ORIGINAL



Building Design Authority (P) Ltd

in joint Venture with

B.N. Consultancy Pvt. Ltd and PLUSH Engineering & architects (P) Ltd Kathmandu.

Monthly Progress Report

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



January 2019

Biratnagar Metropolitan City (BMC), Nepal

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EXECUTIVE SUMMARY

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

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

1 Project Description

1.1 INTRODUCTION/BACKGROUND

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

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

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



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

	General Features
Name of Project	Regional Urban Development Project(RUDP)
	Government of Nepal,
Executing Agency	Ministry of Urban Development
	Department of Urban Development and Building Construction (DUDBC)
Implementing Agency	Biratnagar Metropolitan City, Biratnagar
Funded By	Asian Development Bank & Government of Nepal
Package	Construction and Completion of Sewerage, Drainage, Road, Footpath and Road furniture works
Contract No.	RUDP/ICB/BRT/2
Location	Biratnagar Metropolitan City, Biratnagar
Consultant	Building Design Authority (P) LTD in Joint Venture With B.N. consultancy Pvt and PLUS Engineers and Architects (P) Ltd Kathmandu.
Date of Sign of Design and Supervision Consulting Service	28th August 2017
Date of Commencement of Design and Supervision Consulting Service	6th September 2017
Date of Completion	5th September 2020
Contractor	ZHONGHENG Construction Group International Engineering Co Ltd. Beijing, China.
Date of Agreement Made	10 th October 2017
Date of Commencement	2 nd November 2017
Date of Completion	1 st November 2019
Contract Amount including PS and VAT	NRs. 2,611,092,249.63
Progress	
Road Rehabilitation (Asphalt)	25.29%
Sewer Line	59.40%
Storm Drain	97.44%
Road Side Drain	71.14%



	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	Planned: 62.37%, Actual: 45.27%; Lead(+) or Lag(-) by (-) 17.10%						
Financial Progress up to date	In Percentage: 39.99%, In Figure: NRs. 1,044,201,086.39 (including VAT and PS)						
8 ap 11 am	In Words: NRs. One Billion Forty Four Millions Two Hundred On 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	11,929.60	8,152.40	59.40%	
ь	Manhole	No.	685.00	397.00	288.00	57.96%	
c	Sewer Inlet	No.	1,010.00	330.00	680.00	32.67%	
d	House Connection	No.	3,784.00	700.00	3,084.00	18.50%	
2	Storm Water Dra	in					
a	RCC Drain	m	652.80	570.00	15.00	97.44%	Revised Length =585m
ь	Piles	No.	132.00	138.00	(6.00)	100.00%	Exceeded
3	Road						



S.No	Description	Unit	BoQ Quantity	Progress up to date	Remaining	Progress Status expressed in (%)	Remarks
a	Subgrade	m	73,860.00	30,170.56	43,689.44	40.85%	
b	Subbase	m	73,860.00	30,170.56	43,689.44	40.85%	
c	Base	m	73,860.00	21,897.60	51,962.40	29.65%	
d	Prime	m	73,860.00	18,679.15	55,180.85	25.29%	
e	Asphalt	m	73,860.00	18,679.15	55,180.85	25.29%	
4	Road Side Drain	m	26,050.00	18,533.01	7,516.99	71.14%	

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, R33, R10, R7, R12 and R9 are in progress. For the month of February, we are planning to do sewer line works at T3Line10, T3Line10F, T3Line10C, T3Line6, T3Line7, T3Line7B and T4.



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 January 2019

		В	οQ	Up to Pr	e Month	This	month	Total to	o date	Progress
SN	Description	Length (m)	Manhole (Nos.)	%						
Hume Pip	e:			-	1	•	1			
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 in (m)		2,241.00	68.00	823.00	23.00	-	-	823.00	23.00	
HDPE Pip	e:				•					
1	HDPE (T1)	1,825.00	57.00	1,528.50	46.00	123.00	4.00	1,651.50	50.00	
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	4,486.10	156.00	1,204.00	36.00	5,690.10	192.00	
4	HDPE (T4)	2,092.00	68.00	769.00	19.00	-	-	769.00	19.00	
Subtotal in	Subtotal in (m)		588.00	9,779.60	334.00	1,327.00	40.00	11,106.60	374.00	



SN	Description	BoQ		Up to Pre Month		This	month	Total to	o date	Progress
		Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	%
Total		20,082.00	656.00	10,602.60	357.00	1,327.00	40.00	11,929.60	397.00	59.40%

SN	Description	BoQ (Nos.)	Up to Pre Month		This month		Total to date		Progress %
1	Sewer inlet	1,010.00		254.00		76.00		330.00	32.67
2	House connection	3,784.00		534.00		166.00		700.00	18.50



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 January, 2019.

	Name of Drain		L	ength in n	1		_	W	ork C	omplete	d	Length	
S				Progress		Cum	Type of	Brick		RCC		of Covere	Rema
N		al	Revise d	Previo us	This Month	ulativ e	ulativ Drain	m	m ³	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 January, 2019

		N			Length in m			Work Com	pleted		70	
CNI	Road				Prog	gress		Sub-base	Base	Asphalt	RCC	arks
SN	Number	Name of Road	Original	Revised	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		599.20m Asphalt complete d
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	153m Asphalt complete d
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		
8	R3A	Madhumara Marg	600.00	600.00	600.00		600.00	600.00	600.00	582.00		
9	B1	Kanchan Marg	1,172.94	1,173.00	1,173.00		1,173.00	1,173.00	1,106.00	1,106.00		
10	R21	Pratibha Marg	1,320.00	1,320.00	950.00	170.00	1,120.00	1,120.00	1,120.00	1,120.00		



					Length in m				Work Com	pleted		70
CNI	Road	N CD 1			Prog	gress		Sub-base	Base	Asphalt	RCC	ark
SN	Number	Name of Road	Original	Revised	Previous	This Month	Total	m	m	m	m	Remarks
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		
13	R12	Kanchha Dai Marg	1,192.00	1,192.00	837.00	-	837.00	837.00	837.00			
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		
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		
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		242.00	242.00	242.00	242.00		242m Asphalt complete d
23	R30	Shanti Marg	212.00	212.00	123.10		123.10	123.10	123.10	123.10		



					Length in m				Work Com	pleted		
SN	Road	Name of Road			Prog	gress		Sub-base	Base	Asphalt	RCC	arks
SIN	Number	Name of Road	Original	Revised	Previous	This Month	Total	m	m	m	m	Remarks
24	R9	Fadindra Marg	123.00	123.00	119.00		119.00	119.00	119.00	119.00		
25	S11	Samrat Marg	660.00	660.00	660.00		660.00	660.00	504.60	504.60		
26	R22	Amar Marga	373.10	367.65	367.65		367.65	367.65	367.65	367.65		
27	R29	Shanti Marg	620.00	620.00	299.00	104.00	403.00	403.00	403.00	257.70		257.70m Asphalt complete d
28	R36	Gaurav Marg	218.00	218.00	220.00		220.00	220.00				
29	R33	Tarun Marg	285.00	285.00	171.50	90.50	262.00	262.00				
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		225m Asphalt complete d
32	N36		-	190.00	190.00		190.00	190.00	186.95	186.95		186.95m Asphalt complete d



					Length in m				Work Com	pleted		_
SN	Road	Name of Road			Prog	gress		Sub-base	Base	Asphalt	RCC	arks
511	Number	Name of Road	Original	Revised	Previous	This Month	Total	m	m	m	m	Remarks
33	R188	Shakti Marg	1	120.00	120.00		120.00	120.00				
34	R2	Main Road	1	300.00	300.00	50.00	350.00	350.00	350.00	350.00		350m Asphalt complete d
35	6A	PanditMrghnath Marg	-	220.00	220.00		220.00	220.00				
36	T2 Line 24C	Nava Jyoti Marg	1	205.00	205.00		205.00	205.00				
37	T2 Line 24D	Nava Jyoti Marg	-	210.00	210.00		210.00	210.00				
38	R63 (DSP Road)	DSP Road	420.00	420.00	420.00		420.00	420.00	195.00	195.00		195m Asphalt complete d
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				
41	R76	Mitra Marg	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				
43	T1 L16B	Xenial Front	210.00	210.00	210.00		210.00	210.00				
44	T1 L16A	Xenial South	140.00	140.00	140.00		140.00	140.00				



					Length in m				Work Com	pleted		70
SN	Road	Name of Road			Prog	gress		Sub-base	Base	Asphalt	RCC	ark
SIN	Number	Name of Road	Original	Revised	Previous	This Month	Total	m	m	m	m	Remarks
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				
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		92m Asphalt complete d
51	R84	West of school	673.00	235.00	-	330.00	330.00	330.00				
52	R85	Machha Line	153.00	153.00	-	153.00	153.00	153.00				
53	R87	Mahabir Chowk	150.00	148.00	-	148.00	148.00	148.00				
54	R86	Petrol pump side -R12	193.00	193.00	_	193.00	193.00	193.00				
55	R11	R18/R86	281.00	281.00	_	281.00	281.00	281.00				
56	N3	Jatuwa	120.00	117.00	-	117.00	117.00	117.00				
57	N4	Jatuwa	170.00	168.00	-	168.00	168.00	168.00				



					Length in m				Work Com	pleted		
SN	Road	Name of Deed			Prog	gress		Sub-base	Base	Asphalt	RCC	arks
SIN	Number	Name of Road	Original	Revised	Previous	This Month	Total	m	m	m	m	Remarks
58	R10	Ram Marga	1,092.00	1,092.00	-	292.00	292.00	292.00				
59	T2L26F	APF	61.50	61.50	1	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				
63	R17		610.06	610.06	365.00		365.00	365.00				
64	R18		465.78	465.78	370.00		370.00	370.00				
65	N2		75.84	75.84	75.84		75.84	75.84				
	Tot	al =	32,521.43	35,711.63	27,927.06	2,243.50	30,170.56	30,170.56	21,897.60	18,679.15	210.00	



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

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

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	1,716.31	30,170.56	40.85%
2	Sub Base	m	73,860.00	26,386.70	3,783.86	30,170.56	40.85%
3	Base	m	73,860.00	18,398.10	3,499.50	21,897.60	29.65%
4	Prime/Tack	m	73,860.00	15,167.45	3,511.70	18,679.15	25.29%
5	Asphalt	m	73,860.00	14,167.45	4,511.70	18,679.15	25.29%
6	Paint	m	73,860.00	500.00	-	500.00	0.68%

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 January, 2019.

					Length in	m		Work Con	pleted	S
SN	Road	Name of Road			Progr	ress		Brick	RCC	lark
511	Number	Name of Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
1	B1	Kanchan Marg	-	_	45.00	45.00	90.00	90.00		
	R29	Shanti Marg	270.00		256.52	-	256.52	256.52		
	N36				185.87	0.00	185.88	185.88		
4	R8		370.00		219.82	0.00	219.83	219.83		
	R7	Devi Marg and Pipal Marg	155.00	155.00	89.58	-	89.58	89.58		
6	R63	DSP Road	418.79		298.80	119.99	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	139.00	139.00	278.00	278.00		
11	R90	Shakti Marg	320.00		313.25	-	313.25	313.25		
12	R114	Dharanidhar Marg	-	312.33	273.20	39.13	312.33	312.33		
13	R11	Om Shiv Marg	-		200.00	0.16	200.17	200.17		
14	R18		-	382.50	190.75	190.75	381.50	381.50		
15	R17		-		360.85	14.15	375.00	375.00		
	R113	Kavi Lekhnath Marg	-	312.45	156.22	156.23	312.45	312.45		
17	R77	Arniko Marg	97.00		80.00	-	80.00	80.00		
18	R76	Mitra Marg	272.00	275.00	270.00	-	270.00	270.00		
19	N9	Devi Marga	-		222.70	_	222.70	222.70		
20	N4		-	170.00	146.37	0.00	146.38	146.38		
21	R33	Tarun Marg	-	265.00	264.48	-	264.48	264.48		
	R36	Gaurav Marg	218.00		216.40	0.05	216.45	216.45		
23	R86	Janpath Marg	215.00		187.00	0.55	187.55	187.55		
24	R183	Nava Jyoti Marg	242.00		211.00	0.05	211.05	211.05		
25	R7a		77.81		65.00	-	65.00	65.00		
26	Rani site	Rani B	-	650.00	349.80	180.20	530.00	530.00		
27	Rani site	Rani A	-	300.00	135.00	135.00	270.00	270.00		



					Length in	m		Work Con	pleted	S
CNI	Road	N CD I			Progr	ress		Brick	RCC	ark
SN	Number	Name of Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
28			-		110.00	-	110.00	110.00		
29	N5		-		40.00	25.00	65.00	65.00		
30	R21	Binayak Marga	-	390.00	194.12	194.13	388.25	388.25		
31	R2	Main Road	2,060.00	2,060.00	567.50	182.50	750.00	750.00		
32	T1L16B	Xenial Front	-		205.66	0.02	205.68	205.68		
33	T1L16A	Xenial South	-	160.00	150.19	0.00	150.20	150.20		
34	R75	Tintoliya Marga	135.00	135.00	127.50	127.50	255.00	255.00		
35	R122	Amar Marga	-		250.47	0.00	250.48	250.48		
36	R18 Branch		-	30.00	30.00	-	30.00	30.00		
	R7(b)(Neuro to sidhartha chowk)	Siddhartha Marga	317.00	317.00	300.00	-	300.00	300.00		
	R12	Sukra Path	-		500.00	210.00	710.00	710.00		
39	R42	Jahada Marga	-		85.50	85.50	171.00	171.00		
40	R6	Shahi Marg	460.00	430.00	380.00	380.00	760.00		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	57.80	57.80	115.60	115.60		
44	R40	Brahma Kumari Marga	-		300.00	-	300.00	300.00		
45	Rani Site C		1	100.00	48.75	48.75	97.50	97.50		
46	Ranit Site D		-	131.45	65.72	65.73	131.45	131.45		
47	T3L21	Moti Marga	380.00	380.00	360.95	-	360.95	360.95		
48	T3L39	Gaheli Marga	1	278.00	270.00	-	270.00	270.00		
49	T3 Line 39A		1	90.00	50.00	40.00	90.00	90.00		
50	T3 L39B		-	-	50.00	40.00	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	80.00	10.00	90.00	90.00		



					Length in	m		Work Con	pleted	Ø
SN	Road	Name of Road			Prog	ress		Brick	RCC	lark
SIN	Number	Name of Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
55	T2 Line 18C	Maisthan Marga	-	105.00	51.00	51.00	102.00	102.00		
56	T2Line 18A	Makalu Marga	90.00		60.00	-	60.00	60.00		
57	R6 (T3L11i)		-	275.00	138.00	109.50	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	206.40	8.60	215.00	215.00		
	R7c (Neuro to Shanti Chowk	Siddhartha Marga	240.00	605.00	490.00	115.00	605.00	605.00		
62	R84	School Marga	673.00		432.50	180.50	613.00	613.00		
	R85	Lekhanath Marga	162.00		145.00	5.00	150.00	150.00		
64	R87	Byas Marga	160.00		150.00	-	150.00	150.00		
65	Rani B (Bus park)		-	120.00	68.00	22.00	90.00	90.00		
66	R8(a)	Madhumara Marg	218.00		218.00	2.00	220.00	220.00		
67	T3L23A		263.47	263.47	100.00	-	100.00	100.00		
	Rani E		85.00	85.00	60.00	25.00	85.00	85.00		
69	R102	Hamro Marg			132.50	-	132.50	132.50		
70	R10/R10a	Ram Marga	1,092.41	180.00	740.35	0.00	740.36	740.36		
71	N10	APF	154.48	154.48	150.00	-	150.00	150.00		
72	R23	Bani Marg	226.12	226.12	200.00	-	200.00	200.00		
	R103	Vibuti Marga	173.00	173.00	162.50	-	162.50	162.50		
74	T3L6	n 11				130.00	130.00	130.00		
75	P1, T3L6A	Pandit Meghnath Marga	280.00	280.00	160.00	-	160.00	160.00		
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		



			Original Revised This Tota					Work Con	pleted	S
	Road				Progr	ress		Brick	RCC	ırk
SN	Number	Name of Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
82	R34	Prabhu Marg	151.00	151.00	130.00	28.35	158.35	158.35		
83	R35	Garima Marg	138.00	138.00	70.00	68.00	138.00	138.00		
84	R107		180.00	180.00	80.00	80.00	160.00	160.00		
85	T3L13D		80.00	80.00	40.00	30.63	70.63	70.63		
86	T3L13E		70.00	70.00	35.00	27.40	62.40	62.40		
	T3L11E		160.00	160.00	75.00		110.00	110.00		
88						76.50	76.50	76.50		
_	R78					35.00	35.00	35.00		
	R7b					288.50	288.50	288.50		
-	T3L21A					25.00	25.00	25.00		ļ
-	R74					96.00	96.00	96.00		
-	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		
99	R67					110.00	110.00	110.00		
100	R82					110.00	110.00	110.00		
101	T1L13A					90.00	90.00	90.00		
102	T1L14A					85.00	85.00	85.00		
103	R68					180.00	180.00	180.00		
	T3L22A					110.00	110.00	110.00		
105	T3L22B					50.00	50.00	50.00		
106	T3L25C					70.00	70.00	70.00		
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	500.00	500.00		
111	T2L19B					60.00	60.00	60.00		
112	R30					180.00	180.00	180.00		
113	T3L13C					45.00	45.00	45.00		
114	T3L13J					72.53	72.53	72.53		
_	T2L18Y					100.00	100.00	100.00		
116	T2L19P					114.38	114.38	114.38		
117	T2L19Q					126.55	126.55	126.55		
	R9A					208.73	208.73	208.73		
	R9B					25.00	25.00	25.00		
	•	Total =			18,460.29		18,533.01	17,773.01	760.00	



3.5 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.

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.

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.

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.



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.

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

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.

3.6 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.

Safeguard/ GESI Component

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.

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.

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.

Status of Social and Environmental Safeguard Measures

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

During the site visit for Socio Environment monitoring by DSC Environmental and Social Safeguard Expert on date 1st, 2nd and 3rd December, 2018 following issues were found. Social Safeguard revisited the site on 29th, 30th and 31st December.

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

Status of Relocation of Services

Electric poles were relocated at R90, R21 and DSP Road. Similarly, relocation of water supply pipe lines were done in R12, T1Line 5A and R6, etc.

Status of Labor at Site

Labour	La	bour	Comp	osition		Ethn	ic compos	sition	
class	Skilled	Unskilled	Male	Female	Janjati	Dalit	Muslim	Madhesi	Brahmin/ Chhetri
Local	38	104	140	5	15	18	5	77	
Non local	113	292	414	0	125	60	28	183	
Indian	9	27	36	0	0	0	10	26	
TOTAL	160	423	590	5	140	78	43	286	

3.7 FINANCIAL PLAN

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

Table:-5 DISBURSEMENT RECORDS in CONSTRUCTION

3.7.1DISBURSEMENT RECORDS IN CONSTRUCTION

S.No	Description	Submission date	Submitted Amount(NRs)	Remarks
1	IPC 01	15 th October 2017	339,105,000.00	Mobilization Advance
2	IPC 02	2 nd April 2018	261,501,492.21	
3	IPC 03	1st July 2018	316,582,708.58	
4	IPC 04	1 st October 2018	105,227,887.17	
5	IPC 05	2 nd December 2018	95,951,603.44	
6	IPC 06	3 rd January 2019	264,937,394.99	
Total		ding PA & Mobilization e till date =	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

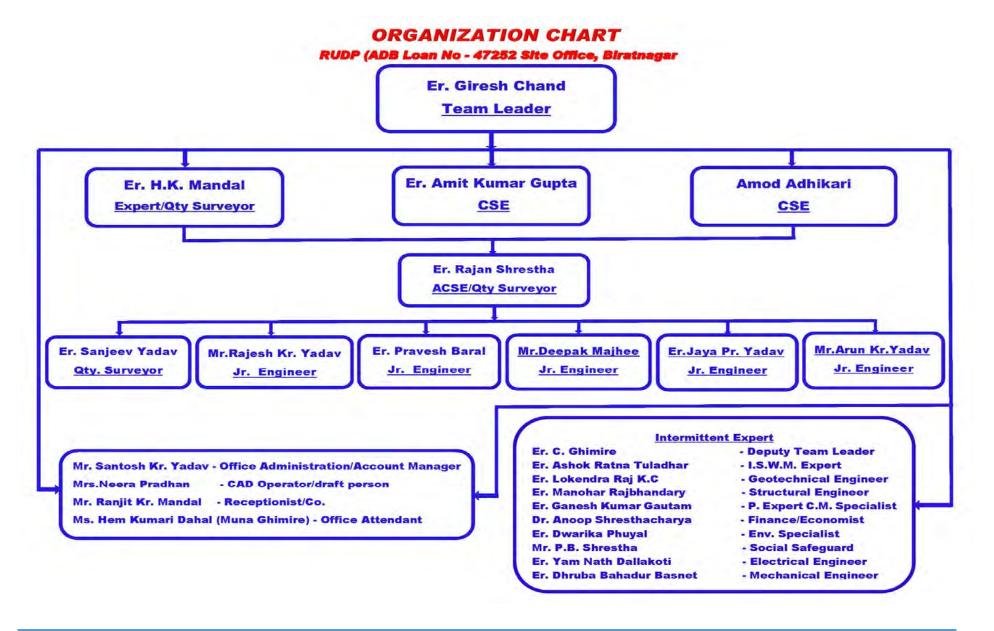
The scope of works for consultant's services is fairly detailed in the TOR attached with contract Agreement. The main points are summarized below:

- 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 6: CONSULTANT'S STAFF at Project Site, Biratnagar

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

SN	Name	Designation	Joining date	Remarks
20	Neera Pradhan	CAD operator/Draft Person	10 th Dec 2017	
21	Ramji Ghimire	Driver	1st Dec-2017	

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 Ithari 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

Month	Target This Month		Achievement This Month		Leading		Lagging		
	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

5.3KeyEvents

The consultant has noted the following key dates for the month of December, 2018.

Table 8: KEY DATES of EVENTS / ACTIVITIES

S. No.	Date	Activities/Events	Remarks



6 DETAILS OF PRE CAST ACTIVITIES.

Table 9: PHYSICAL PROGRESS in PRODUCTION OF PRECAST ITEMS till, January, 2019

	Physical Progress till January 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		42,263.00	3459.00	45,722.00	Under progress			
2	Kerb Stone	Rm	147,729.68	74,825.30	2468.00	77,293.30	52.32%			

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

January, 2019

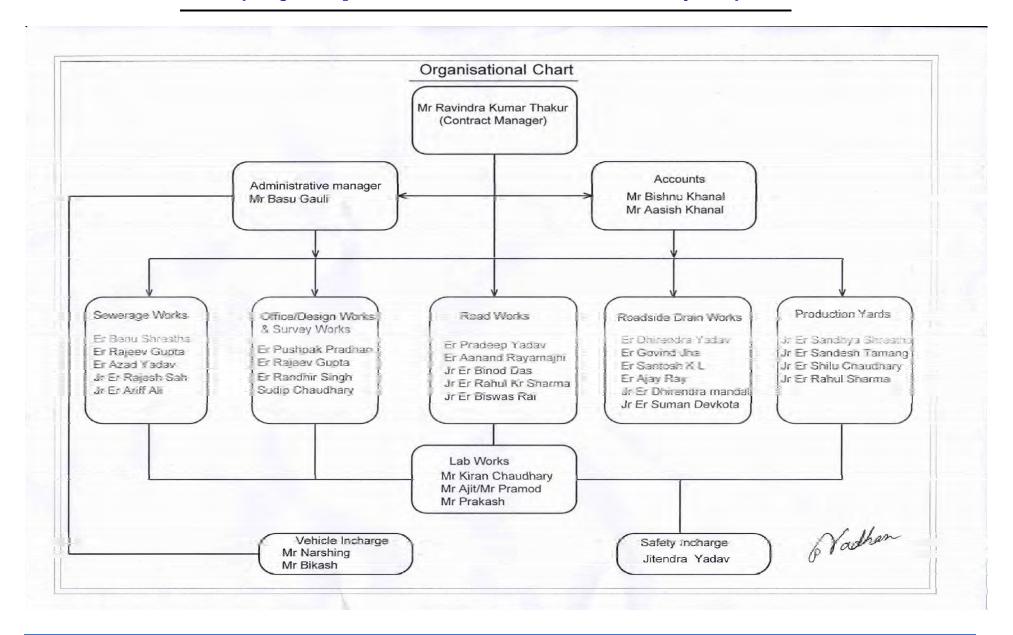
Physical Progress till January 2019									
				Progress					
S.N.	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks		
1	RCC Pipe	300	336.00	336.00	-	336.00			
2	RCC Pipe	450	681.00	681.00	ı	681.00			
3	RCC Pipe	500	842.00	842.00	-	842.00			
4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

Table 11: PHYSICAL PROGRESS in PRODUCTION OF HDPE Pipe till, January, 2019

	Physical Progress till January 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, January 2019

Physical Progress till January 2019								
				Prog	ress			
S.N.	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 January, 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 12: 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	2	
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) Air compressor	2	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	

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
- Precast production works at contractor's yard.
- Road Side drain works.
- Laying of Kerb Stone, cover slab and interlocking tiles.
- Sewer line, Sewer inlet and House Connection works.



ANNEX-1: PHOTOGRAPHS OF JANUARY, 2019



Road paint, Kerb stone and interlock works at B1



Base finishing Works at B2



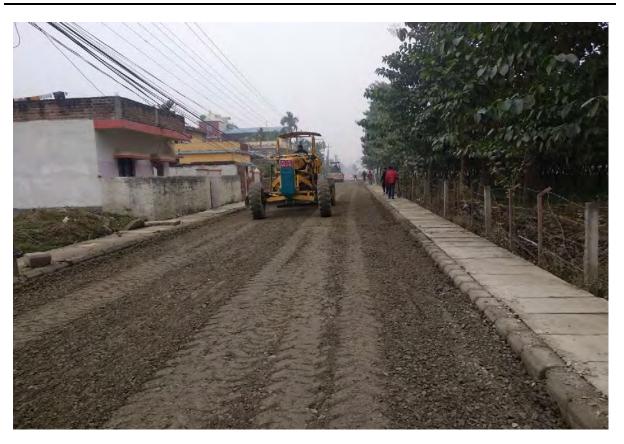


Road Drain work at R6



Road diversion at R7





Base Laying Works at R29



Gradation test at crusher





ROW clearance works at Pandit Meghnath Marga



Sewer line placement Works at R2



ANNEX-2: MINUTES OF MEETING JANUARY, 2019

MINUTES OF MEETING

Contract: Regional Urban Development Project (RUDP), Biratnagar, RUDP/ICB/BRT/2, ADB Loan No: 47252-NEP

Date: 11 January 2019 Time: 01:15 PM

Venue: PIU Office, Biratnagar

Attendance

Emp	oloyer:	G.
1	Mr Bhim Prajuli	Mayor, BMC
2	Mrs Indira Karki	Deputy Mayor, BMC
3	Mr Kumar Prashad Dahal	Chief Administrative Officer (CAO), BMC
4	Mr. Bharat Kumar Nuepane	Project Manager (PM), PIU Brieght
5	Mr. Prakash Narayan Chaudhary	Deputy Project Manager (DPM), PIU
6	Mr Ghanshyam Kafle	Project Engineer (PE), PIU
Con	sultant:	
1	Mr. Giresh Chand	Team Leader (TL), DSC
2	Mr. Amit Kumar Gupta	CSE, DSC VS2
3	Mr Hare Krishna Mandal	Quantity Surveyor, DSC

The meeting was chaired by Mayor, Mr. Bhim prajuli, Biratnagar Metropolitan City Office welcomed all the participants in the meeting. Following matters were discussed and decided:

S. NO.	Minutes	Action by
1	PM, Mr Nuepane briefed the problems pertaining to lack of fund for relocation of electric poles, water supply pipe lines and requirement of new water supply pipe lines laying due to which the construction works under RUDP Project is suffering a lot so that to run the project smoothly required separate fund for relocation of above items (Particularly laying of New Water Supply Pipes). The employer informed that Biratnagar Metropolitan City (BMC) office has already allocated about Nepalese Rupees Forty (40) Million for current fiscal year. During last ADB Mission, it has been discussed on details regarding how to interpolate the above fund for laying of new water supply pipes under RUDP & to get fair accountability. They suggested to adopt the previous practice with fair measurement by DSC and supervise by the Nepal Water Supply	The employer, contractor & consultant

S. NO.	Minutes	Action by
	Co-operation (NWSC) for payment and endorse the above amount in Variation order.	Tretton by
	TL, Mr Chand included during ADB Mission, that the clauses of contract do not permit us to endorse the appount in VO but as suggested by the representatives of mission if BMC allow then we will proceed ahead.	
	Mayor, Mr Prajuli instructed to go ahead with above procedure (PM, Mr Nuepane added that the Billing/Interim Payment Certificate shall be made separately for new water supply pipe lines connection as discussed during ADB review meeting from 2 Dec 2018 to 3 Dec 2018 based on the rate approved by the employer/PIU) to achieve the progress of works with fair accountability because due to urgency of laying of water supply pipes the related public are suffering a lot.	
	RUDP RUDP V	W.

