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



September 2018

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 by following Chapters as mentioned below.

- **1. Introduction/ Background-** It provides brief Account of 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 brief Account of 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 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 being 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. Having said that, the Progress may get affected by unpredicted events frequently occurring in case of our Country Nepal so such events are also enlisted for viewing the reasons behind affected Progress.
- 6. Details of Pre Cast Activities- Details of Precast activities are also provided in this Chapter in order to demonstrate the Progress by the Contractor. Since in Urban Sector the Work is required to conduct in speedy manner, Precast work is best alternate to be provided. Hence, the details of Precast activities have been provided in order to determine whether the Contractor is able to meet the Schedule or not.
- 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 28th September 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)	19.18%									
Sewer Line	40.79%									
Storm Drain	97.44%									
Road Side Drain	48.19%									
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 : 31.03% , Actual : 28.72%; Lead(+) or Lag(-) by (-) 2.31%									
Einensiel Drogense um te date	In Percentage: 28.71%, In Figure: NRs. 749,668,654.07(including VAT,PS and Price Adjustment)									
Financial Progress up to date	In Words: NRs. Seven Hundred Forty Nine Million Six Hundred Sixty Eight Thousand Six Hundred Fifty Four and Paisa Seven Only.									



3. 3	SUMMARY OF PF	OGRESS STATUS O	OF ALL MAJOR O	COMPONENTS
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S.No	Description	Unit	BoQ Quantity	Progress up to date	Remaining	Progress Status expressed in %	Remarks
1	Sewer Line						
а	HDPE/RCC	m	20,082.00	8,191.00	11,891.00	40.79%	
b	Manhole	No.	656.00	276.00	380.00	42.07%	
c	Sewer Inlet	No.	1,010.00	107.00	903.00	10.59%	
d	House Connection	No.	3,784.00	113.00	3,671.00	2.99%	
2	Storm Water Drain						
а	RCC Drain	m	652.89/585	570.00	15.00	97.44%	Revised Length =585m
b	Piles	No.	132.00	138.00	(6.00)	100.00%	Exceeded
3	Road						
а	Subgrade	m	73,860.00	24,377.25	49,482.75	33.00%	
b	Subbase	m	73,860.00	24,153.65	49,706.35	32.70%	
с	Base	m	73,860.00	18,398.10	55,461.90	24.91%	
d	Prime	m	73,860.00	14,167.45	59,692.55	19.18%	
е	Asphalt	m	73,860.00	14,167.45	59,692.55	19.18%	
4	Road Side Drain	m	26,050.00	12,554.59	13,495.42	48.19%	



3.1 SUB PROJECT COMPONENTS

3.1.1 SEWER LINES

Surveying works going on after identifying the all sewer lines i.e. T1, T2, T3, and T4. Production of manhole cover and precut are also going on at yard. Contractor has started the sewer inlet and house chamber connection works at R2, DSP road, T4Line 1 etc. and work is going on.In this month,the contractor has started sewer inlet and House connection chambers at T2 Line 18C, T2 Line 18A, T2 Line 26E, T2 Line 27,R12, R65, R87, R84, R45, T3 Line 11K, T3 Line 11i etc.

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	2,902.00
2	Manhole (Brick / RCC)	no.	685.00
3	Sewer Inlet	no.	1,010.00
4	House Connection	no.	3,784.00
5	Reinstatement of Roads	km	73.86
6	Road side Drain	Km	26.05
7	Storm Water Drain	m	652.8

Table 1: PROPOSED SEWER LINES



		Bo	Q	Up to Pre	e Month	This	month	Total	to date	
SN	Locations	Length	Manhole	Length(m)	Manhole	Length	Manhole	Length	Manhole	Progress %
		(m)	(no)	0 ()	(no)	(m)	(no)	(m)	(no)	
1	Hume pipe(T2)	206.00	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	618.00	17.00	-	-	618.00	17.00	
1	HDPE(T1)	1,825.00	57.00	1,037.00	30.00			1,037.00	30.00	
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	2,771.00	97.00			2,771.00	97.00	
4	HDPE(T4)	2,092.00	68.00	769.00	19.00			769.00	19.00	
	Subtotal in (m)	17,841.00	588.00	7,573.00	259.00	-	-	7,573.00	259.00	
	Total	20,082.00	656.00	8,191.00	276.00	-	-	8,191.00	276.00	40.79%
	Sewer Inlet	BoQ(no)	Up to Pre	e Month	This	month	Total (to date	Progress %
1	Sewer inlet	1,010	0.00		71.00		36.00		107.00	10.59
2	House connection	3,784	.00		26.00		87.00		113.00	2.99

Table: - 2 PHYSICAL PROGRESS IN SEWER LINES till September, 2018

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:



			Lei	ngth in m			_	Work Completed				Length	
SN	Name of		Revised	Prog	gress	Cum	Type of Drain	Brick		RCC		of Covere	Rema
DIT	Drain	Original		Previous	This Month	ulativ e		m	M ³	m	M ³	d Drain in m	rks
1	CN2- CN3(Chya ngh Baari Nala)	652.89	585	570	0	570	RCC, closed			570		570	
2	CN2- CN3(Chya ngh Baari Nala)	132 nos piles	138	138	0	138 nos.							Piling works compl eted

Table:-3 PROPOSED and PHYSICAL PROGRESS in STORM WATER DRAINS TILL September, 2018.

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. The Contractor has already started road works for upgrading the deteriorated pavement surface. The details of progress is as listed below;

				L	ength in m				Work Co	mpleted		
SN	Road Number	Name of Road	01	D · 1	Prog	Progress		Sub- base	Base	Asphalt	RCC	Remarks
			Original	Revised	Previous	This Month	Total	m	m	m	m	м
1	R42	Bhagwati Marg	218	218	218		218	218	218	123		
2	R5	College Road	970	970	650		650	650	650			
3	B2	Gauri Shankar Marg	2777.83	2777.83	2152		2152	2152	2152	1999.8	210	
4	R65	Satghumti Marg	282	320	320		320	320				
5	R107		173	215	215		215	215				
6	R107 a		50	50	50		50	50				
7	R104	VIP Marg	273	273	273		273	273	273	273		
8	R3A	Madhumara Marg	600	600	600		600	600	600	582		
9	B1	Kanchan Marg	1172.94	1173	1173		1173	1173	1106	1106		
10	R21	Pratibha Marg	1320	1320	950		950	950	950	689.6		
11	В3	Keshaliya Marg	1574	1574	1574		1574	1574	1627.75	1627.75		

Table No:-4 PROPOSED and PHYSICAL PROGRESS of pavement works till September, 2018



12	S 13		1617	1617	1417	1417	1417	1417	1433.3	
13	R12	Kanchha Dai Marg	1192	1192	837	837	837	837		
14	Rani site	Rani	4023	4023	2315	2315	2315	1702	1096	
15	R16	Satya Marg	604	604	604	604	604	604	542.1	
16	R26	Pasang Marg	617	654	654	654	654	654	215	
17	R28	Pustakalaya Marg	635	635	635	635	635	635	339.2	
18	R27	Peepal Marg	810	810	580	580	580	580	300	
19	R25	Devi Marg	599	580	580	580	580	580	561.7	
20	R24	Prabhat Marg	384.41	380	380	380	380	380	364.95	
21	R37	Banglamukhi Marg	420	477	477	477	477	477	200.7	
22	R7	Manakamana Marg	814	814	242	242	242	242		
23	R30	Shanti Marg	212	212	123.1	123.1		123.1	123.1	
24	R9	Fadindra Marg	123	123	119	119		119	119	
25	S11	Samrat Marg	660	660	660	660	660	504.6	504.6	
26	R22	Amar Marga	373.1	367.65	367.65	367.65	367.65	367.65	367.65	
27	R29	Shanti Marg	620	620	299	299	299	299	299	
28	R36	Gaurav Marg	218	218	220	220				
29	R33	Tarun Marg	285	285	171.5	171.5				
30	R64	Satya Narayan Marg	121	121	121	121	121			
31	R8			225	225	225	225			
32	N36			190	190	190	190			
33	R188	Shakti Marg	-	120	120	120	120			
34	R2	Main Road	-	300	300	300	300			
35	T3 Line 6A	PanditMrghnath Marg	-	220	220	220	220			
36	T2 Line 24C	Nava Jyoti Marg	-	205	205	205	205			
37	T2 Line 24D	Nava Jyoti Marg	-	210	210	210	210			
38	R63 (DSP Road)	DSP Road	420	420	420	420	420			
39	R90	Shakti Marg	450	380	380	380	380			
40	R77	Arniko Marg	80	80	80	80	80			
41	R76	Mitra Marg	270	270	270	270	270			
42	R183	Nava Jyoti Marg	240	240	240	240	240			
43	T1 L16B	Xenial Front	210	210	210	210	210			
44	T1 L16A	Xenial South	140	140	140	140	140			



45	R114	Dharanidhar Marg	560	560	560		560	560	560	560		
46	R113	Kavi Lekh Marg	740	740	740		740	740	740	740		
47	R5a		370	370	370		370	560				
48	Rani site B		600	520	520		520	740				
	Total				24377	0	24377	24153.7	18398.1	14167.5	210	

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

	Road Name of Category Length in m			tpath											
S N	Numbe	Name of Road	Туре*					Progress		Progress					Rem arks
	r				<3m	>3m	Original	Revised	Previous	This Month	Cumulative	m	M ³		
1	B2	Gauri Shankar Marg	Preca st block			2777.83	2777.83	900	0	900	900				

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	24,377.25	-	24,377.25	33.00%
2	Sub Base	m	73,860.00	24,153.65	-	24,153.65	32.70%
3	Base	m	73,860.00	18,398.10	-	18,398.10	24.91%
4	Prime	m	73,860.00	14,167.45	-	14,167.45	19.18%
5	Asphalt	m	73,860.00	14,167.45	-	14,167.45	19.18%



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 September,
2018.

					Length in n	n		Work Co	mpleted	
SN	Road	Name of			Pro	gress	al	Brick	RCC	Remarks
	Number	Road	Original	Revised	Previous	This Month	Total	m	m	
1	B1	Kanchan Marg	0	0	90	0	90	90		
2	R29	Shanti Marg	270	256.52	256.52	0	256.52	256.52		
3	N36		0	190	186	0	186	186		
4	R8		370	370	230	0	230	230		
5	R7	Devi Marg and Pipal Marg	155	155	89.575	0	89.575	89.575		
6	R63	DSP Road	418.79	418.79	198.8	0	198.8	198.8		
7	R9	Baglamukhi path	120	103.2	103.2	0	103.2	103.2		
8	S13	Udaya Marga	0	158.1	158.1	0	158.1	158.1		
9	N33		0	70	70	0	70	70		
10	R28	Pustakalaya Marg	340	278	278	0	278	278		one side
11	R90	Shakti Marg	320	475	475	0	475	475		135m one side only
12	R114	Dharanidhar Marg	0	312.33	312.33	0	312.33	312.33		
13	R11	Om Shiv Marg	0	200	190	10	200	200		
14	R18		0	382.5	382.5	0	382.5	382.5		
15	R17		0	360.85	360.85	0	360.85	360.85		
16	R113	Kavi Lekhnath Marg	0	312.45	312.45	0	312.45	312.45		one side
17	R77	Arniko Marg	97	80.5	80.5	0	80.5	80.5		
18	R76	Mitra Marg	272	275	274	0	274	274		
19	N9	Devi Marga	0	222.7	222.7	0	222.7	222.7		
20	N4		0	170	147	0	147	147		
21	R33	Tarun Marg	0	265	217	47.48	264.48	264.48		
22	R36	Gaurav Marg	218	216.4	216.4		216.4	216.4		
23	R86	Janpath Marg	215	215	184	3	187	187		
24	R183	Nava Jyoti Marg	242	211	211		211	211		
25	R7a		77.81	68.55	68.55		68.55	68.55		
26	Rani site	Rani B	0	650	530		530	530		
27	Rani site	Rani A	0	300	270	0	270	270		
28	N3		0	120	95	15	110	110		



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29	N5		0	40	40		40	40		
30	R21	Binayak Marga	0	390	390	0	390	390		
31	R2	Main Road	2060	2060	592.5	0	592.5	592.5		
32	T1L16B	Xenial Front	0	210	205.68	0	205.68	205.68		
33	T1L16A	Xenial South	0	160	160	0	160	160		
34	R75	Tintoliya Marga	135	135	255	0	255	255		
35	R122	Amar Marga	0	251	251	0	251	251		
36	R18 Branch		0	30	30	0	30	30		
37	R7(b)(Neuro to sidhartha chowk)	Siddhartha Marga	317	317	55	93.5	148.5	148.5		
38	R12	Sukra Path	0	953	120	180	300	300		
39	R42	Jahada Marga	0	150	150	21	171	171		
40	R6	Shahi Marg	460	430	430		430		430	
41	R21(a)	DharamBadh Junction	0	160	160		160	160		one side
42	R78	Binayak Marga	92	70	70		70	70		one side
43	R188	Shakti Marg		120	120		120	120		one side
44	R40	Brahma Kumari Marga	0	350	300		300	300		
45	Rani Site C		0	100	97.5		97.5	97.5		
46	Ranit Site D		0	131.45	131.45		131.45	131.45		
47	T3L21	Moti Marga	380	380	335	26	361	361		
48	T3L39	Gaheli Marga	0	278	260	10	270	270		
49	T3 Line 39A		0	90	0	90	90	90		
50	T3 L39B		0	50	0	50	50	50		
51	T2L27	Bhumi Prashasan Junction	92	80	60	20	80	80		
52	T4 Line 1	Sailesh Marg	0	197	100	0	100	100		
53	N2			100	40	55	95	95		
54	T2 Line 26E	College Road	80	80	75	5	80	80		
55	T2 Line 18C	Maisthan Marga	0	105	100	2	102	102		one side
56	T2Line 18A	Makalu Marga	90	90	60	0	60	60		
57	R6 (T3L11i)		0	275	0	58	58	58		
58	R9(T3L11k)	Tathasthu Marga	0	200	0	115	115	115		
59	R45 (T3 Line 10D)	Dadhiram Marga	302	302	0	140	140	140		
60	R9 T2 L19	Fanindra Marga	0	225	0	40	40	40		
61	R7 (Neuro to Shanti Chowk	Siddhartha Marga	240	605	0	172	172	172		
62	R84	School Marga	673	391	0	170	170	170		
63	R85	Lekhanath Marga	162	162	0	145	145	145		



64	R87	Byas Marga	160	160	0	80	80	80		
65	Rani B (Bus park)		0	120	0	68	68	68		
66	R8(a)	Madhumara Marg	218	218	0	141	141	141		
	Total				10797.61	1756.98	12554.59	12124.59	430.00	

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.

