				< 25	
フリフリフリ	DP-CA-264 DP-CA-265 DP-CA-266 DP-CA-267 DP-CA-269 DP-CA-270 DP-CA-271 DP-CA-272 DP-CA-272	DP-CA-264 13-Feb-19 DP-CA-265 15-Feb-19 DP-CA-266 16-Feb-19 DP-CA-267 19-Feb-19 DP-CA-268 20-Feb-19 DP-CA-269 21-Feb-19 DP-CA-270 22-Feb-19 DP-CA-271 22-Feb-19 DP-CA-272 22-Feb-19 DP-CA-273 23-Feb-19	DP-CA-264   13-Feb-19   Koshi-yard     DP-CA-265   15-Feb-19   T3L11N     DP-CA-266   16-Feb-19   R-84     DP-CA-267   19-Feb-19   R-106     DP-CA-268   20-Feb-19   R-2     DP-CA-269   21-Feb-19   CN2CN3     DP-CA-270   22-Feb-19   Madhumara-yard     DP-CA-271   22-Feb-19   T1L5A     DP-CA-272   22-Feb-19   DDC Yard     DP-CA-273   23-Feb-19   T3L6A	DP-CA-264   13-Feb-19   Koshi-yard   Chisang Khola   DP-CA-265   15-Feb-19   T3L11N   Chisang Khola   DP-CA-266   16-Feb-19   R-84   Chisang Khola   DP-CA-267   19-Feb-19   R-106   Chisang Khola   DP-CA-268   20-Feb-19   R-2   Chisang Khola   DP-CA-269   21-Feb-19   CN2CN3   Chisang Khola   DP-CA-270   22-Feb-19   Madhumara-yard   Chisang Khola   DP-CA-271   22-Feb-19   T1L5A   Chisang Khola   DP-CA-272   22-Feb-19   DDC Yard   Chisang Khola   DP-CA-273   23-Feb-19   T3L6A   Chisang Khola   DP-CA-274   23-Feb-19   T3L23   Chisang Khola   DP-CA-274   Chisang Khola   DP-CA-274   Chisang Khola   DP-CA-274   Chisang Khola   Chisang Khola   DP-CA-274   Chisang Khola   Chisang Khola   DP-CA-274   Chisang Khola   DP-CA-274   Chisang Khola   Chisang Khola   DP-CA-274	DP-CA-264   13-Feb-19   Koshi-yard   Chisang Khola   100.00     DP-CA-265   15-Feb-19   T3L11N   Chisang Khola   100.00     DP-CA-266   16-Feb-19   R-84   Chisang Khola   100.00     DP-CA-267   19-Feb-19   R-106   Chisang Khola   100.00     DP-CA-268   20-Feb-19   R-2   Chisang Khola   100.00     DP-CA-269   21-Feb-19   CN2CN3   Chisang Khola   100.00     DP-CA-270   22-Feb-19   Madhumara-yard   Chisang Khola   100.00     DP-CA-271   22-Feb-19   T1L5A   Chisang Khola   100.00     DP-CA-272   22-Feb-19   DDC Yard   Chisang Khola   100.00     DP-CA-273   23-Feb-19   T3L6A   Chisang Khola   100.00     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00     DP-CA-274   23-Feb-19	DP-CA-264   13-Feb-19   Koshi-yard   Chisang Khola   100.00   96.89	DP-CA-264   13-Feb-19   Koshi-yard   Chisang Khola   100.00   96.89   46.23	DP-CA-264   13-Feb-19   Koshi-yard   Chisang Khola   100.00   96.89   46.23   7.56     DP-CA-265   15-Feb-19   T3L11N   Chisang Khola   100.00   95.40   49.58   17.53     DP-CA-266   16-Feb-19   R-84   Chisang Khola   100.00   96.44   39.68   5.65     DP-CA-267   19-Feb-19   R-106   Chisang Khola   100.00   95.68   34.34   4.92     DP-CA-268   20-Feb-19   R-2   Chisang Khola   100.00   96.18   30.91   5.14     DP-CA-269   21-Feb-19   CN2CN3   Chisang Khola   100.00   95.58   22.68   3.22     DP-CA-270   22-Feb-19   Madhumara-yard   Chisang Khola   100.00   96.82   28.49   2.92     DP-CA-271   22-Feb-19   T1L5A   Chisang Khola   100.00   95.81   29.14   3.68     DP-CA-272   22-Feb-19   DDC Yard   Chisang Khola   100.00   96.16   30.48   3.57     DP-CA-273   23-Feb-19   T3L6A   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96	DP-CA-264   13-Feb-19   Koshi-yard   Chisang Khola   100.00   96.89   46.23   7.56   2.12   DP-CA-265   15-Feb-19   T3L11N   Chisang Khola   100.00   95.40   49.58   17.53   1.87   DP-CA-266   16-Feb-19   R-84   Chisang Khola   100.00   96.44   39.68   5.65   1.30   DP-CA-267   19-Feb-19   R-106   Chisang Khola   100.00   95.68   34.34   4.92   1.81   DP-CA-268   20-Feb-19   R-2   Chisang Khola   100.00   96.18   30.91   5.14   2.97   DP-CA-269   21-Feb-19   CN2CN3   Chisang Khola   100.00   95.58   22.68   3.22   1.37   DP-CA-270   22-Feb-19   Madhumara-yard   Chisang Khola   100.00   96.82   28.49   2.92   1.07   DP-CA-271   22-Feb-19   T1L5A   Chisang Khola   100.00   95.81   29.14   3.68   1.84   DP-CA-272   22-Feb-19   DDC Yard   Chisang Khola   100.00   96.16   30.48   3.57   1.54   DP-CA-273   23-Feb-19   T3L6A   Chisang Khola   100.00   96.39   30.12   3.47   1.16   DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   DP-CA-274   23-Feb-19   T3	DP-CA-264   13-Feb-19   Koshi-yard   Chisang