Minutes of Meeting - STIUEIP, Biratnagar

MINUTES OF MEETING

Contract: Secondary Town Integrated Urban Project, Contract No.: STIUEIP WERT ICE-07

Environment Improvement

Date: 17 January 2019 Time: 10:45 AM

Venue: PIU Office, Biratnagar

Attendance

Em	ployer:	
1	Mr. Bharat Kumar Nuepane	Project Manager (PM), PIU Bales by
2	Mr. Prakash Narayan Chaudhary	Deputy Project Manager (DPM), PIU
3	Mr Panam Dahal	Chief Social Development officer, PIU
4	Mr Ghanshyam Kafley	Project Engineer (PE), PIU
5	Mr. Anil Singh	Project Engineer (PE), PIU
Con	ntractor:	J === gareer (12), 110
1	Mr Ujjwal Prasai	PM, CTCE-Kalika J/V
2	Mr. Bishesh Prasai	Engineer CTCF-Kalika IV
Con	sultant:	Engineer, CTCE-Kalika J/V Linh Juma
1	Mr. Giresh Chand	Team Leader (TL), DSC
2	Mr. Amit Kumar Gupta	CSE, DSC

The meeting was chaired by PM, Mr. Bharat Kumar Nuepane and welcomed all the participants in the meeting. Following matters were discussed and decided:

S. NO.	Minutes Minutes	Antion by
1	TL, Mr Chand pronounced the progress of the STIUEIP project and status of outstanding as well as the defect remedial works. PM, Mr Nuepane included that the contractor M/S CTCE-Kalika J/V completed the construction work before 15 th December 2018 and advised to prepare the list of outstanding as well as the defect remedial works and proceed further as per the contract. To complete those (outstanding as well as the defect remedial) works as soon as possible, if required the contractor need to increase the equipment & manpower. He also emphasized that contractor M/S CTCE-Kalika J/V required to remove the surplus plus undesirable materials from the site.	The employer, contractor & consultant
	PM, Mr Prasai agreed and assured that they'll complete on framed time. Page 1 of Pages 3	e. Ouga

S. NO		1
2	PM, Mr Prasai emphasized that all the outstanding works have been completed except TOD meter for Dedicated Electricity Feeder Line and proportional weir at Grit chamber.	
	PM, Mr Nuepane asked Project Engineer/PIU, Mr Singh to check the quality and speed up the connection work of TOD meter, if necessary co-ordinate with Nepal Electricity Authority (NEA). TL, Mr Chand added that the work of Dedicated line should be accepted only after written consent of work done, testing and assurance that dedicated electricity feeder line is working properly from NEA. After completion of TOD meter installation and assurance from NEA, we'll proceed for joint inspection and joint verification of Defects and Outstanding works under clause 10.1 GCC/PCC.	The employer, contractor
3	TL, Mr Chand emphasized to clean and repair the defects in sewer line including House Connection Chamber, Sewer inlet and sewer manholes so that the sewer line as well as its components do function properly to fulfil the purposes for which it is intended.	The employer, contractor &
	PM, Mr Prasai agreed on it.	consultant
5	TL, Mr Chand informed that the placement work of Sewer Inlets in Koshi Highway are very slow so need to speed up the work. PM, Mr Prasai said if the work goes smoothly without any obstacle, they'll complete before 28 Jan 2019.	The employer, contractor & consultant
6	R2 Lane (Pushpalal Chowk) is not started yet so that as we decided earlier need to do the RCC slab at instructed portion as soon as possible. The Employer has already instructed to the Contractor via Consultant for RCC due to sharp bend/ very less radius at Pushpalal chowk. PM, Mr Prasai agreed to complete the work within a week if weather favour.	The employer, contractor & consultant
J	Biratnagar Metropolitan city office will start the further work to get connection from households and recess for	The employer, ontractor & onsultant

1	7 *	
4.	Minutes of Meeting	g - STIUEIP, Biratna
S. NO.	M:	
,	1 IVI, IVII INUEDANE emphasiza J -1	Action b
	and SI under STIUEIP which required to complete as soon a	ıs
		The
	PM, Mr Prasai agreed to complete the works as soon as possible but he denied to do the HCC works for a second soon as possible	employer
	but he denied to do the HCC works for new constructed house.	
	TI Ma Classical design of the constructed nouse.	&
	TL, Mr Chand said to complete the remaining HCC and SI works	consultan
	as soon as possible except for new constructed house.	
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MINUTES OF MEETING-22

Contract: Regional Urban Development Project (RUDP), Biratnagar, RUDP/ICB/BRT/2, ADB Loan No: 47252-NEP

Date: 31 January 2019 Time: 02:00 PM

Venue: PIU Office, Biratnagar

Attendance

Emp	ployer:	
1.	Mr. Bharat Kumar Nuepane	Project Manager (PM), PIU
2	Mr. Prakash Narayan Chaudhary	Deputy Project Manager (DPM), PIU
3	Mr Ghanshyam Kafley	Project Engineer (PE), PIU
Con	tractor:	- For
1	Ravindra Kumar Thakur	CM, M/S Zhongheng Construction Group International Engineering Co. Ltd.
Con	sultant:	7
1	Mr. Giresh Chand	Team Leader (TL), DSC
2	Mr. Amit Kumar Gupta	CSE, DSC MARZ
3	Mr Hare Krishna Mandal	Quantity Surveyor, DSC

The meeting was chaired by PM, Bharat Kumar Nuepane and he welcomed all the participants in the meeting. Following matters were discussed and decided:

S. NO.	Minutes	Action by
1	PM, Mr Nuepane briefed about venue of SAAF women's championship 2019 , stay of management team, crews & players, routes need to clear for their warmth welcome and hospitalities. He emphasized to complete the Asphalt works/sub base layer laying in the lanes mentioned below to reduce load of traffic during the game before 27 th February 2019 (15 th Falgun2075).	
	 Peripheral roads around Bus park area including zenial, Eastern star and Ratna hotel, etc DSP road (R63) 	The contractor & consultant
	 Hospital line and peripheral road of stadium (T3Line 6, 7) Stadium to Koshi hospital, stadium to family planning building, stadium to main road (pandit Meghnath Marga) 	
	 Sansari Mai Temple/chowk to Traffic chowk remaining portion in R2 – At least base for smooth provement of traffic. 	



S. NO.	Minutes	Action by
	 In R2 – Nagarpalika chowk to DSP Road. The contractor, Mr Thakur, CM, admitted to complete the above jobs before 15th Falgun2075 BS. 	
2	With reference to PM/PIU's letter ref th No.: 137/2075-076 on 28 th January 2019 regarding laying of new water supply pipe line and it has been decided to lay new water supply pipes lines at B1 Lane (From canal to Kanchanbari Chowk) and the stretch east of Nepal Telecommunication Office at right side as advised by Nepal Water Supply Corporation (NWSC).	The employer, contractor & consultant
3	TL, Mr Chand asked about delay in installation of TOD meter at WWTP, Jatuwa for Dedicated electricity feeder line so that 3Parties may proceed to verify the outstanding as well as defect remedial lists according to contract documents pertaining to issuance of Taking Over Certificate (TOC) of STIUEIP Project which discussed during last meeting also on the request of the contractor M/S CTCE-Kalika. PM, Mr Nuepane informed us that TOD meter installation is under process and we are in touch with Nepal Electricity Authority (NEA) to do necessitating as soon as possible. He also advised DSC to bring the procurement specialist Mr Ganesh Gautam to site office (Biratnagar) for documentation of Taking Over Certificate (TOC) under STIUEIP, Biratnagar.	The employer contractor & consultant
4	It has been decided to pay the service charge @ 1.50% of estimated cost for dedicated electricity feeder line for WWTP, Jatuwa which has been requested by Nepal Electricity Authority (NEA) via their letter ref No.: 2074/075-611 on 2075/06/02 BS to deposit the supervision charge of NRs. 403,045.46 (In words: Nepalese Rupees Four hundred three Thousand Forty Five and Forty six paisa only) to NEA A/C No.: 0701010203601 (Nabil Bank). PM, Mr Nuepane said that pay to the concerned authority contractually and emphasized to keep the receipt of payment in IPC for our record.	The
5	TL, Chand informed that as per Project Manager (PM), PIU letter to Project Director and copy to Team Leader, DSC dated on 30 th December 2018 pertaining to the financial implication to rectify the drain to meet the kerb stone is comes around 0.70% (Zero decimal Seventy percentage) of the contract amount.	The employer & consultant

sterfer.

Page 2 of Pages 2



ANNEX-3: LABORATORY TEST RESULTS OF JANUARY, 2019 Attached

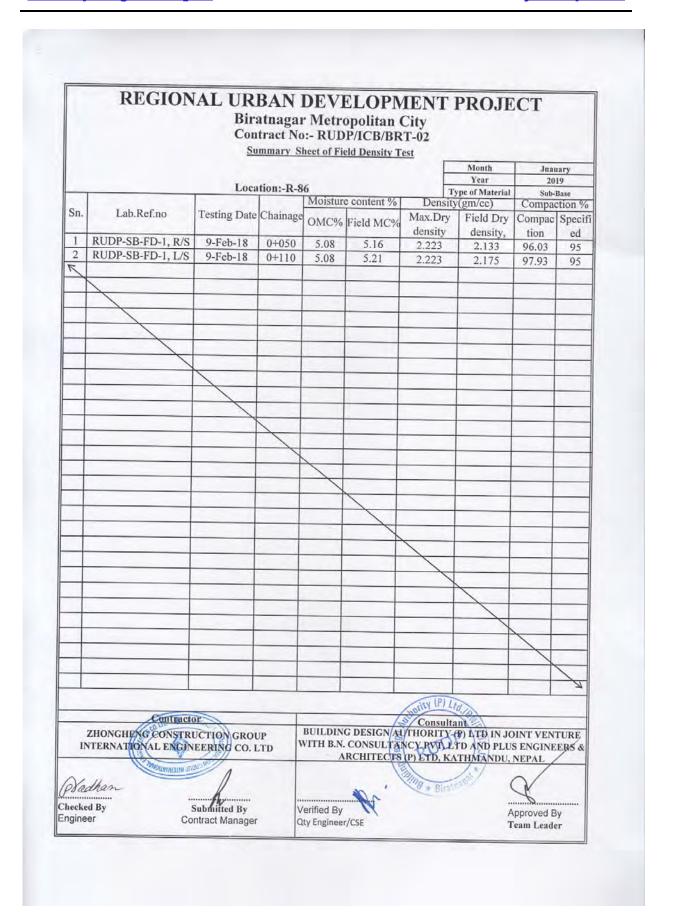
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1	RUDP-B-FD-1, R/S	5-Jan-19	0+080	5.90	5.66	density 2.244	density, 2.240	99,80	98
2	RUDP-B-FD-1, L/S	5-Jan-19	0+160	5.90	5.00	2.244	2.239	99.80	98
3	RUDP-B-FD-1, R/S	5-Jan-19	0+200	5.90	4.85	2.244	2.219	98.87	98
4	RUDP-B-FD-1, L/S	5-Jan-19	0+250	5.90	5.99	2.244	2.236	99,63	98
5	RUDP-B-FD-1, L/S	5-Jan-19	0+280	6.00	5.98	2.244	2.208	98.58	98
6	RUDP-B-FD-1, R/S	5-Jan-19	0+320	6.00	6.02	2.240	2.208	98.57	98
7	RUDP-B-FD-1, L/S	5-Jan-19	0+380	6.00	5,91	2.240	2.196	98.04	98
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2	RUDP-SG-FD-1, LHS	20-Jan-19	0+050	8.20	(7,67	1.980	1.909	96.41	95
3	RUDP-SG-FD-1, CL	20-Jan-19	0+090	8.20	6:42	1.980	1.944	98.18	95
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Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specified %
1	RUDP-SG-FD-1, L/S	9-Jan-19	0+050	7.20	7.16	1.980	1.924	97.19	95
2	RUDP-SG-FD-1, R/S	9-Jan-19	0+080	7.20	6.96	1.980	1.914	96.66	95
3	RUDP-SG-FD-1, L/S	9-Jan-19	0+120	7.20	7.06 6.15	1.980	1.906	96.25	95
4	RUDP-SG-FD-1, L/S	9-Jan-19	0+180	7.20	0.15	1.980	1.903	96.12	95
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						/	nority (P) Ltd		
	Co	ntractor * D	ONGU			18	Consultant	1	
ZH	ONGHENG CONSTRUC	TION GROUP I	NTERNA	TIONAL	WITH B.N.	CONSULTA	THORITY (P) ANGY FVT, LT S (P) LTD, KAT	LTD IN JOIN D AND PLUS I	MGINEERS
	Padhan	INFORMATION OF THE	1/1		100	1.5	# Biratna	8	
	Checked By Engineer	S	ul mitted I	Зу	Verified By Qty Enginder/	CSE		Approved By Team Leader	

	REGION	Con	atnaga tract N	r Metro o:- RUD	ELOPN opolitan P/ICB/BR eld Density T	RT-02					
							Month Year		iary		
		Location:-X	enail Fro			Ty	pe of Material		19 Base		
Sn.	Lab.Ref.no	m at w		Moistur	e content %	Density	(gm/cc)	Compa	ction %		
511.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry	Field Dry	Compac	Specifi		
1	RUDP-SB-FD-1, R/S	9-Jan-19	0+040			density	density,	tion	ed		
2	RUDP-SB-FD-1, C/L	9-Jan-19	0+040	5.50	5.48	2.226	2.172	97.56	95		
3	RUDP-SB-FD-1, L/S	9-Jan-19	0+130	5.50		2.226	2.141	96.17	95		
4	RUDP-SB-FD-1, R/S		0+180	5.50	4.82 5.43	2.226	2.134	95.88	95		
			0.100	5.50	5,45	2.226	2.191	98.43	195		
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	Contracto					Consultar	nt				
IN	ZHONGHENG CONSTRU TERNATIONAL ENGIN	CTION CROU	P TD V	VITH B.N.	G DESIGN AU CONSULTAI RCHITECTS	THORITY (I	P) LTD IN JO D AND PLUS	ENGINE	TURE ERS &		
******	dhan	h		4		Birat		3			
gine		ubmitted By htract Manager		erified By ty Enginger,	./		A	oproved Brande			



		S	ummary Sheet of M	Ionthly Test Repo	rt	Mor	th:	Jai	nuary
						Ye. Type			019
-		1	Location	1:-R-87		Mate		Sub	grade
Sn.	Lab.Ref no.	Location of Sample	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remarks
1	RUDP-SG-01	R-87,(0+090)	Existing Road	8-Jan-19	1.980	11.10	9.74	7.48	
+									
				-					
						KY (P) 15			
		Contractor Mount			1300	nsultan			
HONO	GHENG CONSTR ENGI	VCTION GROUP NEERING CO. 141	INVERNATIONAL	VENTURE WIT	HB.N.G	& ARCH	ANCY HTECT	PVT. LT S (P) LT	JOINT ID AND ID,
				0	100	* Biratna		/	
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Nad.	Kan			Poply			4	5	
CHONO	GHENG CONSTR ENGI	UCTION GROUP	INVERNATIONAL	BUILDING DE VENTURE WIT PLUS ENG	SIGNAL	THORK ONSULT & ARCH	TY (P) ANCY HTECT	PVT. LT S (P) LT	JO TD,



	REGIO	ONAL U	iratna; contract	gar Me No:- R	etropolita UDP/ICB/	n City BRT-02	T PRO	JECT	
			Summar	y Sheet o	f Field Densi	ty Test	221117		
						-	Month - Year	Janu 201	
			Loca	tion:-F		T	ype of Material	Sub-G	
				Moisture	e content %		(gm/cc)	Compac	tion %
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specified %
1	RUDP-SG-FD-1, L/S	12-Jan-19	0+040	11.10	9,46	1.980	1.927	97.32	95
2	RUDP-SG-FD-1, R/S	12-Jan-19	0+110	11.10	9.74	1.980	1.901	96.01	95
_						(Dut	ority (P)		_
	TO THE OTHER					(5)	15		
	ZHONGHENG CONSTI	RUCTION GRO		BUILD B.N. CON	SULTANCY	AUTHORIT	Y POLTO IN	IOINT VENTU INEERS & AR	RE WITH CHITECTS
hec	adhan ked By	Submitted By Contract Manage	r	Verified B Qty Engine	×.		Biratnayat *	Approved By Team Leader	****

		KEGI		Biratn	AN DEVE agar Metrop act No:- RUDP eet of Concret	olitan Ci ICB/BRT-	ty 02	OJECT			
								Month		Ja	nuary
								Year			019
					-	-	Ту	pe of Material			c. Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand o		Date of Casting	Date o	of Testing	Strength	n, N/mm2	Concre
1	T2L24C	RUDP-1256	Salimar	OPC	00		7 Days	28 Days	7 Days	28 Days	Grade
2	R-10	RUDP-1257	Salimar	OPC	Chisang Khola Chisang Khola		11-Dec-18	1-Jan-19		21.83	M20
3.	T2L24C	RUDP-1258	Salimar	OPC			11-Dec-18	1-Jan-19		22.88	M20
4	R-84	RUDP-1259	Salimar	OPC	Chisang Khola		11-Dec-18	1-Jan-19		23.56	M20
5	R-23	RUDP-1260	Salimar		Chisang Khola	4-Dec-18	11-Dec-18	1-Jan-19		22.20	M20
6	R-10	RUDP-1261	Salimar	OPC	Chisang Khola		11-Dec-18	1-Jan-19		23.33	M20
7	Koshi-yard			OPC	Chisang Khola		11-Dec-18	1-Jan-19		22.80	M20
8	R-6	RUDP-1262	Saptakoshi	OPC	Chisang Khola		11-Dec-18	1-Jan-19		22.05	M20
9	DDC-yard	RUDP-1263	Saptakoshi	OPC	Chisang Khola		11-Dec-18	1-Jan-19		21.52	M20
10		RUDP-1264	Saptakoshi	OPC	Chisang Khola		12-Dec-18	2-Jan-19		23.78	M20
	R-23	RUDP-1265	Saptakoshi	OPC	Chisang Khola	5-Dec-18	12-Dec-18	2-Jan-19		23.10	M20
11	R-12	RUDP-1266	Saptakoshi	OPC	Chisang Khola	5-Dec-18	12-Dec-18	2-Jan-19		21.83	M20
12	T2L24C	RUDP-1267	Saptakoshi	OPC	Chisang Khola	5-Dec-18	12-Dec-18	2-Jan-19	1	23,26	M20
13	R-90	RUDP-1268	Saptakoshi	OPC	Chisang Khola	5-Dec-18	12-Dec-18	2-Jan-19		22.95	M20
14	R-45	RUDP-1269	Saptakoshi	OPC	Chisang Khola	5-Dec-18	12-Dec-18	2-Jan-19		23.48	M20
15	T3L6A	RUDP-1270	Saptakoshi	OPC	Chisang Khola	5-Dec-18	12-Dec-18	2-Jan-19		23.33	
16	R-90	RUDP-1271	Saptakoshi	OPC	Chisang Khola	5-Dec-18	12-Dec-18	2-Jan-19			M20
17	R-23	RUDP-1272	Saptakoshi	OPC	Chisang Khola	5-Dec-18	12-Dec-18	2-Jan-19		22.28	M20
18	Madhumara yard	RUDP-1273	Saptakoshi	OPC	Chisang Khola	5-Dec-18	12-Dec-18	2-Jan-19 2-Jan-19		22.88	M20
19	T3L6A	RUDP-1274	Saptakoshi	OPC	Chisang Khola	6-Dec-18				27.11	M25
20	R-103	RUDP-1275	Saptakoshi	OPC	Chisang Khola	6-Dec-18	13-Dec-18	3-Jan-19		21.30	M20
21	R-7	RUDP-1276	Saptakoshi	OPC	Chisang Khola	6-Dec-18	13-Dec-18	3-Jan-19		22.28	M20
22	T3L23	RUDP-1277	Saptakoshi	OPC	Chisang Khola		13-Dec-18	3-Jan-19		23.26	M20
23	R-6	RUDP-1278	Saptakoshi	OPC	Chisang Khola	7-Dec-18	14-Dec-18	4-Jan-19		23.03	M20
24	R-45	RUDP-1279	Saptakoshi	OPC	Chisang Khola	7-Dec-18	14-Dec-18	4-Jan-19		15.66	M15
25	T3L23A	RUDP-1280	Saptakoshi	OPC	Chisang Khola	7-Dec-18	14-Dec-18	4-Jan-19		23.78	M20
26	DDC-yard	RUDP-1281	Salimar	OPC	Chisang Khola	7-Dec-18	14-Dec-18	4-Jan-19		22.05	M20
27	Koshi-yard	RUDP-1282	Salimar	OPC		8-Dec-18	15-Dec-18	5-Jan-19		22.13	M20
28	R-23	RUDP-1283	Salimar	OPC	Chisang Khola	8-Dec-18	15-Dec-18	5-Jan-19		21.90	M20
29	R-6	RUDP-1284	Salimar	OPC	Chisang Khola	8-Dec-18	15-Dec-18	5-Jan-19		21.75	M20
30	Madhumara yard	RUDP-1285	Salimar		Chisang Khola	8-Dec-18	15-Dec-18	5-Jan-19		16.04	M15
31	Madhumara yard			OPC	Chisang Khola	8-Dec-18	15-Dec-18	5-Jan-19		26.98	M25
32	R-84	RUDP-1286	Salimar	OPC	Chisang Khola	8-Dec-18	15-Dec-18	5-Jan-19		26.89	M25
33	13L23	RUDP-1287	Salimar	OPC	Chisang Khola	8-Dec-18	15-Dec-18	5-Jan-19		21.90	M20
34		RUDP-1288	Salimar	OPC	Chisang Khola	9-Dec-18	16-Dec-18	6-Jan-19		21.75	M20
_	Madhumara yard	RUDP-1289	Salimar		Chisang Khola	9-Dec-18	16-Dec-18	6-Jan-19		22.05	M20
35	DDC-yard	RUDP-1290	Salimar		Chisang Khola	9-Dec-18	16-Dec-18	6-Jan-19		22.28	M20
6	T3L9	RUDP-1291	Salimar		Chisang Khola	9-Nov-18	16-Nov-18	7-Dec-18		23.26	M20
37	R-10	RUDP-1292	Salimar			10-Dec-18	17-Dec-18	7-Jan-19		22.28	M20
8	Madhumara yard	RUDP-1293	Salimar	OPC	Chisang Khola	10-Dec-18	17-Dec-18	7-Jan-19		28.58	M25
9	R-23	RUDP-1294	Salimar	OPC	Chisang Khola	10-Dec-18	17-Dec-18	7-Jan-19		22.50	M20
10	R-105	RUDP-1295	Salimar	OPC	Chisang Khola		17-Dec-18	7-Jan-19		21.98	M20
1	DDC-yard	RUDP-1296	Salimar	OPC			17-Dec-18	7-USAL419/P		22.95	M20
	ZHONGHEN	Contractor CONSTRUCT CONSTRUCT	CTION GRO	OUP . LTD	VENT	RE WITH	ESIGN AU B.N. CONS & ARCHET	THORITY SULTANCY ECTS (P) LT	(P) LTD PVT, L	IN JOI	NT O PLUS
	Thecked By		Submitted		Verified	By	×	Biratnado		proved E	



		KEG	IONAL Sun	Contr	AN DEV nagar Me ract No:- RU heet of Cond	rop DP/	olitan C	ity -02	ROJEC	Т		
									Month		I Ji	nuary
									Year			2019
									Type.of Mater	ial		c. Cube
S.N.	Location	Lab Ref.no	Type of Cement	Brand of Cemen			Date of Casting	Date	of Testing	Stre	ngth, N/mm2	Concre
42	Koshi-yard	RUDP-129	7 Salimar	Onc	000			7 Days	28 Days	7 D	ays 28 Days	Grade
43	T3L24C	RUDP-129		OPC	Chisang K	hola	11-Dec-1			1-1	23.48	M20
44	R-10	RUDP-1299		OPC	Chisang K	hola	11-Dec-18				22.80	M20
45	Koshî-yard	RUDP-1300) Salimar	OPC	Chisang K		11-Dec-18				23.48	M20
46	R-45	RUDP-1301		OPC	Chisang K		12-Dec-18				21.83	M20
47	R-6	RUDP-1302		OPC	Chisang Kl	noia	12-Dec-18	19-Dec-1	8 9-Jan-19		24.16	M20
48	Madhumara yard	RUDP-1303	Saptakoshi		Chisang K		12-Dec-18				22.28	M20
49	R-12	RUDP-1304		OPC	Chisang Kl	iola	12-Dec-18				21.60	M20
50	R-84	RUDP-1305	Saptakoshi		Chisang Kl	iola	13-Dec-18				22,35	M20
51	R-102	RUDP-1306		OPC	Chisang Ki	ola	13-Dec-18		3 10-Jan-19		23.10	M20
52	DDC-yard	RUDP-1307		OPC	Chisang Kl	ola	14-Dec-18	21-Dec-18			21.98	M20
53	DDC-yard			OPC	Chisang Kl	ola	15-Dec-18	22-Dec-18			24.38	
54	R-12	RUDP-1308 RUDP-1309		OPC	Chisang Kh	ola	15-Dec-18				23.33	M20
55	Madhumara yard	RUDP-1309		OPC	Chisang Kh		15-Dec-18		12-Jan-19		22.20	M20
56	Madhumara yard	RUDP-1310		OPC	Chisang Kh		16-Dec-18	23-Dec-18			26.49	M20
57	DDC-yard	RUDP-1311 RUDP-1312	Saptakoshi	OPC	Chisang Kh	ola	16-Dec-18	23-Dec-18			28.11	M25
58	R-63	RUDP-1312	Saptakoshi	OPC	Chisang Kh	ola	17-Dec-18	24-Dec-18			22.88	M25
59	R-8	RUDP-1313	Saptakoshi	OPC	Chisang Kh	ola	17-Dec-18	24-Dec-18	100000000000000000000000000000000000000	1	23.63	M20
60	Madhumara yard	RUDP-1314	Saptakoshi	OPC	Chisang Kh	ola	17-Dec-18	24-Dec-18		1	22.20	M20
51	R-6	RUDP-1315	Saptakoshi	OPC	Chisang Kho	ola	18-Dec-18	25-Dec-18	15-Jan-19		27.83	M20
62		RUDP-1316	Saptakoshi	OPC	Chisang Kho	ola	19-Dec-18	26-Dec-18	16-Jan-19			M25
53	Koshi-yard	RUDP-1317	Saptakoshi	OPC	Chisnng Kho		19-Dec-18	26-Dec-18	16-Jan-19	-	17.23	M15
54	Koshi-yard	RUDP-1318	Saptakoshi	OPC	Chisang Kho	la	19-Dec-18	26-Dec-18	16-Jan-19		24.46	M20
55	R-6	RUDP-1319	Saptakoshi	OPC	Chisang Kho	la Z	20-Dec-18	27-Dec-18	17-Jan-19		24.16	M20
66	R-6	RUDP-1320	Saptakoshi	OPC	Chisang Kho	la :	20-Dec-18	27-Dec-18	17-Jan-19	-	16,11	M15
7	DDC-yard	RUDP-1321	Saptakoshi	OPC	Chisang Kho	la 2	21-Dec-18	28-Dec-18	18-Jan-19	-	21.90	M20
8	Madhumara yard	RUDP-1322	Salimar	OPC	Chisang Kho	la 2	21-Dec-18	28-Dec-18	18-Jan-19		23.10	M20
9	Madhumara yard	RUDP-1323	Salimar	OPC	Chisang Kho	la 2	2-Dec-18	29-Dec-18	19-Jan-19	-	21.30	M20
0	R-6	RUDP-1324	Salimar	OPC	Chisang Kho	_		30-Dec-18	20-Jan-19	-	26.89	M25
1	DDC-yard	RUDP-1325	Salimar	OPC	Chisang Kho		3-Dec-18	30-Dec-18	20-Jan-19	-	21.90	M20
_	R-84	RUDP-1326	Salimar	OPC	Chisang Kho	a 2	4-Dec-18	31-Dec-18	21-Jan-19	-	24.01	M20
2	R-9	RUDP-1327	Salimar		Chisang Kho.		4-Dec-18	31-Dec-18	21-Jan-19 21-Jan-19		22.28	M20
3	DDC-yard	RUDP-1328	Saptakoshi		Chisang Khol		5-Dec-18	1-Jan-19	21-Jan-19 22-Jan-19	716.00	23.48	M20
4	T2L11E	RUDP-1329	Saptakoshi	OPC	Chisang Khol		5-Dec-18	1-Jan-19		16.78	21.98	M20
5	Koshi-yard		Saptakoshi		Chisang Khol		5-Dec-18	1-Jan-19	22-Jan-19 22-Jan-19	17.31		M20
5	R-84	RUDP-1331	Saptakoshi	OPC (Chisang Khol		5-Dec-18	1-Jan-19	22-Jan-19	16.41	23,33	M20
7	R-20		Saptakoshi	OPC (Chisang Khol		5-Dec-18	1-Jan-19 1-Jan-19	22-Jan-19	16.78	21.37	M20
3	R-10		Saptakoshi	OPC (Chisang Khol	1 2	5-Dec-18	1-Jan-19	22-Jan-19	16.63	22.05	M20
	R-34		Saptakoshi	OPC (Chisang Kholi	1 2	5-Dec-18	1-Jan-19	22-Jan-19	16.93	22.28	M20
					Chisang Khola		5-Dec-18	1-Jan-19	22-Jan-19	17.31	23.78	M20
1	T3L11H	RUDP-1336	en .		Chisang Khola		-Dec-18	1-Jan-19 1-Jan-19	22-Jan-19	14.99		M20
	R-34	RUDP-1337			Chisang Khola		-Dec-18		22-Jan-19	15.52		M20
		Contractor			3.11010	-	500-10	-	22 dein-19 insultant	15.14	21.52	M20
	ZHONGHENG INTERNATION	CONSTRUC	ERING OO.	UP LTD	VEN	UK	E WITH	ESIGNAU B.N. CON ARCHITI	THORITY SULTANEY ECTS (P) L EPAL	PVT	LTD AND	DITTE
Ch	CM eckel By	-	Submitted	Day		N			Biratnana 1	06		
	Engineer	(Contract Man	ager	Verifi Qty Er		er/CSE				pproved By	