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

Various works defined under this item are related to provision a maintenance camps for work person and employees, Contractor's site office, stores equipment yards and workshops. The camps must be adequate rain roof, Spacious, airy, and hygienic with proper lighting and material storage facilities. The area shall be kept neat and clean etc.

Labour camps are provided at per the requirement at various locations. Visit to the Monitoring of the labour camp is done frequently and found to be satisfactory. The details of labour capm is provided at the Annex.

Provision and maintenance of Toilets.

Provision of toilets for labour 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 of pit type latrines. Sufficient water must be provided and maintained in the toilets.

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



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 shall be filled to be the crusher to control emission of dust from the plant etc.

Hot mix 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.

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 environmental improvement project and mainly constitutes works on 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,2054 BS, 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 on IEE was submitted and MoUD had approved the IEE on May14, 2013.

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 regularly and a standard site specific environmental monitoring checklist was used to record the present status of the project and verified whether or not the EMP is compiled. 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 labours 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:

Total Four minor grievances have been registered in the GRC desk during May, 2018. The GRC committee has been addressed immediately registered Grievances and concerns raised by the concerned Stakeholders including Project beneficiaries.

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 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.

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 dated 19 September, 2018 and 20 September, 2018 following issues were discovered.

i. The use of Personal Protection Equipment (PPE) were in very few usage thus the issue was considered unsatisfactory.

ii. Proper Barricade was not done as well as caution signs and signals were not sufficiently used in Drainage and Sewer work Locations.

- iii. Tiolet at labour camp is found unhygienic.Dustbin not provided.
- iv. Water quality test has not been done at labour camp
- v. Information Board is lacking at yard

Considering above mentioned issues, the Contractor was instructed to use PPE, Barricades and proper signs and signals at working site, hygienic toilet, water test, dustbin. The implementation of Social and Environmental Safegurard measures during this month was found partially satisfactory.

Status of Relocation of Services

Relocation of Electric poles was done at R90, Rani and B1 Road. Similarly, relocation of water supply pipe lines were done at various locations at R6, R2, T3 Line 39, T3 Line 21, N2, R84 etc



Status of Labour at Site

	LABOUR COMPOSITIO			OSITION	ETHNIC COMPOSITION				
LABOUR CLASS	SKILLED	UNSKILLED	MALE	FEMALE	JANJATI	DALIT	MUSLIM	MADHESI	BRAHMIN CHHETRI
LOCAL	30	91	106	10	22	9	0	82	0
NON									
LOCAL	53	114	155	4	91	21	0	47	0
INDIAN	13	43	69	0	55	5	0	12	0
TOTAL	96	248	330	14	168	35	0	141	

3.7 FINANCIAL PLAN

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

3.7.1 DISBURSEMENT RECORDS IN CONSTRUCTION

Table:-5 DISBURSEMENT RECORDS in CONSTRUCTION	
-----------------------------------------------	--

S.No	Description	Submission date	Submitted Amount(NRs)	Remarks
1	IPC 01	15 th October 2017	339,105,000.00	Mobilization Advance
2	IPC02	2 nd April 2018	281,807,143.94	
3	IPC 03	1 st July 2018	350,151,414.42	
4	IPC 04	1 st October 2018	117,710,095.72	

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:

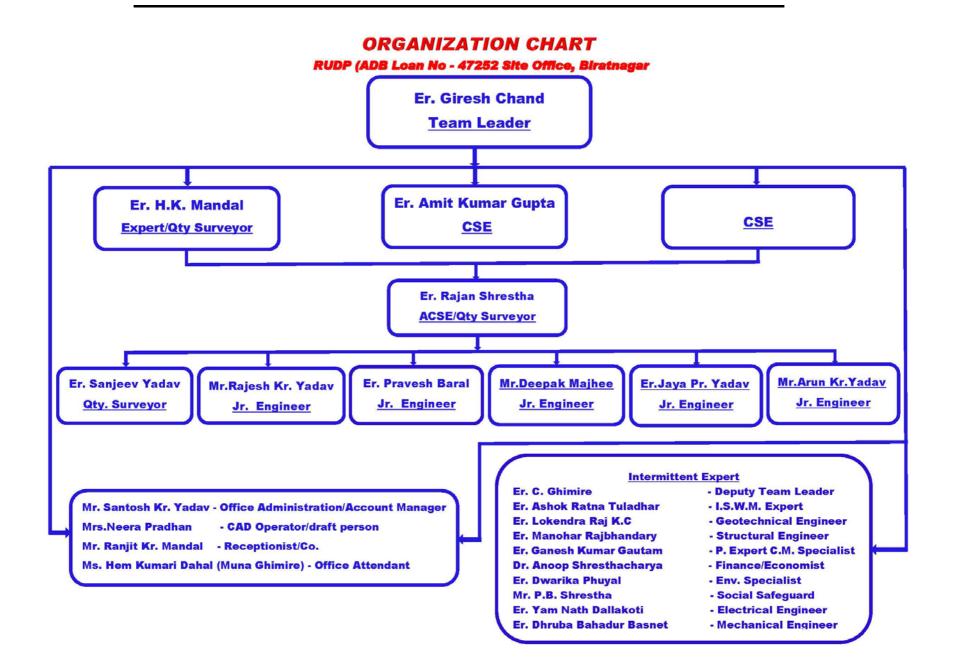
- Detailed Design and Procurement Assistance Phase for integrated solid waste management design (ISWM)
- Monthly progress report and quarterly progress report.
- Semi- annual Environmental monitoring report.
- Semi-annual Safeguard monitoring report.
- Annual progress report including annual Environmental / 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	Ganesh Kumar Gautam	P.Expert C.M. Specialist	17 th Sep-2018	Intermittent
6	Hare Krishna Mandal	Expert/Quantity surveyor	1 st Nov 2017	
7	J.P Yadav	Construction Supervision Engineer	1 st March 2018	Discontinued the service since 25 th April, 2018.
8	A.K Gupta	Construction Supervision Engineer	1 st March 2018	
9	Nishant K.C.	Construction Supervision Engineer	2 nd April 2018	Discontinued the service since 1 st September, 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	1 st March 2018	
18	Deepak Majhi	Junior Engineer-4	1 st March 2018	
19	Arun Kumar Yadav	Junior Engineer-5	16 th March 2018	
20	Neera Pradhan	CAD operator/Draft Person	10 th Dec 2017	



SN	Name	Designation	Joining date	Remarks
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.

As per Clause 1.8.2 Engineer has given early notice to the contractor for identification and sample of all construction material before starting any kind of works. Contractor has identified and submitted their requisition for sampling of materials. Sampling works of all construction materials have completed. Team leader has recommended their letter for required tests for authorized organizations. Some test reports have been submitted by the Contractor which has been tested from outside of authorized organization. Engineer has emphasized 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.

TL discussed during monthly progress meeting and given guidance for making certain modification and review on submitted work program and QAP. Contractor agreed for review/modification and resubmission on work program / QAP.The contractor has already submitted the work program and QAP as instructed

	Target This Month		Achievement This Month		Leading		Lagging		
Month	Mont hly	Accumulat ed	Monthl y	Accumulat ed	Monthl y	Accumulat ed	Monthl y	Accumulat ed	Remar ks
	0.15								
July-18	%	25.17%	0.78%	25.18%	0.63%	0.01%			Leading
	0.15								
August-18	%	25.32%	2.32%	27.50%	2.17%	2.18%			Leading
September-	5.71								
18	%	31.03%	1.22%	28.72%				-2.31%	Lagging

5.2 Progress Achieved Till date

5.3 Key Events

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

S. No.	Date	Activities/Events	Remarks
	Weather Reports		
1	Wednesday,	Activities Disturbed due to Rainfall	
1	September 1, 2018	Activities Disturbed due to Rainfah	
2	Thursday, September	Activities Disturbed due to Rainfall	
2	30, 2018	Activities Disturbed due to Kaliliali	
	Strike		

Table 8: KEY DATES of EVENTS / ACTIVITIES



S. No.	Date	Activities/Events	Remarks
3	Monday, September 30, 2018	Bandha called by Netra Bikram Chand,Biplap	
	Site visits		
4	September 14,2018	Project Director (PD) Visited to the site.	
5		Due to Socio Environment Problem, the consultant is not able to process for design of Integrated Solid Waste Management (ISWM).	



6 DETAILS OF PRE CAST ACTIVITIES.

	Physical Progress till September 2018							
			Pro	ogress				
S.N.	Description	Unit	BoQ	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks	
1	Precast Slab	No		31,606.00	1,500.00	33,106.00	Under progress	
2	Kerb Stone	Rm	147,729.68	59,285.00	2,000.00	61,285.00	41.48%	

Table 9: PHYSICAL PROGRESS in PRODUCTION OF PRECAST ITEMS till, September, 2018

Table 10: PHYSICAL PROGRESS in PRODUCTION OF RCC Hume Pipe at Itahari till,September, 2018

	Physical Progress till September- 2018							
				Progress				
S.N.	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks	
1	RCC Pipe	300	336.00	336.00	-	336.00		
2	RCC Pipe	450	681.00	681.00	-	681.00		
3	RCC Pipe	500	842.00	842.00	-	842.00		
4	RCC Pipe	600	382.00	382.00	_	382.00		
	Total							



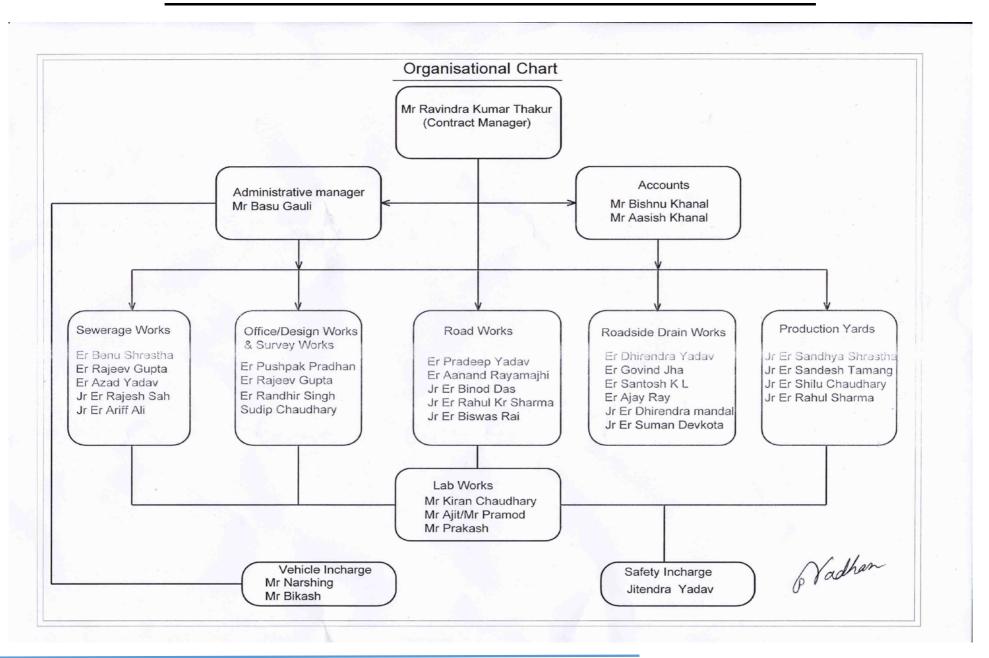
	Physical Progress till September- 2018							
				Progress				
S.N.	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks	
1	HDPE Pipe	110.00	1,987.20	1,987.20	-	1,987.20		
2	HDPE Pipe	200.00	16,656.00	10,500.00	-	10,500.00	Under process	
3	HDPE Pipe	250.00	115.00	450.00	-	450.00		
	Total							

Table 11: PHYSICAL PROGRESS in PRODUCTION OF HDPE Pipe till, September, 2018

Table 12: PHYSICAL PROGRESS in PRODUCTION OF UPVC Pipe till, September, 2018

	Physical Progress till September- 2018							
			Pro		ress			
S.N.	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM)	This Month (Rm.)	Total to Date (RM.)	Remarks	
1	UPVC Pipe	160.00	5,050.00	4,500.00	-	4,500.00		
2	UPVC Pipe	200.00	5,050.00	4000.00	-	4,000.00		







7 CONTRACTOR'S MANPOWER

Table 13: CONTRACTOR'S KEY STAFFS in September, 2018

S.No	Position	Minimum Number Required as per Contract	ZHONGHENG CONSTRUCTION Group	Remarks
1	Project/Contract Manager (1 No) 15/10 Yrs (Total/Similar Exp.)	1	1	
2	Civil Engineer-10/6	2	2	
3	Sanitary Engineer- (1no.)-12/8	1	-	
4	Road Engineer- (1no.)-12/8	1	1	
5	Electromechanical Engineer-(1no)-10/5	1	-	
6	Safety Engineer	-	1	
7	Site Engineer	-	8	
8	Sub- Engineer	-	18	
9	Accountant	-	2	
10	Lab Technician	-	1	
11	Store Keeper	-	2	
12	Vehicle Incharge	-	2	
13	Skilled Labors		96	
14	Unskilled Labors		248	



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	1	Backhoe loader-6nos.
2	Crane (10 ton capacity)	3	-	
3	Asphalt plant of adequate capacity	1	1	
4	Asphalt pavers	1	1	
5	Vibrating roller	2	1	
6	Pneumatic tyre roller 8 to 10 ton	2	1	
7	Smooth wheeled roller 8 to 10 ton	1	3	
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	4	
12	Chips spreader	1	-	
13	Bitumen decanter minimum 4000 Litres. (preheating container)	2	1	
14	Air compressor	2	2	
15	Tipping Trucks	15	5	
16	Service vehicle	2	5	
17	Survey equipment (Total station with accessories)	1	1	
18	Thedolite	2	-	
19	Levelling	5	14	
20	Mobile Generator 15-20 Kva	3	7	
21	Mixer Machine	6	7	
22	Concrete Batching Plant	1	-	