Khola   100.00   96.89   46.23   7.56   2.12   26.10     DP-CA-265   15-Feb-19   T3L11N   Chisang Khola   100.00   95.40   49.58   17.53   1.87   27.50     DP-CA-266   16-Feb-19   R-84   Chisang Khola   100.00   96.44   39.68   5.65   1.30   28.20     DP-CA-267   19-Feb-19   R-106   Chisang Khola   100.00   95.68   34.34   4.92   1.81   26.96     DP-CA-268   20-Feb-19   R-2   Chisang Khola   100.00   96.18   30.91   5.14   2.97   24.70     DP-CA-269   21-Feb-19   CN2CN3   Chisang Khola   100.00   95.58   22.68   3.22   1.37   26.82     DP-CA-270   22-Feb-19   Madhumara-yard   Chisang Khola   100.00   96.82   28.49   2.92   1.07   28.24     DP-CA-271   22-Feb-19   T1L5A   Chisang Khola   100.00   95.81   29.14   3.68   1.84   30.24     DP-CA-272   22-Feb-19   DDC Yard   Chisang Khola   100.00   95.61   30.48   3.57   1.54   23.08     DP-CA-273   23-Feb-19   T3L6A   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10	DP-CA-264   13-Feb-19   Koshi-yard   Chisang Khola   100.00   96.89   46.23   7.56   2.12   26.10   21.80/16.87     DP-CA-265   15-Feb-19   T3L1IN   Chisang Khola   100.00   95.40   49.58   17.53   1.87   27.50   23.74/18.30     DP-CA-266   16-Feb-19   R-84   Chisang Khola   100.00   96.44   39.68   5.65   1.30   28.20   19.87/16.70     DP-CA-267   19-Feb-19   R-106   Chisang Khola   100.00   95.68   34.34   4.92   1.81   26.96   17.53/13.53     DP-CA-268   20-Feb-19   R-2   Chisang Khola   100.00   96.18   30.91   5.14   2.97   24.70   19.00/17.47     DP-CA-269   21-Feb-19   CN2CN3   Chisang Khola   100.00   95.58   22.68   3.22   1.37   26.82   18.01/16.33     DP-CA-270   22-Feb-19   Madhumara-yard   Chisang Khola   100.00   96.82   28.49   2.92   1.07   28.24   18.72/16.98     DP-CA-271   22-Feb-19   T1L5A   Chisang Khola   100.00   95.81   29.14   3.68   1.84   30.24   17.96/16.33     DP-CA-272   22-Feb-19   DDC Yard   Chisang Khola   100.00   96.16   30.48   3.57   1.54   23.08   19.99/16.45     DP-CA-273   23-Feb-19   T3L6A   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10   19.80/17.18     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10   19.80/17.18     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10   19.80/17.18     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10   19.80/17.18     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10   19.80/17.18     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10   19.80/17.18     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10   19.80/17.18     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10   19.80/17.18     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10   19.80/17.18     DP-CA-274   23-Feb-19   T3L23	DP-CA-264   13-Feb-19   Koshi-yard   Chisang Khola   100.00   96.89   46.23   7.56   2.12   26.10   21.80/16.87   21.45     DP-CA-265   15-Feb-19   T3L1IN   Chisang Khola   100.00   95.40   49.58   17.53   1.87   27.50   23.74/18.30   19.93     DP-CA-266   16-Feb-19   R-84   Chisang Khola   100.00   96.44   39.68   5.65   1.30   28.20   19.87/16.70   19.84     DP-CA-267   19-Feb-19   R-106   Chisang Khola   100.00   95.68   34.34   4.92   1.81   26.96   17.53/13.53   18.80     DP-CA-268   20-Feb-19   R-2   Chisang Khola   100.00   96.18   30.91   5.14   2.97   24.70   19.00/17.47   17.94     DP-CA-269   21-Feb-19   CN2CN3   Chisang Khola   100.00   95.58   22.68   3.22   1.37   26.82   18.01/16.33   18.94     DP-CA-270   22-Feb-19   Madhumara-yard   Chisang Khola   100.00   96.82   28.49   2.92   1.07   28.24   18.72/16.98   20.16     DP-CA-271   22-Feb-19   DDC Yard   Chisang Khola   100.00   95.61   30.48   3.57   1.54   23.08   19.99/16.45   21.74     DP-CA-273   23-Feb-19   T3L6A   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10   19.80/17.18   21.77     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10   19.80/17.18   21.77     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10   19.80/17.18   21.77     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10   19.80/17.18   21.77     DP-CA-274   23-Feb-19   T3L23   Chisang Khola   100.00   96.39   30.12   3.47   1.16   26.10   19.80/17.18   21.77