		REGI		Biratn Contra	AN DEV agar Met ct No:- RU eet of Conc	ropolit DP/ICB	an Cit	y 12	ROJECT			
									Month		Ja	nuary
									Year			019
								T	ype of Materia	1	Con	c. Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	100000000000000000000000000000000000000		Date of Casting		of Testing		h, N/mm2	Concret
83	DDC-yard	RUDP-1338	Contabashi	ORC	CII 1			7 Days	28 Days	7 Days	28 Days	- Critica
84	R-23	RUDP-1339	Saptakoshi Saptakoshi	OPC	Chisang K		Dec-18	1-Jan-19	22-Jan-19	14.25	20.62	M20
85	R-12	RUDP-1340	Saptakoshi	OPC	Chisang K		Dec-18	2-Jan-19	23-Jan-19	14.25	20.62	M20
86	R+6	RUDP-1341	Saptakoshi	OPC	Chisang K		Dec-18	2-Jan-19	23-Jan-19	15.81	21.90	M20
87	T3L8	RUDP-1342	Saptakoshi	OPC	Chisang K		Dec-18	2-Jan-19	23-Jan-19	12.20	17.23	M15
88	T3L6A	RUDP-1343	Saptakoshi	OPC	Chisang K		Dec-18	2-Jan-19	23-Jan-19	15.81	21.90	M20
89	T3L11B	RUDP-1344	Saptakoshi	OPC	Chisang Ki		Dec-18	2-Jan-19	23-Jan-19	15.74	22.34	M20
90	R-34	RUDP-1345	Saptakoshi	OPC	Chisang Ki		Dec-18	2-Jan-19	23-Jan-19	15.66	21.83	M20
91	R-20	RUDP-1346	Saptakoshi	OPC	Chisang Ki			2-Jan-19	23-Jan-19	15.29	21.67	M20
92	R-84	RUDP-1347	Saptakoshi	OPC	Chisang Ki		Dec-18	2-Jan-19	23-Jan-19	16.63	21.98	M20
93	R-23	RUDP-1348	Saptakoshi	OPC	Chisang Ki		Dec-18 Dec-18	2-Jan-19	23-Jan-19	16.19	22.05	M20
94	Koshi Yard	RUDP-1349	Saptakoshi	OPC	Chisang Ki		Dec-18	2-Jan-19	23-Jan-19	15,29	21.90	M20
95	R-21	RUDP-1350	Saptakoshi	OPC	Chisang Ki		Dec-18	3-Jan-19	24-Jan-19	15.66	22.95	M20
96	R-10	RUDP-1351	Saptakoshi	OPC	Chisang Kh		Dec-18	3-Jan-19	24-Jan-19	15.29	21.75	M20
97	T2L24F	RUDP-1352	Saptakoshi	OPC	Chisang Kh		Dec-18	3-Jan-19	24-Jan-19	15.81	21.98	M20
8	T3L11E	RUDP-1353	Saptakoshi	OPC	Chisang Kh		Dec-18	3-Jan-19	24-Jan-19	16.71	22.28	M20
19	Koshi Yard	RUDP-1354	Saptakoshi	OPC	Chisang Kh		Dec-18	3-Jan-19	24-Jan-19	15.81	21.37	M20
00	Madhumara yard	RUDP-1355	Saptakoshi	OPC	Chisang Kh		Dec-18	3-Jan-19 3-Jan-19	24-Jan-19	15.59	21.90	M20
01	T2L19Q	RUDP-1356	Saptakoshi	OPC	Chisang Kh		Dec-18	3-Jan-19	24-Jan-19	17.31	26.72	M25
02	R-12	RUDP-1357	Saptakoshi	OPC	Chisang Kh		Dec-18		24-Jan-19	15.22	21.90	M20
03	R-20	RUDP-1358	Saptakoshi	OPC	Chisang Kh		Dec-18	3-Jan-19	24-Jan-19	16.41	23.18	M20
04	T3L8	RUDP-1359	Saptakoshi	OPC	Chisang Kh		Dec-18	3-Jan-19 4-Jan-19	24-Jan-19	15.66	22.28	M20
05	DDC-yard	RUDP-1360	Saptakoshi	OPC	Chisang Kh		Dec-18	4-Jan-19	25-Jan-19 25-Jan-19	14.77	21.98	M20
06	DDC-yard	RUDP-1361	Saptakoshi	OPC	Chisang Kh	ola 28-I	Dec-18	4-Jan-19	25-Jan-19	15.66	22,43	M20
)7	R-84	RUDP-1362	Saptakoshi	OPC	Chisang Kh		Dec-18	4-Jan-19	25-Jan-19	14.25	21.00	M20
08	R-20	RUDP-1363	Salimar	OPC	Chisang Kh	ola 28-L	Dec-18	4-Jan-19	25-Jan-19	15.44	22.28	M20
)9	R-21A	RUDP-1364	Salimar	OPC	Chisang Kh		Dec-18	4-Jan-19	25-Jan-19	15,37	21.98	M20
10	Koshi Yard	RUDP-1365	Salimar		Chisang Kho		Dec-18	4-Jan-19	25-Jan-19	14.02	21.30	M20 M20
1	Madhumara yard	RUDP-1366	Salimar		Chisang Kho		Dec-18	4-Jan-19	25-Jan-19	17.45	26.73	M25
2	Madhumara yard	RUDP-1367	Salimar	OPC	Chisang Kho	ola 28-E	Dec-18	4-Jan-19	25-Jan-19	16.11	22.82	
3	T2L122a	RUDP-1368	Salimar		Chisang Kho		Dec-18	5-Jan-19	26-Jan-19	15.89	23.42	M20 M20
4	R-12	RUDP-1369	Saptakoshi		Chisang Kho		Dec-18	5-Jan-19	26-Jan-19	15.22	21.61	M20
5	T2L18Y	RUDP-1370	Saptakoshi	OPC	Chisang Kho	ola 29-D	Dec-18	5-Jan-19	26-Jan-19	15.14	21.39	M20
6	R-84	RUDP-1371	Saptakoshi		Chisang Kho			5-Jan-19	26-Jan-19	16.04	21.69	
7	DDC-yard	RUDP-1372	Saptakoshi	OPC	Chisang Kho	ola 29-D	ec-18	5-Jan-19	26-Jan-19	17.08	21.84	M20 M20
8	Madhumara yard	RUDP-1373	Saptakoshi	OPC	Chisang Kho	la 29-D	ec-18	5-Jan-19	26-Jan-19	15.59	23.12	M20
9	Madhumara yard		Saptakoshi	OPC	Chisang Kho			5-Jan-19	26-Jan-19	18.24	28.41	M25
0	Madhumara yard		Saptakoshi	OPC	Chisang Kho	la 29-D	ec-18	5-Jan-19	26-Jan-19	20.92	33.26	M30
1	T3L9		Saptakoshi		Chisang Kho	la 29-D	ec-18	5-Jan-19	26-Jan-19	16.11	21.52	M20
2	T3L11H		Saptakoshi		Chisang Kho		ec-18	5-Jan-19	26-Jan-19	16.04	21.30	M20
9	R-12	RUDP-1378 Contractor	Saptakoshi	OPC (Chisang Kho	la 29-D	ec-18	5-Jan-19	26-Jan-19	15.81	21.52	M20
	ZHONGHENO	CONSTRUC ENGINE	CTION GRO	OUP . LTD	VE	NTURE	WITH	ESIGN AU B:N CON ARCHUT	THORIEV SULTANCE ECTS (P) E NEPAL	PVT.	TD AND	PLUS
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			pw.			IK.				6		
(Checked By		Submitted		Veri	fied Bk				Am	proved B	41
	Engineer		Contract Ma		11.62-0004	Engineer	leine			3.4	am Leade	-

		REGI		Biratn: Contra	N DEVE agar Metrop ct No:- RUDP cet of Concrete	olitan Cit ICB/BRT-0	y 12	OJECT			
								Month		In	nuary
								Year			019
		T			r .		T	ype of Materia		Con	c. Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand+Agg.	Date of Casting	Date	of Testing	Strengt	h, N/mm2	Concre
104	0.00				-00	- mounty	7 Days	28 Days	7 Days	28 Days	Grade
124	R-23 T3L11B	RUDP-1379	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	14.82	23.26	M20
126	T2L25	RUDP-1380	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	15.89	22.95	M20
127	T2L18Y	RUDP-1381 RUDP-1382	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	15.81	21.98	M20
128	T3L13E	RUDP-1383	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	15.22	23.10	M20
129	T2L19P	RUDP-1384	Saptakoshi Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	15.37	21.83	M20
130	T3L19J	RUDP-1385		OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	15.89	23.26	M20
131	T3L19J	RUDP-1386	Saptakoshi Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	15.66	22,50	M20
132	T3L6A	RUDP-1386	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	15.96	22.58	M20
133	T3L13D	RUDP-1388	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	15.52	22.95	M20
134	Koshi Yard	RUDP-1389	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	15,22	22.28	M20
135	R-20	RUDP-1389	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	15.81	21.60	M20
136	R-34	RUDP-1390	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	16.26	23.26	M20
137	T3L11H	RUDP-1391	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	15,29	21.90	M20
138	R-20	RUDP-1393	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	16.11	22.13	M20
39	Madhumara yard	RUDP-1394	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	14.82	21.98	M20
40	DDC-yard	RUDP-1395	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	17,38	26.72	M25
41	R-34	RUDP-1396	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	14.84	21.98	M20
42	R-35	RUDP-1397	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	15.07	22.73	M20
43	R-20	RUDP-1398	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	15,22	22.50	M20
44	R-34	RUDP-1399	Saptakoshi	OPC	Chisang Khola	1-Jan-18	8-Jan-18	29-Jan-18	16.26	21.98	M20
45	R-8	RUDP-1400	Saptakoshi	OPC	Chisang Khola	1-Jan-18	8-Jan-18	29-Jan-18	15.22	22.80	M20
46	T2L19Q	RUDP-1401	Saptakoshi	OPC	Chisang Khola	I-Jan-18	8-Jan-18	29-Jan-18	15.89	22,95	M20
47	R-23	RUDP-1402	Saptakoshi		Chisang Khola	1-Jan-18	8-Jan-18	29-Jan-18	15.07	24.01	M20
48	Madhumara yard	RUDP-1403	Saptakoshi	OPC	Chisang Khola Chisang Khola	1-Jan-18	8-Jan-18	29-Jan-18	15.81	21.98	M20
49	T3L11E	RUDP-1404	Saptakoshi	OPC	Chisang Khola	1-Jan-18	8-Jan-18	29-Jan-18	17.31	26.42	M25
50	R-6	RUDP-1405	Saptakoshi	OPC	Chisang Khola	1-Jan-18 1-Jan-18	8-Jan-18	29-Jan-18	14.32	21.37	M20
51	R-12	RUDP-1406	Saptakoshi	OPC	Chisang Khola		8-Jan-18	29-Jan-18	11.71	16.63	M15
52	R-84	RUDP-1407	Saptakoshi	OPC	Chisang Khola	1-Jan-18	8-Jan-18	29-Jan-18	15.29	23.10	M20
53	T3L8	RUDP-1408	Saptakoshi		Chisang Khola	1-Jan-18	8-Jan-18	29-Jan-18	15.81	22.65	M20
54	T2L22A	RUDP-1409	Saptakoshi		Chisang Khola	1-Jan-18	8-Jan-18	29-Jan-18	15.66	22.88	M20
55	T3L11E	RUDP-1410	Saptakoshi	OPC	Chisang Khola	2-Jan-18	9-Jan-18	30-Jan-18	14.69	21.90	M20
56	R-23	RUDP-1411	Saptakoshi		Chisang Khola	2-Jan-18	9-Jan-18	30-Jan-18	15,29	21.67	M20
57	R-6	RUDP-1411	Saptakoshi		Chisang Khola	2-Jan-18	9-Jan-18	30-Jan-18	15.37	23.56	M20
58	T3L9	RUDP-1413	Saptakoshi		Chisang Khola	2-Jan-18	9-Jan-18	30-Jan-18	11.97	17.45	M15
59	DDC-yard	RUDP-1414	Saptakoshi		Chisang Khola	2-Jan-18	9-Jan-18	30-Jan-18	15.59	23.71	M20
50	DDC-yard	RUDP-1415	Saptakoshi		Chisang Khola	2-Jan-18 2-Jan-18	9-Jan-18	30-Jan-18	15.66	21.00	M20
51	T3L8	RUDP-1416	Saptakoshi	OPC	Chisang Khola		9-Jan-18	30-Jan-18	16.19	23.26	M20
52	T3L13D	RUDP-1417	Saptakoshi		Chisang Khola Chisang Khola	2-Jan-18 2-Jan-18	9-Jan-18	30-Jan-18	15.81	21.67	M20
53	T3L13D	RUDP-1418	Saptakoshi		Chisang Khola	3-Jan-18	9-Jan-18	30-Jan-18	15.07	21.98	M20
64	T2L24F	RUDP-1419	Saptakoshi		Chisang Khola	3-Jan-19	10-Jan-18	31-Jan-18	14.92	22.20	M20
		Contractor		010	Cuisang Khota	3-Jan-19	10-Jan-19	31-Jan-19	16.11	21.37	M20
	ZHONGHEN	CONSTRI	CTION OR	OUP . LTD	VENT	RE WITH	ESIGN AL B.N. CON ARCUIT	THORITY SULTANCY ECTS (P) L' NEPAL	PVT. I	TD ANI	PLUS
	Thecked By		Submitted	l By	Verified	Pro By		* Biratnagas			
	Engineer		Contract Ma			ineer/CSE			Ap	proved I	By er



		REGI		Biratn:	N DEVE agar Metro et No:- RUD eet of Concre	politan Cit P/ICB/BRT-0	ty 02	OJECT			
								Month		Ja	nuary
								Year			019
							Ту	pe of Material		Cone	. Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand+Agg.	Date of Casting		f Testing		n, N/mm2	Concre
165	T3L11E	DIIDD 1400	0 . 1 . 11	000	-		7 Days	28 Days	7 Days	28 Days	Grade
166	T23L19Q	RUDP-1420 RUDP-1421	Saptakoshi	OPC	Chisang Kho		10-Jan-19	31-Jan-19	16.93	22.80	M20
167	R-12	RUDP-1421	Saptakoshi Saptakoshi	OPC	Chisang Kho		10-Jan-19	31-Jan-19	16.86	22.95	M20
168	Madhumara yard	RUDP-1423	Saptakoshi	OPC	Chisang Kho Chisang Kho		10-Jan-19	31-Jan-19	16.86	21.52	M20
169	Madhumara yard	RUDP-1424	Saptakoshi	OPC	Chisang Kho		10-Jan-19 10-Jan-19	31-Jan-19 31-Jan-19	17.31	27.36	M25
70	T3L6A	RUDP-1425	Saptakoshi	OPC	Chisang Kho		10-Jan-19	31-Jan-19	18.51	28.65	M25
171	T3L11H	RUDP-1426	Saptakoshi	OPC	Chisang Kho		10-Jan-19	31-Jan-19	15.44	24.61	M20
172	R-84	RUDP-1427	Saptakoshi	OPC	Chisang Kho		10-Jan-19	31-Jan-19	15.07	23.93	M20 M20
73	Madhumara yard	RUDP-1428	Saptakoshi	OPC	Chisang Kho		11-Jan-19	1-Feb-19	23.05	23.40	M30
74	R-6	RUDP-1429	Saptakoshi	OPC	Chisang Khol		11-Jan-19	1-Feb-19	11.60		M15
75	R-10	RUDP-1430	Saptakoshi	OPC	Chisang Khol		11-Jan-19	1-Feb-19	15.66	-	M20
76	R-6	RUDP-1431	Saptakoshi	OPC	Chisang Khol		12-Jan-19	2-Feb-19	16.26		M20
77	DDC-yard	RUDP-1432	Saptakoshi	OPC	Chisang Khol		12-Jan-19	2-Feb-19	17.01		M20
78	R-5	RUDP-1433	Saptakoshi	OPC	Chisang Khol		12-Jan-19	2-Feb-19	15.81		M20
79	R-29	RUDP-1434	Saptakoshi	OPC	Chisang Khol		12-Jan-19	2-Feb-19	15.81		M20
80	R-34	RUDP-1435	Saptakoshi	OPC	Chisang Khol		12-Jan-19	2-Feb-19	16.41		M20
81	T3L8	RUDP-1436	Saptakoshi	OPC	Chisang Khol	a 5-Jan-19	12-Jan-19	2-Feb-19	15.59		M20
82	T3L9	RUDP-1437	Saptakoshi	OPC	Chisang Khol	5-Jan-19	12-Jan-19	2-Feb-19	17.08		M20
83	T3L13J	RUDP-1438	Saptakoshi	OPC	Chisang Khol	5-Jan-19	12-Jan-19	2-Feb-19	14.77		M20
84	T2L19P	RUDP-1439	Saptakoshi	OPC	Chisang Khol	5-Jan-19	12-Jan-19	2-Feb-19	14.02		M20
85	R-10	RUDP-1440	Saptakoshi	OPC	Chisang Khol	5-Jan-19	12-Jan-19	2-Feb-19	21.78		M20
86	R-34	RUDP-1441	Saptakoshi	OPC	Chisang Khol	6-Jan-19	13-Jan-19	3-Feb-19	22.15		M20
87	T3L8	RUDP-1442	Saptakoshi	OPC	Chisang Khol	6-Jan-19	13-Jan-19	3-Feb-19	22.83		M20
88	Madhumara yard	RUDP-1443	Salimar	OPC	Chisang Khol		13-Jan-19	3-Feb-19	17.66		M25
89	Madhumara yard	RUDP-1444	Salimar	OPC	Chisang Khol		13-Jan-19	3-Feb-19	17.23		M25
90	T2L19P	RUDP-1445	Salimar	OPC	Chisang Khola		14-Jan-19	4-Feb-19	14.55		M20
91	DDC-yard	RUDP-1446	Salimar		Chisang Khola		14-Jan-19	4-Fcb-19	14.40		M120
93	R-23	RUDP-1447	Salimar	OPC	Chisang Khola		14-Jan-19	4-Feb-19	16,26		M20
94	DDC-yard R-12	RUDP-1448	Salimar		Chisang Khola		14-Jan-19	4-Feb-19	15.14		M20
95		RUDP-1449	Salimar		Chisang Khola		14-Jan-19	4-Feb-19	16.63		M20
96	Madhumara yard R-23	RUDP-1450 RUDP-1451	Salimar	OPC	Chisang Khola		14-Jan-19	4-Feb-19	15.14		M20
97	R-10	RUDP-1451	Salimar Salimar	OPC	Chisang Khola		14-Jan-19	4-Feb-19	15.66		M20
)8	T3L8	RUDP-1452			Chisang Khola		14-Jan-19	4-Feb-19	16.26		M20
99	T2L18Y	RUDP-1453	Salimar Salimar		Chisang Khola		14-Jan-19	4-Feb-19	14.92		M20
00	T2L25	RUDP-1455	Salimar	-	Chisang Khola		14-Jan-19	4-Feb-19	15.44		M20
1	T3L11H	RUDP-1456	Salimar	-	Chisang Khola		14-Jan-19	4-Feb-19	14.69		M20
12	R-23	RUDP-1457	Salimar		Chisang Khola Chisang Khola		14-Jan-19	4-Feb-19	16.86		M20
)3	R-84	RUDP-1458	Salimar		Chisang Khola		14-Jan-19	4-Feb-19	14.62		M20
)4	R-12	RUDP-1459	Salimar		Chisang Khola		14-Jan-19	4-Feb-19 5-Feb-19	16.11		M20
)5	R-84	RUDP-1460	Salimar		Chisang Khola		15-Jan-19 16-Jan-19	6-Feb-19	14.84		M20
_		Contractor			- moning KillOld	7-Jan-19		onsultant	16.26		M20
	ZHONGHEN INTERNATIO	CONSTRUCTOR ENGINE	CTIONGR		VEN'	BUILDING I TURE WITH NGINEERS	DESIGN AU H B.N. CON & ARCHEF	THORITY	PVT. I	TD AN	D PLUS
	Checked By		h	J. D.,	\$2ta		84.3	Biratne No.	6_		*****
,	Engineer		Submitte Contract Ma		Verifi	ed By ngineer/CSE				proved l	
	Luguicei		Contract Ma	anager	(Orv F)	momeer/CSE			T	am Lead	SM:

.ocation R-34 T1L5A R-10 R-10	Lab Ref.no. RUDP-1461 RUDP-1462	Type of Cement	Brand of		ce of		Ту	Month Year pe of Materia			uary 019
R-34 T1L5A R-10	RUDP-1461		7.3-10/10/10		ce of		Ту			2	019
R-34 T1L5A R-10	RUDP-1461		7.3-10/10/10		ce of		Ty	pe of Materia			
R-34 T1L5A R-10	RUDP-1461		7.3-10/10/10		ce of			-		Cone	. Cube
T1L5A R-10		Salimar			Agg.	Date of Casting		Testing		n, N/mm2	Concret
T1L5A R-10		Saiimar	ana	-			7 Days	28 Days	7 Days	28 Days	Strate
R-10	KODI-1402	Salimar	OPC	Chisang		9-Jan-19	16-Jan-19	6-Feb-19	15.22		M20
	RUDP-1463	Salimar	OPC	Chisang		9-Jan-19	16-Jan-19	6-Feb-19	16.86		M20
	RUDP-1464	Salimar	OPC	Chisang Chisang		9-Jan-19	16-Jan-19	6-Feb-19	17.45		M20
DC-yard	RUDP-1465	Salimar	OPC	Chisang		9-Jan-19 9-Jan-19	16-Jan-19 16-Jan-19	6-Feb-19	14.92		M20
R-6	RUDP-1466	Salimar	OPC	Chisang		9-Jan-19 9-Jan-19	16-Jan-19	6-Feb-19 6-Feb-19	15.22		M20
T3L8	RUDP-1467	Salimar	OPC	Chisang		9-Jan-19	16-Jan-19	6-Feb-19	11.38		M15
2L22A	RUDP-1468	Salimar							16.04		M20
R-12	RUDP-1469	Salimar	OPC								M20
umara yard	RUDP-1470	Salimar	OPC								M20 M25
iumara yard	RUDP-1471	Salimar	OPC						_		M30
3L13E	RUDP-1472	Salimar	OPC						_		M20
3L13E	RUDP-1473	Salimar	OPC	Chisang	Khola						M20
R-84	RUDP-1474	Salimar	OPC			10-Jan-19		7-Feb-19			M20
2L19Q	RUDP-1475	Salimar	OPC	Chisang	Khola	10-Jan-19	17-Jan-19	7-Feb-19			M20
TL5A	RUDP-1476	Salimar	OPC	Chisang	Khola	10-Jan-19	17-Jan-19	7-Feb-19			M20
R-10		Salimar	OPC	Chisang	Khola	10-Jan-19	17-Jan-19	7-Feb-19			M20
T3L8			OPC	Chisang	Khola	10-Jan-19	17-Jan-19	7-Feb-19	15.92		M20
		Ambe Hi-tech	OPC	Chisang	Khola	10-Jan-19	17-Jan-19	7-Feb-19	15.62		M20
				Chisang	Khola	10-Jan-19	17-Jan-19	7-Feb-19	14.73		M20
				Chisang	Khola	10-Jan-19	17-Jan-19	7-Feb-19	16.36		M20
						10-Jan-19	17-Jan-19	7-Feb-19	16.44		M20
						10-Jan-19	17-Jan-19	7-Feb-19	14.95		M20
							17-Jan-19	7-Feb-19	15.96		M20
								7-Feb-19	14.77		M20
									15.52		M20
									_		M20
											M20
											M20
											M20
					_				_		M20
R-23											M20
									_	-	M20
										_	M20
ımara yard											M25
ılachuli		The state of the s								-	M20
R-12				-	-						M20
R-84	RUDP-1499	Saptakoshi	OPC	Chisang k		12-Jan-19	19-Jan-19	9-Feb-19			M20
Carre	RUDP-1500	Saptakoshi		Chisang k		12-Jan-19	19-Jan-19	9-Feb-19	14.84	-	M20 M20
C-yard	STORY APPORT								15.00		IVIZU
C-yard R-20	RUDP-1501	Saptakoshi	OPC	Chisang k		12-Jan-19	19-Jan-19.	9-Feb-19	15.14		M20.
I I I I I I I I I I I I I I I I I I I	R-12 Imara yard Imara yard IMARA IMA	R-12 RUDP-1469 Imara yard RUDP-1470 Imara yard RUDP-1471 IL13E RUDP-1472 IL13E RUDP-1473 R-84 RUDP-1473 R-84 RUDP-1475 IL15A RUDP-1476 R-10 RUDP-1477 IL5A RUDP-1477 IL5A RUDP-1477 IL5A RUDP-1478 IL5A RUDP-1478 IL5A RUDP-1480 IL5A RUDP-1481 IL5A RUDP-1481 IL5A RUDP-1482 R-10 RUDP-1482 R-12 RUDP-1483 IL11B RUDP-1483 IL11B RUDP-1484 IL11B RUDP-1485 IL11B RUDP-1485 IL11B RUDP-1485 IL11B RUDP-1486 IL11B RUDP-1487 IL12 RUDP-1489 IL22A RUDP-1490 IL22A RUDP-1491 IL12 RUDP-1491 IL13D RUDP-1491 IL13D RUDP-1491 IL13D RUDP-1493 IL13D RUDP-1494 IL13D RUDP-1495 IL12 RUDP-1496 IL13D RUDP-1496 IL12 RUDP-1497 IL12 RUDP-1497 IL12 RUDP-1498	R-12 RUDP-1469 Salimar	R-12 RUDP-1469 Salimar OPC	EL22A RUDP-1468 Salimar OPC Chisang R-12 RUDP-1469 Salimar OPC Chisang Imara yard RUDP-1470 Salimar OPC Chisang Imara yard RUDP-1471 Salimar OPC Chisang BL13E RUDP-1472 Salimar OPC Chisang BL13E RUDP-1473 Salimar OPC Chisang R-84 RUDP-1474 Salimar OPC Chisang BL19Q RUDP-1475 Salimar OPC Chisang BL5A RUDP-1476 Salimar OPC Chisang BL5A RUDP-1478 Salimar OPC Chisang BL5A RUDP-1479 Ambe Hi-tech OPC Chisang BL5A RUDP-1479 Ambe Hi-tech OPC Chisang C-yard RUDP-1481 Ambe Hi-tech OPC Chisang C-yard RUDP-1482 Ambe Hi-tech OPC Chisang C-yard RUDP-1483 <th>EL22A RUDP-1468 Salimar OPC Chisang Khola R-12 RUDP-1469 Salimar OPC Chisang Khola Imara yard RUDP-1470 Salimar OPC Chisang Khola Imara yard RUDP-1471 Salimar OPC Chisang Khola BL13E RUDP-1472 Salimar OPC Chisang Khola BL13E RUDP-1473 Salimar OPC Chisang Khola R-84 RUDP-1474 Salimar OPC Chisang Khola BL19Q RUDP-1475 Salimar OPC Chisang Khola BL15A RUDP-1476 Salimar OPC Chisang Khola BL5A RUDP-1478 Salimar OPC Chisang Khola BL5A RUDP-1478 Salimar OPC Chisang Khola BL5A RUDP-1479 Ambe Hi-tech OPC Chisang Khola BL5A RUDP-1480 Ambe Hi-tech OPC Chisang Khola C-yard RUDP-1481 Ambe Hi-tech OPC Chisang K</th> <th> R-12 RUDP-1468 Salimar OPC Chisang Khola 10-Jan-19 </th> <th> R-12</th> <th> R-12</th> <th> R-12</th> <th> R-12</th>	EL22A RUDP-1468 Salimar OPC Chisang Khola R-12 RUDP-1469 Salimar OPC Chisang Khola Imara yard RUDP-1470 Salimar OPC Chisang Khola Imara yard RUDP-1471 Salimar OPC Chisang Khola BL13E RUDP-1472 Salimar OPC Chisang Khola BL13E RUDP-1473 Salimar OPC Chisang Khola R-84 RUDP-1474 Salimar OPC Chisang Khola BL19Q RUDP-1475 Salimar OPC Chisang Khola BL15A RUDP-1476 Salimar OPC Chisang Khola BL5A RUDP-1478 Salimar OPC Chisang Khola BL5A RUDP-1478 Salimar OPC Chisang Khola BL5A RUDP-1479 Ambe Hi-tech OPC Chisang Khola BL5A RUDP-1480 Ambe Hi-tech OPC Chisang Khola C-yard RUDP-1481 Ambe Hi-tech OPC Chisang K	R-12 RUDP-1468 Salimar OPC Chisang Khola 10-Jan-19	R-12	R-12	R-12	R-12