S.No	Equipment Type and Characteristics	Min Number required as per Contract	ZHONGHENG CONSTRUCTION Group	Remarks
23	Concrete pump	1	-	
24	Drain cleaner/ Nala cleaner	2	-	
25	Broomer	-	1	
26	Motor Bike	-	10	
27	Plate Compactor	-	4	
28	Water Pump	-	6	

WORK PLAN FOR THE NEXT MONTH

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

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



ANNEX-1: PHOTOGRAPHS OF SEPTEMBER, 2018





Sewer inlet work at R85



Sewer inlet works at R87





Sewer inlet works at R12



Sewer inlet works at R63





Drain at R45



Drain work at R87





Drain crossing at Rani



Drain works at R33





Outlet from gutter at R21



Joint testing of at Laboratory





Kerb stone works at R6



Relocation of water supply pipes





Road safety measures adopted at different roads





Manhole and Slab productions at yard





Safety Engineer providing first aid treatement to injured labour



PD Visited the site with PM & TL



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ANNEX-2: MINUTES OF MEETING SEPTEMBER, 2018



age



Discussion and Decisions:

S. No.	Agenda	Discussion and Decisions
1	SD meeting	The 7 th . Meeting of SD, RUDP, Biratnagar held in RUDP/PIU office. There is no major complain has been registered in the desk.
2	Satisfactorily progress on installing drain cover for Public safety	Road Side drains and storm drain found covered with RCC slab cover. During 6 th meeting drain were partly covered and drain were left open in few sections. The Contractor instructed to cover the newly constructed drains immediately after cleaning the drain properly and keep public notice board of caution for the public safety.
3	Progress envisaged in labor camps as safeguard measures.	 Discussed on labor facilities in labor camp following facilities are found during labor camp site visit: i) Sufficient available of drinking water service. ii) Toilet facilities and sanitation condition of the toilet getting poor than previous monitoring visit. Therefore contractor instructed to provide proper toilet facilities with provision

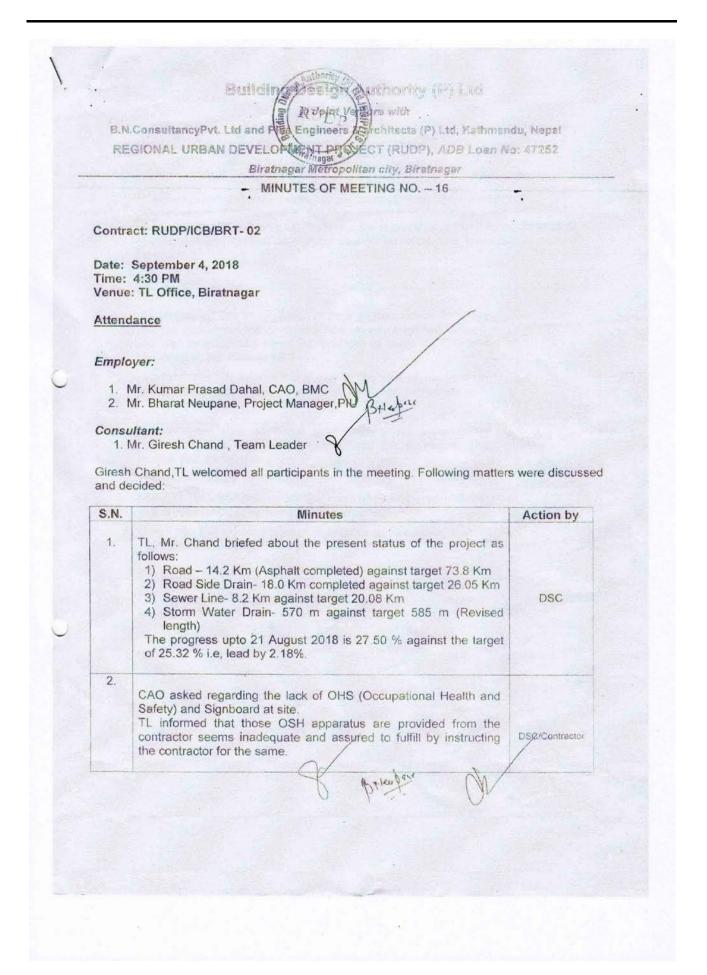
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		•
4	Partly Satisfactorily progress envisaged of implementation of safeguard measures including barricades and sign boards.	 of sufficient water and soap for hand washing and provide separate toilet for gents and ladies. iii) Keep first-aid kit box for primary treatment in emergency case. iv) No fire wood used. v) Yet tube well water quality was not tested prior to use Contractor therefore instructed to perform water quality test of wells prior to use. vi) Contractor instructed to provide separate dust bins to collect organic and inorganic wastes in camps. i) Discussed over the dust emission during construction dust was emitting in sites during dry and sunny day and sprinkling of water over dust prone area was not sufficient contractor therefore instructed to increase the frequency of water sprinkling. ii) Discussed over the Use of personnel Protective Equipments like, helmet, boots, glove, and jackets by labors was found partly compliance. The contractor instructed for full compliance. iii) Contractors has found aware on child right, and instruct strictly no use of child labor. iv) Contractor has provided the site and personnel safety tools, barricades and traffic signs but are not sufficient therefore contractor instructed to provide sufficient barricades, caution tape, caution boards, traffic signs in the
5	Encourage of Female employment.	 construction sites. i) Contractor instructed to encourage employing as labor and skilled man power to local female. ii) Contractor instructed to manage separate camp and necessary facilities for female workers to encourage o employment.
6	Discussion on Semi annual resettlement Plan report July, 2018	 iii) Priority should be given to employ local labours. The matter of compensation to public infrastructures (Temples, Schools and college boundary) was discussed to arrange the budget for compensation.
7	Others	Decided to conduct a meeting immediately with contractor to discuss the issue of non-compliance of social and environmental safeguard.

Att of







3.	CAO enquired about the public various complains and grievances. TL informed that most the genuine complains/grievances have been addressed instantly by PIU/DSC. He regret to say that 100% public demand cannot be fulfilled due to technical and financial problem.	Employer/DSC
4.	TL requested Employer (BMC) to clear all the unclear RoW. He further added that the contractor has already informed formally as well as informally about his intention of claim for EoT and financial as per clause 20.1	Employer
	Furthermore, TL informed that due to the lack of cooperation for shutdown from NEA, the progress had been hampered.	
5	TL informed that additional side drain works were under construction as per the instruction from the Employer. The status was as follows:	
	Additional Length completed as per instruction: 11.05 Km Also TL informed that as per the employer's instruction/advice, extra road work(pavement) being carried out.	Employer/DSC
	CAO and PM advised to start to prepare all necessary documents for Variation Order.	
6	TL informed that all the replaced materials and goods left during relocation of electric poles had been taken by Electricity Authority Board.	Employer/EAB
	& Briendere	/
	0V	



MINUTES OF MEETING: 17

<u>Contract</u>: Secondary Town Integrated Urban Environment Improvement Project, (STIUEIP) & Regional Urban Development Project (RUDP), at Biratnagar Date: 12 September 2018 Time: 03:00 PM Venue: PIU Office, Biratnagar

Attendance

Emp	ployer:	
1	Mr. Bhim Parajuli	Mayor, BMC
2	Kumar Prasad Dahal	Chief Administrative Officer (CAO), BMC
3	Dr Suman Karna	Municipal Advisor, BMC
4	Mr. Bharat Kumar Nuepane	Project Manager (PM), PIU
5	Mr. Prakash Narayan Chaudhary	Project Engineer (PE), PIU
Con	tractor:	
1	Mr. Ravindra Kumar Thakur	CM, Zhongheng Construction Group International Engineering Co. Ltd.
2	Mr. Benu Shrestha	Engineer, Zhongheng Construction Group International Engineering Co. Ltd.
3	Mr. Bishesh Prasai	M/S CTCE-Kalika J/V
Con	sultant:	
1	Mr. Giresh Chand	Team Leader (TL), DSC
2	Mr. Amit Kumar Gupta	CSE, DSC North
3	Mr. Hare Krishna Mandal	SQS, DSC Word A

The meeting was chaired by Mayor, Bhim Parajuli and he welcomed all the participants in the meeting. Following matters were discussed and decided:

production of precast items as well as the road maintenance works are in progress, if weather favour then the Contractor aiming to start	
the remaining sewer line work too. The progresses are as mentioned below: STIUEIP: Physical progress: 98.07% (till June 2018) Financial progress: 94.82% RUDP:	The employer & consultant



3. NO.	Minutes	Action by
	Physical progress: 27.50% (till Aug 2018) Financial progress: 22.84%	
2	Mayor, Mr Parajuli expressed unnsatisfaction with the progress concerning road maintenance works as the grievances are coming frequently to do the maintenance of road pot-holes and troubles associated with it in daily life of local stakeholders. TL, Mr. Chand informed that as instructed by the employer at various lanes like Madhumara Marg, nearby Red cross, east of NTC office, Amar tole, nearby Church, Sani Mandir, Milan Chowk and Bindabasini Marg, etc., more than 33 (thirty-three) trips of gravel has been laid by the Contractor.	
	In addition to that as discussed/ decided in previous meeting and request from ward office representative's, at various stretches lots of trips were laid for road maintenance work like in DSP road, R2 (nearby Bhumi Parshasan & Roadcess Chowk), Golchha Road, Siddhartha Marg (nearby Nuero & Hanuman temple), R42 (Jahada Marga), at various places in Jatuwa Marga, T2 Line20 (branch of Jatuwa Marga near Yadav chowk), Fanindra Marg, Janani Marg, T2L18L (in front of Arniko school), R6 (Abad Narayan Marg) and R27 (nearby Ward office - 10), etc; and informed to PM, Mr. Nuepane & ward office representative's respectively.	The employer & consultant & contractor
	TL, Mr. Chand also mentioned that as R3 Lane (Dharma Bandh road) is concerned the road maintenance work had done more than four time and still there are pot-holes which certainly trouble to users which happened due to delay in shut down and electricity utilities shifting and it tends to delay in handover to RUDP (as instructed by employer). He also assured that once shut down from concerned authorities are arranged by the employer concurrently the road maintenance and Kerb stone fixation will be started.	
3	Mayor, Mr Parajuli said to proceed the road maintenance of some more stretches like Sri Laxmi Marga (R19), Shahi Marg (south to Pratibha chowk), Tarun marg and Doorshansar Marg, etc. & instructed to report in next scheduled meeting. TL, Mr. Chand admitted to proceed the above works as soon as possible in co-ordination of PM, Nuepane.	The employer 8 consultant & contractor
4	The employer said to start the work in R3 Lane (Dharma Bandh road) and try to complete the black topped work before Dashain festival. TL, Mr. Chand replied that the works are delaying due to delay in shut down, once the concerned authorities provide the shutdown as mentioned earlier the Contractor will start the remaining work soon and give best effort to complete on time. Mayor, Mr Parajuli assured us to resolve and facilitate the shutdown problem soon.	The employer 8 consultant & contractor



3. NO.	Minutes	Action by
5	TL, Mr. Chand raised the following issues which may affect the project with respect to time and cost such as clearance of Right of way (ROW), cash flow on time and shutdown for electricity utilities, etc. Addition to above TL, Mr. Chand emphasised that sewer line at R3 (North to Devkota chowk, Sani hat Marg) is going to start after rainy season thus before that required to clear the site and other utilities by the employer. Mayor, Mr Parajuli /The employer assured us to shut out the above issues very soon.	The employer
6	TL, Mr. Chand informed that the consultant is not able to proceed the work of ISWM project (site near Dangra Khola) as per Term of references (TOR) due to Socio-Environmental safeguard issues, etc. Mayor, Mr Parajuli /The employer assured us to shut out the above issues very soon.	The employer
7	Municipal advisor, Mr. Suman Karna advised to use more safety sign board at site to avoid any accident & to overcome from any tiresome during travelling. Also advised to remove the surplus materials from the site after completion of work. CM, Mr. Thakur admitted to fulfil the above requirement onward.	The employer & consultant & contractor
8	TL, Mr. Chand informed that about 9 Km in length of additional road side drains under construction as instructed by the employer which formally as well as informally informed. Mayor, Mr Parajuli /The employer added to continue the additional side drain and advice to prepare variation order (VO) to proceed further and to get approval from concerned authorities.	The employer & consultant