Contractor

ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD

Consultant

BUILDING DESIGN AUTHORITY P LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LED AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL

Checked By Engineer Pushpak Pradhan

voadhan

Submitted By Contract Manager Rabindra K. Thakur

Verified By Expert Qty Surveyor/CSE

H.K. Mandal

Approved By Team Leader

February

Giresh Chand



Month

### REGIONAL URBAN DEVELOPMENT PROJECT

Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02

Summary Sheet of Monthly Test Report of 20mm Agg.

										Yea	ar		201	9
										Type of N	Material		20 mm	Agg
S.n.	Lab.Ref no.	Date of Testing	Location of	Causes of Causels	Sieve S	ize in mm	/ % Pas	ssing by	weight	1 4 4 00	Ci and C	1.0/	4 X X 0/	
5.11.	Lab.Rei no.	Date of Testing	Sample	Source of Sample	37.5	20	14	10	5	L.A.A.%	Fl and E	1 %	A.I.V.%	Remarks
20	RUDP-CA-275	24-Feb-19	Koshi-yard	Chisang Khola	100.00	95.92	32.06	5.17	2.31	24.10	19,30/16	5.77	21.95	
21	RUDP-CA-276	26-Feb-19	T3L6	Chisang Khola	100.00	96.26	42.11	4.92	2.39	26.82	-21,24/10	5.19	20.84	
22	RUDP-CA-277	26-Feb-19	T31.23A	Chisang Khola	100.00	97.17	46.09	6.60	2.43	22.82	21.31/16	5.25	21.26	
23	RUDP-CA-278	26-Feb-19	T2L24G	Chisang Khola	100.00	97.62	43.49	6.23	2.04	27.90	20.12/16	5.01	20.80	
24	RUDP-CA-279	27-Feb-19	T2L19B	Chisang Khola	100.00	96.71	51.00	5.97	2.68	20.30	18.55/17	7.58	18.70	
25	RUDP-CA-280	28-Feb-19	T2L24E	Chisang Khola	100.00	94.04	46.79	4.42	2.37	25.02	19.28/10	5.88	19.12	
26	RUDP-CA-281	28-Feb-19	R-2	Chisang Khola	100.00	92.95	52.03	5.31	2.82	22.70	20.17/17	7.88	21.05	
-														
				Spec. Limit :	100	85~100	0~70	0~25	0~5	<35	< 25		< 25	