			Summa	ry Shee	of Concrete	CubeTest R	eport				
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	1						T	Year ope of Materia			2019
500				n		2000	Can be	of Testing			c. Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand+Agg	00,000	7 Days	28 Days	7 Days	1, N/mm2 28 Days	Concrete Grade
247	R-20	RUDP-1502	Saptakoshi	OPC	Chisang Kho	ola 12-Jan-19	19-Jan-19	9-Feb-19	15.74	20 Days	3.600
248	Madhumara yard	RUDP-1503	Saptakoshi	OPC	Chisang Kho		19-Jan-19	9-Feb-19	18.03		M20 M25
249	T1L5A	RUDP-1504	Saptakoshi	OPC	Chisang Kho	la 12-Jan-19	19-Jan-19	9-Feb-19	14.32		M20
250 251	T2L22A	RUDP-1505	Saptakoshi	OPC	Chisang Kho		20-Jan-19	10-Feb-19	15.81		M20
252	T3L11E R-23	RUDP-1506 RUDP-1507	Saptakoshi	OPC	Chisang Kho		20-Jan-19	10-Feb-19	14.47		M20
253	T3L9	RUDP-1507	Saptakoshi Saptakoshi	OPC	Chisang Kho		20-Jan-19	10-Feb-19	14.92		M20
254	T2L19P	RUDP-1509	Saptakoshi	OPC.	Chisang Kho		20-Jan-19	10-Feb-19	16.04		M20
255	R-84	RUDP-1510	Saptakoshi	OPC	Chisang Kho		20-Jan-19	10-Feb-19	15.37		M20
256	Madhumara yard	RUDP-1511	Saptakoshi	OPC	Chisang Kho		20-Jan-19 20-Jan-19	10-Feb-19 10-Feb-19	16.19		M20
257	T3L13D	RUDP-1512	Saptakoshi	OPC	Chisang Kho		20-Jan-19 20-Jan-19	10-Feb-19	20.40		M30
258	T3L8	RUDP-1513	Saptakoshi	OPC	Chisang Kho		20-Jan-19	10-Feb-19	15.37		M20 M20
259	R-23	RUDP-1514	Saptakoshi	OPC	Chisang Kho		21-Jan-19	11-Feb-19	15.52		M20
260	R-12	RUDP-1515	Saptakoshi	OPC	Chisang Kho	la 14-Jan-19	21-Jan-19	11-Feb-19	16.11		M20
61	DDC-yard	RUDP-1516	Saptakoshi	OPC	Chisang Kho		21-Jan-19	11-Feb-19	15.29		M20
262	R-6 R-34	RUDP-1517	Saptakoshi	OPC	Chisang Kho		21-Jan-19	11-Feb-19	15.66		M20
264	R-6	RUDP-1518 RUDP-1519	Saptakoshi	OPC	Chisang Kho		21-Jan-19	11-Feb-19	14.99		M20
265	T2L6A	RUDP-1519	Saptakoshi Saptakoshi	OPC OPC	Chisang Kho		21-Jan-19	11-Feb-19	11.75		M15
66	T3L13J	RUDP-1521	Saptakoshi	OPC	Chisang Kho		21-Jan-19	11-Feb-19	15.81		M20
67	DDC-yard	RUDP-1522	Saptakoshi	OPC	Chisang Kho Chisang Kho		21-Jan-19	11-Feb-19	14.92		M20
268	DDC-yard	RUDP-1523	Saptakoshi	OPC	Chisang Kho		21-Jan-19 21-Jan-19	11-Feb-19	15.52		M20
69	T3L11A	RUDP-1524	Saptakoshi	OPC	Chisang Khol		21-Jan-19 21-Jan-19	11-Feb-19 11-Feb-19	15,89		M20
70	T3L8	RUDP-1525	Saptakoshi	OPC	Chisang Khol		21-Jan-19	11-Feb-19	14.92		M20 M20
71	T3L13J	RUDP-1526	Saptakoshi	OPC	Chisang Khol		22-Jan-19	12-Feb-19	15.81		M20
72	T2L22A	RUDP-1527	Saptakoshi	OPC	Chisang Khol		22-Jan-19	12-Feb-19	16.04		M20
73	DDC-yard	RUDP-1528	Saptakoshi	OPC	Chisang Khol		22-Jan-19	12-Feb-19	14.55		M20
74	T3L13D Madhumara yard	RUDP-1529	Saptakoshi	OPC	Chisang Khol		22-Jan-19	12-Feb-19	14.10		M20
76	Madhumara yard	RUDP-1530 RUDP-1531	Saptakoshi	OPC	Chisang Khol		22-Jan-19	12-Feb-19	17.45		M25
77	R-6	RUDP-1531	Saptakoshi Saptakoshi	OPC OPC	Chisang Khol		22-Jan-19	12-Feb-19	20.85		M30
78	T3L13D	RUDP-1533	Saptakoshi	OPC	Chisang Khol Chisang Khol		22-Jan-19	12-Feb-19	15.59		M20
79	T2L22A	RUDP-1534	Saptakoshi	OPC	Chisang Khol		23-Jan-19 23-Jan-19	13-Feb-19	14.99		M20
80	T2L19Q	RUDP-1535	Saptakoshi	OPC	Chisang Khol		23-Jan-19 23-Jan-19	13-Feb-19	16.41		M20
81	T3L13J	RUDP-1536	Saptakoshi	OPC	Chisang Khol		24-Jan-19	13-Feb-19	15.59		M20
82	T3L11E	RUDP-1537	Saptakoshi	OPC	Chisang Khol		24-Jan-19	14-Feb-19	15,37		M20 M20
83	T3L6A	RUDP-1538	Saptakoshi		Chisang Khol		25-Jan-19	15-Feb-19	15.14		M20
84	Madhumara yard	RUDP-1539	Saptakoshi		Chisang Khola		25-Jan-19	15-Feb-19	17.60		M25
85	T3L11H	RUDP-1540	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	14.84		M20
86	R-7	RUDP-1541	Saptakoshi		Chisang Khola		26-Jan-19	16-Feb-19	14.99	1	M20
7/	T3L8	RUDP-1542	Saptakoshi	OPC	Chisang Khola	19-Jan-19			15.89	/	M20
НС	ONGHENG CONS	Contracto TRY CTTON C	ROUPINTER		NAL VEN	BUILDING E TURE WITH NGINEERS (DESIGNAL B.N. CON: & ARCHIT	THORITY	(P) LTD	TD ANI	NT D PLUS
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			(iratnag Contract	ar Metropol No:- RUDP/IC of Concrete C	litan City CB/BRT-02		JECI			
								Month	-	Jan	ioary
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S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand+Agg.	Date of Casting		Testing	100	h, N/mm2	Concret
288	T3L8	RUDP-1543	Saptakoshi	OPC	Oli vii v		7 Days	28 Days	7 Days	28 Days	Sidde
289	T3L11E	RUDP-1544	Saptakoshi	OPC	Chisang Khola Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	16.19		M20
290	T3L13J	RUDP-1545	Saptakoshi	OPC	Chisang Khola	20-Jan-19 20-Jan-19	27-Jan-19	17-Feb-19	15.07		M20
291	T2L19P	RUDP-1546	Saptakoshi	OPC	Chisang Khola		27-Jan-19 27-Jan-19	17-Feb-19	15.37		M20
292	T3L11H	RUDP-1547	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19 27-Jan-19	17-Feb-19	14.92		M20
293	T3L8	RUDP-1548	Saptakoshi	OPC	Chisang Khola		27-Jan-19 27-Jan-19	17-Feb-19 17-Feb-19	15.52		M20
294	T2L22A	RUDP-1549	Saptakoshi	OPC	Chisang Khola		28-Jan-19	17-Feb-19 18-Feb-19	14.55		M20
295	T3L13D	RUDP-1550	Saptakoshi	OPC	Chisang Khola		28-Jan-19	18-Feb-19	15.22		M20
296	Madhmara yard	RUDP-1551	Saptakoshi	OPC	Chisang Khola	7 7100	29-Jan-19	19-Feb-19	15.29		M20 M20
97	DDC Yard	RUDP-1552	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Fcb-19	14.69		-
98	DDC Yard	RUDP-1553	Saptakoshi	OPC	Chisang Khola		29-Jan-19	19-Feb-19	15.07		M20
299	T3L6	RUDP-1554	Saptakoshi	OPC	Chisang Khola	23-Jan-19	30-Jan-19	20-Feb-19	15.07		M20
300	T3L11H	RUDP-1555	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19	15.74	/	M20 M20
301	R-12	RUDP-1556	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19	15.37	1	M20
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					Tey mig				16	am Leade	1



REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Field Density Test Month-January Year 2019 Location:-R-5 (South of DSP Road) Type of Material Base Moisture content % Density(gm/cc) Compaction % Sn. Lab.Ref.no Testing Date Chainage Max.Dry Field Dry OMC% Field MC% Compaction Specified density density. % % RUDP-B-FD-1, R/S 11-Jan-19 5.30 2.245 0+050 5.08 2.202 98.09 2 RUDP-B-FD-1, L/S 11-Jan-19 0+100 5.30 5.72 2.245 2.233 99.48 98 3 RUDP-B-FD-1, R/S 11-Jan-19 0+150 5.30 5.61 2.245 2.215 98.67 98 RUDP-B-FD-1, L/S 4 11-Jan-19 0+2005.30 5.62 2,245 2.235 99.56 98 RUDP-B-FD-1, L/S 11-Jan-19 2.245 0 + 2505.30 5.81 2.236 99.61 98 RUDP-B-FD-1, R/S 6 11-Jan-19 0+300 5.30 5.89 2.245 2.211 98.47 98 RUDP-B-FD-1, L/S 11-Jan-19 0+320 5.30 5.91 2.245 2.240 99.77 98 Contractor Consultant BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. ZHONGHENG CONSTRUCTION GROUP CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) INTERNATIONAL ENGINEERING CO. LTD LTE KATHMANDU, NEPAL Biratnagal o Vadhar Submitted By Checked By Verified By Approved By Engineer Contract Manager Qty Engineer/CSE Team Leader



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							Month Year	January 2019	
			Location				Type of Material	Bas	e
Sn.	Lab.Ref.no	Testing Date	Chainage		e content %	Max.Dry	y(gm/cc) Field Dry	Compaction	Specified
				OIVIC76	Field MC%	density	density,	%	%
2	RUDP-B-FD-1, R/S	6-Jan-19	0+050	4.60	5.33	2.246	2.217	98.69	98.00
3	RUDP-B-FD-1, C/L RUDP-B-FD-1, L/S	6-Jan-19 6-Jan-19	0+090 0+160	4.60	5.24	2.246	2.226	99.10 98.87	98.00
		O DIA TO	0.100	4.00	5,00	2.240	2.221	70,07	98.00
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_	Fm	ntractor				(5)	0 1		
ZHC	NGHENG CONSTRUCT		NTERNAT	IONAL	BUILDING WITH B.N. C	DESIGN AU	Consultan THORITY (P CY PVT. LTI	LTD IN JOINT AND PLUS ENG HMANDU, XEP	VENTURE GINEERS &
~	there	un u			X	1.30	* Biratnagal *	HMANDU, NEP	AL.
	ed By	Submitted By ontract Manage	r		Verified By Qty Engineer/C	 SE		Approved By Feam Leader	



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						Ye		2	019
			Location:-R-84	T		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-84,(0+100)	Existing Road	12-Jan-19	1.980	10.20	10.03	6.76	
1	RUDP-SG-01	R-85,(0+200)	Existing Road	12-Jan-19	1.971	10.00	11.70	7.40	
-									
HON	GHENG CONS	Contractor TRUCTION GROUP SINEERING CO. LT	INTERNATIONAL B	PLUS ENGI	SIGN AU	ONSULT & ARCH	TY (P) I ANCY IJECT	PVT. LT	TD AND
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pour				4			9		
	ed By		Submitted By	Verified By			Approv		
recke			Contract Manager	Qty Engineer/CSE			Team L	eader	



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		В	iratna	gar Me	etropolita UDP/ICB/	n City			
					of Field Densi				
							Month*	Janu	
			Loc	ation:-R-	-84		Year Type of Material	20) Sub-G	
					e content %		ity(gm/cc)	Compac	
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc	11010 2017	Compaction %	Specified %
1	RUDP-SG-FD-1, L/S		0+070	10.10	9.70	1.980	1.917	96.81	95
2	RUDP-SG-FD-1, R/S		0+110	10.10	10.37	1.980	1.925	97.22	95
3	RUDP-SG-FD-1, L/S		0+125	10.10	8.40	1.980	1.936	97.80	95
3	RUDP-SG-FD-1, R/S		0+200	10.00	8.24	1.971	1.946	98.71	95
3	RUDP-SG-FD-1, R/S	12-Jan-19	0+230	10.00	8.56	1.971	1.914	97.11	95
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-									
							authority (P)	(m)	
_	Coll Land	itractor					Consultant	100	
ZH	ONGHENG CONSTRUCT	TION GROUP I		TONAL	WITH B.N. C	CONSULT	THORFFY (P) ENCY PVT. LTI S(P) LTD, KAT	AND PLUS E	NGINEERS
	6 Sadhan		R			<	* Biratnaya	K	
	Checked By Engineer		ibmitted B stract Mana		Verified Qty Engine			Approved By Team Leader	



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-						Mate		Sub	grade
šn.	Lab.Ref no.	Location of Sample	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remarks
1	RUDP-S-01	N-5,(0+050)	Existing Road	4-Jan-19	1.990	7.50	8.93	7.64	
K									
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ONG		Contractor UCTION GROUP NEERING CO. LT	INTERNATIONAL D	BUILDING DE VENTURE WITI PLUS ENG	SIGNAU	& ARCH	FY (P) I ANCY ITECT	PVT. LT	TD AND
dad	than	÷ = 010	a	9.EX		Biratnay	96	/	
ecked gineer	Ву		Submitted By	Verified By Qty Engineer/CSE			Approv Team I	ed By	

		I	Biratna Contract	gar Me No:- R	etropolita UDP/ICB/ of Field Densi	n City BRT-02	NT PRO		
							Month*	Janu	ary
				Locatio	n:-N-5		Year Type of Material	201	
					e content %	Dens	sity(gm/cc)	Sub-G Compac	
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dr density gm/cc	density,	Compaction %	Specified
2	RUDP-SG-FD-1, L/S	12-Jan-19	0+030	7.50	6.98	1.990	1.923	96.66	95
2	RUDP-SG-FD-1, R/S	12-Jan-19	0+060	7.50	6.96	1.990	1.914	96.20	95
-									
						-	shority (P) Len		-
	Cont	ractor				15	Consultant	8	
сно	NGHENG CONSTRUCTI ENGINEER	ON GROUP IN	TERNATI	ONAL I	BUILDING DE WITH B.N. CC & ARC	SIGN AU ONSULTA HITECTS	THORITY (P) L NGV PVT, LTD (P) LTD, KATI	AND PLUS EN	VENTURE GINEERS AL
	Gradhan Checked By Engineer	Sul	omitted By		erified By	 E		pproved By	

			Biratn	agar M	etropolit RUDP/ICB	an Cit	NT PRO	JECT	
					of Field Dens				
							Month Year		uary 19
				n:-N-36	e content %	Den	Type of Material sity(gm/cc)		ction %
n.	Lab.Ref.no	Testing Date	Chainag	e OMC%	Field MC%	Max.Dr density	y Field Dry	Compaction %	Specified %
I	RUDP-B-FD-1, R/S	2-Jan-19	0+030	6.00	4.59	2.243		98.90	98
3	RUDP-B-FD-1, L/S	2-Jan-19	0+100	6.00	5.70	2.243	2.203	98.21	98
K	RUDP-B-FD-1, R/S	2-Jan-19	0+150	0.00	5.37	2.243	2.233	99.56	98
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-	Contract	-11		DITT SAL	O BROLES	/	Consultant	3-	
10	ZHONGHENG CONSTR NTERNATIONAL ENGIN	UCTION GROUNEERING CO. L	P TD	CONSUL	TANCY PVT	LTDAN	Y (P) LTD IN JO D PLUS ENGINE HIMANDU, NEF	ERS & ARCHI	WITH B.N. TECTS (P)
Ya	Man	1		4.08			* Biratnag	8	
		Submitted By ntract Manage		Verified By Qty Enginee			1	Approved By Feam Leader	
Va ceke gine				Verified B	/		1	Approved By	

	<u>si</u>	immary Sheet of Mo	ontmy Test Repo		Mon Ye:	ır		nuary 019
		Location:-R-85			Type Mate		Sub	grade
n. Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remarks
RUDP-SG-01	R-85,(0+090)	Existing Road	5-Jan-19	1.935	10.10	8,63	7.00	
								>>
				Lori	ty (P)			
	Contractor		BUILDING D	C	onsultan		LTDIN	IOINT
HONGHENG CO	NSTRUCTION GROUP ENGINEERING CO. L	P INTERNATIONAL FD	VENTURE WIT	ENEERS	ONSUL & ARCI	HANCY	Y PVT. L TS (P) L	TD AND
			0	10	iratnaga.	7	/	
Nadhan		1	4.0.%.			9		
hecked By ngineer		Submitted By Contract Manager	Verified By Qty Engineer/CSE				oved By Leader	
Autooi								



	REGIO				VELOF etropolita		T PRO	JECT	
		(ontract	No:- R	UDP/ICB/	BRT-02			
			Summar	y Sheet o	f Field Densit	ty Test			
							Month -	Janu 201	
			Loc	ation:-R-	85		Type of Material	Sub-G	
					e content %		ty(gm/cc)	Compac	tion %
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specified %
1	RUDP-SG-FD-1, L/S	9-Jan-19	0+080	10.10	8.61	1.935	1.884	97.38	95
2	RUDP-SG-FD-1, R/S	9-Jan-19	0+110	10.10	9.42	1.935	1.874	96.84	95
3	RUDP-SG-FD-1, L/S	9-Jan-19	0+140	10.10	8.09	1.935	1.888	97.58	95
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	Padhen		01		Roch		* Birat	8	
	Checked By Engineer		Submitted I		Verifie Qty Engine			Approved By Team Leader	

	REGIO	NAL U	iratnag Contract	gar Me No:- R	VELOI etropolita UDP/ICB/ f Field Densi	n City BRT-02	T PRO	JECT	
							Month -	Janu	
			Loc	ation:-R-	85	-	Year Type of Material	201 Sub-G	
			Live		e content %		y(gm/cc)	Compac	
Sn.	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	9-Jan-19	0+080	10.10	8.61	1.935	1.884	97.38	95
2	RUDP-SG-FD-1, R/S	9-Jan-19	0+110	10.10	9.42	1.935	1.874	96.84	95
3	RUDP-SG-FD-1, L/S	9-Jan-19	0+140	10.10	8.09	1.935	1.888	97.58	95
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	-	ntractor					Consultan	17.7	
Н	ONGHENG CONSTRUCT	TION GROUP RING CO. LT	NTERNA'	TIONAL	BUILDING WITH B.N. & AI	DESIGN AU CONSULE RCHITECT	PHORITY (P) NCY PVI. LT S (PH. ID, KA	DO AND PLUS I THIMANDU, NI	r VENTURI ENGINEERS EPAL
	(Nadhon	and the second	R		4.08	\ <u>`</u>	* Birat		
	Checked By Engineer		ontract Man	. *	Verifie Qty Engine			Approved By Team Leader	



	REGI	ONAL U	JRBA Biratn	N DE	EVELO letropolit	PMEN an City	T PRO	JECT	
			Contrac	ct No:- I	RUDP/ICE	/BRT-02			
			Summa	ry Sheet	of Field Dens	sity Test			
							Month		uary
		1	Location	n:-R-63		7	Year ype of Material		19 ise
	San Barrier				e content %	Densit	y(gm/cc)		ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry	Field Dry	Compaction	
1	DUDD D CD 1 D 6	4.4				density	density,	%	%
2	RUDP-B-FD-1, R/S RUDP-B-FD-1, L/S	4-Jan-19 4-Jan-19	0+050	6.00	5.08	2.240	2.212	98.74	98
3	RUDP-B-FD-1, R/S	4-Jan-19 4-Jan-19	0+100	6.00	5.72	2.240	2.233	99.70	98
4	RUDP-B-FD-1, L/S	4-Jan-19 4-Jan-19	0+190	6.00	5.61	2.240	2.215	98.89	98
-	KODI -B-1 D-1, L/S	4-Jan-19	0+190	6.00	5.62	2.240	2.233	99.67	98
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						athori	ty (P)		
-	Contract					/s/Co	nsultant		
	ZHONGHING CONSTR NTERNATIONAL ENGIN		TD.	CONSUL	TANCY PVT	TO AND I	P) LTD IN JO LUS ENGINE MANDU, NEF	INT VENTURE CERS & ARCHI PAL	WITH B.N. TECTS (P)
da	Mars	a		4.8	<	ipilind * Bira	tnanar	06	
iecke	ed By	Submitted By ntract Manager		Verified By Oty Enginee			Ä	approved By eam Leader	

		9	ummary Sheet of M	Ionthly Test Repo	ort	Mo			100 E 10
						Ye			nuary 2019
			Location:-R-12			Typ Mate	e of		grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	
1	RUDP-S-01	R-12,(0+450)	Existing Road	9-Jan-19	1.984	9.40	8,55		
2	RUDP-S-02	R-12(0+500)	Existing Road	9-Jan-19	1	17	19.10	1	
3	RUDP-S-03	R-12,(0+650)	Existing Road	9-Jan-19	1.975	(10.10	8.71	7.13	
5					-		-	17.15	
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+									
-									>>
HON	GHENG CONS	TRUCTION GROUP GINEERING CO. LTI	INTERNATIONAL O	BUILDING DES VENTURE WEB PLUS ENG	SIGN AU I B.N. CO NEERS	DNSULT	Y (P) I ANCY ITECT	PVT. LT	DAND
o Vo			Submitted By Contract Manager	Mag X	* Birat	naunt »	06	ed By	



	REGIO	В	Biratna	gar Me	VELOI etropolita UDP/ICB/	n City	T PRO	IECT	
			Summar	y Sheet o	f Field Densi	ty Test			
							Month - Year	Janu 201	
			Loc	ation:-R-	12	1	Type of Material	Sub-G	
					e content %		ity(gm/cc)	Compac	
Sn.	Lab,Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc	Tiona Di	Compaction %	Specified %
1	RUDP-SG-FD-1, R/S	12-Jan-19	0+450	9.40	7.89	1.984	1.928	96.62	95
2	RUDP-SG-FD-1, R/S		0+510	9.40	7.89	1.984	1.919	96.19	95
3	RUDP-SG-FD-1, C/S		0+560	9.40	7.06	1.984	1.928	96.65	95
4	RUDP-SG-FD-1, R/S RUDP-SG-FD-1, L/S		0+650 0+680	10.10	8.54 8.30	1.975	1.922	97.20 96.82	95 95
	Co	ntractor					Consultant		
ZE	ONGHENG CONSTRUC	CALL GROUP IS	INTERNA'	FIONAL	WITH B.N.	CONSULT	THORITY (P) ANCY PWT. LT S (P) LTD, KA	LTD IN JOIN D AND PLUS I	ENGINEERS
	Wadhen Checked By Engineer		Submitted I		Verified Qty Engine		* Biratnus	Approved By Team Leader	

Water Absorption of Brick(%) (14/78 9:73 (13/90 12/30 15/29 12.41 11.06 11.38 13.56 13.99 14.64 14.38 14.41 11.49 11.19 11.94 13.11 12.11 11.28 11.85 12.37 12.54 14.27 13.67 13.67	Month Year Type of Material Strength of Brick(N/mm²) 1/4.37 //2.60 //4.90 1/8.82 1/4.40 1/2.05 1/4.40 1/4.70 1/4.09 1/2.64 1/3.88 1/3.50 1/3.86 1/3.30 1/2.64 1/4.12 1/2.96 1/3.07 1/4.51 1/4.07 1/4.51 1/5.09 1/5.45	January 2019 Brick Remarks
(14/78 9/73 (13/90 (12/30 15/29 12/41 11/06 11/38 13/56 13/99 14/64 14/38 14/41 11/49 11/19 11/19 11/28 11/28 11/28 11/28 11/28 11/28 11/27 13/67	Type of Material Strength of Brick(N/mm²) 1/4.37 1/2.60 1/3.82 1/4.40 1/2.05 1/4.40 1/4.70 1/4.09 1/2.64 1/3.88 1/3.50 1/3.86 1/3.30 1/2.64 1/4.12 1/2.96 1/3.73 1/4.51 1/4.07 1/4.51	2019 Brick
(14/78 9/73 (13/90 (12/30 15/29 12/41 11/06 11/38 13/56 13/99 14/64 14/38 14/41 11/49 11/19 11/19 11/28 11/28 11/28 11/28 11/28 11/28 11/27 13/67	Strength of Brick(N/mm²) 14/37 12/60 13/90 13/82 14/40 12/05 14/40 14/70 14/09 12/64 13/88 13/50 13/64 14/12 12/64 14/12 12/96 13/07 14/51 14/07	
13:50 12:30 15:29 12:41 11:06 11:38 13:56 13:99 14:64 14:38 14:41 11:49 11:19 11:19 11:94 13:11 12:11 11:28 11:85 12:37 12:54 14:27 13:67	12.60 12.90 12.82 14.40 12.05 14.40 14.70 14.09 12.64 13.88 12.50 12.64 13.30 12.64 14.12 12.96 13.67 14.51 14.07 14.51	
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12.42	/14.36	
/ 14.42	12.51	
/11.22	12,03	
/,12.56	14.14	
(11.94	13.47	
<20%	>8 to 10 N/mm²	
huthority (P)	ant	
IS ENGINEERS & ARCHITECTS (P	TURE WITH B.N. CONSULTANCY P) LTD, KATHMANDU, NEPAL	PVT. LTD AN
# Biratnaga	Approved By	
	ITHORITY (E) LTD IN JOINT VEN IS ENGINEERS & ARCHITECTS (Biratnau