ANNEX-3: LABORATORY TEST RESULTS OF SEPTEMBER, 2018

Attached



			Sum	Contra	nagar Metrop act No:- RUDP neet of Concret	ICB/BRT-	02				
								Septe	mber		
							Month Year			2018	
							Type of Material			Conc	Cube
s.N.	Location	Lab Ref.no.	Type of Cement	Brand of	Source of Sand+Agg.	Date of Casting	Date of	Testing	Strength	, N/mm2	Concret Grade
				Cement	ound ress.	Custing	7 Days	28 Days	7 Days	28 Days	Grude
1	R-6	RUDP-633	Salimar	OPC	Chisang Khola	4-Aug-18	11-Aug-18	1-Sep-18		17.88	M15
2	R-6	RUDP-634	Salimar	OPC	Chisang Khola	4-Aug-18	11-Aug-18	1-Sep-18		22.05	M20
3	DDC Yard	RUDP-635	Salimar	OPC	Chisang Khola	4-Aug-18	11-Aug-18	1-Sep-18		32.74	M30
4	DDC Yard	RUDP-636	Salimar	OPC	Chisang Khola	5-Aug-18	12-Aug-18	2-Sep-18		22:88	M20
5	R-2	RUDP-637	Salimar	OPC	Chisang Khola	5-Aug-18	12-Aug-18	2-Sep-18		21.60	M20
6	R-6	RUDP-638	Salimar	OPC	Chisang Khola	5-Aug-18	12-Aug-18	2-Sep-18		17.81	M15
7	Madhumara Yard	RUDP-639	Salimar	OPC	Chisang Khola	5-Aug-18	12-Aug-18	2-Sep-18		32.29	M30
8	N=4	RUDP-640	Salimar	OPC	Chisang Khola	5-Aug-18	12-Aug-18	2-Sep-18		23.18	M20
9	R-6	RUDP-641	Salimar	OPC	Chisang Khola	6-Aug-18	13-Aug-18	3-Sep-18		16.71	M15
10	DDC-Yard	RUDP-642	Salimar	OPC	Chisang Khola	6-Aug-18	13-Aug-18	3-Sep-18		22.65	M20
11	Madhumara Yard	RUDP-643	Salimar	OPC	Chisang Khola	6-Aug-18	13-Aug-18	3-Sep-18	1	33.11	M30
12	Madhumara Yard	RUDP-644	Salimar	OPC	Chisang Khola	6-Aug-18	13-Aug-18	3-Sep-18		32.96	M30
13	DDC-Yard	RUDP-645	Salimar	OPC	Chisang Khola	7-Aug-18	14-Aug-18	4-Sep-18		31.91	M30
14	DDC-Yard	RUDP-646	Salimar	OPC	Chisang Khola	7-Aug-18	14-Aug-18	4-Sep-18		22.28	M20
15	R-6	RUDP-647	Salimar	OPC	Chisang Khola	7-Aug-18	14-Aug-18	4-Sep-18		16.63	M15
16	R-74	RUDP-648	Salimar	OPC	Chisang Khola	7-Aug-18	14-Aug-18	4-Sep-18		22.20	M20
17	R-6	RUDP-649	Salimar	OPC	Chisang Khola	8-Aug-18	15-Aug-18	5-Sep-18		17.01	M15
18	T2L26E	RUDP-650	Salimar	OPC	Chisang Khola	8-Aug-18	15-Aug-18	5-Sep-18		21.83	M20
15 1	T3L23	RUDP-651	Salimar	OPC	Chisang Khola	8-Aug-18	15-Aug-18	5-Sep-18		22.73	M20
20 1	Madhumara Yard	RUDP-652	Salimar	OPC	Chisang Khola	8-Aug-18	15-Aug-18	5-Sep-18		33.19	M30
21	Madhumara Yard	RUDP-653	Salimar	OPC	Chisang Khola	8-Aug-18	15-Aug-18	5-Sep-18		32.59	M30
22	T2L26E	RUDP-654	Salimar	OPC	Chisang Khola	9-Aug-18	16-Aug-18	6-Sep-18		21.75	M20
23	R-74	RUDP-655	Salimar	OPC	Chisang Khola	9-Aug-18	16-Aug-18	6-Sep-18		22.05	M20
24	R-0	RUDP-656	Salimar	OPC	Chisang Khola	9-Aug-18	16-Aug-18	6-Sep-18		16.63	M15
25	DDC-Yard	RUDP-657	Salimar	OPC	Chisang Khola	9-Aug-18	16-Aug-18	6-Sep-18		23.26	M20
26	DDC-Yard	RUDP-658	Salimar	OPC	Chisang Khola	9-Aug-18	16-Aug-18	6-Sep-18		32.46	M30
27	R-2(Branch Road)	RUDP-659	Salimar	OPC	Chisang Khola	9-Aug-18	16-Aug-18	6-Sep-18		22.50	M20
28	Madhumara Yard	RUDP-660	Salimar	OPC	Chisang Khola	10-Aug-18	17-Aug-18	7-Sep-18		34.02	M30
29	DDC-Yard	RUDP-661	Salimar	OPC	Chisang Khola	10-Aug-18	17-Aug-18	7-Sep-18		33.04	M30
30	R-6	RUDP-662	Salimar	OPC	Chisang Khola	10-Aug-18	17-Aug-18	7-Sep-18		18.89	M15
31	R-2	RUDP-663	Salimar	OPC	Chisang Khola		17-Aug-18	7-Sep-18		22.28	M20
32	R-6	RUDP-664	Salimar	OPC	Chisang Khola			8-Sep-18		16.19	M15
13	R-74	RUDP-665	Salimar	OPC	Chisang Khola			9-Sep-18		22.73	M20
34	12L18A	RUDP-666	Salimar	OPC	Chisang Khola			9-Sep-18		21.83	M20
35	DDC-Yard	RUDP-667	Salimar	OPC	Chisang Khola			10-Sep-18		23.41	M20
36	R-6	RUDP-668	Salimar	OPC	Chisang Khola		22-Aug-18	12-Sep-18		17.14	M15
	C	ontractor					Consu			V	inito.
	ZHONGHENG CO TERNATIONAL				WITH B.N. O	CONSULT	AUTHORIT ANCY PVT. S (P) LTD,	LTD AND	PLUS E	ENGINE	
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ngin			Submit		Verified By Qty Engineer/C					pproved eam Lead	



		REGIO	NAL	URBA	N DEVE	OPME	ENT PR	OJECT	2		
				Biratn	agar Metrop	olitan Cit	v	00101			
<u>4</u> .				Contra	ict No:- RUDP/	CR/RRT (3				
			Sum	mary Sh	eet of Concrete	CuheTest	Report				
						04001000	Report	15			
								Month	Sent	ember	
							Year			2018	
		1		-	1		Ty	pe of Material	-	Conc	. Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand+Agg,	Date of Casting		Testing	-	n, N/mm2	Concret Grade
27	(TOL 20)	DUDD ((A)					7 Days	28 Days	7 Days	28 Days	Grado
37 38	T3L39 R-6	RUDP-669	Salimar	OPC	Chisang Khola	15-Aug-18	22-Aug-18	12-Sep-18		22.05	M20
39	R-12	RUDP-670 RUDP-671	Salimar	OPC	Chisang Khola	15-Aug-18		12-Sep-18		16.71	M15
39	DDC-yard	and the second se	Salimar	OPC	Chisang Khola	15-Aug-18		12-Sep-18		24.16	M20
40	DDC-yard	RUDP-672 RUDP-673	Salimar	OPC OPC	Chisang Khola	15-Aug-18		12-Sep-18		21.00	M20
40	Madhumara Yard	RUDP-673	Salimar Salimar		Chisang Khola	15-Aug-18		12-Sep-18		32.51	M30
41	R-12	RUDP-674	Salimar	OPC OPC	Chisang Khola	15-Aug-18	22-Aug-18	12-Sep-18	_	33.49	M30
41-	R-6	RUDP-676	Salimar	OPC	Chisang Khola	15-Aug-18	0	12-Sep-18		22.43	M20
42	R-12	RUDP-677	Salimar	OPC	Chisang Khola	16-Aug-18		13-Sep-18		18.24	M15
42	R-2	RUDP-678	Salimar	OPC	Chisang Khola	16-Aug-18		13-Sep-18		21.90	M20
43 =	Madhumara Yard	RUDP-679	Salimar	OPC	Chisang Khola	16-Aug-18		13-Sep-18		21.67	M20
43	DDC-yard	RUDP-680	Salimar	OPC	Chisang Khola Chisang Khola	16-Aug-18		13-Sep-18		33.57	M30
44	R-6	RUDP-681	Salimar	OPC	Chisang Khola	16-Aug-18	23-Aug-18	13-Sep-18		32.96	M30
44	T3L21	RUDP-682	Salimar	OPC	Chisang Khola	17-Aug-18 17-Aug-18	24-Aug-18	14-Sep-18	-	17.58	M15
45	DDC-yard	RUDP-683	Salimar	OPC	Chisang Khola	17-Aug-18	24-Aug-18 24-Aug-18	14-Sep-18 14-Sep-18		22.28	M20
45	Madhumara-yard	RUDP-684	Salimar	OPC	Chisang Khola		25-Aug-18	14-Sep-18 15-Sep-18		23.10	M20
16	Madhumara-yard	RUDP-685	Salimar	OPC	Chisang Khola	18-Aug-18	25-Aug-18	15-Sep-18		32.74 33.49	M30
16	T3L39	RUDP-686	Salimar	OPC		and the second se	25-Aug-18	15-Sep-18		-	M30
17	R-74	RUDP-687	Salimar	OPC	Chisang Khola		25-Aug-18	15-Sep-18		21.67	M20 M20
17	R-12	RUDP-688	Salimar	OPC	17.1.2	and a second sec	25-Aug-18	15-Sep-18		21.90	M20
18	T3L18B	RUDP-689	Salimar	OPC	Chisang Khola	for a set of the second second	26-Aug-18	16-Sep-18		23.33	M20
18	R-74	RUDP-690	Salimar	OPC	the same state of the		26-Aug-18	16-Sep-18		22.35	M20
19	R-6	RUDP-691	Salimar	OPC	Chisang Khola	and the second se	26-Aug-18	16-Sep-18		17.23	M15
19	DDC-yard	RUDP-692	Salimar	OPC	Chisang Khola	19-Aug-18	26-Aug-18	16-Sep-18		24.69	M20
50	DDC-yard	RUDP-693	Salimar	OPC	Chisang Khola		26-Aug-18	16-Sep-18		32.28	M30
1	T3L26E Koshi-Yard	RUDP-694	Salimar	OPC	Chisang Khola		27-Aug-18	17-Sep-18		22.35	M20
1	and the second se	RUDP-695	Salimar	OPC	Chisang Khola		27-Aug-18	17-Sep-18		22.05	M20
2	R-12 R-74	RUDP-696 RUDP-697	Salimar	OPC	Chisang Khola		28-Aug-18	18-Sep-18		22.05	M20
2	R-74 R-2 (Branch Road)		Salimar	OPC	Chisang Khola	21-Aug-18	28-Aug-18	18-Sep-18		22.05	M20
3	T3L18A	RUDP-698	Salimar	OPC	Chisang Khola	21-Aug-18	28-Aug-18	18-Sep-18		22.35	M20
3	Madhumara-yard	RUDP-699 RUDP-700	Salimar Salimar	OPC	Chisang Khola	21-Aug-18	28-Aug-18	18-Sep-18		22.20	M20
4	DDC-yard	RUDP-700 RUDP-701	Salimar	OPC OPC	Chisang Khola	21-Aug-18	28-Aug-18	18-Sep-18		31.83	M30
4	Madhumara-yard	RUDP-702	Salimar	OPC	Chisang Khola	21-Aug-18	_28-Aug-18	18-Sep-18		32.81	M30
5	DDC-yard	RUDP-703	Salimar	OPC	Chisang Khola Chisang Khola	23-Aug-18	30-Aug-18	20-Sep-18		31.76	M30
5	Koshi-Yard	RUDP-704	Salimar					20-Sep-18		32.16	M20
6	DDC-yard	RUDP-705	Salimar			23-Aug-18 24-Aug-18		20-Sep-18		33.34	M20
7	Koshi-Yard	RUDP-706	Salimar			24-Aug-18 25-Aug-18	and the second se	21-Sep-18	16.04	32.36	M20
0		ntractor			- moung istivia .		i-Sep-18	22-Sep-18	16.04	22.43	M20
	1	5. # 210.00				C	n sultan	1			
1.7	HONGHENG CO	NSTRUCTIC	NGROU	P	BUILDING	DESIGN A	UTHORITY	(P) LTD I	N JOIN	T VENT	URE
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1							Month	September 2018			
		1	1	1	1		Ty	pe of Material		Conc	. 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	Concret Grade
58	T3L23	RUDP-707	Salimar	OPC			7 Days	28 Days	7 Days		
59	R-7	RUDP-708	Salimar	OPC	Chisang Khola	25-Aug-18	1-Sep-18	22-Sep-18	15.66	23.56	M20
60	R-84	RUDP-709	Salimar	OPC	Chisang Khola Chisang Khola	25-Aug-18	1-Sep-18	22-Sep-18	15.59	23.26	M20
61	R-6	RUDP-710	Salimar	OPC	Chisang Khola	25-Aug-18	1-Sep-18	22-Sep-18	16.11	22.28	M20
62	DDC-yard	RUDP-711	Salimar	OPC	Chisang Khola	26-Aug-18 26-Aug-18	2-Sep-18 2-Sep-18	23-Sep-18	12.05	16.78	M15
63	T3L39	RUDP-712	Salimar	OPC	Chisang Khola	26-Aug-18	2-Sep-18 2-Sep-18	23-Sep-18	16.26	21.60	M20
64	R-87	RUDP-713	Salimar	OPC	Chisang Khola	27-Aug-18	2-Sep-18 3-Sep-18	23-Sep-18 24-Sep-18	16.19	24.01	M20
65_	R-12	RUDP-714	Salimar	OPC	Chisang Khola	27-Aug-18	3-Sep-18 3-Sep-18	·24-Sep-18	16.56	21.98 22.43	M20
66	R-87	RUDP-715	Salimar	OPC	Chisang Khola	27-Aug-18	3-Sep-18	24-Sep-18	15.22	22.43	M20 M20
67	Koshi yard	RUDP-716	Salimar	OPC	Chisang Khola	28-Aug-18	4-Sep-18	25-Sep-18	16.78	22.95	M20
68	T3L39	RUDP-717	Salimar	OPC	Chisang Khola	28-Aug-18	4-Sep-18	25-Sep-18	16.63	22.50	M20
69	R-12	RUDP-718	Salimar	OPC	Chisang Khola	28-Aug-18	4-Sep-18	25-Sep-18	15.81	21.90	M20
70	R-2	RUDP-719	Salimar	OPC	Chisang Khola	28-Aug-18	4-Sep-18	25-Sep-18	15.74	23.56	M20
71	R-74	RUDP-720	Salimar	OPC	Chisang Khola	28-Aug-18	4-Sep-18	25-Sep-18	14.62	22.73	M20
72	R-45	RUDP-721	Salimar	OPC	Chisang Khola	29-Aug-18	5-Sep-18	26-Sep-18	16.56	22.58	M20
73	T3L18A	RUDP-722	Salimar	OPC	Chisang Khola	29-Aug-18	5-Sep-18	26-Sep-18	15.66	21.83	M20
74	R-6	RUDP-723	Salimar	OPC	Chisang Khola	29-Aug-18	5-Sep-18	26-Sep-18	14.69	21.83	M20
75	T3L11K	RUDP-724	Salimar	OPC	Chisang Khola	29-Aug-18	5-Sep-18	26-Sep-18	16.04	24.01	M20
76	Koshi yard	RUDP-725	Salimar	OPC	Chisang Khola	29-Aug-18	5-Sep-18	26-Sep-18	14.62	21.98	M20
78	T3L18B	RUDP-726	Salimar	OPC	Chisang Khola	30-Aug-18	6-Sep-18	27-Sep-18	15.52	23.56	M20
79	T3L39 Madhumara Yard	RUDP-727	Salimar	OPC	Chisang Khola	30-Aug-18	6-Sep-18	27-Sep-18	16.26	22.05	M20
80	R-87	RUDP-728 RUDP-729	Salimar Salimar	OPC	Chisang Khola	30-Aug-18	6-Sep-18	27-Sep-18	23.86	33.57	M30
81	R-85	RUDP-729	Salimar	OPC OPC	Chisang Khola	30-Aug-18	6-Sep-18	27-Sep-18	15.66	23.18	M20
82	R-12	RUDP-731	Salimar	OPC	Chisang Khola Chisang Khola	30-Aug-18	6-Sep-18	27-Sep-18	15.22	22.95	M20
83	R-84	RUDP-732	Salimar	OPC	the second se	30-Aug-18	6-Sep-18	27-Sep-18	14.77	23.03	M20
84	R-83	RUDP-733	Salimar	OPC	Chisang Khola	30-Aug-18 30-Aug-18	6-Sep-18	27-Sep-18	14.92	21.75	M20
85	DDC-yard	RUDP-734	Salimar	OPC	and the second se	30-Aug-18	6-Sep-18 6-Sep-18	27-Sep-18	15.52	23.10	M20
86	Madhumara Yard	RUDP-735	Salimar	OPC	Chisang Khola	1-Sep-18	8-Sep-18	27-Sep-18 29-Sep-18	16.48	22.65	M20
87	R-2	RUDP-736	Salimar	OPC	Chisang Khola	1-Sep-18	8-Sep-18	29-Sep-18	15.22	26.75	M25
88	Madhumara Yard	RUDP-737	Salimar	OPC	Chisang Khola	1-Sep-18	8-Sep-18	29-Sep-18	23.12	32.74	M20 M30
89	R-74	RUDP-738	Salimar	OPC	Chisang Khola	1-Sep-18	8-Sep-18	29-Sep-18	15.89	21.98	M20
90	R-45	RUDP-739	Salimar	OPC	Chisang Khola	1-Sep-18	8-Sep-18	29-Sep-18	14.55	21.98	M20
91	T3L18A	RUDP-740	Salimar	OPC	Chisang Khola	1-Sep-18	8-Sep-18	29-Sep-18	15.37	22.35	M20
92	R-6	RUDP-741	Salimar	OPC	Chisang Khola	2-Sep-18	9-Sep-18	30-Sep-18	15.81	23.03	M20
93	T3L11K	RUDP-742	Salimar	OPC	Chisang Khola	2-Sep-18	9-Sep-18	30-Sep-18	14.17	23.78	M20
04	Koshi yard	RUDP-743	Salimar	OPC	Chisang Khola	2-Sep-18	9-Sep-18	30-Sep-18	15.37	21.90	M20
95	T3L18B	RUDP-744	Salimar	OPC	Chisang Khola	2-Sep-18	9-Sep-18	30-Sep-18	15.74	24.76	M20
-	-00	ntractor					Consul	Itont			
	CHONGHENG CO TERNATIONAL I				BUILDING WITH B.N. C AR	ONSULTA	NCY PVT.	Y (P) LTD I LTD AND KATHMAN	PLUS E	NGINEE	URE CRS &
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S.N.	Location	ation Lab Ref.no.	Type of Cement	Brand	Source of	Date of	Date of Testing		Strength, N/mm		Concret
			Cement	Cement	Sand+Agg.	Casting	7 Days	28 Days	7 Days	28 Days	Grade
96	T3L39	RUDP-745	Salimar	OPC	Chisang Khola	2-Sep-18	9-Sep-18	'30-Sep-18	15.44	23.26	M20
97	R-87	RUDP-746	Salimar	OPC	Chisang Khola	2-Sep-18	9-Sep-18	30-Sep-18	16.78	22.13	M20
98	R-85	RUDP-747	Salimar	OPC	Chisang Khola	2-Sep-18	9-Sep-18	30-Sep-18	16.34	23.86	M20
99	Madhumara Yard	RUDP-748	Salimar	OPC	Chisang Khola	2-Sep-18	9-Sep-18	30-Sep-18	21.67	32.59	M30
100	Madhumara Yard	RUDP-749	Salimar	OPC	Chisang Khola	3-Sep-18	10-Sep-18	1-Oct-18	17.88		M25
101	R-12	RUDP-750	Salimar	OPC	Chisang Khola	3-Sep-18	10-Sep-18	1-Oct-18	15.22		M20
102	R-84	RUDP-751	Salimar	OPC	Chisang Khola	3-Sep-18	10-Sep-18	1-Oct-18	16.26		M20
103	R-83	RUDP-752	Salimar	OPC	Chisang Khola	4-Sep-18	11-Sep-18	2-Oct-18	15.44		M20
104	DDC-yard	RUDP-753	Salimar	OPC	Chisang Khola	4-Sep-18	11-Sep-18	2-Oct-18	15.44		M20
105	Madhumara Yard	RUDP-754	Salimar	OPC	Chisang Khola	4-Sep-18	11-Sep-18	2-Oct-18	18.16		M25
106.	R-74	RUDP-755	Salimar	OPC	Chisang Khola	5-Sep-18	12-Sep-18	3-Oct-18	15.59		M20
107	T3L18A	RUDP-756	Salimar	OPC	Chisang Khola	5-Sep-18	12-Sep-18	3-Oct-18	17.23		M20
108	R-87	RUDP-757	Salimar	OPC	Chisang Khola	5-Sep-18	12-Sep-18	3-Oct-18	14.69		M20
109	R-85	RUDP-758	Salimar	OPC	Chisang Khola	5-Sep-18	12-Sep-18	3-Oct-18	15.81		M20
110	R-12	RUDP-759	Salimar	OPC	Chisang Khola	6-Sep-18	13-Sep-18	4-Oct-18	16.71		M20
111	R-83	RUDP-760	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	15.29		M20
112	R-12	RUDP-761	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	14.99		M20
113	R-7	RUDP-762	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	15.14		M20
114	R-45	RUDP-763	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	14.99		M20
115	T3L18A	RUDP-764	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	15.66		M20
116	T3L11K	RUDP-765	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	17.23		M20
117	Koshi Yard	RUDP-766	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	14.69		M20
118	T3L18B	RUDP-767	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	15.66		M20
120	R-12 Madhumara Yard	RUDP-768	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	16.26		M20
120	Madhumara Yard	RUDP-769	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	18.97		M25
122	and the second se	RUDP-770	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	18,46		M25
123	R-87 R-85	RUDP-771	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	14.99		M20
124	R-03	RUDP-772	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	15.96		M20
125		RUDP-773	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	15.31		M20
26	R-84	RUDP-774	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	16.26		M20
20	Madhumara Yard	RUDP-775	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	23.63		M30
128	DDC-yard Koshi Yard	RUDP-776	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	15.37		M20
28	Madhumara Yard	RUDP-777	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	14.69		M20
30	Madhumara Yard Madhumara Yard	RUDP-778	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	21.22		M30
31	R-87	RUDP-779	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	17.31		M25
32	T3L18A	RUDP-780	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	15.07		M20
33	R-45	RUDP-781 RUDP-782	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	16.19		M20
34	Koshi Yard	RUDP-782 RUDP-783	Salimar Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	15.44		M20
24		ntractor	Samhar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	15.96		M20
	001	actactor .					Const	ultent			
2 Ľv	ZHONGHENG CON TERNATIONAL E	NSTRUCTIO	N GROU	P TD	BUILDING WITH B.N. C ARC	ONSULT.	UTHORIT NCY PVT. S (P) LTD, I	LTD AND	PLUS E	NGINEE	URE ERS &
e Va	dhan	Addition of the	h	. 7	S approx	(* js		254	?
heck ngine	ed By er		Submitte Contract M		Verified By Approved By Qty Engineer/CSE Team Leader						