Contractor

ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD

BUILDING DESIGN AUTHORITY PLTD IN JOINT VENTURE WITH B.N. CONSULTANCY BYTELTS AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KAPHMANDU, NEPAL

tho Consultant

Checked By

Engineer Pushpak Pradhan Submitted By Contract Manager Rabindra K. Thakur Verified By

Expert Qty Surveyor/CSE ILK, Mandal Approved By Team Leader

Giresh Chand

February



### REGIONAL URBAN DEVELOPMENT PROJECT

Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02

Summary Sheet of Monthly Test Report of Cancrete Sand

Month	Feburary
Year	2019
Type of Material	Cancrete Sand

S.n. Lab.Ref no.		Date of	Location of	6 66 1		Si	eve Size in	mm / % Pa	ssing by we	ight		Clay	The second second
S.n.	Lab.Ref no.	Test	Sample	Source of Sample	10	4.75	2.36	1.18	0.600	0.300	0.150	Contetnt%	Remarks
1	RUDP-CS-256	1-Feb-19	R-2	Chisang Khola	100.00	93,21	65.19	53.35	22.18	14.13	6.31	1.41	7
2	RUDP-CS-257	3-Feb-19	T31.6	Chisang Khola	100.00	94.97	65.66	53.88	22.79	11.25	5.21	1.65	7
3	RUDP-CS-258	3-Feb-19	T3L23	Chisang Khola	100.00	93.32	64.35	51.30	24.51	12.09	5.73	1.23	
4	RUDP-CS-259	3-Feb-19	R-84	Chisang Khola	100.00	95.88	73.08	57.15	26.23	19.68	7.50	1.54	
5	RUDP-CS-260	3-Feb-19	T3L6A	Chisang Khola	100.00	95.11	75.27	52.85	22.66	16.33	4.89	1.73 _	
6	RUDP-CS-261	3-Feb-19	R-84	Chisang Khola	100.00	94.65	74.11	52.37	21.74	14.23	4.50	1.16	
7	RUDP-CS-262	6-Feb-19	T3L6A	Chisang Khola	100.00	94.98	82.68	52.90	23.62	13.53	3.94	1,39	
8	RUDP-CS-263	6-Feb-19	R-2	Chisang Khola	100.00	95.41	78.91	75.84	41.16	11.41	5.54	1.19	
9	RUDP-CS-264	8-Feb-19	DDC Yard	Chisang Khola	100.00	94.60	81.40	53.87	41.84	14.50	4.81	1.05	
10	RUDP-CS-265	9-Feb-19	T31.22B	Chisang Khola	100.00	96.94	85.52	76.34	47.27	27.78	4.45	1.69	
11	RUDP-CS-266	9-Feb-19	R-84	Chisang Khola	100.00	96.41	84.77	75.66	46.85	27.54	4.42	1.60	
12	RUDP-CS-267	9-Feb-19	T2L24E	Chisang Khola	100.00	91.58	79.65	74.33	52.71	32.93	5.02	1.62	
13	RUDP-CS-268	10-Feb-19	Koshi Yard	Chisang Khola	100.00	91.44	76.80	68.23	46.13	29.83	5.80	1.80	
14	RUDP-CS-269	10-Feb-19	R-2	Chisang Khola	100.00	96.08	83.75	77.12	49.75	33.94	5.44	1.45	
15	RUDP-CS-270	10-Feb-19	T3L24F	Chisang Khola	100.00	94.37	88.14	78.29	51.60	39.74	4.74	1.80	
16	RUDP-CS-271	15-Feb-19	T3L6A	Chisang Khola	100.00	93.21	84.17	70.71	47.95	37.37	6.28	2.15	
1.7	RUDP-CS-272	15-Feb-19	DDC Yard	Chisang Khola	100.00	93.13	79.31	68.13	44.54	37,47	6.06	1.12	
18	RUDP-CS-273	18-Feb-19	T2L19B	Chisang Khola	100.00	91,90	75.36	64.38	36.99	25.39	7.96	1.58	
				Spec. Limit :	100	89~100	60~100	30~100	15~100	5~70	0~15	<3%	

Contractor

ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING COLLTD

BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH

B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS &
ARCHITECTS (P) LTD, KATHMANDU, NEPAL