			REGIO	Bir. Contr	atnagar Metro ract No:- RUD	ELOPMENT PRO. ppolitan City P/ICB/BRT-02 nthly Test Report	JECT	
				-		rest report	- Month	January
							Year Type of Material	2019 Brick
s.N.	Lab Ref.No.	Testing Date	Location of Sample	Source of Brick	Name Of Brick	Water Absorption of Brick(%)	Strength of Brick(N/mm²)	Remarks
31	338	15-Jan-19	T3L9	Dadarbairya	ACC	12.38	13.81	
32	339	16-Jan-19	T3L6A	Dangaraha	STL	11.88	14.74	
33	340	16-Jan-19	T2L19P	Dangaraha	STL	11.00	15.00	
34	341	17-Jan-19	R-10	Dadarbairya	ACC	11.81	14.57	
35	342	17-Jan-19	T2L18Y	Dangaraha	STL	13.24	12.95	
36	343	17-Jan-19	T3L11B	Dangaraha	STL	14.06	12.22	
37	344	17-Jan-19	R-9B	Dadarbairya	Anand	13.18	14.05	
38	345 346	17-Jan-19 18-Jan-19	T3L13E	Dadarbairya	ACC	14.73	13.88	
40	347	18-Jan-19 18-Jan-19	T2L25 T3L8	Dadarbairya	ACC	13.18	14.87	
41	348	18-Jan-19 19-Jan-19	T3L11H	Dadarbairya Dadarbairya	ACC	12.84	13.99	
42	349	19-Jan-19	R-12	Dadarbairya Dadarbairya	ACC	14.51	13.13	
43	350	19-Jan-19	T3L11E	Dadarbairya	ACC	13.18 11.20	13.30	
44	351	19-Jan-19	T3L11Q	Dangaraha	STL	12.75	11.50	
45	352	19-Jan-19	R-12	Dangaraha	STL	11.69	12.42	
46	353	19-Jan-19	T3L9	Dangaraha	STL	12.55	11.77	
47	354	20-Jan-19	R-84	Dadarbairya	ACC	11.55	12.81	
48	355	20-Jan-19	R-23	Dadarbairya	ACC	12.64	13.17	
49	356	20-Jan-19	R-20	Dadarbairya	ACC	12.32	13.34	
50	357	20-Jan-19	R-34	Dadarbairya	ACC	11.13	13.92	
51	358	22-Jan-19	T3L8	Dangaraha	STL	12.91	12.80	
52	359	22-Jan-19	T3L13D	Dangaraha	STL	14.13	11.76	
53	360	23-Jan-19	T3L6A	Dadarbairya	ACC	10.12	12.35	
54	361	23-Jan-19	T3L13J	Dadarbairya	ACC	10.65	12.07	
55	362	23-Jan-19	T3L13J	Dadarbairya	ACC	11.81	13.11	
56	363	23-Jan-19	T3111E	Dadarbairya	ACC	14.80	12.04	
57	364	23-Jan-19	T3L13J	Dadarbairya	ACC	13.61	11.96	
58	365	24-Jan-19	T3L13G	Dadarbairya	ACC	13.45	12.49	
59	366	25-Jan-19	R-12	Dadarbairya	ACC	13.31	12.55	
60	367	25-Jan-19	T3L9	Dadarbairya	ACC	15.65	13.67	
61	368 Sub-Clau	26-Jan-19	T3L9 tandard Specfication	Dadarbairya	ACC	14.06	14.39	
	ments:-			THE STATE OF	INDE EU/J	<20%	>8 to 10 N/mm²	
		Co	ntractor			Consultar	it (E)	
HON	GHENG CO		ROUP INTERNATIONA O. LTD	ENGINEERING	BUILDING DESIGN A	AUTHORITY (P) LTO N JOHNT VENT	IRE WITH B.N. CONSULTANCY F	VT. LTD AND
		1/2	3/0/046 * 0U.0368			9 * Birat	mental /	
4	Pr.		B		4.18		CR	
hecké ngine	er By		Submitted Contract Ma		Verified By QTY Engineer/CSE		Approved By Team Leader	



								Month		Janu	nary
								Year		20	- CO.
								ption of Sam	ple	Brick	Wall
Z	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 of Grade
1	N-10	MR-987	Salimar	OPC	Chisang Khola	4-Dec-18	11-Dec-18	1-Jan-19		8.28	7.5
2	R-23	MR-988	Salimar	OPC	Chisang Khola	4-Dec-18	11-Dec-18	1-Jan-19		7.87	7,5
3	T3L6A	MR-989	Salimar	OPC	Chisang Khola	5-Dec-18	12-Dec-18	2-Jan-19		8.14	7.5
5	R-7	MR-990	Salimar	OPC	Chisang Khola	5-Dec-18	12-Dec-18	2-Jan-19		8.41	7.5
6	T3L24A R-84	MR-991 MR-992	Salimar Salimar	OPC	Chisang Khola Chisang Khola	6-Dec-18 7-Dec-18	13-Dec-18 14-Dec-18	3-Jan-19 4-Jan-19		8.14	7.5
7	R-9	MR-993	Salimar	OPC	Chisang Khola	7-Dec-18	14-Dec-18	4-Jan-19		8.92	7.5
8	R-103	MR-994	Salimar	OPC	Chisang Khola	8-Dec-18	15-Dec-18	5-Jan-19		8.28	7.5
9	R-23	MR-995	Salimar	OPC	Chisang Khola	8-Dec-18	15-Dec-18	5-Jan-19		8.23	7.5
10	T3L7A	MR-996	Salimar	OPC	Chisang Khola	9-Dec-18	16-Dec-18	6-Jan-19		7.87	7.5
11	T2L25	MR-997	Saptakoshi	OPC	Chisang Khola	9-Dec-18	16-Dec-18	6-Jan-19		9.23	7.5
13	T2L23 R-105	MR-998 MR-999	Saptakoshi Saptakoshi	OPC	Chisang Khola	9-Dec-18 10-Dec-18	16-Dec-18	6-Jan-19	-	8.68	7.5
14	R-105	MR-1000	Saptakoshi	OPC	Chisang Khola Chisang Khola	10-Dec-18	17-Dec-18 17-Dec-18	7-Jan-19 7-Jan-19		9.09	7.5
15	T3L9	MR-1001	Saptakoshi	OPC	Chisang Khola	10-Dec-18	17-Dec-18	7-Jan-19		8.28	7.5
16	R-7	MR-1002	Saptakoshi	OPC	Chisang Khola	10-Dec-18	17-Dec-18	7-Jan-19		9.23	7.5
17	T3L24A	MR-1003	Saptakoshi	OPC	Chisang Khola	11-Dec-18	18-Dec-18	8-Jan-19		8.95	7.5
8	T2L24C	MR-1004	Saptakoshi	OPC	Chisang Khola	12-Dec-18	19-Dec-18	9-Jan-19		9.23	7.5
19	R-7	MR-1004	Saptakoshi	OPC	Chisang Khola	12-Dec-18	19-Dec-18	9-Jan-19		8.28	7.5
20	N-10 R-23	MR-1006	Saptakoshi Saptakoshi	OPC	Chisang Khola	12-Dec-18	19-Dec-18	9-Jan-19 9-Jan-19		814	7.5
22	T3L6A	MR-1007 MR-1008	Saptakoshi	OPC OPC	Chisang Khola Chisang Khola	12-Dec-18	19-Dec-18 20-Dec-18	10-Jan-19		10.14 8.82	7.5
23	R-84	MR-1009	Saptakoshi	OPC	Chisang Khola	13-Dec-18	20-Dec-18	10-Jan-19		8.14	7.5
24	R-12	MR-1010	Saptakoshi	OPC	Chisang Khola	14-Dec-18	21-Dec-18	11-Jan-19		8.41	7.5
25	R-9	MR-1011	Saptakoshi	OPC	Chisang Khola	14-Dec-18	21-Dec-18	11-Jan-19		8.14	7.5
26	R-103	MR-1012	Saptakoshi	OPC	Chisang Khola	15-Dec-18	22-Dec-18	12-Jan-19		9.07	7.5
27	R-45	MR-1013	Saptakoshi	OPC	Chisang Khola	15-Dec-18	22-Dec-18	12-Jan-19		9.23	7.5
28	T3L23A T2L23	MR-1014 MR-1015	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	16-Dec-18	23-Dec-18 23-Dec-18	13-Jan-19 13-Jan-19		8.00	7.5
30	R-105	MR-1016	Saptakoshi	OPC	Chisang Khola	16-Dec-18	23-Dec-18	13-Jan-19		8.41	7.5
31	R-45	MR-1017	Saptakoshi	OPC	Chisang Khola	17-Dec-18	24-Dec-18	14-Jan-19		7.87	7.5
32	R-23	MR-1018	Saptakoshi	OPC	Chisang Khola	17-Dec-18	24-Dec-18	14-Jan-19		8.82	7.5
33	R-105	MR-1019	Saptakoshi	OPC	Chisang Khola	17-Dec-18	24-Dec-18	14-Jan-19		9.23	7.5
34	R-7	MR-1020	Saptakoshi	OPC	Chisang Khola	17-Dec-18	24-Dec-18	14-Jan-19		8.41	7.5
35	R-9	MR-1021	Saptakoshi	OPC	Chisang Khola	18-Dec-18	25-Dec-18	15-Jan-19		9.23	7.5
36	R-12 R-9	MR-1022 MR-1023	Saptakoshi Saptakoshi	OPC	Chisang Khola Chisang Khola	18-Dec-18 19-Dec-18	25-Dec-18 26-Dec-18	15-Jan-19 16-Jan-19		8.41	7.5
38	R-23	MR-1023	Saptakoshi	OPC	Chisang Khola	19-Dec-18	26-Dec-18 26-Dec-18	16-Jan-19		8.41	7.5
39	R-7	MR-1025	Saptakoshi	OPC	Chisang Khola	19-Dec-18	26-Dec-18	J6-Jan-19		9.36	7,5
							Author	100			
		Contracto	r				Const	iltant	1		
1	ZHONGHEN	GEÖNSTRU VAL EMEIN	UP LTD	BUILDING DESIGN ACTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS BY LTD, KATHMANDU, NEPAL						NEERS	
(necked By Submined By				100 Biratnagar						
Chec Engir	ked By		Contract Man		Qty Engineer/	CSE				pproved eam Lea	
engu	icci		Contract Man	ager	Qty Engineer/	CSE			- 1	eam Lea	der



				Cor	atnagar Me ntract No:- RI nary Sheet of	DP/ICB/E	BRT-02				
					Source of Sand Date of Casting To Date of Tes	Month		Ja	nuary		
								Year		2	2019
							Descrip	tion of Sam	ple	Bric	k Wall
s.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	1.0000000000000000000000000000000000000		Testing 28 Days	7 Days	gth, N/mm2 28 Days	Type of Grad
40	R-10	MR-1026	Saptakoshi	OPC	Chisang Khola	19-Dec-18	26-Dec-18	16-Jan-19		8.28	7.5
41	N-10	MR-1027	Saptakoshi	OPC	Chisang Khola	19-Dec-18	26-Dec-18	16-Jan-19		8.41	7.5
42	T3L7A	MR-1028	Saptakoshi	OPC	Chisang Khola	20-Dec-18	27-Dec-18	17-Jan-19		8.00	7.5
43	T3L6A	MR-1029	Saptakoshi	OPC	Chisang Khola	21-Dec-18	28-Dec-18	18-Jan-19		8.82	7.5
44	R-9	MR-1030	Saptakoshi	OPC	Chisang Khola	21-Dec-18	28-Dec-18	18-Jan-19		8.28	7.5
45	R-103	MR-1031	Saptakoshi	OPC	Chisang Khola	21-Dec-18	28-Dec-18	18-Jan-19		9.48	7.5
46	T3L7A	MR-1032	Saptakoshi	OPC	Chisang Khola	21-Dec-18	28-Dec-18	18-Jan-19		9.23	7.5
47	R-9	MR-1033	Saptakoshi	OPC	Chisang Khola	21-Dec-18	28-Dec-18	18-Jan-19		8.41	7.5
48	R-7	MR-1034	Saptakoshi	OPC	Chisang Khola		29-Dec-18	19-Jan-19		8.28	7,5
49	R-45	MR-1035	Jagdamba	OPC	Chisang Khola	22-Dec-18	29-Dec-18	19-Jan-19		8,14	7.5
50	R-9	MR-1036	Jagdamba	OPC	Chisang Khola	22-Dec-18	29-Dec-18	19-Jan-19		7.87	7.5
51	R-9	MR-1037	Jagdamba	OPC	Chisang Khola	22-Dec-18	29-Dec-18	19-Jan-19		8.14	7.5
52	T3L7A	MR-1038	saptakoshi	OPC	Chisang Khola	22-Dec-18	29-Dec-18	19-Jan-19		8,00	7.5
53	R-7	MR-1039	saptakoshi	OPC	Chisang Khola	22-Dec-18	29-Dec-18	19-Jan-19		9.09	7.5
54	T31.11G	MR-1040	saptakoshi	OPC	Chisang Khola	22-Dec-18	29-Dec-18	19-Jan-19		9.36	7.5
55	T2L24G	MR-1041	saptakoshi	OPC	Chisang Khola	22-Dec-18	29-Dec-18	19-Jan-19		8.28	7.5
56	T2L24D	MR-1042	saptakoshi	OPC	Chisang Khola	22-Dec-18	29-Dec-18	19-Jan-19		9.09	7.5
57.	R-7	MR-1043	saptakoshi	OPC	Chisang Khola	22-Dec-18	29-Dec-18	19-Jan-19		9,23	7.5
58	T3L6A	MR-1044	saptakoshi	OPC	Chisang Khola	22-Dec-18	29-Dec-18	19-Jan-19		7.87	7.5
59	T3L11E	MR-1045	saptakoshi	OPC	Chisang Khola	22-Dec-18	29-Dec-18	19-Jan-19		8.14	7.5
50	T3L13D	MR-1046	saptakoshi	OPC	Chisang Khola	22-Dec-18	29-Dec-18	19-Jan-19		8.14	7.5
51	R-12	MR-1047	saptakoshi	OPC	Chisang Khola	23-Dec-18	30-Dec-18	20-Jan-19		8.00	7.5
62	R-7	MR-1048	saptakoshi	OPC	Chisang Khola	23-Dec-18	30-Dec-18	20-Jan-19		9.23	7.5
64	R-23	MR-1049	saptakoshi	OPC	Chisang Khola	23-Dec-18	30-Dec-18	20-Jan-19		7,87	7.5
65	R-84	MR-1050	saptakoshi	OPC	Chisang Khola	23-Dec-18	30-Dec-18	20-Jan-19		9.36	7.5
66	R-12	MR-1051	saptakoshi	OPC.	Chisang Khola	23-Dec-18	30-Dec-18	20-Jan-19		9.09	7.5
67	T3L13D	MR-1052	saptakoshi	OPC	Chisang Khola	23-Dec-18	30-Dec-18	20-Jan-19		8.41	7.5
68	T3L13E	MR-1053	saptakoshi	OPC	Chisang Khola	23-Dec-18	30-Dec-18	20-Jan-19	-	9.50	7.5
69	R-34	MR-1054	saptakoshi	OPC	Chisang Khola	24-Dec-18	31-Dec-18	21-Jan-19		8,55	7.5
70	R-102	MR-1055	saptakoshi	OPC	Chisang Khola	24-Dec-18	31-Dec-18	21-Jan-19		8.41	7.5
71	R-84	MR-1056	saptakoshi	OPC	Chisang Khola	24-Dec-18	31-Dec-18	21-Jan-19		9.50	7.5
72	R-12	MR-1057	saptakoshi	OPC	Chisang Khola	25-Dec-18	1-Jan-19	22-Jan-19	6.38	8.41	7.5
73	13L9	MR-1058	saptakoshi	OPC	Chisang Khola	25-Dec-18	1-Jan-19	22-Jan-19	6.78	8.14	7.5
74	T2L19P	MR-1059	saptakoshi	OPC	Chisang Khola	25-Dec-18	1-Jan-19	22-Jan-19	5.97	9.23	7.5
75	T3L11B	MR-1060	saptakoshi	OPC	Chisang Khola	25-Dec-18	1-Jan-19	22-Jan-19	6.65	7,87	7.5
76	R-10	MR-1061	saptakoshi	OPC	Chisang Khola	25-Dec-18	1-Jan-19	22-Jan-19	5.83	9.36	7.5
77	T2L24F	MR-1062	saptakoshi	OPC	Chisang Khola	25-Dec-18	1-Jan-19	22-Jan-19	6.78	9.50	7.5
								city (P)	1		745
		Contractor					15	epsultant	()		
	IONGHENG	AL ENGINE		BUILDING B.N. C	ONSULT	AUTHORI ANCY PV ECTS (P)	L-LTD A	D PLU	SENGINE	ERS &	
Checked By Submitted By					Verified By	Spel	1	# Birato	393t	2	ed By



REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Mortar Test Report Month January 2019 Year Description of Sample Brick Wall Date of Testing Brand Lab Ref.no of Source of Sand Type of Grade Casting Cement 28 Days 7 Days 28 Days T3L8 MR-1063 Saptakoshi OPC Chisang Khola 25-Dec-18 22-Jan-19 1-Jan-19 6.78 8.28 Chisang Khola 25-Dec-18 22-Jan-19 78 R-23 MR-1064 Saptakoshi OPC 1-Jan-19 6.10 8.28 7.5 OPC Chisang Khola 25-Dec-18 79 T21.22A MR-1065 Saptakoshi 1-Jan-19 22-Jan-19 80 R-34 MR-1066 Saptakoshi OPC Chisang Khola 25-Dec-18 9.09 Chisang Khola 25-Dec-18 1-Jan-19 OPC 6.24 10,02 82 T3L11B MR-1068 Saptakoshi Chisang Khola 25-Dec-18 1-Jan-19 22-Jan-19 6.65 8.55 Chisang Khola 25-Dec-18 83 T3LI1E MR-1069 Saptakoshi OPC I-Jan-19 22-Jan-19 6.24 8.55 7.5 84 MR-1070 Saptakoshi Chisang Khola 25-Dec-18 8.82 22-Jan-19 85 T3L13D MR-1071 Saptakoshi OPC Chisang Khola 25-Dec-18 1-Jan-19 8.82 86 Saptakoshi Chisang Khola 25-Dec-18 1-Jan-19 8.41 87 R-12 MR-1073 Saptakoshi Chisang Khola 25-Dec-18 1-Jan-19 22-Jan-19 7.5 9.63 88 R-84 MR-1074 Saptakoshi 25-Dec-18 Chisang Khola 22-Jan-19 OPC 1-Jan-19 5:97 8 14 75 89 OPC Chisang Khola 25-Dec-18 1-Jan-19 T2L25 MR-1075 Saptakoshi 8.82 90 T2L18Y MR-1076 Saptakoshi OPC Chisang Khola 25-Dec-18 1-Jan-19 22-Jan-19 5.97 9.63 75 91 MR-1077 Chisang Khola 25-Dec-18 Chisang Khola 25-Dec-18 1-Jan-19 92 T2L19P MR-1078 Saptakoshi 22-Jan-19 6.65 9.36 Chisang Khola 25-Dec-18 MR-1079 Saptakoshi R-84 1-Jan-19 6.78 8.41 Chisang Khola 26-Dec-18 94 T3L13D MR-1080 Saptakoshi 8.68 T2L25 MR-1081 saptakoshi OPC Chisang Khola 26-Dec-18 2-Jan-19 23-Jan-19 6.65 8.41 7.5 26-Dec-18 MR-1082 saptakoshi Chisang Khola OPC Chisang Khola 26-Dec-18 2-Jan-19 23-Jan-19 T3L11D MR-1083 saptakoshi 9.23 6.10 98 MR-1084 Chisang Khola 26-Dec-18 saptakoshi 2-Jan-19 5.97 9.23 75 99 OPC Chisang Khola 26-Dec-18 2-Jan-19 23-Jan-19 T3L11E MR-1085 saptakoshi 8.68 101 T2L18Y MR-1086 saptakoshi OPC Chisang Khola 27-Dec-18 3-Jan-19 24-Jan-19 5.51 8.55 75 MR-1087 saptakoshi Chisang Khola 27-Dec-18 3-Jan-19 Chisang Khola 27-Dec-18 3-Jan-19 24-Jan-19 T2L19P MR-1088 saptakoshi 9.36 Chisang Khola 27-Dec-18 MR-1089 24-Jan-19 T2125 saptakoshi 3-Jan-19 5.83 8.55 7.5 Chisang Khola 27-Dec-18 T31 131 MR-1090 saptakoshi 106 T21.18Y MR-1091 saptakoshi OPC Chisang Khola 27-Dec-18 3-Jan-19 24-Jan-19 9 63 7.5 saptakoshi MR-1092 Chisang Khola 27-Dec-18 3-Jan-19 6.65 8.41 7.5 Chisang Khola 27-Dec-18 3-Jan-19 24-Jan-19 R-12 MR-1093 saptakoshi 5.97 8.55 7.5 109 T31.13J Chisang Khola 27-Dec-18 MR-1094 santakoshi 3-Jan-19 24-Jan-19 6.65 8.00 7.5 R-84 MR-1095 saptakoshi Chisang Khola 27-Dec-18 7.5 R-34 MR-1096 saptakoshi Chisang Khola 27-Dec-18 3-Jan-19 24-Jan-19 8.28 saptakoshi Chisang Khola 27-Dec-18 24-Jan-19 R-23 OPC 3-Jan-19 6.78 8.55 7.5 Chisang Khola 27-Dec-18 3-Jan-19 24-Jan-19 saptakoshi 113 R-12 MR-1098 9.50 7.5 OPC 6.38 OPC Chisang Khola 27-Dec-18 3-Jan-19 T2L25 MR-1099 saptakoshi 24 June 19 6.65 8.14 Contractor Consultant BUILDING DESIGN AUTHORITY TO LED IN JOINT VENTURE WITH ZHONGHENG CONSTRUCTION GROUP B.N. CONSULTANCE PVT. LTD AND PLUS ENGINEERS & INTERNATIONAL ENGINEERING CO. LTD ARCHITECTS (P) LTD, KATHMANDU, NEPAL Submitted By Verified By Approved By Contract Manager Qty Engineer/CSE Team Leader



		REC	GIONAI	Bir	BAN DEV atnagar Me atract No:- Ri nary Sheet of	tropolita UDP/ICB/E	n City 3RT-02	PROJ	ECT		
						1		Month		Ja	nuary
								Year			2019
							Dorash	ption of Sam	ala.		k Wall
				1				Testing	_	igth, N/mm2	Ууда:
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
115	T3L13	MR-1100	Saptakoshi	OPC	Chisang Khola	27-Dec-18	3-Jan-19	24-Jan-19	5.83	9.36	7.5
116	T2L19Q	MR-1101	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.24	8,95	7.5
117	T3L11A	MR-1102	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.78	8.41	7.5
118	R-34	MR-1103	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	5,97	9.36	7.5
119	R-34	MR-1104	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.65	9.23	7.5
120	T3LHE	MR-1105	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.78	8.28	7.5
121	T2L24F	MR-1106	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.65	8.41	7.5
122	R-10	MR-1107	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.65	7.87	7.5
123	T2L25	MR-1108	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	5.97	8.28	7.5
124	R-20	MR-1109	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.65	7.87	7.5
125	T3L11B	MR-1110	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.51	9.36	7.5
126	T21.25	MR-1111	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.51	8.25	7.5
127	R-10	MR-1112	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.78	9,09	7.5
128	R-12	MR-1113	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.38	8.95	7.5
129	R-23	MR-1114	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.65	8.00	7.5
130	R-23	MR-1115	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	5.97	8.55	7.5
131	R-84	MR-1116	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	5.97	7.87	7.5
132	R-84	MR-1117	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.24	8.14	7.5
133	R-10	MR-1118	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.51		
134	R-34	MR-1119	saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19 4-Jan-19	25-Jan-19	6.51	8.55	7.5
135	R-12	MR-1120	saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	-		7.5
136	R-10	MR-1121	saptakoshi	-		29-Dec-18		26-Jan-19	6.65	8.14	7.5
137	R-84	MR-1121		OPC	Chisang Khola	29-Dec-18	5-Jan-19	26-Jan-19	6.78	8.28	7.5
			saptakoshi	OPC	Chisang Khola		5-Jan-19		5,83	7.87	7.5
138	T3L/13D	MR-1123	saptakoshi	OPC	Chisang Khola	29-Dec-18	5-Jan-19	26-Jan-19	6.78	9.09	7.5
139	T2L22A	MR-1124	saptakoshi	OPC	Chisang Khola	29-Dec-18	5-Jan-19	26-Jan-19	6.78	8.95	7.5
140	T3L11B	MR-1125	saptakoshi	OPC	Chisang Khola	29-Dec-18	5-Jan-19	26-Jan-19	6.65	7.87	7.5
141	T3L11E	MR-1126	saptakoshi	OPC	Chisang Khola	29-Dec-18	5-Jan-19	26-Jan-19	6.65	9,50	7.5
142	T3L9	MR-1127	saptakoshi	OPC	Chisang Khola	29-Dec-18	5-Jan-19	26-Jan-19	6.65	8.55	7,5
143	T3L13J	MR-1128	saptakoshi	OPC	Chisang Khola	29-Dec-18	5-Jan-19	26-Jan-19	5.83	8.00	7,5
144	T2L19P	MR-1129	saptakoshi	OPC	Chisang Khola	29-Dec-18	5-Jan-19	26-Jan-19	6.24	9.09	7.5
145	R-34	MR-1130	saptakoshi	OPC	Chisang Khola	29-Dec-18	5-Jan-19	26-Jan-19	6.78	7.87	7.5
146	T2L19Q	MR-1131	saptakoshi	OPC	Chisang Khola	29-Dec-18	5-Jan-19	26-Jan-19	6.51	8,68	7.5
147	T21.22A	MR-1132	saptakoshi	OPC	Chisang Khola	29-Dec-18	5-Jan-19	26-Jan-19	6.10	8.14	7.5
148	R-12	MR-1133	saptakoshi	OPC	Chisang Khola	29-Dec-18	5-Jan-19	26-Jan-19	5.83	8.00	7.5
149	TILLIE	MR-1134	saptakoshi	OPC	Chisang Khola	29-Dec-18	5-Jan-19	26-Jan-19	6.38	8.68	7.5
150	R-84	MR-1135	saptakoshi	OPC	Chisang Khola	29-Dec-18	5-Jan-19	26-Jan-19	6.51	8.00	7.5
151	R-10	MR-1136	saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	6.78	9.09	7.5
	Contractor						outhor	onsultant			
	ZHONGHENG CONSTRUCTION GROUP TERNATIONAL ENGINEERING CO. LTD				BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WIT						
4	14.	Verified By	(Jel)	To a Bi	ratnagar	3/	04	d D.			
Engin	ked By Submitted By Contract Manager				Qty Engineer	CSE				Approve Team Le	