1		REGI		Birati Contr	BAN DEVELOPMENT PROJECT ratnagar Metropolitan City ntract No:- RUDP/ICB/BRT-02 v Sheet of Concrete CubeTest Report									
								Month		September				
							Year			2018 \$				
				1.0		1	ly	pe of Materia	1	Cone	. Cube			
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand+Agg.	Date of Casting	Date o	f Testing 28 Days	-	h, N/mm2 28 Days	Concret Grade			
135	T3L18B	RUDP-784	Salimar	OPC	Chisang Khola	0 Car 10				28 Days				
136	Madhumara Yard	RUDP-785	Salimar	OPC	Chisang Khola	8-Sep-18 8-Sep-18	15-Sep-18	6-Oct-18	14.92	1	M20			
137	Madhumara Yard	RUDP-786	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	17.45		M25			
138	R-85	RUDP-787	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18 15-Sep-18	6-Oct-18 6-Oct-18	22.05		M30			
139	R-12	RUDP-788	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18		15.37		M20			
140	T3L18A	RUDP-789	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18 6-Oct-18	16.11		M20			
141	T3L18B	RUDP-790	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	16.19		M20			
142	Madhumara Yard	RUDP-791	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	18.89		M20			
143	Madhumara Yard	RUDP-792	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	22.69		M25			
144	DDC-yard	RUDP-793	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	15.22		M30 M20			
145.	Koshi Yard	RUDP-794	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	16.11		M20			
146	R-45	RUDP-795	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	14.84		M20 M20			
147	T3L11K	RUDP-796	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	15.29		M20			
148	T3L18A	RUDP-797	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	15.37		M20			
149	R-85	RUDP-798	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	16.26		M20			
150 151	R-87 Madhumara Yard	RUDP-799	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	.7-Oct-18	16.34		M20			
152	Madhumara Yard	RUDP-800	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	18.11		M25			
153	R-83	RUDP-801	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	21.15		M30			
154	R-87	RUDP-802	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	15.81		M20			
155	R-45	RUDP-803	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	16.48		M20			
156	R-12	RUDP-804	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	14.99		M20			
157	Madhumara Yard	RUDP-805 RUDP-806	Salimar Salimar	OPC OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	16.86		M20			
158	DDC-yard	RUDP-807	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	18.16		M25			
159	R-84	RUDP-808	Salimar	OPC	Chisang Khola Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	16.26		M20			
60	Madhumara Yard	RUDP-809	Salimar	OPC	Chisang Khola	9-Sep-18 9-Sep-18	16-Sep-18	7-Oct-18	15.74		M20			
61	Koshi Yard	RUDP-810	Salimar	OPC	Chisang Khola	10-Sep-18	16-Sep-18 17-Sep-18	7-Oct-18	18.66		M25			
62	T3L11K	RUDP-811	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	14.84		M20			
63	R-7	RUDP-812	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18 8-Oct-18	14.77		M20			
64	T3L11K	RUDP-813	Salimar	OPC	the second s	10-Sep-18			15.44 14.77		M20			
65	Koshi Yard	RUDP-814	Salimar	OPC		10-Sep-18		8-Oct-18	14.77	++	M20 M20			
66	B2-1	RUDP-815	Salimar	OPC	the second se	10-Sep-18	17-Sep-18	8-Oct-18	16.71		M20 M20			
67	Madhumara Yard	RUDP-816	Salimar	OPC		10-Sep-18		8-Oct-18	18.39	1	M25			
68	Madhumara Yard	RUDP-817	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	21.90	1	M30			
69	R-12	RUDP-818	Salimar	OPC	Chisang Khôla	10-Sep-18		8-Oct-18	15.22		M20			
70	T3L11K	RUDP-819	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	14.77		M20			
71	Koshi Yard	RUDP-820	Salimar	OPC		10-Sep-18	17-Sep-18	8-Oct-18	15.44		M20			
73	Madhumara Yard R-12	RUDP-821	Salimar	OPC			17-Sep-18	.8-Oct-18	17.78		M25			
		RUDP-822	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	15.29		M20			
-	0	and net of					cons	ulfent						
E.	ZHONGHENG CO	NSTRUCTIO	N GROU	P TD	BUILDING WITH B.N. C AR	ONSULTA	UTHORIT NCY PVT. S (P) LTD, H	LTD AND	PLUS E	NGINEE	URE RS &			
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143								Month		Sent	ember
								Year			018
			1	1	-	1	Ту	pe of Materia	1	Conc	. Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cemen	Source of	Date of Casting	-	f Testing		n, N/mm2	Concret Grade
174	R-45	RUDP-823	Salimar	OPC		10.0	7 Days	28 Days	7 Days	28 Days	
175	Madhumara Yard	RUDP-824		OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	16.86		M20
176	DDC-yard	RUDP-825	Salimar	OPC	Chisang Khola Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	18.54		M25
177	R-45	RUDP-826	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	14.99		M20
178	T3L11K	RUDP-827	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	16.04		M20
179	T3L18A	RUDP-828	Salimar	OPC	Chisang Khola	11-Sep-18 11-Sep-18	18-Sep-18	9-Oct-18	15.74		M20
180	R-12	RUDP-829	Salimar	OPC	Chisang Khola	11-Sep-18 11-Sep-18	18-Sep-18	9-Oct-18	15.96		M20
181	R-84	RUDP-830	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18 18-Sep-18	9-Oct-18 9-Oct-18	16.86		M20
182	R-87	RUDP-831	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18 9-Oct-18	16.71		M20
183	R-83	RUDP-832	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	'9-Oct-18	16.26		M20
184;	DDC-yard	RUDP-833	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18 9-Oct-18	15.37		M20
185	Koshi Yard	RUDP-834	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	14.55		M20
186	R-12	RUDP-835	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	15.52		M20
187	T3L18A	RUDP-836	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	16.56		M20 M20
188	Madhumara Yard	RUDP-837	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	18.59		M25
89 90	Madhumara Yard	RUDP-838	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	17.66		M25
91	R-45	RUDP-839	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	16.71		M20
92	R-87	RUDP-840	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	15.74		M20
93	R-85 R-83	RUDP-841	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	14.84		M20
94	R-12	RUDP-842	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	16.34		M20
95	R-83	RUDP-843 RUDP-844	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	15.44		M20
96	R-7	RUDP-845	Salimar Salimar	OPC		12-Sep-18	19-Sep-18	10-Oct-18	15.89		M20
97	TJLIIK	RUDP-846	Salimar	OPC OPC		12-Sep-18	19-Sep-18	10-Oct-18	14.17		M20
98	R-84	RUDP-847	Salimar	OPC		12-Sep-18	19-Sep-18	10-Oct-18	16.78		M20
99	R-45	RUDP-848	Salimar	OPC	01.1	12-Sep-18	19-Sep-18	10-Oct-18	14.55		M20
00	DDC-yard	RUDP-849	Salimar	OPC		12-Sep-18 12-Sep-18	19-Sep-18	10-Oct-18	14.92		M20
01	Madhumara Yard	RUDP-850	Salimar	OPC			19-Sep-18	10-Oct-18	14.62		M20
02	R-84	RUDP-851	Salimar	OPC		12-Sep-18	19-Sep-18	10-Oct-18	19.07		M25
03	R-12	RUDP-852	Salimar	OPC			19-Sep-18	10-Oct-18	15.74		M20
04	R-85	RUDP-853	Salimar	OPC			20-Sep-18	10-Oct-18	16.11		M20
05	R-45	RUDP-854	Salimar	OPC		CARD STORE	20-Sep-18	11-Oct-18	14.32		M20
06	T3L39A	RUDP-855	Salimar	OPC		13-Sep-18		11-Oct-18	15.44		M20
07	R-85	RUDP-856	Salimar	OPC	Annual state of the state of th		20-Sep-18	11-Oct-18	15.81		M20
08	R-12	RUDP-857	Salimar	OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	16.56		M20 M20
09	T3L11K	RUDP-858	Salimar			Contraction of the local division of the loc		11-Oct-18	14.84		M20
1	R-87	RUDP-859	Salimar		Chisang Khola		20-Sep-18	11-Oct-18	16.56		M20
2	R-7 R-85	RUDP-860	Salimar			3-Sep-18	20-Sep-18	11-Oct-18	17.01		M20
		RUDP-861	Salimar	OPC	Chisang Khola 1	3-Sep-18	20-Sep-18	11-Oct-18	14.47		M20
	Con July	and the second s					C	ensulter	1-		
Z	HONGHENG CON FERNATIONAL E	NSTRUCTION	N GROU	P TD	BUILDING I WITH B.N. CO ARC	DNSULTA	NCY PVT.	((P) LTD I LTD AND I ATHMAN	PLUS EN	GINEE	JRE RS &
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		REGIC		Biratn Contra	AN DEVEL agar Metrop ct No;- RUDP/ eet of Concrete	olitan Cit ICB/BRT-(y 2	OJECT			
								Month		Sept	ember
								Year		the second se	018
		1					Ту	pe of Material		Conc	. Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand+Agg.	Date of Casting		Testing		n, N/mm2	Concret Grade
213	R-7	RUDP-862	Salimar			1	7 Days	28 Days	1.00	28 Days	
214	R-87	RUDP-863	Salimar	OPC OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	16.04		M20
215	T3L18B	RUDP-864	Salimar	OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	14.92		M20
216	R-87	RUDP-865	Salimar	OPC	Chisang Khola Chisang Khola	13-Sep-18 13-Sep-18	20-Sep-18	11-Oct-18	14.10		M20
217	R-12	RUDP-866	Salimar	OPC	Chisang Khola	13-Sep-18	20-Sep-18 20-Sep-18	11-Oct-18 11-Oct-18	16.04		M20
218	R-7	RUDP-867	Salimar	OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	15.14		M20
219	R-84	RUDP-868	Salimar	OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	16.86		M20
220	R-45	RUDP-869	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	14.32		M20 M20
221	R-87	RUDP-870	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	16.48		M20
222	R-85	RUDP-871	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	16.19		M20
223	R-12	RUDP-872	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	14.02		M20
224	R-83	RUDP-873	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	16.19		M20
225	R-7	RUDP-874	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	15.59		M20
226	T3L11K	RUDP-875	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	15.81		M20
227	T3L18A	RUDP-876	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	16.19		M20
228	R-45	RUDP-877	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	15.66		M20
229	R-87	RUDP-878	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	15.26		M20
230	R-85	RUDP-879	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	15.66		M20
231	R-83	RUDP-880	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	14.69		M20
232 233	R-7	RUDP-881	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	15.29		M20
233	R-87	RUDP-882	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	15.81		M20
235	Madhumara Yard R-12	RUDP-883 RUDP-884	Salimar Salimar	OPC OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	17.73		M25
236	R-85	RUDP-885	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	14.99		M20
237	R-83	RUDP-886	Salimar	OPC	Chisang Khola Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18 12-Oct-18	15.74		M20
238	R-7	RUDP-887	Salimar	OPC	Chisang Khola	14-Sep-18 14-Sep-18	21-Sep-18 21-Sep-18	12-Oct-18	16.11 15.22		M20
239	Koshi Yard	RUDP-888	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	12-Oct-18 13-Oct-18	16.63		M20
240	DDC-yard	RUDP-889	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	15.52		M20 M20
241	R-45	RUDP-890	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	14.77		M20
242	R-87	RUDP-891	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	16.04		M20
243	R-85	RUDP-892	Salimar	OPC	the second se	15-Sep-18	22-Sep-18	13-Oct-18	16.34		M20
244	R-83	RUDP-893	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	15.66		M20
245	R-12	RUDP-894	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	14.84		M20
246	R-83	RUDP-895	Salimar	OPC	Chisang Khola	15-Sep-18		13-Oct-18	15.07		M20
247	R-7	RUDP-896	Salimar	OPC		15-Sep-18	22-Sep-18	13-Oct-18	16.41		M20
248	T3L18B	RUDP-897	Salimar	OPC		15-Sep-18	22-Sep-18	13-Oct-18	14.40		M20
49	B2-1	RUDP-898	Salimar	OPC		15-Sep-18	22-Sep-18	13-Oct-18	15.44		M20
150 151	R-84 R-45	RUDP-899	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	16.63		M20
21		RUDP-900	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	15.74		M20
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	ZHONGHENG CO				BUILDING WITH B.N. C AR	ONSULTA	NCY PVT.		PLUS E	NGINE	
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								Month	_	Sent	tember
								Year			018
-		1					Ty	pe o f Material		Conc	. Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of	Source of Sand+Agg.	Date of Casting		f Testing	-	n, N/mm2	Concret
0.70		-		Cement			7 Days	28 Days	7 Days	28 Days	
252	Madhumara Yard	RUDP-901	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	17.45		M25
253	Koshi Yard	RUDP-902	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	14.40		M20
254 255	R-7	RUDP-903	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	15.74		M20
255	R-45	RUDP-904	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	15.29		M20
257	R-12	RUDP-905	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	14.32		M20
	R-45	RUDP-906	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	16.11		M20
258 259	R-87	RUDP-907	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	15.29		M20
260	R-85 R-83	RUDP-908	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	15.66		M20
260	R-83 R-7	RUDP-909	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	14.69		M20
262	R-12	RUDP-910	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	16.04		M20
263	Madhumara Yard	RUDP-911	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	15.22		M20
264		RUDP-912	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	19.12		M25
265	Koshi Yard R-45	RUDP-913	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	14.62		M20
266	R-43 R-87	RUDP-914	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	14.55		M20
267	R-83	RUDP-915 RUDP-916	Salimar Salimar	OPC OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	15.44		M20
268	R-85				Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	14.84		M20
269	R-03	RUDP-917	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	15.74		M20
270		RUDP-918	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	15.81		M20
271	T3L11K	RUDP-919	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	14.10		M20
272	R-84 T3L18B	RUDP-920	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	15.07		M20
273	B2-1	RUDP-921	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	16.41		M20
274		RUDP-922	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	14.84		M20
275	R-45 R-87	RUDP-923	Salimar	OPC OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	14.77		M20
276	T3L11K	RUDP-924 RUDP-925	Salimar Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	14.40		M20
277	Madhumara Yard	RUDP-925 RUDP-926	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	15.59		M20
278	R-45	RUDP-920	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	19.12		M25
279	R-12	RUDP-927 RUDP-928	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	15.66		M20
280	R-87	RUDP-929	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	16.41		M20
281	R-83	RUDP-929	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	15.66		M20
282	R-12	RUDP-930	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	16.34		M20
283	R-85	RUDP-932	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	15.44		M20
284	T3L18A	RUDP-932 RUDP-933	Salimar	OPC	Chisang Khola Chisang Khola	17-Sep-18 17-Sep-18	24-Sep-18	15-Oct-18	15.22		M20
285	T3L11K	RUDP-933	Salimar	OPC	Chisang Khola	17-Sep-18 17-Sep-18	24-Sep-18	15-Oct-18 15-Oct-18	15.29		M20
286	R-12	RUDP-935	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18 24-Sep-18	15-Oct-18	16.11 14.25		M20
87	R-83	RUDP-936	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18			M20
288	DDC-yard	RUDP-937	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	15.89 15.14		M20 M20
289	R-7	RUDP-938	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	15.89		M20
90	Madhumara Yard	RUDP-939	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	17.31		M25
	the second se	ntractor			Survey and Artificial			consulte			14123
	ZHONGHENG CO VTERNATIONAL	NSTRUCTIO	ON GROU	12.01	BUILDING WITH B.N. C AR	CONSULTA	UTHORIT ANCY PVT.	Y (P) LTD	IN JOIN PLUS I	ENGINE	
680 Check	cdhan ced By		Submitt		Verified By Qty Engineer/C				2010	pproved eam Lead	