Wadhan

Checked By Engineer

Pushpak Pradhan

Submitted By

Contract Manager Rabindra K. Thakur Verified By

Expert Qty Surveyor/CSE

H.K. Mandal

Approve

Approved By Team Leader Giresh Chand



			REGI	ONAL URBA		EVEL Metropo			PROJ	ECT			
						RUDP/I							
				Summary Sheet of	77.			550	Sand				
				Summary Sheet of	WIGHTH	y rest ic	portore	anciete	Band	Mon	th	Feb	urary
										Yea			019
										Type Mater		Cancre	ete Sand
	1.1.600	Date of	Location of			Si	eve Size in	mm / % Pa	ssing by we	eight		Clay	B. Carrier
S.n.	Lab.Ref no.	Test	Sample	Source of Sample	10	4.75	2.36	1.18	0.600	0.300	0.150	Contetnt%	Remarks
19	RUDP-CS-274	19-Feb-19	T2L19B	Chisang Khola	100.00	93.20	78.65	67.17	40.04	27.12	12.51	2.08	-
20	RUDP-CS-275	21-Feb-19	T3L22B	Chisang Khola	100.00	94,54	85.34	68.53	35.15	24.81	9,01	1.57	->
21		21-Feb-19	T3L6A	Chisang Khola	100.00	92.56	83.07	64.56	39.91	27.81	8.19	1.24	_
22	RUDP-CS-277	22-Feb-19	R-2	Chisang Khola	100.00	90.95	80.10	59.62	34.29	15.71	6.19	1.92	
23	RUDP-CS-278	23-Feb-19	T3L11N	Chisang Khola	100.00	94.88	73.96	60.50	35.33	21.96	7.64	2.07	
24	RUDP-CS-279	23-Feb-19	R-84	Chisang Khola	100.00	94.70	73.93	60.09	34.79	21.62	7.52	1.15	
25	RUDP-CS-280	27-Feb-19	CN2CN3	Chisang Khola	100.00	92.01	69.56	58.75	32.12	21.31	6,47	1.76	
				Spec. Limit :	100	89~100	60~100	30~100	15~100	5~70	0~15	<3%	
			Contractor						/6	onsultan	Cla		
2	ZHONGHENO		UCTION GROUEERING CO.	UP INTERNATION	NAL		N. CONS	SULTAN	CYPYT	LIDEA	ND PLU	OINT'VEN' IS ENGINE DU, NEPAI	
De	ndhan		HOWONG # OUT OF	R		Mary	top			-	100	8	
Che	cked By		-	Submitted By		Verified		+				Approve	l By
	ineer			Contract Manager		Expert Q	ty Survey	or/CSE				Team Lea	ader
0	pak Pradhan			Rabindra K. Thak		H.K. Ma						Giresh Cha	and



### REGIONAL URBAN DEVELOPMENT PROJECT

Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 SUMMARY SHEET OF CEMENT TEST

											Mont	h	Jan	uary
Li		h I									Year		2018	
S N	Lab Ref.no	Type of cement	Tetsing	Consistancy & Setting Time		Soundnes Fineness(%	Fineness(%	Date of	Date of	Testing	Strength N/mm <sup>2</sup>			
		Type of cement	Date	Normal Cons.(%)	Initial(Min)	Final (min)	s(mm)	)	Casting	7 Days	28 Days	Z days	28 Days	Remark
4	32	Ambe Hi-Tech							4-Jan-19	11-Jan-19	1-Feb-19		49.34	
5	33	Salimar OPC							10-Jan-19	17-Jan-19	7-Feb-19		45.97	-
6	34	Saptakoshi OPC							17-Jan-19	24-Jan-19	14-Feb-19		47.71	
5	35	Saptakoshi OPC							21-Jan-19	28-Jan-19	18-Feb-19		48.83	
6	36	Saptakoshi OPC	2-Feb-19	29.30	105.00	212.00	3.99	3.29	6-Feb-19	13-Feb-19	6-Mar-19	/28.58		
7	37	Salimar Gold OPC	12-Feb-19	30.50	116.00	219.00	2.08	2.44	14-Feb-19	21-Feb-19	14-Mar-19	26.97		
8	38	Saptakoshi OPC	16-Feb-19	30.50	105.00	216.00	2.68	2.03	17-Feb-19	24-Feb-19	17-Mar-19	/29.48		
														-
		Sp.Lii	mit:		Min-30	Max-600	<10	<10				>23	>43	