		REC	GIONAI	Bir	BAN DEV atnagar Me ntract No:- RI nary Sheet of	tropolita JDP/ICB/I	n City BRT-02	PROJ	ECT		
						1		Month	1	Ja	nuary
						- 1		Year			2019
							Descrip	otion of Samp	nle		k Wall
				Brand			Date of		-	gth, N/mm2	
S.N.	Location	Lab Ref.no.	Type of Cement	of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28 Days	Type of Grade
152	T2L22A	MR-1137	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	5.83	9.50	7.5
1.53	R-10	MR-1138	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	6.38	10.14	7.5
154	T21.19Q	MR-1139	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	5.97	8.38	7,5
155	T2L18Y	MR-1140	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	6.51	9.33	7,5
156	T3LHE	MR-1141	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	5.83	10.43	7.5
157	R-10	MR-1142	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	7.05	9.36	7.5
158	T2L25	MR-1143	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	6.92	8.82	7,5
159	T3L13J	MR-1144	Saptakoshi	OPC	Chisang Khola	30-Dec-18	6-Jan-19	27-Jan-19	6.24	8.00	7.5
160	R-34	MR-1145	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	6.51	8.55	7.5
161	T3L9	MR-1146	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	5.97	9.09	7.5
162	T2L19P	MR-1147	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	5.83	8.28	7.5
163	T2L22A	MR-1148	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	6.38	8.41	7.5
164	T3L13J	MR-1149	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	5.83	8.55	7.5
165	R-84	MR-1150	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	7.33	8,28	7.5
166	T21.25	MR-1151	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	6.10	9.09	7.5
167	R-84	MR-1152	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	5.83	8.82	7.5
168	R-34	MR-1153	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	6.65	8.55	7.5
169	T3L11B	MR-1154	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	5.83	7.87	7.5
170	T3L11E	MR-1155	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	6.65	9.36	7.5
171	T3L11D	MR-1156	Saptakoshi	OPC	Chisang Khola	31-Dec-18	7-Jan-19	28-Jan-19	5,97	8,68	7.5
172	R-84	MR-1157	Saptakoshi	OPC	Chisang Khola	28-Dec-18	4-Jan-19	25-Jan-19	6.65	9.09	7.5
173	R-34	MR-1158	Saptakoshi	OPC	Chisang Khola	1-Jan-19	8-Jan-19	29-Jan-19	7.05	9.63	7.5
174	T3L6	MR-1159	Saptakoshi	OPC	Chisang Khola	1-Jan-19	8-Jan-19	29-Jan-19	6,68	8.55	7.5
175	T2L19Q	MR-1160	Saptakoshi	OPC	Chisang Khola	1-Jan-19	8-Jan-19	29-Jan-19	6.78	9.50	7.5
176	R-84	MR-1161	Saptakoshi	OPC	Chisang Khola	1-Jan-19	8-Jan-19	29-Jan-19	6.24	8.55	7.5
177	T2L19P	MR-1162	Saptakoshi	OPC	Chisang Khola	1-Jan-19	8-Jan-19	29-Jan-19	6.78	7.87	7.5
178	T3L9	MR-1163	Saptakoshi	OPC	Chisang Khola	1-Jan-19	8-Jan-19	29-Jan-19	6.51	9.50	7.5
179	T31.18Y	MR-1164	Saptakoshi	OPC	Chisang Khola	1-Jan-19	8-Jan-19	29-Jan-19	6,65	9.63	7.5
180	R-12	MR-1165	Saptakoshi	OPC	Chisang Khola	2-Jan-19	9-Jan-19	30-Jan-19	5.97	8.41	7.5
181	R-84	MR-1166	saptakoshi	OPC	Chisang Khola	2-Jan-19	9-Jan-19	30-Jan-19	6.51	8.00	7.5
182	R-23	MR-1167	saptakoshi	OPC	Chisang Khola	2-Jan-19	9-Jan-19	30-Jan-19	7.05	9.09	7.5
183	R-34	MR-1168	saptakoshi	OPC	Chisang Khola	2-Jan-19	9-Jan-19	30-Jan-19	5.97	8.14	7.5
184	T3L19P	MR-1169	saptakoshi	OPC	Chisang Khola	3-Jan-19	10-Jan-19	31-Jan-19	6.78	8.95	7.5
185	T3L13D	MR-1170	saptakoshi	OPC	Chisang Khola	3-Jan-19	10-Jan-19	31-Jan-19	6.51	8.95	7.5
186	T3L11E	MR-1171	saptakoshi	OPC	Chisang Khola	4-Jan-19	11-Jan-19	1-Feb-19	6.10		7.5
187	T3L13J	MR-1172	saptakoshi	OPC	Chisang Khola	4-Jan-19	11-Jan-19	1-Feb-19	5.83		7.5
188	12L22A	MR-1173	saptakoshi	OPC	Chisang Khola	4-Jan-19	11-Jan-19	1-Feb-19	6.78		7.5
								wity /p			
	1	Contractor					1	ensultant	4		
ZH	ZHONCHENG CONSTRUCTION GROUP TERNATIONAL ENGINEERING CO. LTD				BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH						ERS &
(Mr.	Marda Biratanas C									
Check Engine	ked By		Submitted		Verified By						
	a/ar	(Contract Mar	of the same							



		REC	GIONAL	Bira	BAN DEV atnagar Me atract No:- RU ary Sheet of N	tropolita DP/ICB/I	n City BRT-02	PROJ	ECT		
								Month	- 1	Ja	nuary
								Year			2019
							Descrip	otion of Sam	nle		k Wall
				Brand			Date of		1	igth, N/mm2	1
S.N.	Location	Lab Ref.no.	Type of Cement	of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28 Days	Type of Grade
189	T2L19Q	MR-1174	Saptakoshi	OPC	Chisang Khola	4-Jan-19	11-Jan-19	1-Feb-19	5.83		7.5
190	R-12	MR-1175	Saptakoshi	OPC	Chisang Khola	4-Jan-19	11-Jan-19	1-Feb-19	6.10		7.5
191	T21.25	MR-1176	Saptakoshi	OPC	Chisang Khola	4-Jan-19	11-Jan-19	1-Feb-19	6.51		7.5
192	T3L13D	MR-1177	Saptakoshi	OPC	Chisang Khola	4-Jan-19	11-Jan-19	1-Feb-19	6.65		7.5
193	R-23	MR-1178	Saptakoshi	OPC	Chisang Khola	4-Jan-19	11-Jan-19	1-Feb-19	6.65		7.5
194	T2L19P	MR-1179	Saptakoshi	OPC	Chisang Khola	4-Jan-19	11-Jan-19	1-Feb-19	5.83		7.5
195	T31.11B	MR-1180	Salimar	OPC	Chisang Khola	5-Jan-19	12-Jan-19	2-Feb-19	6.65		7.5
196	T3L11B	MR-1181	Salimar	OPC	Chisang Khola	5-Jan-19	12-Jan-19	2-Feb-19	5.83		7.5
197	T2L19P	MR-1182	Salimar	OPC	Chisang Khola	5-Jan-19	12-Jan-19	2-Feb-19	6.38		7.5
198	R-12	MR-1183	Salimar	DPC	Chisang Khola	5-Jan-19	12-Jan-19	2-Fcb-19	5.83		7.5
199	R-34	MR-1184	Salimar	OPC	Chisang Khola	5-Jan-19	12-Jan-19	2-Feb-19	6.78		7.5
200	R-12	MR-1185	Salimar	OPC	Chisang Khola	5-Jan-19	12-Jan-19	2-Feb-19	5.83		7.5
201	T2L22A	MR-1186	Salimar	OPC	Chisang Khola	6-Jan-19	13-Jan-19	3-Feb-19	6.65		7.5
202	T2L25	MR-1187	Salimar	OPC	Chisang Khola	6-Jan-19	13-Jan-19	3-Feb-19	6.38		7.5
203	T3L13D	MR-1188	Salimar	OPC	Chisang Khola	6-Jan-19	13-Jan-19	3-Feb-19	5.97		7.5
204	T3L11E	MR-1189	Salimar	OPC	Chisang Khola	6-Jan-19	13-Jan-19	3-Feb-19	5.83		7.5
205	T3L9	MR-1190	Salimar	OPC	Chisang Khola	6-Jan-19	13-Jan-19	3-Feb-19	6.65	_	7.5
206	T2L19P	MR-1191	Salimar	OPC	Chisang Khola	6-Jan-19	13-Jan-19	3-Feb-19	6.10		7.5
207	T3L11B	MR-1192	Salimar	OPC	Chisang Khola	6-Jan-19	13-Jan-19	3-Feb-19	6.65		7.5
208	T2L24F	MR-1193	Salimar	OPC	Chisang Khola	6-Jan-19	13-Jan-19	3-Feb-19	5.97		7.5
209	T3L11B	MR-1194	Ambe Hi-Tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	6.38		7.5
210	T21.19Q	MR-1195	Ambe Hi-Tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	5.83		7.5
211	T3L13E	MR-1196	Ambe Hi-Tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	6.65		7.5
212	T21.25	MR-1197	Ambe Hi-Tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	5.83		7.5
213	T3L8	MR-1198	Ambe Hi-Tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19			
214	T3L13D	MR-1199	Ambe Hi-Tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	6.78	_	7.5
215	T3L13D	MR-1200	Ambe Hi-Tech		Chisang Khola	7-Jan-19		4-Feb-19	5.83		7.5
216	R-34	MR-1200	Ambe Hi-Tech	OPC		7-Jan-19	14-Jan-19		6.10		7.5
217			Ambe Hi-Tech	OPC	Chisang Khola		14-Jan-19	4-Feb-19	6.78		7.5
218	T3L13D	MR-1202	-	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	6.24		7.5
	T3L11B	MR-1203	Ambe Hi-Tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	6.78		7.5
219	R-20	MR-1204	Ambe Hi-Tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	7.05		7.5
220	T3L6A	MR-1205	Ambe Hi-Tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	6.24		7.5
221	T2L19Q	MR-1206	Ambe Hi-Tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	6.92		7.5
222	T3L13D	MR-1207	Ambe Hi-Tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	5.97		7.5
223	T3L8	MR-1208	Ambe Hi-Tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	7.05		7.5
224	T3L6A	MR-1209	Ambe Hi-Tech	OPC	Chisang Khola	7-Jan-19	14-Jan-19	4-Feb-19	6.65		7.5
225	13L11B	MR-1210	Ambe Hi-Tech	OPC	Chisang Khola	8 Jan-19	15-Jan-19	5-Feb-19	5.97		7.5
	Contractor				hori Cousultant						
	ZHONGHENG CONSTRUCTION GROUP NTERNATIONAL ENGINEERING CO. LTD				BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WIT						ERS &
Charl	M.	plore	zel >	Billing # Birn	mayar *	0	6	4 D.			
Engin				40	Verified By	CSE				Approve	
cogm	ted By Submitted By Contract Manager				Qty Engineer	CDE				Team Le	ader



		REC	GIONAL	Bir:	BAN DEV atnagar Me atract No:- RU ary Sheet of N	tropolita DP/ICB/I	n City BRT-02	PROJ	ECT		
								Month			nuary
								Year		2	019
								otion of Sam	ple	Bric	k Wali
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	Date of 7 Days	Testing 28 Days	7 Days	gth, N/mm2 28 Days	Type of Grade
226	T3L9	MR-1211	Ambe Hi-Tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19	5.83		7.5
227	T3L11B	MR-1212	Ambe Hi-Tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19	6.65		7.5
228	T2L18Y	MR-1213	Ambe Hi-Tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19	6.65		7.5
229	T3L9	MR-1214	Ambe Hi-Tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19	5.83		7.5
230	T2L19P	MR-1215	Ambe Hi-Tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19	6.38		7.5
231	T2L25	MR-1216	Ambe Hi-Tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19	7.05		7.5
232	T3L13D	MR-1217	Ambe Hi-Tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19	6.38		7.5
233	R-23	MR-1218	Ambe Hi-Tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19	6.24		7.5
234	R-23	MR-1219	Ambe Hi-Tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19	5.83		7.5
235	R-23	MR-1220	Ambe Hi-Tech	OPC	Chisang Khola	9-Jan-19	16-Jan-19	6-Feb-19	5.83		7.5
236	T3L11E	MR-1221	Ambe Hi-Tech	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19	6.78		7.5
237	T2L19Q	MR-1222	Ambe Hi-Tech	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19	6.38		7.5
238	T3L8	MR-1223	Ambe Hi-Tech	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19	7.19		7,5
239	T3L13J	MR-1224	Ambe Hi-Tech	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19	6.24		7.5
240	T2L22A	MR-1225	Ambe Hi-Tech	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19	5,97		7.5
241	T3L13D	MR-1226	Saptakoshi	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19	6.10		7.5
242	T2L19Q	MR-1227	Saptakoshi	OPC	Chisang Khola	10-Jan-19	17-Jan-19	7-Feb-19	5.97		7.5
243	T3L13J	MR-1228	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19	6.65		7.5
244	T3L9	MR-1229	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19	5.97		7.5
245	T3L11H	MR-1230	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19	6.51		7.5
246	T3L8	MR-1231	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19	5.83		7.5
247	T21.22A	MR-1232	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19	6.78		7.5
248	R-12	MR-1233	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Fcb-19	7.05		7.5
249	T3L9	MR-1234	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19	6.65		7.5
250	T2L19P	MR-1235	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19	7.05		7.5
251	T3L11B	MR-1236	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19	6.38		7.5
252	R-10	MR-1237	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19	6.10		7.5
253	T2L19P	MR-1238	Saptakoshi	OPC	Chisang Khola	11-Jan-19	18-Jan-19	8-Feb-19	6.65		7.5
254	T2L25	MR-1239	Saptakoshi	OPC	Chisang Khola	12-Jan-19	19-Jan-19	9-Feb-19	5.83		7.5
255	T2L22A	MR-1240	Saptakoshi	OPC	Chisang Khola	12-Jan-19	19-Jan-19	9-Feb-19	6.78		7.5
256	R-9(B)	MR-1241	Saptakoshi	OPC	Chisang Khola	12-Jan-19	19-Jan-19	9-Feb-19	6.65		7.5
257	T3L11H	MR-1242	Saptakoshi	OPC	Chisang Khola	12-Jan-19	19-Jan-19	9-Feb-19	5.83		7.5
258	T3L9	MR-1243	Saptakoshi	OPC	Chisang Khola	13-Jan-19	20-Jan-19	10-Feb-19	6.78		7.5
259	T3L11H	MR-1244	Saptakoshi	OPC	Chisang Khola	13-Jan-19	20-Jan-19	10-Feb-19	6.38		7.5
260	T3L8	MR-1245	Saptakoshi	OPC	Chisang Khola	13-Jan-19	20-Jan-19	10-Feb-19	6.10		7.5
261	T21.19O	MR-1246	Saptakoshi	OPC	Chisang Khola	13-Jan-19	20-Jan-19	10-Feb-19	6.78		7.5
262	T2L25	MR-1247	Saptakoshi	OPC	Chisang Khola	13-Jan-19	20-Jan-19	10-Feb-19	5.97		7.5
		1 30000000		010	- Trining rate in	70 0,500 15	20-7an-13	17.140.17	2.21		1 1.0
ZH	Contractor ZHONGHENG CONSTRUCTION GROUP NTERNATIONAL ENGINEERING CO. LTD				BUILDING DESIGN ANTHORITY (P) LED IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITEGTS (P) LTD, KATHMANDU, NEPAL						
Check	y	Verified By Qty Engineer	Sal CSE	To A Roman	TONE S	(Approve Team Le				



		REC	GIONAL	Bira	BAN DEV atnagar Me atract No:- RU arv Sheet of M	tropolita DP/ICB/E	n City BRT-02	PROJ	ECT		
								Month		Ja	nuary
								11-Feb-19 6 11-Feb-19 5 11-Feb-19 5 11-Feb-19 7 11-Feb-19 7 11-Feb-19 6 11-Feb-19 7 11-Feb-19 6 11-Feb-19 6 11-Feb-19 7 11-Feb-19 7 11-Feb-19 7 11-Feb-19 7 12-Feb-19 12			019
							Descrip		ole		k Wall
				Brand						gih, N/mm2	
S.N.	Location	Lab Ref.no.	Type of Cement	of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28 Days	Type of Grade
263	T21.22A	MR-1248	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	6.92		7.5
264	T3L13D	MR-1249	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	5.97		7.5
265	T3L11H	MR-1250	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	6.78		7.5
266	T21.18Y	MR-1251	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	5.83		7.5
267	T2L25	MR-1252	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	7.05		7.5
268	R-84	MR-1253	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	5.83		7,5
269	T2L24F	MR-1254	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	7.05		7.5
270	T3L13D	MR-1255	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	6.78		7.5
271	T3L11E	MR-1256	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19		6.78		7.5
272	T3L8	MR-1257	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	5.83		7.5
273	T31.9	MR-1258	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	6.10		7.5
274	R-12	MR-1259	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	5.83		7,5
275	T2L19P	MR-1260	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	6.65		7.5
276	R-20	MR-1261	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	7.05		7.5
277	T3L8	MR-1262	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	6.65		7.5
278	T3L13D	MR-1263	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	6.10		7.5
279	R-23	MR-1264	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	7.05		7.5
280	T3L6A	MR-1265	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	5.83		7.5
281	T3L13J	MR-1266	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.78		7.5
282	T2L22A	MR-1267	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	7.33		7.5
283	TILLIE	MR-1268	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	5,97		7.5
284	T21.24F	MR-1269	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.65		7.5
285	T1L5A	MR-1270	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.24		7.5
286	R-23	MR-1271	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.65		7.5
287	R-9(B)	MR-1272	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	5.83		7.5
288	T3L11D	MR-1273	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.78		7,5
289	T2L25	MR-1274	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	5.97		7.5
290	R-20	MR-1275	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.78		7.5
291	T3L13E	MR-1276	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	7.05		7.5
292	TIL5A	MR-1277	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.51		7.5
293	R-23	MR-1278	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	5.83		7.5
294	T2L18Y	MR-1279	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	7.05		7,5
295	R-34	MR-1280	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.38		7.5
296	T3L13J	MR-1281	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	7.05		7.5
297	T3L11D	MR-1282	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6,38		7.5
298	T21.19P	MR-1283	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.51		7.5
299	T2L24F	MR-1284	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.65		7.5
		Contractor				Buthori	onsultant				
ZI	IONGHENO ERNATION	CONSTRU	OUP . LTD	BUILDING DESIGN AUTHORITY (P) LED IN JOINT VENTURE WITH B.N. CONSULTANCY PYT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL							
K.					10	U	* Bir	atuada,	(0	
	ced By		Submitted I		Verified By	1				Approve	d By
	eer		Contract Man		Oty Engineer	Calle on the				Team Le	and the same of th



		REC	GIONAI	Bira	BAN DEV atnagar Me atract No:- RU ary Sheet of N	tropolita DP/ICB/E	n City BRT-02	PROJ	ECT		
									-	- 1	- Since
								Month	-		nuary
							14171714	Year			019
		1		1				ption of Sam	_		k Wall
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 of Grade
300	T3L8	MR-1285	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	7.46		7.5
301	T3L9	MR-1286	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.51		7.5
302	R-34	MR-1287	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.78		7.5
303	R-12	MR-1288	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.38		7.5
304	T3L23J	MR-1289	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	7.05		7.5
305	T3L8	MR-1290	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.65		7.5
306	T3L8	MR-1291	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.92		7.5
307	T3L24F	MR-1292	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.78		7.5
308	T31.8	MR-1293	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	5.83		7.5
309	R-10	MR-1294	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.65		7.5
310	T21.22A	MR-1295	Saptakoshi	OPC	Chisang Khola	15-Jan-19	22-Jan-19	12-Feb-19	6.38		7.5
311	T2L25	MR-1296	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	7.05		7.5
312	T3L13J	MR-1297	Saptakoshi	OPC	Chisang Khola	14-Jan-19	21-Jan-19	11-Feb-19	5.83		7.5
313	R-20	MR-1298	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	7.19		7.5
314	R-34	MR-1299	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	5.83		7.5
315	T31,6A	MR-1300	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	5.97		7.5
316	R-23	MR-1301	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	6.78		7.5
317	T3L6A	MR-1302	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	6.51		7.5
318	R-9(B)	MR-1303	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	6.24		7.5
319	T3L9	MR-1304	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	7.05		7.5
320	T2L19P	MR-1305	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	5.83		7.5
321	T3L11B	MR-1306	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	6.10		7.5
322	T2L24F	MR-1307	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	7.19		7.5
323	T3L11E	MR-1308	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	5.83		7.5
324	T2L19P	MR-1309	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	6.78		7.5
325	T3L11E	MR-1310	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	5.83		7.5
326	T21.19Q	MR-1311	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	6.24		7.5
327	R-12	MR-1312	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	5.83		7.5
328	R-23	MR-1313	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	7.05	_	7.5
329	T3L9	MR-1314	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	5.83		7.5
330	T3L8	MR-1315	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	6.65		7.5
331	T3L11E	MR-1316	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19 23-Jan-19	13-Feb-19	6.78		7.5
332	T2L19O	MR-1317	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19 23-Jan-19	13-Feb-19	5.83		7.5
333	R-12	MR-1317	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19 23-Jan-19	13-Feb-19	6.65		7.5
334	R-34	MR-1319	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19 23-Jan-19	13-Feb-19	7.46		7.5
335	T3L11B	MR-1320	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19 23-Jan-19	13-Feb-19	6.38		7.5
336	T3L8	MR-1321	Saptakoshi	OPC	Chisang Khola	16-Jan-19			-		
200	1.04.00	mic tool	- mp management 1	OFC	Cambridg Renda	70 MIL 19	23-Jan-19	13-Feb-19	6.38		7.5
	Contractor						13	onsultant	10		
ZH	ZHONGHENG CONSTRUCTION GROUP NTERNATIONAL ENGINEERING CO. LTD				BUILDING DESIGN AUTHORITY (P) LFD IN JOINT VENTURE WIT B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL						
4	h.	100	A Biratnagal								
	ied By		Submitted I		Verified By					Approve	
Engin	eer	(Contract Man	ager	Qty Engineer	CSE				Team Le	ader



		REC	GIONAI	Bir	BAN DE' atnagar Me otract No:- Ri nary Sheet of	tropolita	n City BRT-02	F PROJ	ECT		
								A			
							-	Month	-		nuary
							D	Year			2019
				Tn - 1				Prior of Sam Testing	1		k Wall
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
337	T3L11B	MR-1322	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	5.83		7.5
338	T21.24F	MR-1323	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	5.97	_	7.5
339	T3L9	MR-1324	Saptakoshi	OPC	Chisang Khola	16-Jan-19	23-Jan-19	13-Feb-19	6.38		7.5
340	T3L11B	MR-1325	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	5.83		7.5
341	T3L13P	MR-1326	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	6.78	_	7.5
342	T3L13J	MR-1327	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	6.24		7.5
343	R-9(B)	MR-1328	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	5.97		7.5
344	T3L11H	MR-1329	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	6.51		7.5
345	TZL19Q	MR-1330	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	5.97		
346	T3L13D	MR-1331	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	5.97		7.5
347	T2L22A	MR-1332	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	-		7.5
348	T3L11B	MR-1333	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	5.83		7.5
349	T2L19Q	MR-1334	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	6.78		7.5
350	T2L19P	MR-1335	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	7.19	_	7.5
351	T2L19Q	MR-1336	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	6.38	_	7.5
352	T3L11B	MR-1337	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	5.97	_	7.5
353	T2L19P	MR-1338	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	7.05	_	7.5
354	R-12	MR-1339	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	_		7.5
355	T2L19P	MR-1340	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	-	5.83	_	7.5
356	T3L5A	MR-1341	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	6.78		7.5
357	R-12	MR-1342	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19 24-Jan-19	14-Feb-19	6.10		7.5
358	T3L11B	MR-1343	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19 24-Jan-19		5.83		7.5
359	T3L/13J	MR-1344	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19 24-Jan-19	14-Feb-19	7.33	_	7.5
360	R-12	MR-1345	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19 24-Jan-19	14-Feb-19	6.51	-	7.5
361	R-23	MR-1346	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	5.97	-	7.5
362	TILITE	MR-1347	Saptakoshi	OPC	Chisang Khola	17-Jun-19			6.78		7.5
363	R-9(B)	MR-1348	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	5.83		7.5
364	T3LITE	MR-1349	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	6.78		7.5
365	R-12	MR-1350	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	5.83		7.5
366	T3L11E	MR-1351	Saptakoshi	OPC	Chisang Khola	17-Jan-19	24-Jan-19	14-Feb-19	6.10		7.5
367	T3L9	MR-1352	Saptakoshi	OPC			24-Jan-19	14-Feb-19	6.38		7.5
368	T3L11E	MR-1353	Saptakoshi	OPC	Chisang Khola Chisang Khola	17-Jan-19 17-Jan-19	24-Jan-19	14-Feb-19	6.65		7,5
369	R-12	MR-1354	Saptakoshi	OPC	Chisang Khola	17-Jan-19 17-Jan-19	24-Jan-19	14-Feb-19	5.97		7.5
370	T2L19Q	MR-1355	Saptakoshi	OPC		17-Jan-19	24-Jan-19	14-Feb-19	6.65		7.5
371	R-12	MR-1356	Saptakoshi	OPC	Chisang Khola Chisang Khola	17-Jan-19 18-Jan-19	24-Jan-19	14-Feb-19	7.46		7.5
372	T2L25	MR-1357	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	6.38		7.5
373	R-9(B)	MR-1358	Saptakoshi	OPC	Chisang Khola	18-Jan-19 18-Jan-19	25-Jan-19	15-Feb-19	6.78		7.5
	(0)	1 1111111111111111111111111111111111111	oupmatosiii	OFC	Chisang Khola	10-Jan-19	25-Jan-19	15-Feb-19	6.24		7.5
ZH	ONGHENG	CONSTRUCT L ENGINE	THON GRO	DUP LTD	BUILDING I	ONSULTA	1311	LTDAN	DPLUS	ENGINE	FRS &
0	h.		1/6	Bel	1	7	(8	******		
heck ingine			ontract Mana		Verified By Qty Engineer/	SE	,			Approved Team Lea	



S.N. 374 375 376	Location T1L5A										
374 375 376								*****		las	-
374 375 376								Month			nuary
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374 375 376								tion of Samp	_		k Wall
375 376	THEA	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
376	TILDA	MR-1359	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	6.65		7.5
_	T3L11B	MR-1360	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	6.78		7.5
	TILISY	MR-1361	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	6.38		7.5
377	T2L22A	MR-1362	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	5.97		7.5
378	T2L24F	MR-1363	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	6.78		7.5
379	T3L13J	MR-1364	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	7.05		7.5
380	R-12	MR-1365	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	6.65		7.5
381	T2I.25	MR-1366	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	6.24		7.5
382	T2L11Y	MR-1367	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	5.83		7.5
383	T3L13D	MR-1368	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	5.83		7.5
384	T3L11B	MR-1369	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	6.78		7.5
385	T2L24F	MR-1370	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	5.83		7.5
386	T2L22A	MR-1371	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	6.65		7.5
387	T2L25	MR-1372	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	7.05		7.5
388	121.25	MR-1373	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	6.65		7.5
89	T3L9	MR-1374	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	5.97		7.5
190	T2L19P	MR-1375	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	6.78		7.5
91	T3L11B	MR-1376	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	5.83		7.5
392	T1L5A	MR-1377	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	6.65		7.5
393	T3L11E	MR-1378	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	6.10		7.5
394	T21.18Y	MR-1379	Saptakoshi	OPC	Chisang Khola	18-Jan-19	25-Jan-19	15-Feb-19	7.05		7.5
395	T3L13D	MR-1380	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	7.33		7.5
396	T3L9	MR-1381	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	6.10		7.5
397	T2L19P	MR-1382	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Fcb-19	5.83		7.5
398	T2L24J	MR-1383	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	6.24		7.5
399	T2L25	MR-1384	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	6.38		7.5
400	TIL5A	MR-1385	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	5.83		7.5
101	T31.13D	MR-1386	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	6.78	_	7.5
102	T3L13D	MR-1387	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	6.92		7.5
103	T2L19Q	MR-1388	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	7.05		7.5
104	T2L19P	MR-1389	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	6.10		7.5
405	T2L22A	MR-1390	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	7.19		7.5
406	T3L8	MR-1391	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	6.38		7.5
407	T3L11E	MR-1392	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	5.83		7.5
108	T3L11H	MR-1393	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	6.65		7.5
409	T3L18Y	MR-1394	Saptakoshi	OPC	Chisang Khola	19-Jan-19	26-Jan-19	16-Feb-19	5.83		7.5
410	T3L19	MR-1395	Saptakoshi	OPC	Chisang Khola	20 Jan-19	27-Jan-19	ak TUPE WARP	-		7.5
					2		/201		9		
		Contractor					15/0	onsultant	121		
ZHO	ZHONGHENG CONSTRUCTION GROUP NTERNAL ENGINEERING CO. LTD				BUILDING B.N. C	CONSULT	AUTHORI	PAPE AN	DPLU	DINT VEN' S ENGINE DU, NEPAI	ERS &
Checke	Ø.	Verified by Approved By									
Enginee			Submitted I Contract Mar		Qty Engineer	CCE				Team Le	