y.		REGI		Birat Conti	AN DEVE nagar Metro act No:- RUDF heet of Concret	politan Ci /ICB/BRT-	ty 02	ROJECT	ſ		
1.1								Month		San	lember
								Year			018
			-	1	-		Ty	pe of Materia	1		. Cube
S.N.	Location	Lab Ref.no.	Type of Cement	of	Source of	Date of	Date o	f Testing	Strengt	h, N/mm2	Concret
201				Cemen	t	Casting	7 Days	28 Days	7 Days	28 Days	Grade
291	R-45	RUDP-940	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	-		
292	R-12	RUDP-941	Salimar	OPC	Chisang Khola			15-Oct-18	16.04		M20
293	R-87	RUDP-942	Salimar	OPC	Chisang Khola	17-Sep-18		15-Oct-18	16.48		M20
294	R-7	RUDP-943	Salimar	OPC	Chisang Khola	17-Sep-18		15-Oct-18	14.77		M20
295	R-83	RUDP-944	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	14.77		M20
296	R-12	RUDP-945	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	16.34		M20
297	T3L11K	RUDP-946	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18		14.40		M20
298	R-84	RUDP-947	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18 15-Oct-18	16.56		M20
299	R-83	RUDP-948	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18 24-Sep-18	Contraction of the local division of the loc	14.40		M20
300	R-45	RUDP-949	Salimar	OPC	Chisang Khola	17-Sep-18		15-Oct-18	14.84		M20
301	T3L39A	RUDP-950	Salimar	OPC	Chisang Khola	17-Sep-18 17-Sep-18	24-Sep-18	15-Oct-18	16.41		M20
302	T3L11K	RUDP-951	Salimar	OPC	Chisang Khola		24-Sep-18	15-Oct-18	14.92		M20
303	R-45	RUDP-952	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	16.34		M20
304	R-87	RUDP-953	Salimar	OPC	Chisang Khola	18-Sep-18 18-Sep-18	25-Sep-18	16-Oct-18	14.77		M20
305	Madhumara-Yard	RUDP-954	Salimar	OPC	Chisang Khola		25-Sep-18	16-Oct-18	15.59		M20
306	R-12	RUDP-955	Salimar	OPC	Chisang Khola	18-Sep-18 18-Sep-18	25-Sep-18	16-Oct-18	18.16		M25
307	R-83	RUDP-956	Salimar	OPC	Chisang Khola	18-Sep-18	25-Sep-18	16-Oct-18	14.17		M20
308	R-7	RUDP-957	Salimar	OPC	Chisang Khola		25-Sep-18	16-Oct-18	15.66		M20
309	Koshi Yard	RUDP-958	Salimar	OPC	Chisang Khola	18-Sep-18	25-Sep-18	16-Oct-18	15.59		M20
310	R-12	RUDP-959	Salimar	OPC	Chisang Khola	18-Sep-18 18-Sep-18	25-Sep-18	16-Oct-18	16.04		M20
311	R-45	RUDP-960	Salimar	OPC	Chisang Khola		25-Sep-18	16-Oct-18	15.22	-	M20
312	R-87	RUDP-961	Salimar	OPC		18-Sep-18	25-Sep-18	16-Oct-18	15.29		M20
313	R-85	RUDP-962	Salimar	OPC	Carle Charles			16-Oct-18	15.07		M20
314	R-12	RUDP-963	Salimar	OPC			25-Sep-18	16-Oct-18	15.89		M20
315	R-83	RUDP-964	Salimar	OPC	and the second se		25-Sep-18	16-Oct-18	16.56		M20
316	R-7	RUDP-965	Salimar	OPC	alles a			16-Oct-18	16.04		M20
317	T3L18B	RUDP-966	Salimar		(h) 1			16-Oct-18	14.77		M20
318	R-12	RUDP-967	Salimar			and the second	200-02	16-Oct-18	16.41		M20
19	Madhumara-Yard	RUDP-968	Salimar				and the second se	16-Oct-18	15.96		M20
20	T3L18A	RUDP-969	Salimar		Children and Child			16-Oct-18	18.61		M25 `
21	Koshi Yard	RUDP-970	Salimar				25-Sep-18		15.07		M20
22	R-87	RUDP-971	Salimar					16-Oct-18	14.84		M20
23	R-45	RUDP-972	Salimar			the second s		16-Oct-18	16.56		M20
24	B2-1	RUDP-973	Salimar		and a			the second s	14.32		M20
25	R-85	RUDP-974	Salimar						14.02		M20
26	R-12	RUDP-975	Salimar	the second s	Chisang Khola 1 Chisang Khola 1	and the second se	and the second se		15.14		M20
27	R-84	RUDP-976	Salimar						16.26		M20
28	R-87	No. of Long Co.	Salimar						14.55		M20
29	R-12		Salimar		and the second se				16.19		M20
-5		itractor			Surg Knola 1	9-Sep-18 2			15.59		M20
		OPOUP BITERUOTO	N.T.			-	C	moulter	+		
- ZI HNT	HONGHENG CO TERNATIONAL E	STRUCTIO	N GROUE	D	BUILDING D WITH B.N. CO ARC	INSULTAN	THORITY CY PVT. L (P) LTD, K	TD AND P	LUS EN	GINEEF	RE IS &
ecker		~	Sulmittee	By	erified By				(65)	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u> </u>
gineer	ſ				ty Engineer/CSE					roved By n Leader	