Comments:-

Contractor

ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD

prachan

Checked By Engineer Pushpak Pradhan Submitted By

Contract Manager Rabindra Kr. Thakur Consultant

BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL

Tetnanar \*

Verified By

Expert/Qty Surveyor H.K. Mandal

Approved By Team Leader

Giresh Chand



### **ANNEX-4: SOCIAL & ENVIRONMENT SAFEGUARD**

**Monitoring Formats Attached – February 2019** 



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

Subpro	ect	Road	· -RUDI	P/ICB	/RRT	12
Supplo	CCL	nuau	NUDI	7100	DAL	1 4

Month/Year: Feb 2019

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

Contract Package: RUDP/ICB/BRT/2

S.N		Co	ompliance Sta	itus		All March	
	Key Social Issuse	Full	Partial	None	Implementing Agency	Note of Remarks	Deadline
1	Availability of drinking water services	٧					
2	Availability of toilet facility in campsite	٧					
3	Legal source of fuel wood use			٧			
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		٧				
9	Compensation of temporarily occupied land	٧					
10	Compensation of temporarily occupied buildings	٧					
11	Legal document of temporarily occupied assets	٧				,	
12	Non use of child labour in construction activities	٧					

Prepared by:

Verified by:

Monitored by:



### 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: Feb 2019

Checklist

SN	Activity	Description/Present Status (Compliance/Partially Compliance/Non Compliance	Remarks/ Corrective actions for Non-Compliance
1.1	Training Health, Safety and EMP trainings and awareness	Yes	
1.2	Others awareness and skill trainings	No	
2 2.1	Occupational health and safety Insurance for workers	Yes	
2.2	Personal Protective Equipment (PPE) provided to labors and is using (helmet, facemasks, muffles, gloves, boots, jacket, goggles etc.)	Daily Provided	
2.3	Public notification Safety and warning signs and informative signboards in working sites for work safety	Yes Provided	
2.4	Use of barricades, caution tape and flag	Daily Used	
3	Campsite management	DDC, Kanchanbari,	
3.1	Location	Shanti Chowk, Rani	
3.2	First aid facilities available at camp and worksites	Yes	
3.3	Drinking water supply and sanitation facilities/ pit latrines		
3.4	Waste Disposal and Management facilities	Tap water/ Hand Pump Yes	4
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	
4.3	Disturbance to Pedestrian and traffic movement	No any disturbance to pedestrians & traffic	to money



4.4	Use of private land and agreement with land owners	movement 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	Lancia de la companya	
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		
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		
8.5	Others	Not Applicable	
9	Sites for cultural and religious values	Not Applicable	
9.1	Cultural and religious sensitive spots (if any)	Not Applicable	
10	Forest and vegetation		
10.1	Number of trees removal	00	
10.2	No of tree plantation (Roadside)	Not Applicable	
11	Accident cases and records	No any records	
12 12.1	Employment to local people Men and women	Yes, both men and	
12.2	Child labor (if any)	No No	
13	Establishment of Safeguard desk and meeting	Yes	
14	Grievances from local people and addressed	Yes	



# सुचना ! सुचना !! सुचना !!!

यस पान्चाली रोड पुर्व पश्चिम मार्ग अन्तर्गतको पुरानो कल्भट भत्काएर नयाँ निर्माण गर्नुपर्ने भएकाले मिति २०७५ फागुन २० गते देखी चैत मसान्त सम्म यो सडक बन्द हुनेछ।

यस निर्माण कार्य बाट सर्वसाधारणमा पर्न गएको असुविधा प्रति हामी क्षमाप्राथि छौँ। तपाइँको सहयोगको लागी धन्यवाद।

आशिष निर्माण सेवा प्रा.लि. RUDP/ICB/BRT/2, Biratnagar





# Sewer Work

# (RUDP/ICB/BRT/02)

Please don't park around working area.





## सुचना!!

### सुचना!!

सुचना!!