		REC	GIONAL	Bira	BAN DEV atnagar Me atract No:- RU ary Sheet of M	tropolita IDP/ICB/E	n City BRT-02	PROJ	ECT		
								Month		Ja	nuary
							100	Year			019
							Descrip	otion of Sam	ple		k Wali
				Brand		1200	Date of		_	igth, N/mm2	
S.N.	Location	Lab Ref.no.	Type of Cement	of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28 Days	Type of Grade
411	T3L11B	MR-1396	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19	5.83		7.5
412	T2L19P	MR-1397	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19	6.51		7.5
413	T2L24F	MR-1398	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19	5.83		7.5
414	T3L13J	MR-1399	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19	6,10		7.5
415	T1L5A	MR-1400	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19	5.97		7.5
416	T3L13J	MR-1401	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19	6.24		7.5
417	TIL5A	MR-1402	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19	6.10		7.5
418	T31.13D	MR-1403	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19	6.78		7.5
419	T2L19P	MR-1404	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19	5.83		7.5
420	T2L19P	MR-1405	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19	6.65		7.5
421	T2L22A	MR-1406	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19	5.83		7.5
422	T3L8	MR-1407	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Fcb-19	5.83		7.5
423	T3L11E	MR-1408	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19	6.78		7.5
424	T3L11H	MR-1409	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19	5.97		7.5
425	T2L18Y	MR-1410	Saptakoshi	OPC	Chisang Khola	20-Jan-19	27-Jan-19	17-Feb-19	6.38		7.5
126	T3L9	MR-1411	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19	6.24		7.5
127	T2L19P	MR-1412	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19	7.05		7.5
428	T3L11B	MR-1413	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19	5.97		7.5
429	T21.24F	MR-1414	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19	6.78		7.5
430	T3L13J	MR-1415	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19	6.24		7.5
431	T2L25	MR-1416	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19	6.78		7.5
432	T1L5A	MR-1417	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19	6.24		7.5
433	T3L13D	MR-1418	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Fcb-19	5.83		7.5
434	T2L19P	MR-1419	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19	6.24		7.5
435	T2L22A	MR-1420	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19	6.78		7.5
436	T3L8	MR-1421	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19	5.83		7.5
437	T3L11E	MR-1422	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19	6,24		7.5
438	T3L11H	MR-1423	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19	5.78		7.5
439	T2L18Y	MR-1424	Saptakoshi	OPC	Chisang Khola	21-Jan-19	28-Jan-19	18-Feb-19	5.97		7.5
440	T2L19P	MR-1425	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	5.97		7.5
441	T3L9	MR-1426	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	7.05		7.5
442	T3L11B	MR-1427	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	6.24		7.5
443	T2L24F	MR-1428	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	5.97		7.5
444	T3L13J	MR-1429	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	6.78		7,5
445	T3L13J	MR-1430	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	6.10		7.5
446.	T2L25	MR-1431	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	6.65		7.5
147	T1L5A	MR-1432	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	6.51		7.5
	IONGHENG ERNATION			BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL							
Check	ced By	Verified By Oty Engineer/CSE Approved By Team Leader									

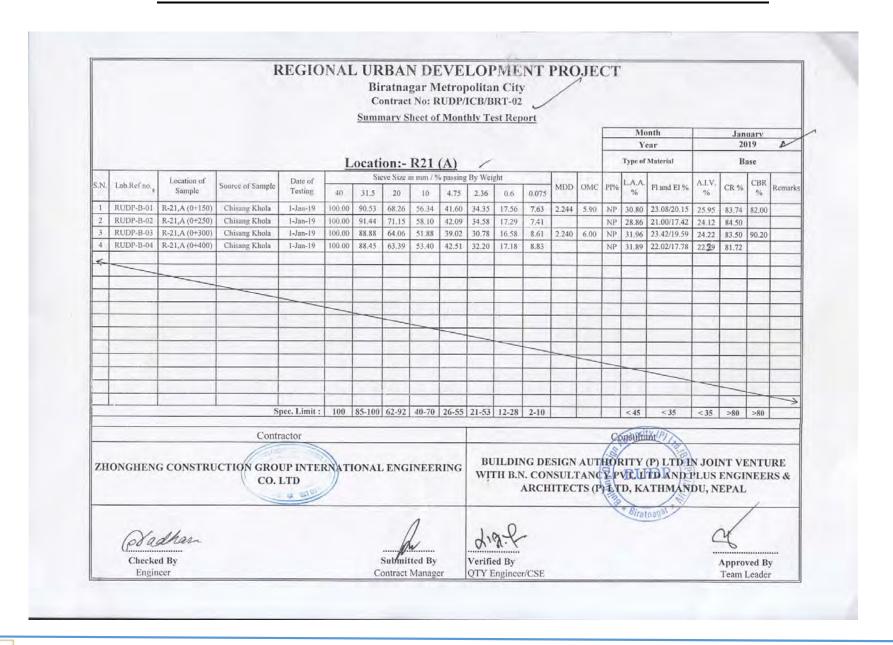


		REC	GIONAL	Bira	BAN DEV atnagar Me atract No:- RU ary Sheet of M	tropolita DP/ICB/E	n City BRT-02	PROJ	ECT				
								Month		Ja	nuary		
								Year		2019			
_							Descrip	otion of Sam			ck Wall		
5.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	Date of 7 Days	Testing 28 Days	7 Days	28 Days	Type of Grade		
148	T3L13D	MR-1433	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	5,83		7,5		
149	T2L190	MR-1434	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	6.38		7.5		
150	T2L19P	MR-1435	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	6.78		7.5		
151	T2L22A	MR-1436	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	5.83		7.5		
152	T3L8	MR-1437	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	6.51		7.5		
153	T3LITE	MR-1438	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	7.05		7.5		
154	T3L11H	MR-1439	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	6.78		7.5		
155	T2L18Y	MR-1440	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	5.97		7.5		
456	T3L11B	MR-1441	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	6.51		7.5		
457	T3L9	MR-1442	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	6.38		7.5		
458	T2L24F	MR-1443	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	5.83		7.5		
459	T3L13D	MR-1444	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	6.65		7.5		
460	T3L13D	MR-1445	Saptakoshi	OPC	Chisang Khola	23-Jan-19	30-Jan-19	20-Feb-19	6.24		7.5		
161	T2L19P	MR-1446	Saptakoshi	OPC	Chisang Khola	23-Jan-19	30-Jan-19	20-Feb-19	6.78		7.5		
62	T3L9	MR-1447	Saptakoshi	OPC	Chisang Khola	23-Jan-19	30-Jan-19	20-Feb-19	6.10		7.5		
63	T3L11B	MR-1448	Saptakoshi	OPC	Chisang Khola	23-Jan-19	30-Jan-19	20-Feb-19	6.92		7.5		
164	T3L13J	MR-1449	Saptakoshi	OPC	Chisang Khola	23-Jan-19	30-Jan-19	20-Feb-19	6.24		7.5		
165	T2L22A	MR-1450	Saptakoshi	OPC	Chisang Khola	23-Jan-19	30-Jan-19	20-Feb-19	7.19		7.5		
66	T3L13D	MR-1451	Saptakoshi Saptakoshi	OPC	Chisang Khola	-	30-Jan-19	20-Feb-19	6.10		7.5		
167	T3L8	MR-1452			Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19	6.51		7,5		
169	T2L22A	MR-1453	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19	5.97		7.5		
470	T3L11E T1L5A	MR-1454 MR-1455	Saptakoshi Saptakoshi	OPC	Chisang Khola	24-Jan-19 24-Jan-19	31-Jan-19	21-Feb-19	6.65		7.5		
471	TILIA	MR-1456	Saptakoshi	OPC	Chisang Khola	24-Jan-19 24-Jan-19	31-Jan-19 31-Jan-19	21-Feb-19 21-Feb-19	5.97		7.5		
472	T21.22A	MR-1457	Saptakoshi	OPC	Chisang Khola Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19	5.83	_	7.5		
473	T2L24F	MR-1458	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19	6.51	-	7.5		
474	T3L6	MR-1459	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19	5.83		7.5		
475	R-11	MR-1460	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19	6.78	_	7.5		
476	T21.24G	MR-1461	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19	5.83		7.5		
477	TILSA	MR-1462	Saptakoshi	OPC	Chisang Khola	24-Jan-19	31-Jan-19	21-Feb-19	6.78		7.5		
478	R-30	MR-1463	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	5.83		7.5		
479	T3L5	MR-1464	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	6.38		7.5		
480	TILI3A	MR-1465	Saptakoshi	OPC	Chisang Khola	22-Jan-19	29-Jan-19	19-Feb-19	5.97		7.5		
		Contractor				10 N	100	ansulfant	16				
		CONSTRU AL ENGINE			B.N. C	ONSULT	ANCY PY	LTDA	PLU	DINT VEN S ENGINE DU, NEPAI	TURE WITH ERS &		
Check	M.	THOMOHZ * 0	Submitted I		Verified By	ed By							

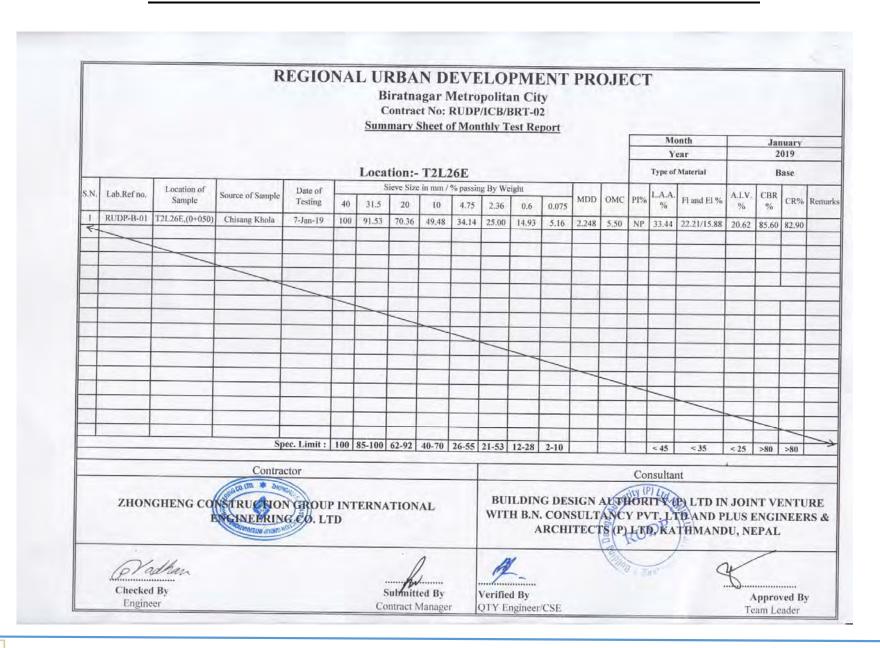


			2	.,	of Field Dens	[Month	Janua			
			Lagar	ion:-T2	1 26E	-	Year	2019			
			Local		content %	Type of Material ty(gm/cc)	Base Compaction %				
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density	Field Dry	Compaction %	Specified		
1	RUDP-B-FD-1, L/S	7-Jan-19	0+010	5.50	5.46	2.248	2.212	98.41	98		
2	RUDP-B-FD-1, R/S	7-Jan-19	0+050	5.50	5.18	2.248	2.241	99.67	98		
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	Contract	TOP .				nuth0	Consultant				
	ZHONGHENG CONST		MIP	BUILDI	NG DESIGN	AUTHORI	FY (P) LTD IN J	OINT VENTURI	E WITH B.N		
	INTERNATION EL ENG	NEERING CO	LTD	CONSU	JLTANCY PV	T ETD AN	THMANDU, NI	NEERS & ARCH	ÍTECTS (P)		
01	SHONONE.	# 111 13		1	May	1 19		-/			
Wan	Ihan	0.		1V	My Y	10.11	p=	Q			
Chec	ked By	Submitted By		Verified E	34			Approved By			
Engir		Contract Manag	er	Qty Engine	eer/CSE			Team Leader			





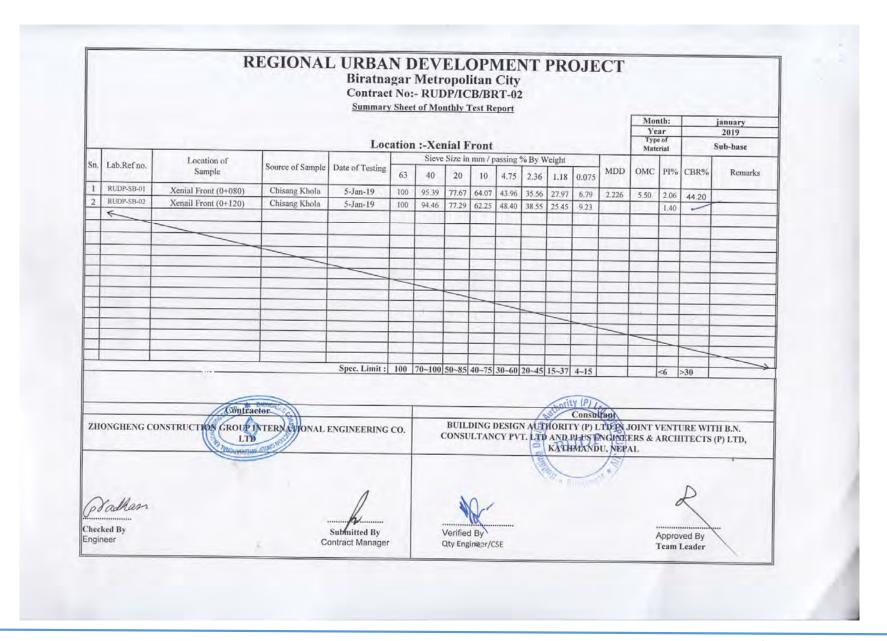














				REGIONA			PMENT PRO	JECT			
					Biratnagar	Metropoli	tan City				
				(Contract No:	RUDP/ICI	B/BRT-02				
				Daily App	lication Ra	te Check	for Priming	work			
Type of E	Bitumen:80/100 F	.G					ANUARY20				
Cutter Pe	ercentage:MC 70:	MC30					ANOANTZU	15			
SN NO	Location	Date of Priming	St From	ation	Side of Priming	Area of Priming	Intersection Area m2	Total Area M2	Bitumen	Application Rate	
1	R-37	04-Jan-19	0+000	0+256	Both Side	1111.04	0	1111.04	Consumption (Itr)	By Deep Lit/m2	Bt Tray Test Lit/m:
2	R-29	05-Jan-19	0+000	0+259	Both Side	1414.14	0	1414.14	1525	1.08	1.05
3	R-8	05-Jan-19	0+000	0+228	Both Side	775.2	0	775.2	825	1.08	1.06
4	R-21(A)	06-Jan-19	0+000	0+430	Both Side	3576.6	0	3576.6	3850	1.08	1.04
5	N-36	06-Jan-19	0+000	0+180	Both Side	788.4	0	788.4	-	12.00	1.065
6	T3L26E	09-Jan-19	0+000	0+073	Both Side	352.59	0	352.59	850 375	1.08	1.03
7	R-63	10-Jan-19	0+000	0+200	Both Side	1462	0	1462	1600	1.06	1.04
8	B2-1	12-Jan-19	0+000	0+180	Both Side	1587.6	0	1587.6	1700	1.09	1.04
<						1557.10	-	Total	11925	1.07	1.03
								Total	11925		
				_							
							1				-
	Re	quired spec	ification	for Prim	e coat 1.0 L	it/M2 ± 5	% Specific	Gravity	of Bitumen	028	
			ntractor					//	with (P)		
							DI III DINIO -	- (-N)	Consultan		
ZHONGI	HENG CONSTRU	CTION GROUP	INTERN	ATIONAL E	NGINEERING	CO. LTD	B.N. CO	NSULTAN	THORITY (P) LT GY PVT: LTD AN S (P) LTD, KATI	ID PLUS ENG	INEERS &
Vadh	m	A STANDING S	dougo nonde		0		d. all	100	* Biratnana	8	
necked By					Subantted By		V-ic-IP				
gineer					Contract Manage		Verified By QTY Engineer/C			A	pproved By



				E Co aily Appli	Biratnagar M ntract No: R cation Rate	etropolitar UDP/ICB/	BRT-02 or TACK CO	DAT			
ype of B	itumen:80/100 P.G			SUMMAR	Y FOR THE N	ONTH OF	JANUARY201	9			
S.N.	Location	Date of Tack coat	St	ation to	Side of	Area of	Intersection	Total	Bitumen	Application Rate	Application Rate
1	R-8	7-Jan-19	0+000	0+228	Tack coat BHS	Tack coat 777.48	Area m2	Area M2 777.48	Consumption	By Dip Lit/m2	Bt Tray Test Lit/m2
2	R-29	7-Jan-19	0+000	0+259	BHS	1419.32	0	1419.32	450	0.58	0.56
3	N-36	7-Jan-19	0+000	0+180	BHS	808.2	0	808.20	850	0.60	0.56
4	R-21(A)	8-Jan-19	0+000	0+430	BHS	3500.2	0	3500.20	500	0.62	0.55
5	T2L26E	0+000	0+073	BHS	351.86	0	351.86	2100	0.60	0.56	
6	R-63	11-Jan-19	0+000	0+200	BHS	1905.5	0	1905.50	1150	0.57	0.55
7	R-2	14-Dec-18	0+440	0+600	BHS	1554	0	1554.00	900	0.60	0.55
8	B2-1	13-Jan-19	0+000	0+180	BHS	1587.6	0	1587.60	900	0.58	0.57
						1.491.79	-	Total	7050	0.57	0.53
								TOTAL	7050		-
								-			
	Pogui	rod took or	i- 0	104-01	201 1/1950						
	Requi	red tack co	oat is u.	40 to 0.6	OLIT/M2	Accordin	ig to Road	Note -	3,Section	711.2	
				Speci	ific Gravity	of Bitume	en 1.028				
						200 00000		_			
		Cont	ractor						Consult	ant	
200		1000	UP INTERNATION				BUILDING D	ESIGN AU			VENTURE WIT
ZHONG	HENG CONSTRUC	TION GROUP	INTERNA	FIONAL EN	GINEERING (O. LTD	B.N. CO	NSULTAN	Y PVT. LTD	AND PLUS E	NGINEERS &
		130	1	5						19	
	N 11	CHONONS	* .011.0		1	2	1 4		100		D
C	prodhen				4.	/	diat				0)
	Checked By				Submitt	ed By	Verified By				
	Engineer				Contract N		QTY Engineer/C	CSE			approved By eam Leader
							4				cam Leader



			REGI		nagar l	Metropo - RUDP/I	olitan C CB/BRT	ity -02		ECT			
										Mon		Janu	ary
										Yea	r	201	9
									Type of M	laterial	Cancrete Sand		
S.n.	Lab.Ref no.	Date of	Location of	Source of Sample		Si	eve Size in	mm / % Pa	ssing by w	reight		Clay	
	Edio.rei no.	Test	Sample	Source of Sample	10	4.75	2.36	1.18	0.600	0.300	0.150	Contetnt%	Remarks
1	RUDP-CS-227	1-Jan-19	R-12	Chisang Khola	100.00	95.63	70.36	60.25	25.27	17.01	7.29	1.17	
2	RUDP-CS-228	2-Jan-19	R-6	Chisang Khola	100.00	91.49	72.68	58.60	24.57	16.54	7.09	1.55	
3	RUDP-CS-229	3-Jan-19	koshi-yard	Chisang Khola	100.00	93.60	68.90	56.78	18.99	10.37	6.01	1.93	
4	RUDP-CS-230	6-Jan-19	T3L11E	Chisang Khola	100.00	94.52	67.11	51.21	23.25	15.57	5.70	1.27	
5	RUDP-CS-231	7-Jan-19	R-34	Chisang Khola	100.00	92.50	72.26	61.01	22.51	14.81	5.73	1.21	
6	RUDP-CS-232	8-Jan-19	T2L24F	Chisang Khola	100.00	94.28	63.21	52.00	23.41	13.70	5.39	2.11	
7	RUDP-CS-233	8-Jan-19	T2L19Q	Chisang Khola	100.00	93.22	64.48	51.38	27.24	17.01	6.09	1.13	
8	RUDP-CS-234	10-Jan-19	R-6	Chisang Khola	100.00	92.68	69.35	65.33	18.52	11.41	3.88	1.76	
9	RUDP-CS-235	11-Jan-19	R-12	Chisang Khola	100,00	92.90	67.90	60.65	21.53	14.27	4.76	0.79	
10	RUDP-CS-236	13-Jan-19	T3L9	Chisang Khola	100.00	93.16	68.95	41.89	17.29	13.60	4.53	1.48	
11	RUDP-CS-237	13-Jan-19	R-84	Chisang Khola	100.00	92.67	68.23	43.30	25.90	16.62	5.87	1.97	
12	RUDP-CS-238	14-Jan-19	T3L8	Chisang Khola	100.00	92.05	63.68	46.42	26.22	15.44	6.81	1.51	
13	RUDP-CS-239	15-Jan-19	R-23	Chisang Khola	100.00	95.34	71.66	36.03	22.67	12.75	5.67	1.21	
14	RUDP-CS-240	16-Jan-19	R-20	Chisang Khola	100,00	95.20	72.57	56.10	29.36	18.38	7.54	1.83	
15	RUDP-CS-241	16-Jan-19	T3L11H	Chisang Khola	100.00	96.85	63.91	47.51	28.61	16.93	7.74	1.37	
16	RUDP-CS-242	17-Jan-19	R-34	Chisang Khola	100.00	95.29	79.87	52.44	29.06	14.61	3.25	1.73	
17	RUDP-CS-243	18-Jan-19	T3L13D	Chisang Khola	100.00	96.54	90.56	47.24	20.73	8.24	1.93	1.63	
18	RUDP-CS-244	18-Jan-19	T3L6A	Chisang Khola	100.00	93.03	78.72	37.39	18.05	10.56	3.30	1.79	
				Spec. Limit:	100	90~100	60~95	30~70	15~34	5~20	0~10	<3%	
			Control										
			Contractor			2012			Consultant	7.00	-		
2	HONGHENG	ENGIN	EERING CO.	P INTERNATION TD	AL	BUILDI B.	N. CON	SULTAN	CYPY	LTD A	ND PLU	DINT VENT S ENGINEE DU, NEPAL	URE WIT RS &
····	adhen ked By	(13 or month	ME # M1.00.8	Submitted By		Verified	S By		Bull		X	Approved	
ingir	neer			Contract Manage	r	Oty Engine						Team Leade	



					nagar act No:	Metropo RUDP/I	litan Ci CB/BRT-	ity -02		ECI					
										Mon	th	Janu	ary		
										Yea	r	20	19		
			Type of M	laterial	Cancrete Sand										
		Date of	Location of	A THE STREET		Si	eve Size in	mm / % Pa	ssing by w	reight		Clay			
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-245	20-Jan-19	T3L13J	Chisang Khola	100.00	92.73	74.29	36.42	18.82	7.96	4.13	1.26			
20	RUDP-CS-246	22-Jan-19	T2L19P	Chisang Khola	100.00	93.54	69.61	41.06	21.01	11.49	4.01	1.87	-		
1	RUDP-CS-247	22-Jan-19	T2L22A	Chisang Khola	100.00	91.78	65.92	39.26	22.35	15.58	5.97	1.94			
2	RUDP-CS-248	23-Jan-19	T3L13E	Chisang Khola	100.00	92.06	63.63	37.34	26.07	15.88	4.94	1,21			
3	RUDP-CS-249	24-Jan-19	R-10	Chisang Khola	100.00	91.83	65.78	43.71	23,40	15.12	4.64	1.71			
4	RUDP-CS-250	25-Jan-19	R-10	Chisang Khola	100.00	91.93	70.54	56.17	23.97	15.74	6.86	1.70			
5	RUDP-CS-251	26-Jan-19	T3L18Y	Chisang Khola	100.00	92.37	82.57	58.31	22.17	14.14	7.23	1.27			
6	RUDP-CS-252	27-Jan-19	T2L25	Chisang Khola	100.00	91.98	79.95	46.19	17.72	10.10	3.69	1.12			
7	RUDP-CS-253	27-Jan-19	Madhumara-yard	Chisang Khola	100.00	91.74	76.07	43.40	24.22	14.81	7.60	1.74			
8	RUDP-CS-254	28-Jan-19	T3L18B	Chisang Khola	100.00	94.79	76.65	46.88	22.23	12.93	5.12	1.20			
9	RUDP-CS-255	29-Jan-19	DDC-yard	Chisang Khola	100.00	92.40	71.38	45.89	28.44	15.92	7.42	1.50			
_				Spec. Limit:	100	90~100	60~95	30~70	15~34	5~20	0~10	<3%			
			Contractor			Consultant									
2	CHONGHENO		UCTION GROUP VEERING CO. LT	P INTERNATION FD	IAL		N. CONS	ULTAN	CY PV	r. LTD A	D PLU	DINT VENT S ENGINEE DU, NEPAL			
******	adhan ked By	O S ON THE WORK	1 1000	Submitted By		4.5	&		The state of the s			R			
	neer			Contract Manage	r	Verified Oty Engine						Approved Team Lead			



				REGIO)NA		Birati Contr	nagar act No	Metr	opoli P/ICB	tan C /BRT-	ity 02	r pr	ROJ	EC	Т					
						Sui	mmary	Sheet	of Mo	onthly	Test R	eport				M	onth		***	Eratio.	
																_	ear			uary 119	
				j	ocat	ion:- F	25(Son	th of E	SP R	(bec						Type of	Material		В	ase	
	1000	Location of		Date of				in mm /			ight							Wast.			
S.N.	Lab.Ref no.	Sample	Source of Sample	Testing	40	31.5	20	10	4.75	2.36	0.6	0.075	MDD	OMC	PI%	L.A.A.	Fl and El %	ALV.	CR %	CBR	Remark
1	RUDP-B-01	0+100	Chisang Khola	6-Jan-19	100	89.90	74.11	49.08	37.17	27.04	16.10	5.28	2.245	5.30	NP	31.50	24.79/16.73	26.52	87.90	84.60	-
2	RUDP-B-02	0+200	Chisang Khola	6-Jan-19	100	90.20	73.78	50.89	37.46	28.47	16.11	6.74	20070	0.50	NP		21.67/20.93	24.00	84.00	84.00	
3	RUDP-B-03	0+300	Chisang Khola	6-Jan-19	100	87.43	66.33	50.24	38.76	24.23	16.40	5.67			NP		21.51/18.34	22.38	88.94		
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_			SI	ec. Limit :	100	85-100	62-92	40-70	26-55	21-53	12-28	2-10				< 45	< 35	< 35	>80	>80	
			Contr	notor	_		_				_	_	_			-		_			
			Conti	actor	_		-	_	-	_		_				nsulta					
			ONSTRUCTIO	ZHOWA						DI	II DIN	o pr	OTON								
	ZHONO	GHENG C	ONSTRUCTIO	ON GROU	PIN	TERN	ATIO	NAL		DU	IFDIA	GDE	SIGN	AUT	HOR	HIY (P) LTD I	N JOI	NT VE	NTU	RE
		(ENGINEERI	NG CO. 1	TD					WIII	H B.N	. CON	TTEC	TOO	Y	TOTA	TD AND I	LUS	ENGI	NEEF	88
		1	1								4	MCH	TIEC	15) Fr	D, KA	THMAN	DU, N	EPAL		
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	Checked						Submit	ted By		Verifie	d By	TO THE							Approv		
	Engine	er				C	ontract l	Manage			ngineer	CSE							Team I	A STATE OF THE PARTY OF THE PAR	



																Mo	nth		Ja	nuary	
																Ye	ar		2	2019	
						Loc	ation	:- B2-	2						T	ype of ?	Material		1	Base	
.N.	Lab.Ref no.	Location of	Source of Sample	Date of		S	ieve Size	in mm /	% passin	g By We	ight		MDD	OMC	P1%	LAA.	Fl and El %	A.I.V.	CD 6	CBR	
		Sample	bource or bampie	Testing	40	31,5	20	10	4.75	2.36	0.6	0.075	MDD	CHVIC	1170	%	Pland El 76	%	CR %	%	Remarks
1		B2-2,(0+090)	Chisang Khola	2-Jan-19	100	86.77	65.89	51.49	35.98	26.77	15.12	6.67	2.246	4.60			21.64/17.87			86.00	
2	RUDP-B-02	B2-2,(0+150)	Chisang Khola	2-Jan-19	100	91.82	68.36	54.39	37.32	30.85	17.27	7.94			NP	33.68	22,49/20,28	23.22	87.15		
-																					
-																					
																					-
-																					
-				pec. Limit :	100	05 100	£2.02	40.70	26.55	21.52											
-				pec. Limit :	100	85-100	62-92	40-70	26-55	21-53	12-28	2-10				< 45	< 35	< 35		>80	
			Contr	actor											Co	nsult	ant				
	ZHON	GHENG CO	ONSTRUCTIO ENGINEERI	ON GROUNG CO. L	PIN	TERN.	ATIO	NAL		BUIL		CONS	ULTA	NCY	PVT.	Y (P)	LTD IN J AND PLI ATHMAN	US EN	GINE	ERS	
	Checke Engin					1	Submit	tted By	er		erified Enginee		4.				Approved Team Lead	By			