6		REG		Cont	BAN DEVE tnagar Metro ract No:- RUDI Sheet of Concre	politan (P/ICB/BR	City	ROJEC	T		
								Month		Son	tember
-								Year			2018
						1	_	Type of Mater	ial		c. Cube
S.N.	Location	Lab Ref.nd	o. Type of Cement	Brand of Cemen	Source of	Date of Casting		of Testing	Strengt	h, N/mm2	Concret
330	T3L11K	RUDP-97	0 0.1	10.000			7 Days	28 Days	7 Days	28 Days	Grade
331	R-87	RUDP-98		OPC	Chisang Khola			8 17-Oct-18	8 16.34		100
332	R-12	RUDP-98		OPC	Chisang Khola	19-Sep-1	8 26-Sep-1				M20
333	Madhumara-Yard	RUDP-982		OPC	Chisang Khola	19-Sep-1					M20
334	R-83			OPC	Chisang Khola	19-Sep-1		17-Oct-18			M20
335	R-12	RUDP-983		OPC	Chisang Khola	19-Sep-1	8 26-Sep-18				M25
336	R-84	RUDP-984		OPC	Chisang Khola	19-Sep-1	8 26-Sep-18				M20
337.		RUDP-985		OPC	Chisang Khola	19-Sep-18					M20
338	R-7	RUDP-986		OPC	Chisang Khola	19-Sep-18			10107		M20
	R-84	RUDP-987		OPC	Chisang Khola	19-Sep-18	and the second se				M20
339	R-45	RUDP-988		OPC	Chisang Khola						M20
340	R-84	RUDP-989	Salimar	OPC	Chisang Khola	19-Sep-18			15.89		M20
341	DDC-yard	RUDP-990	Salimar	OPC	Chisang Khola	20-Sep-18	1 mr. och 10		16.11		M20
42	R-85	RUDP-991	Salimar	OPC	Chisang Khola	20-Sep-18			15.96		M20
43	R-83	RUDP-992	Salimar	OPC	Chisang Khola	20-Sep-18			14.84		M20
44	R-84	RUDP-993	Salimar	OPC	Chisang Khola	20-Sep-18		18-Oct-18	14.32		M20
45	Madhumara-Yard	RUDP-994	Salimar	OPC	Chisang Khola	20-Sep-18	27-Sep-18	18-Oct-18	15.22		M20
46	R-7	RUDP-995	Salimar		Chisang Khola	20-Sep-18		-18-Oct-18	18.45		M25
47	R-12	RUDP-996	Salimar	OPC	Chisang Khola	20-Sep-18		18-Oct-18	14.69		M20
48	T3L18B	RUDP-997	1	OPC		20-Sep-18	27-Sep-18	18-Oct-18	15.59		
49	Koshi Yard	RUDP-998	Salimar	OPC	Chisang Khola	20-Sep-18	27-Sep-18	18-Oct-18	14.84		M20
50	DDC-yard		Salimar	OPC	Chisang Khola	20-Sep-18	27-Sep-18	18-Oct-18	16.86		M20
51	R-45	RUDP-999	Salimar	OPC	Chisang Khola	20-Sep-18	27-Sep-18	18-Oct-18		-	M20
52	R-12	RUDP-1000	Salimar	OPC	Chisang Khola	20-Sep-18	27-Sep-18	18-Oct-18	16.04		M20
53	T3L11K	RUDP-1001	Salimar	OPC	Chisang Khola	20-Sep-18	27-Sep-18	18-Oct-18	14.62		M20
54	R-7	RUDP-1002	Salimar	OPC	Chisang Khola	20-Sep-18	27-Sep-18	18-Oct-18	14.69		M20
55		RUDP-1003	Salimar	OPC		20-Sep-18	27-Sep-18	and the second se	14.32		M20
6	Madhumara-Yard	RUDP-1004	Salimar	OPC	(CAL) 4	20-Sep-18	27-Sep-18	18-Oct-18	15.07		M20
7	R-45	RUDP-1005	Salimar	OPC		21-Sep-18	27-Sep-18 28-Sep-18	18-Oct-18	18.81		M20
	R-84	RUDP-1006	Salimar	OPC	AT 1	21-Sep-18	20-Sep-18	19-Oct-18	15.14		M20
8	R-87	RUDP-1007	Salimar	OPC		21-Sep-18 21-Sep-18	28-Sep-18	19-Oct-18	14.17		M20
9	R-85	RUDP-1008	Salimar			1-Sep-18	28-Sep-18	19-Oct-18	14.77		M20
0	R-7	RUDP-1009	Salimar		Chisang Khola 2	1-Sep-18	28-Sep-18		14.10		M20
1	DDC-yard	RUDP-1010	Salimar	OPC (Chisang Khola 2 Chisang Khola 2	1-Sep-18	28-Sep-18	19-Oct-18	15.14		M20
2	R-84	RUDP-1011	0.11	OPC (28-Sep-18	19-Oct-18	14.77		M20
3	R-12	RUDP-1012	0.11	OPC (Contraction of the second s	a construction of the second se	28-Sep-18	19-Oct-18	15.37		M20
		RUDP-1013		OPC C				19-Oct-18	14.84		M20
5		RUDP-1014	0.11			CONTRACTOR AND	28-Sep-18	a and the second second second	18.91		V125
		RUDP-1015			Chisang Khola 2				15.07		120
		RUDP-1016	A 10	OPC C	Chisang Khola 2			10 0	15.66		120
		and the second			Chisang Khola 2	1-Sep-18	and the second se	10.0	16.34		/120
		tractor	Salimar	OPC C	Chisang Khola 21	I-Sep-18	2 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10.0	14.84		
Containing	1 2 1						and the second s	onsulta		N	420
- ZH EVTI	IONGHENG CON	STRUCTIO	N GROUP G CO. LTI	D ,	BUILDING DI WITH B.N. CO	NOULIA	UTHORITY NCY PVT. 1	(P) LTD IN	JOINT	INFER	RE S &
cked	han By	<u></u>	Submitted	By Ve	rified By		(P) LTD, K	ATHMANI	DU, NEPA	I Ind	(,
neer		C	ontract Man		y Engineer/CSE				Appre	oved By	



		REGI		Conti	AN DEVI tnagar Metro ract No:- RUD Sheet of Concre	politan (City	PROJEC	T		v
								Month		Sep	tember
-								Year		2	018
				Brand	-			Type of Mater	fial	Con	c. Cube
S.N.	Location	Lab Ref.no	. Type of Cement		Source of	Date of Casting		e of Testing		h, N/mm2	Concret Grade
369	R-85	RUDP-101	8 Salimar	OPC	011	-	7 Days			28 Days	Grade
370	R-12	RUDP-101		OPC	Chisang Khola			8 19-Oct-1	8 15.14		M20
371	R-7	RUDP-1020) Salimar	OPC	Chisang Khola				8 15.14		M20
372	Madhumara-Yard	I RUDP-1021	Salimar	OPC	Chisang Khola	and the second s	and the second se				M20
373	T3L11K	RUDP-1022		OPC	Chisang Khola				8 18.46		M25
374	R-84	RUDP-1023		OPC	Chisang Khola Chisang Khola						M20
375	R-45	RUDP-1024		OPC	Chisang Khola Chisang Khola						M20
376	R-12	RUDP-1025		OPC	Chisang Khola Chisang Khola						M20
377	T3L11K	RUDP-1026	Salimar	OPC	Chisang Khola Chisang Khola	22-Sep-1					M20
378	R-7	RUDP-1027	Salimar	OPC	Chisang Khola			the second s			M20
379-	R-84	RUDP-1028		OPC	Chisang Khola	22-Sep-18					M20
380	R-12	RUDP-1029	Salimar	OPC	Chisang Khola	22-Sep-18					M20
81	R-83	RUDP-1030	Salimar	OPC	Chisang Khola						M20
82	Madhumara-Yard	RUDP-1031	Salimar	OPC	Chisang Khola	22-Sep-18		20-Oct-18			M20
83	R-45	RUDP-1032	Salimar	OPC	Chisang Khola	22-Sep-18 22-Sep-18	and the second se				M25
84	R-87	RUDP-1033	Salimar	OPC	Chisang Khola	22-Sep-18 22-Sep-18			15.35		M20
85	R-85	RUDP-1034	Salimar	OPC	Chisang Khola	22-Sep-18 22-Sep-18					M20 .
87	R-83	RUDP-1035	Salimar	OPC	Chisang Khola	22-Sep-18 22-Sep-18	29-Sep-18 29-Sep-18		15.28		M20
88	R-12	RUDP-1036	Salimar	OPC	Chisang Khola	22-Sep-18	29-Sep-18 29-Sep-18		15.35		M20
89	DDC-yard	RUDP-1037	Salimar	OPC		22-Sep-18 22-Sep-18	29-Sep-18 29-Sep-18	20-Oct-18	15.05		M20
90	Koshi Yard	RUDP-1038	Salimar	OPC		22-Sep-18	29-Sep-18 29-Sep-18	20-Oct-18	15.50	-	M20
91	R-83	RUDP-1039	Salimar	OPC	1001 1	22-Sep-18	29-Sep-18	20-Oct-18 20-Oct-18	14.68		M20
92	R-45 R-7	RUDP-1040	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	20-Oct-18 21-Oct-18	14.45		M20
93	T3L11K	RUDP-1041	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18 21-Oct-18	15.88		M20
)4	R-87	RUDP-1042	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	15.50		M20
5	R-85	RUDP-1043 RUDP-1044	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	14.45		M20
6	Madhumara-Yard	RUDP-1044 RUDP-1045	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	15.05		M20
7	R-12	RUDP-1045 RUDP-1046	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	18.66		M20
8	R-83	RUDP-1046	Salimar		Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	15.05		M25 M20
9	R-84	RUDP-1047	Salimar Salimar	OPC (Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	14.15		M20 M20
0	R-45	RUDP-1048	Salimar	OPC (Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	16.18		M20
1	R-45	RUDP-1050	Salimar	OPC (23-Sep-18	30-Sep-18	21-Oct-18	14.30		M20
2	R-7	The Workshop of the State of th				23-Sep-18	30-Sep-18	21-Oct-18	14.83		M20
3	Koshi Yard	D.Y. CO.		OPC (Chisang Khola 2	23-Sep-18	30-Sep-18	21-Oct-18	16.41		M20
1	R-83	Th X 2000 10		OPC C	Chisang Khola 2	3-Sep-18	30-Sep-18	21-Oct-18	14.90		v120 V120
5	R-87	TO 1. 100	A 11 11	OPC C		3-Sep-18	30-Sep-18	21-Oct-18	14.68		v120 v120
,	R-7	D.1.10		OPC C	Chisang Khola 2		30-Sep-18	21-Oct-18	14.75		120
				OPC C			30-Sep-18	21-Oct-18	14.75		120 -
		tractor			Chisang Khola 2	3-Sep-18	30-Sep-18		15.73		120
		and the second s	196				1	Consulfe	-7		
ZH ĚNT	IONGHENG CON ERNATIONAL E	NSTRUCTION	N GROUP G CO. LTJ	D	BUILDING D WITH B.N. CO ARC	NJULIA	UTHORITY NCY PVT.	Y (P) LTD II	N JOINT	INFER	RE S &
cked	Ken By	5	Submitted		rified By				(And Charles	P	
ineer					y Engineer/CSE				Appro	oved By	



				Biratr Contra	AN DEVE agar Metrop act No:- RUDP act of Concrete	olitan Cit	y 12	OJECT			
1								Month		Seni	ember
-	_							Year			018
					T	1	Ty	pe of Material			. Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of	Source of Sand+Agg.	Date of Casting	Date of	f Testing	Strength	n, N/mm2	Concre
408	R-12	DITERIO		Cement		ousing	7 Days	28 Days	7 Days	28 Days	Grade
409	T3L11K	RUDP-1057	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	15.80		1/00
410	the second se	RUDP-1058	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18		15.28		M20
	DDC-yard	RUDP-1059	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18			M20
411	R-7	RUDP-1060	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	14.75		M20
412	R-45	RUDP-1061	Salimar	OPC	Chisang Khola	23-Sep-18			14.83		M20
7					onioung renord	20-3cp-16	30-Sep-18	21-Oct-18	15.73		M20
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	Cor	tractor	÷							4	
2		Statement -	12:42				C	ensultas	r		-
ZF ₹NT	IONGHENG CON ERNATIONAL E	STRUCTION	GROUP GCO. LTI	O dianto	BUILDING D WITH B.N. CO ARCI	NSULTAN	CY PVT. L	(P) LTD IN TD AND PI ATHMAND	LUS EN	GINEER	RE (S &
					P.F.				18)
cked	By	-	utmitted	By V.	rified D.				ND.		
ineer		Co	ntract Man	ager O	rified By y Engineer/CSE					roved By	
Contraction of the			werener inigu	ager	y Engineer/CSE				Toon	n Leader	