आयोजनाको नामः क्षेत्रिय सहरी विकास आयोजना ।

उल्लेखित आयोजना अन्तर्गत विराटनगर माहानगरपालिकामा Contract No. RUDP/ICB/BRT/2 अर्न्तगत त्रिमुर्ती चोक देखि चांदिन चोक सम्मकोको वाटोमा, आज २०७५ जेष्ठ ५ गते वाटो पिच गर्ने कार्यहरू भईरहेको हुंदा सर्वसाधारणमा जानकारीका साथ सहयोगको लागी अनुरोध छ।

पि. आइ.युः

वि. डि. ए.:

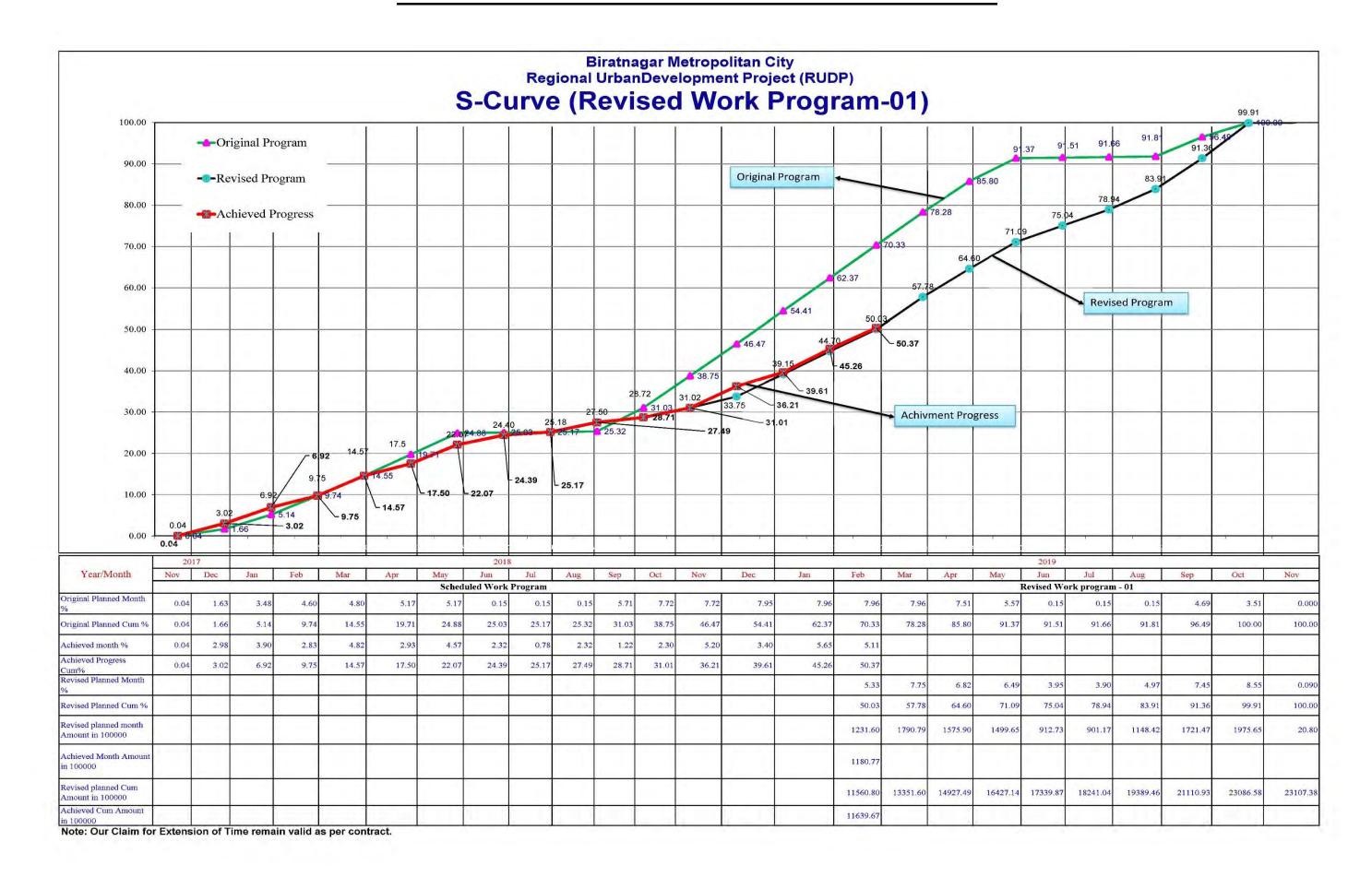
### निर्माण व्यवसायी

Zhongheng Construction Group of International Engineering.



**ANNEX-5: S-Curve** 

**ATTACHED – February 2019** 





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