4																Mo				uary	
						Loc	ation	n:-N-	26							Type of	Material)19 ase	_
		Location of		Date of				e in mm /		g By We	ight						I		15		
S.N.	Lab.Ref no.	Sample	Source of Sample	Testing	40	31.5	20	10	4.75	2.36	0.6	0.075	MDD	OMC	PI%	LAA.	Fl and El %	ALV.	CR %	CBR	Remar
1	RUDP-B-01	N-36,(0+100)	Chisang Khola	2-Jan-19	100	98.76	75.55	60,80	38.69	24.47	15.68	7.50	2.243	6.00	NP	32.70	23.49/17.55	23.68	81.27	87.40	
							-													-9	
			S	occ. Limit :	100	85-100	62-92	40-70	26-55	21-53	12-28	2-10				<45	< 35	- 20	- 66		
							34.74	10.10	20.00	21-00	12-20	2-10 1						< 35	>80	>80	
-			Contra	ctor				_						6		nsultá					
ZH	ONGHENO	G CONSTRUC	CTION GROU		TI	ONAL	ENG	INEEL	RING	BUIL	DING	DESIG	NAU	THO	RITY	Y (P) 1	TD IN JO	TAIC	VENT	URE	WITE
			CO. L	15 -1							D.N. C	ARCH	ITEC	TSOP	RI	D. KA	AND PLU	S ENC	FPAL	RS &	
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	Check									11.1	1.										
	Engir							Manage		Verifie OTY F	d By ngineer	CSF						Appro Team I	ved By		
								2		4	- Bineen	.000	_					1 cam i	æader		



			R	EGIONA	Bira Con	BAN D tnagar I tract No:- mmary sh	Metropo RUDP/I	olitan C CB/BRT	ity -02	OJECT				
-					30	WINIAKT 311	LLI OI CLI	VILLAL LEDI	2-		Monti	h	Dece	mber
											Year		20	18
7	Lab			Consista	ncy & Setting	Time	Soundnes	Fineness	Date of	Date of	Testing	Streng	th N/mm²	
.N.	Ref.no	Type of cement	Tetsing Date	Normal Cons.(%	1		s(mm)	(%)	Casting	7 Days	28 Days	7 days	28 Days	Remark
1	29	Saptakoshi OPC		isomar const,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				5-Dec-18	12-Dec-18	2-Jan-19		48.05	
2	30	Saptakoshi OPC							18-Dec-18	25-Dec-18	15-Jan-19		45.89	
3	31	Jagdamba OPC							22-Dec-18	29-Dec-18	19-Jan-19		48.87	
4	32	Ambe Hi-Tech	3-Jan-19	31.25	114.00	217.00	2.11	3.38	4-Jan-19	11-Jan-19	1-Feb-19	36.63		
5	33	Salimar OPC	9-Jan-19	29.75	105.00	232.00	2.95	2.90	10-Jan-19	17-Jan-19	7-Feb-19	37.23		
6	34	Saptakoshi OPC	16-Jan-19	30.50	119.00	228.00	2.19	3.24	17-Jan-19	24-Jan-19	14-Feb-19	35.22		
5	35	Saptakoshi OPC	20-Jan-19	31.50	112.00	205.00	3.80	3.28	21-Jan-19	28-Jan-19	18-Feb-19	36.03		
om	ments:-	Sp.L	imit:		Min-30	Max-600	<10	<10				>33	>43	
	ZHO	ONGHENG CON	The state of the s	GROUEINT	ERNATIO	NAL	BUILD	ING DES	PVT. LTD A	Consideration of Plus Englandor	DINTOINT	VENTU ARCH	RE WIT	H B.N. (P) LTD
	Ch	eeked By	Makaz	Submitt			Verifi OTY Engi						Approved Team Lea	Ву



REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report of 20mm Agg. Month January Year 2019 Type of Material 20 mm Agg Location of Sieve Size in mm / % Passing by Lab.Ref no. Date of Testing L.A.A.% Fl and E1 % A.I.V.% Remarks Source of Sample 20 10 4.75 Sample 40 RUDP-CA-227 2-Jan-19 R-23 Chisang Khola 100.00 96.70 40.56 1.73 26.96 21.02/19.50 21.25 20.86/18.26 37.89 25.18 21.80 RUDP-CA-228 4-Jan-19 DDC Yard Chisang Khola 100.00 97.31 1.57 RUDP-CA-229 4-Jan-19 Koshi Yard Chisang Khola 100.00 97.66 37.38 1.35 27.76 20,03/16,19 18,04 19,20 RUDP-CA-230 5-Jan-19 T2124F Chisang Khola 100,00 97.12 41.53 1.28 26.02 20.10/17.93 RUDP-CA-231 5-Jan-19 100,00 97.51 41.01 2.36 27.10 19.89/17.49 19.91 Madhumara yard Chisang Khola 2.41 26.74 RUDP-CA-232 6-Jan-19 T3L11E Chisang Khola 100,00 40.40 19.96/16.99 21.02 RUDP-CA-233 34.91 2.62 25.90 20.05/18.97 21.78 7-Jan-19 T2L190 Chisang Khola 100,00 97.04 RUDP-CA-234 34.09 1.13 26.10 20.61/19.44 20.18 8-Jan-19 R-6 Chisang Khola 100.00 96.18 41.38 RUDP-CA-235 9-Jan-19 R-12 Chisang Khola 100.00 96.61 3.24 22.88 21.23/16.68 20.23 RUDP-CA-236 10-Jan-19 T3L9 Chisang Khola 100.00 96.30 41.74 2.83 24.12 20.17/17.73 22.27 RUDP-CA-237 13-Jan-19 T3L8 Chisang Khola 100.00 96.11 36.67 3.69 27.02 21.43/17.62 19.92 19.51/16.61 21.82 RUDP-CA-238 14-Jan-19 R-84 Chisang Khola 100.00 97.16 40.83 2.10 24.12 RUDP-CA-239 15-Jan-19 R-20 Chisang Khola 100.00 96.64 39.22 3.00 26.20 18.90/16.29 21.12 RUDP-CA-240 T3L11H 25.04 19.24/18.72 23.50 15-Jan-19 Chisang Khola 100,00 97.96 42.69 3.12 RUDP-CA-241 16-Jan-19 R-34 Chisang Khola 100.00 98.35 43.76 3.21 26.52 20.92/18.67 20.94 19.94 RUDP-CA-242 T313D 97.27 47.44 3.74 18.06/17.07 17-Jan-19 Chisang Khola 100.00 20,90 RUDP-CA-243 T313D Chisang Khola 100.00 97.00 47.09 3.00 25.12 18.17/16.37 22.30 17-Jan-19 RUDP-CA-244 17-Jan-19 T316A Chisang Khola 100.00 97.52 28.64 1.77 25.90 21.05/18.21 19.69 T3L13J 30.3 20.60/18.33 21.95 RUDP-CA-245 18-Jan-19 Chisang Khola 100.00 98.76 2.01 26.96 Spec. Limit : 100 95~100 25~55 0~10 <35 < 25 < 25 Consultant (P) Contractor BUILDING DESIGN AUTHORITY (P) LTD D JOINT VENTURE ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL WITH B.N. CONSULTANCY PVT-LTD AND PLUS ENGINEERS & ENGINEERING CO. LTD ARCHITECTS (P) LTD, KATHMANDU, NEPAL (Wadkan Checked By Submitted By Verified By Approved By Engineer Contract Manager Qty Engineer/CSI Team Leader

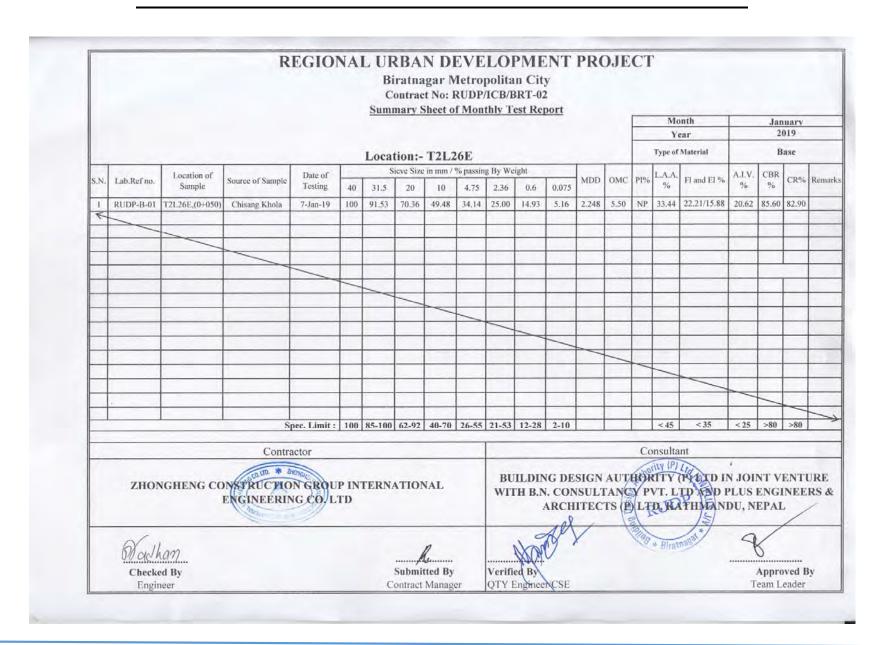


				AL URBA Biratna Contrac	gar Me t No:- R	etropoli UDP/IC	itan Ci B/BRT-	ty 02		ECT		
			51	immary Sneet of	Month	y Test R	eporto	20111111	Mor	oth	In	nuary
									Yes			2019
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							(0) 0		Type of A	rateriai	2011	
S.n.	Lab.Ref no.	Date of Testing	Location of	Source of Sample		ize in mm			L.A.A.%	Fl and EI %	A.I.V.%	Remarks
		THE STATE OF	Sample	OL: 101 1	40	20	32.05	2.75	24.32	21.01/19.60	21.96	
20	RUDP-CA-246	18-Jan-19	T2L19P	Chisang Khola	100.00	96.55		2.75	26.10	20.93/19.64		
21	RUDP-CA-247	20-Jan-19	T2L22A	Chisang Khola	100.00	97.18	30.01 47.88	7.76	30.02	17,77/16.26		
22	RUDP-CA-248	22-Jan-19	R-10	Chisang Khola	100,00		37.38	6.31		22.01/19.72		
23	RUDP-CA-249	22-Jan-19	T3L13E	Chisang Khola	100.00	97.57	_		24.12	19,65/17.95		
24	RUDP-CA-250	22-Jan-19	T2L18Y	Chisang Khola	100.00	97.64	40.06	3.44		19.65/17.95		
25	RUDP-CA-251	23-Jan-19	T2L25	Chisang Khola	100.00	96.65	34.94	3.35 2.28	23.72	20.63/17.90		
26	RUDP-CA-252	23-Jan-19	DDC yard	Chisang Khola	100.00	96.21	_			21.00/17.91		
27	RUDP-CA-253	25-Jan-19	T3L11B	Chisang Khola	100.00	96.64	44.07	2.44	26.96			
28	RUDP-CA-254	26-Jan-19	Madhumara yard	Chisang Khola	100.00	96.71	33.13	5.01	25.72	20.39/17.10		
29	RUDP-CA-255	28-Jan-19	DDC yard	Chisang Khola	100.00	96.65	39.70	5.03	27.18	18.49/15.36	18.70	
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				0 11 1	100	0.5.400	25.55	0.10	-25	< 25	< 25	
				Spec. Limit:	100	95~100	25~55	0~10	<35	~ 25	< 25	
							_		-	Consultanto	1	
		. (Contractor				_		1/2	5/	97	
	ZHONGHEN		TION GROUP ERING CO. LT	INTERNATION	IAL	WIT	H B.N.	CONSU	ILTANG	PAT. DTD	LTD IN JOI AND PLUS IMANDU, N	NT VENTUR ENGINEERS EPAL
0	Vadhan Thecked By	13.	# MD-001	Submitted	By	Verifie	EO.			Biratha	Appr	oved By
,	Engineer			Contract Ma		Oty Eng						Leader



CONCER			Test Resu		THE M	THE PASSE	mean carrie	HARAINE .		T 245.	78)			HIBHDILL		2131
	題			-	Packa	and the second section	-	or minute market	THE RESERVE	in the				HOUS.		P.g 1
0 1	АВ			10000000000000000000000000000000000000			gg Grad		1		Bitumen Content	Mix	Air Voids		Stability	
S. R.	AB EF.	Date of Laying	Location of Work ch:	20	15	9,5	4.75	2.36	0.6	0.075	From Extraction Test %	Density gm/cc	%	VMA %	N	Flow
1 4	18	7/1/2019	R-8,R-29& N-36CH:0+000 to 0+228,0+000 to 0+259&0+000 to 0+185	100	100	78.79	56.31	35.10	16.65	6.26	5.70	2,362	3.72	16.82	11935	2.
2 4	19	8/1/2019	R-21,CH:0+000 to 0+430	100	100	78.90	56.63	35.31	16.75	6.57	5.71	2:365	3.58	16.72	12230	2.
3 5	50	11/1/2019	T2L26E&R-63,CH:0+000 to 0+073&0+000 to 0+200	100	100	78.79	56.72	35.51	17.05	6.44	5.73	2.372	3.23	16.46	10897	2.
4 5	51	13/1/2019	B2-1,CH:0+000 to 0+180	100	100	78.78	56.62	35.81	17.14	6.32	5.75	2.369	3.37	16.32	11534	2.4
	-		Specifacations	100	100-100	76-82	54-59	33-37	16-21	6 to 9	5.703	Min2,358	3-6%	≥15	≥ 8500	2
		Job Mix Tol	erances from RUDP Specification Table2-4-10	15%	Nill	±5%	±3%	±2%	±1%	Nill	±0.3%	For	(25-51)mn	n Thickne	ss W/C Co	ourse
Tes ///	MARI	onducted Sr,Lab Lab T Kalika C	Contractor Re /Report Prepared by: Technician	eps C	Submitted ontract Ma	By:	Sup		HIMBEL	BUILDIN	G DESIGN	Verifier Verifier I AUTHOR	DUSUITAND DE LA DIVINION DELLA DIVINIONE DELLA DIVINIONE DELLA DIVINIONE DELLA DIVINIONE DELLA D	OVERDON DO AND PLI	nt Venture	







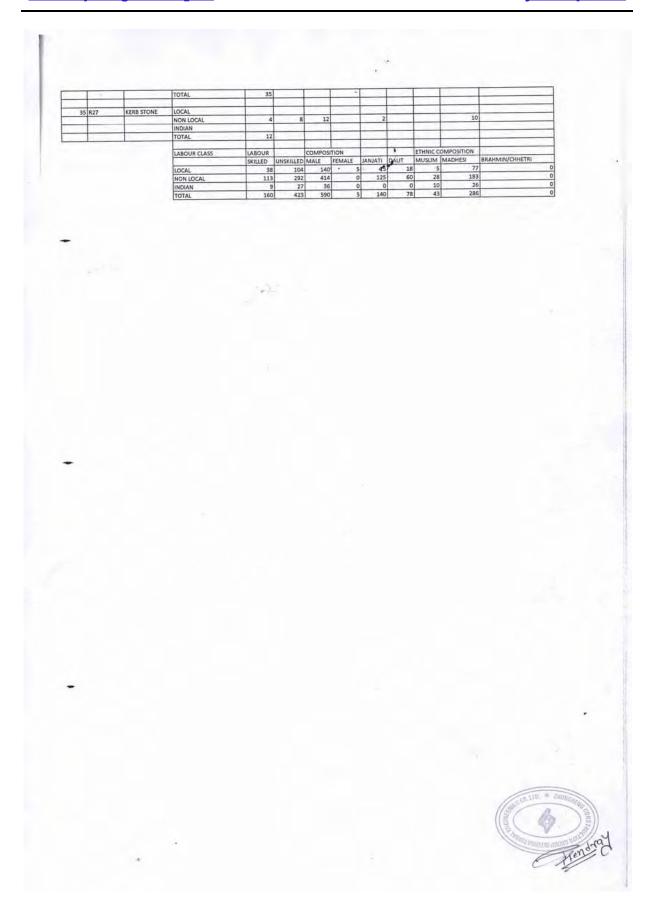
ANNEX-4: SOCIALSAFEGUARD MONITORING/ENVIRONMENTAL MONITORING FORMATS ATTACHED

1.500	neral loformatics			Regional Urba Social Sa Invent	fegua	opment Port Mon	itoring					
Suhne	eral informatio roject: -RUDP/IC	B/BRT/2		arment de vi		50 25m5	et de		Co		e: RUDP/ICB/BRT/2	
Name S.NO	LOCATION	TYPES OF WORK	INSTRUCTION GroupInte	LABOUR	10	OMPOSITION	ETHNIC	OMPOSITI	ON			1
			LOCAL	SKILLED UN	SKILLED N	MALE FEM	ALE JANJATI	DALIT	MUSUM	MADHESI	BRAHMIN/CHHETRI	-
	1 R106		NON LOCAL									1
			TOTAL	7 27	20	27			10	17		
-												
_	2 MADHUMAF	PRODUTION	NON LOCAL	15	23	38	25			13		1
			INDIAN	38					-			-
			TOTAL	38								1
	3 T3L11H	DRAIN	LOCAL NON LOCAL	10	40	50	10	10		30		
			INDIAN	75	-				2-5-2			
-			TOTAL	50								
	4 T3L11B	DRAIN	LOCAL	4	3	7						-
			NON LOCAL INDIAN									
			TOTAL	7								
	5 T1L13A	DRAIN	LOCAL					1				
			NON LOCAL INDIAN	5	12	17				17		
			TOTAL	17				-				+
-	6 R12	HOUSE CONNECT	LOCAL	2	9	11				11		
			NON LOCAL INDIAN									=
		16	TOTAL	11								
-	7 T3L8	HOUSE CONNECT	LOCAL	2	5	7					7	
			NON LOCAL INDIAN									
			TOTAL	7								
	8 T3L39A	HOUSE CONNECT	LOCAL	3	9	12				1	2	
	0 13037	INCOSE CONNECT	NON LOCAL									
-			TOTAL	12								
	9 R84	DRAIN	LOCAL					-	-			
	3 1104	Diodis	NON LOCAL	5	12	17		5		1	2	7
-	-		TOTAL	17								
	11											-
-	10 R12	DRAIN	NON LOCAL	6	15	21		4	6	5	6	
			TOTAL	21			-					-
												7
-	11 R87	SUB-BASE	NON LOCAL	2	7	9				3	6	
	1		INDIAN	9					1			-
			TOTAL									
-	12 R12	SUB-BASE	NON LOCAL	1	6	7				2	5	
-			INDIAN									-
			TOTAL	7						15		
	13 513	DRAIN RISE	NON LOCAL	7	24	31		10	5	1	6	
			INDIAN		24	34						
-			TOTAL	31								
	14 513		LOCAL			23		5 1	10	3	5	
		7	NON LOCAL INDIAN	5	18	23		1				
			TOTAL	23				1	-			-
	15 DDC YARD	PRODUCTION	LOCAL							1		
-			NON LOCAL INDIAN	6	22	28		10	5		13	
			TOTAL	28				1		1		-
-	16 T3L7	SEWER	LOCAL									TIL + ZHONGA
F			NON LOCAL INDIAN	2	7	9		-	1	-	9	The - choling
			TOTAL	9							1 1/27	1/2
										1	1121	- Chara



_	17 T2L24G	DRAIN	LOCAL	1			-1			-		
	1/ 121246	DRAIN	NON LOCAL	5	12	17	7			10		
			INDIAN		- 1							
			TOTAL	17								
	18 R6	RCC DRAIN	LOCAL							-		
			NON LOCAL INDIAN	7	12	19	9		5	5		
			TOTAL	19		2						
70	19 T1L5A	DRAIN	LOCAL	- 4	12	16		6		10		
			NON LOCAL INDIAN									
			TOTAL	16								
_	20 T3L22B	DRAIN	LOCAL						-	-		
	20 130220	DIMIN	NON LOCAL	5	10	15	5	5		5		
			TOTAL	15				-		-		
	21 T1L5	SEWER	NON LOCAL	2	4	6				6		0
			INDIAN									
			TOTAL	6								
	22 T3L5	DRAIN	LOCAL	5	12	17	5	5		7		
			NON LOCAL INDIAN									
-			TOTAL	17					- 1			
	23 T2L22A	DRAIN	LOCAL	4	7	11	5			16		
_			NON LOCAL INDIAN							-		
			TOTAL	16								
	24 T3L228	DRAIN	LOCAL			-						
	24 TOLLED	Ditrait	NON LOCAL	5	13	18	8			10		
			TOTAL	18	-	-				-		
		100										
	25 T2L23A	DRAIN	LOCAL									2
		1	NON LOCAL	3	8	11	5	1		5		
		1	INDIAN TOTAL	11								
	26 R10	SEWER	NON LOCAL									
			INDIAN	2 9	7	9				9		
			TOTAL	9								
	27 RANI	DRAIN	LOCAL NON LOCAL	5	12	17			10	7		
			INDIAN	3	12	- 1/			10	- 1		
-			TOTAL	17								
	28 R11	DRAIN	LOCAL									
		-	NON LOCAL INDIAN	4	9	13		4		9		
		1	TOTAL	13								
	29 T3L6	DRAIN	LOCAL									
			NON LOCAL	5	16	21			5	6		
			INDIAN TOTAL	16								
8	30 R2	DRAIN	LOCAL			2/						
	30 112	URAIN	NON LOCAL	6	18	24	10	5		9		
7	-		INDIAN TOTAL	24								
				24								
-	31 T3L5	DRAIN	LOCAL NON LOCAL	4	15	19	5	4		10		
			INDIAN		13	19	,	4		10		
-			TOTAL	19								
	32 RZ	INTER LOCK	LOCAL	2	7	7		2		7		
		1	NON LOCAL INDIAN	1		-						1
			TOTAL	9								
_	33 R867	MH RISE	LOCAL	1	5	6				6		
	33 NO07	mit of SE	NON LOCAL	1								
			TOTAL	6			-				150. * ZHO.	CHENO
											1100	1211
-	34 KOSHI YAR	PRODUCTION	NON LOCAL	10	25	35	10	10		15	Printerson and Old) (5)
			INDIAN	-			-				1121	1811





.4	Use of private land and agreement with	movement Yes	
5	land owners 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	Not Applicable	
6.1	Quarry/borrow operation sites	Not Applicable	
6.2	Crusher plant and Asphalt plant operation restoration	Asphalt Plant	
7	Impact/Disruption of Private		
4.1	properties	Not Applicable	
7.1	Building structures	Not Applicable	
7.2	Other utilities	Not Applicable	
8	Impact/disruption of public infrastructures		
-8.1	Irrigation canal	Not Applicable	
8.2	Water supply pipe	Not Applicable	
8.3	Access road	Not Applicable	
8.4	Electric/Telephone pole	Not Applicable	
8.5	Others	Not Applicable	
9	Sites for cultural and religious values		
9.1	Cultural and religious sensitive spots (if any)	Not Applicable	
10	Forest and vegetation		
10.1	Number of trees removal	00	
10.2	No of tree plantation (Roadside)	Not Applicable	
11	Accident cases and records	No any records	
12.1	Men and women	Yes, both men and women	
12.2	Child labor (if any)	No	
13	Establishment of Safeguard desk and meeting	Yes	
14	Grievances from local people and addressed	Yes	





<u>Environmental Monitoring Format</u> 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: Jan 2019

-						
~	L.	-	-	1.	list	

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	
.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	in the second	
3.3	Drinking water supply and sanitation facilities/ pit latrines	Yes	
3.4	Waste Disposal and Management facilities	Tap water/ Hand Pump Yes	
3.5	Type of fuel used for cooking	L.P.G	
4	Spoil and Construction material Management		
4.1	Cut and fill balance maintained or not, Reuse of spoil materials	Cut & Fill balance maintained	
4.2	Use of safe spoil disposal locations	Not Applicable	(30.02
4.3	Disturbance to Pedestrian and traffic movement	No any disturbance to pedestrians & traffic	



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

Subproject Road : -RUDP/ICB/BRT/2

Month/Year: Jan 2019

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

Contract Package: RUDP/ICB/BRT/2

		Co	mpliance Sta	tus	Implementing	Note of	15.6
S.N	Key Social Issuse	Full	Partial	None	Agency	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		× 1			
- 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					9





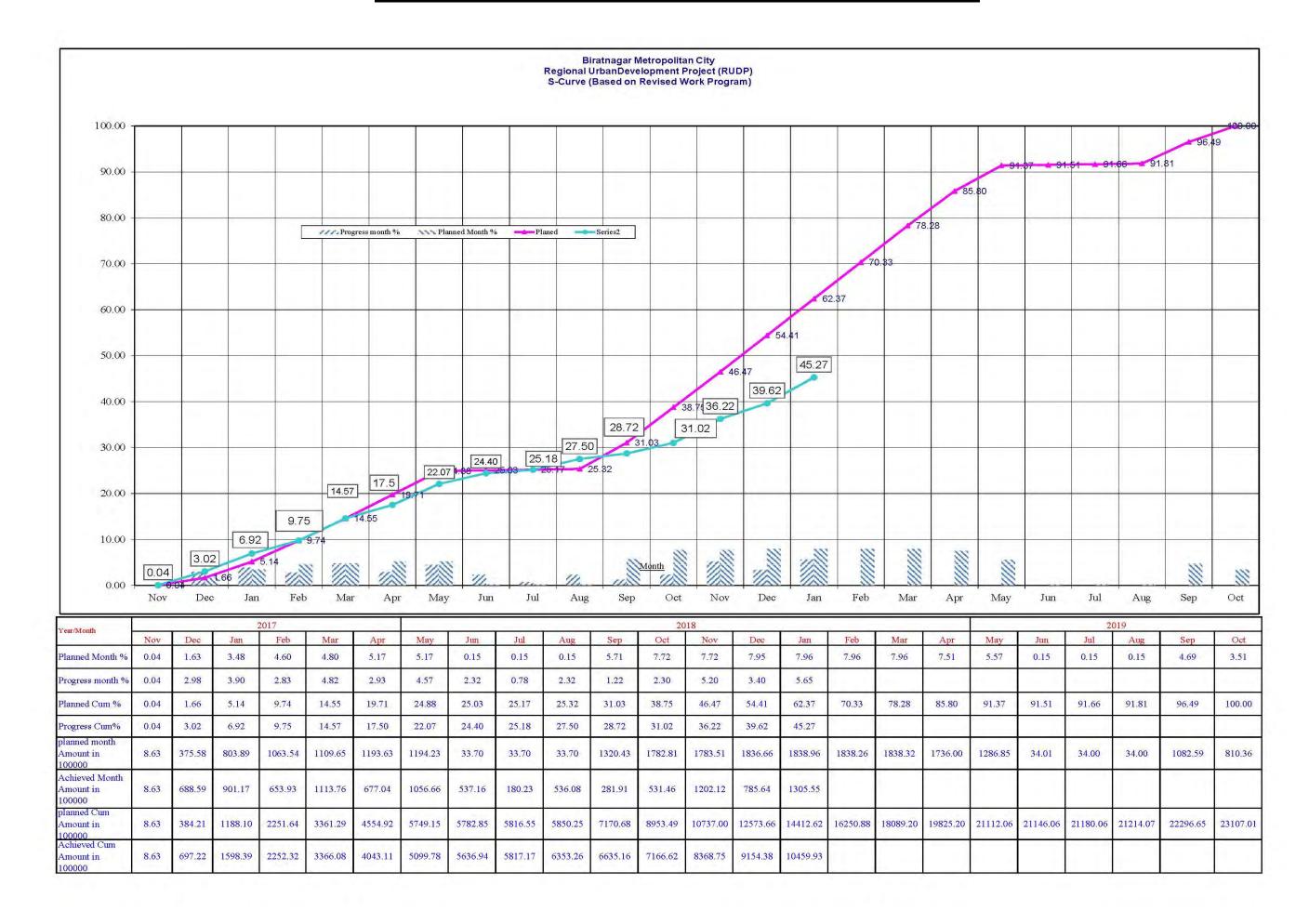
Verified by

Monitored by:



ANNEX-5: S-CURVE

Attached





ANNEX-6: MASTER PLAN OF RUDP PROJECT