			REGIO	Cont	ract No:- RUD	ELOPMENT PRO opolitan City P/ICB/BRT-02 nthly Test Report	JECT	
had							Month	Septemb
S.M	Lab	Testing Date	Institut da		1		Year Type of Material	2018 Brick
1	Ref.No		Location of Sample	Source of Brick	Name Of Brick	Water Absorption of Brick(%)	Strength of Brick(N/mm ²)	Remarks
2		1-Sep-18 1-Sep-18	R-7	Dadarbairya		12.02		Nemark
3	99	1-Sep-18	R-85	Dadarbairya		9.86	10.02	
4	100	1-Sep-18	R-84 R-12	Dadarbairya		10.46	12.45	_
5	101	1-Sep-18	R-12	Dadarbairya	ACC	10.46	12,45	
6	102	2-Sep-18	R-83	Dadarbairya Dadarbairya	ACC	11.24	11.70	
7	103	3-Sep-18	R-45	Dadarbairya Dadarbairya	ACC	9.90	11.26	
8	104	3-Sep-18	R-7	Dadarbairya	ACC	15.00	11.77	
9	105	3-Sep-18	R-83	Dadarbairya	ACC	13.76	12.83	
10	106	3-Sep-18	T3L39	Dadarbairya	ACC	13.69	12.93	
11	107	4-Sep-18	T3L11K	Dadarbairya	ACC	11.97	13.21	
13	108	4-Sep-18	T3L18A	Dadarbairya	ACC	10.60	14.30	
14	109	4-Sep-18 4-Sep-18	R-45	Dadarbairya	ACC	11.39	13.14	
15	111	4-Sep-18 4-Sep-18	R-83	Dadarbairya	ACC	12.86	12.73	
16	112	4-Sep-18	R-12	Dadarbairya	ACC	14.21	13.90	
17	113	4-Sep-18	T3L39 T3L18B	Dadarbairya	ACC	12.30	13.54	
18	114	5-Sep-18	R-7	Dadarbairya	ACC	11.08	13.76	
.9	115	5-Sep-18	R-7	Dadarbairya	ACC	12.09	14.11	
0	116	5-Sep-18	R-45	Dadarbairya Dadarbairya	ACC	11.70	13.85	
1	117	5-Sep-18	R-87	Dadarbairya	ACC	12.46	12.64	
2	118	5-Sep-18	R-87	Dadarbairya	ACC	13.57	13.26	
3	119	5-Sep-18	R-85	Dadarbairya	ACC	14.22	14.03	
4	120	5-Sep-18	R-85	Dadarbairya	ACC	12.21	13.25	
5	121	5-Sep-18	R-7	Dadarbairya	ACC	10.24	12.97	
7	122	5-Sep-18	R-7	Dadarbairya	ACC	9.63	13.39	
3	123	6-Sep-18	R-12	Dadarbairya	ACC	12.07	14.10	
1	125	6-Sep-18 6-Sep-18		Dadarbairya	ACC	13.53	12.87	
	126	6-Sep-18		Dadarbairya	ACC	12.91	13.32	
Su		No.2502.Stan	R-45 dard Specfication	Dadarbairya	ACC	14.67	12.84	
mm	ents:-		and specification	koad And Bridg	e 2073	<20%	12.92	
		Contraction	actor				10 10 N/MM*	
ONG	HENGO	and the second se	and the second se			Consultant	- Andrewski - A	-
		CO. I	UP INTERNATIONAL I	ENGINEERING BU	ILDING DESIGN AUT PLUS	Consultant HORITY (P) LTD IN JOINT VENTURE ENGINEERS & ARCHITECTS (P) LTD	WITH B.N. CONSULTANCY PV , KATHMANDU, NEPAL	T. LTD AND
Ya.	dhar	MIERNING	pu	de la	\$ Ward	pf	(& mi	
eer		_	SuBmitted By Contract Manage		erified By Ingineer/CSE		Approved By Team Leader	



			REG	Cont	ract No:- RUI	ELOPMENT PRO opolitan City DP/ICB/BRT-02 onthly Test Report	JECT	
			(é				Month	Septem
S.N.	Lab	Testing Date	Location of	-	1		Year Type of Material	2018
31+	Ref.No. 127	6-Sep-18	Sample	Source of Brick	Name Of Brick	Water Absorption of Brick(%)	Strength of Brick(N/mm ²)	Brick
32	128	7-Sep-18	R-45	Dadarbairya	ACC	11.26	San of Brick(N/MM-)	Remar
33	129	7-Sep-18	R-12	Dadarbairya	ACC	12.46	(13.25	
34	130	7-Sep-18	R-83	Dadarbairya	ACC	14.26	12.72	
35	131	7-Sep-18	R-7	Dadarbairya	ACC	14.52	14.11	
36	132	8-Sep-18	R-12	Dadarbairya	ACC	13.53	15.42	
37	133	8-Sep-18	R-84	Dadarbairya	ACC	12.71	14.70	
38	134	8-Sep-18	R-7	Dadarbairya	ACC	11.43	13.35	
39	135	8-Sep-18	R-7	Dadarbairya	ACC		12.30	
40	136	8-Sep-18	R-7	Dadarbairya	ACC	12.20	11.77	
41	137	8-Sep-18	R-7	Dadarbairya	ACC	12.06	12.42	
42	138	8-Sep-18	R-7	Dadarbairya	ACC	13.52	13.16	
43 t	139	8-Sep-18	R-84	Dadarbairya	ACC		14.00	
44	140	8-Sep-18	T3L39	Dadarbairya	ACC	14.98	13.57	
45*	141	11-Sep-18	T3L18B	Dadarbairya	ACC	13.07	12.72	
46	142	11-Sep-18	T3L11K	Dadarbairya	ACC	11.73	14.41	
	143	11-Sep-18 11-Sep-18	R-12	Dadarbairya	ACC	12.98	13.96	
	144	11-Sep-18	R-84	Dadarbairya	ACC	11.97	14.12	-
	145	14-Sep-18	T3L18A	Dadarbairya	ACC		13.34	
	146	14-Sep-18	R-12	Dadarbairya	ACC	11.57	14.21	
	147	14-Sep-18	R-7	Dadarbairya	ACC	12.08	15.15	
		14-Sep-18	R-45	Dadarbairya	ACC	11.74	14.79	
		14-Sep-18 14-Sep-18	R-12	Dadarbairya	ACC	12.50	15.31	
-		14-Sep-18 16-Sep-18	T3L11I	Dadarbairya	ACC	11.39	14.09	
		16-Sep-18	T3L39A	Dadarbairya	ACC	13.06	13.87	
		16-Sep-18 16-Sep-18	R-84	Dadarbairya	ACC	12.40	12.85	
		16-Sep-18	R-12	Dadarbairya	ACC	11.61	13.21	_
		18-Sep-18	R-7	Dadarbairya	ACC	12.79	12.73	_
		18-Sep-18	T3L11K	Dadarbairya	ACC	11.77	11.63	
) 15		18-Sep-18	R-7	Dadarbairya	ACC	12.07	/11.74	
	b-Clause	No 2502 Ct				13.95	13.79	-
nments	-		ard Specfication	Dadarbairya Road And Bridge	2073	12.95	13.04	
4						<20%	>8 to 10 N/mm2	
÷								
		CO Contract	tornollas					1
NGHEN	G CONSTR	RUCTION GROUP IN	TERNATION	GINEEDING of		Consultant		
	[]	ETD .	1.6)	BUIL	DING DESIGN AUTH	Consultant DRITY (P) LTD IN JOINT VENTURE W NGINEERS & ARCHITECTS (P) LTD, KJ	TH B.N. CONSULTANCY PVT. LTD	AND PLUS
		A DETERMINATION OF					ATHMANDU, NEPAL	
	an		Q		at pril		(Emil	7
adh			Submitted By		Vik.		00.	125
ed By				9 61	ified By			1
			Contract Manag	ger QTY En	gineer/CSE		Approved By	



4			REGI	Co	AN GOLIGZAL VIELL	DP/ICB/BRT-02	OJECT	_
							Month	Septembe
S.N.	Lab	Testing	Location of	Equipe of			Year (Type of Material	2018
5.14.	Ref.No.		Sample	Source of Brick	Name Of Brick	Water Absorption of		Brick
61-	157	18-Sep-18	T3L21	Dadarbairya	100	Brick(%)	-Strength of Brick(N/mm ²)	Remark
62	158	18-Sep-18	T3L21	Dadarbairya	ACC	10.92	12.74	
63	159	18-Sep-18	T3L39A	Dadarbairya	ACC	12.00	13.36	
64	160	20-Sep-18	R-7	Dadarbairya	ACC	11.86	14.27	
65	161	20-Sep-18	R-45	Dadarbairya	ACC	12.03	13.28	
66	162	20-Sep-18	T3L11K	Dadarbairya	ACC	12.71	12.75	
67	163	20-Sep-18	T3L11I	Dadarbairya	ACC	10.75	14.03	
68	164	20-Sep-18	T3L39A	Dadarbairya		11.60	13.81	
69	165	20-Sep-18	R-12	Dadarbairya	ACC	12.68	14.07	
70	166	22-Sep-18	R-84	Dadarbairya		11.78	13.22	
71	167	22-Sep-18	R-87	Dadarbairya	ACC	12.98	14.80	
72	168	22-Sep-18	R-7	Dadarbairya	ACC	11.93	13.70	
73	169	22-Sep-18	R-45	Dadarbairya	ACC	12.69	12.57	
74	170	22-Sep-18	T3L11I	Dadarbairya		11.54	/ 13.64	
75	171	24-Sep-18	R-7	Dadarbairya	ACC	12.61	12.64	
5	172	24-Sep-18	R-12	Dadarbairya	ACC	13.75	12.27	
7	173	24-Sep-18	R-84	Dadarbairya	ACC	14.12	13.21	
8	174	24-Sep-18	R-7	Dadarbairya	ACC	13.18	12.74	
9	175	24-Sep-18	T3L39A	Dadarbairya	ACC	14.15	11.80	
0.		24-Sep-18	B2-1	Dadarbairya	ACC	13.53	12.16	
1	177	24-Sep-18	T3L21	Dadarbairya	ACC	12.68	/13.01	
+					ALL	12.02	12.84	
Sul	-Clause	No 2502 Co.						
Iment	s-clause	No.2502,Stand	lard Specficatio	n Road And Brid	ge 2073	(200)		/
		100 8				<20%	>8 to 10 N/mm ²	
-	- 6	Contrac						
NGHE	NG CONS	RUCTION GROUN	PINTERNATICAL	ENGINEER		Consulta	nt	
	(l	MIERINITOW	Inous	ENGINEERING BUI	LDING DESIGN AUTHO	ORITY (P) LTD IN JOINT VENTUR VGINEERS & ARCHITECTS (P) LT	nt E WITH B.N. CONSULTANCY PVT. LTI D, KATHMANDU, NEPAL	D AND PLUS
ad By	han		Sebmitted B Contract Mana		erified av	2	Approved By Team Leader) .
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			REGI		Birati	AN, DEV nagar Metro act No:- RUD y Sheet of Mo	opolitan P/ICB/BR	City T-02	PROJE	СТ		
									Month	_		
									Year		-	ember
			1	1	0	1	1		iption of Sam	-	Brick	Wall
	S.N	. Location	I ab Ref.no	Type of Cement	Brand of Cemen	Source of Sand	Date of Casting	7 Days	28 Days		th, N/mm2	Type of
	1	R-21	MR-385	Salimar	OPC	Chisang Khola	4-Aug-18	11-Aug-18	1-Sep-18			Grade
	2	T3L21 T3L39	MR-386	Salimar	OPC	Chisang Khola	6.0				9.20 8.54	7.5
	4	Rani-Site	MR-387 MR-388	Salimar Salimar	OPC	Chisang Khola	4-Aug-18	11-Aug-18	I-Sep-18		8.94	7.5
	5	R-21	MR-389	Salimar	OPC OPC	Chisang Khola Chisang Khola	5-Aug-18	12-Aug-18	2-Sep-18		9.07	7.5
	6	T31.21	MR-390	Salimar	OPC	Chisang Khola	5-Aug-18 5-Aug-18	12-Aug-18	2-Sep-18	-	8.40	7,5
-	7	T31.39	MR-391	Salimar	OPC	Chisang Khola	5-Aug-18	12-Aug-18 12-Aug-18	2-Sep-18 2-Sep-18		9.07	7.5
	8	T21.26F R-21	MR-392	Salimar	OPC	Chisang Khola	5-Aug-18	12-Aug-18	2-Sep-18		8.67 9.47	7.5
	10	N-2	MR-393 MR-394	Salimar Salimar	OPC	Chisang Khola	6-Aug-18	13-Aug-18	3-Sep-18		8.27	7.5
	11	Rani-Site	MR-395	Salimar	OPC OPC	Chisang Khola Chisang Khola	6-Aug-18	13-Aug-18	3-Sep-18		8.80	7.5
	12	721.26F	MR-396	Salimar	OPC	Chisang Khola Chisang Khola	6-Aug-18 6-Aug-18	13-Aug-18 13-Aug-18	3-Sep-18	T	9.34	7.5
	62	R-21	MR-397	Salimar	OPC	Chisang Khola	7-Aug-18	13-Aug-18	3-Sep-18 4-Sep-18	1	8.67	7.5
	14	N-2 Rani-Site	MR-398 MR-399	Salimar	OPC	Chisang Khola	7-Aug-18	14-Aug-18	4-Sep-18	1	8.80 8.94	7.5
	16	T21.26F	MR-400	Salimar Salimar	OPC	Chisang Khola	7-Aug-18	14-Aug-18	4-Sep-18	3	9.07	7.5
	17	N-2	MR-401	Salimar	OPC OPC	Chisang Khola Chisang Khola	7-Aug-18	14-Aug-18	4-Sep-18	L	9.34	7.5
	18	Rani-Site	MR-402	Salimar	OPC	Chisang Khola	8-Aug-18 8-Aug-18	15-Aug-18	5-Sep-18	3	8.67	7.5
	19	R-21	MR-403	Salimar	OPC	Chisang Khola	8-Aug-18	15-Aug-18 15-Aug-18	5-Sep-18 5-Sep-18	8	9.20	7.5
	20	T21.261 R-74	MR-404	Salimar	OPC	Chisang Khola	8-Aug-18	15-Aug-18	5-Sep-18	2	8.94	75
N	22	T31.23	MR-405 MR-406	Salimar Salimar	OPC	Chisang Khola	9-Aug-18	16-Aug-18	6-Sep-18	2	9.20	75
	23	T31,26F	MR-400	Salimar	OPC OPC	Chisang Khola Chisang Khola	9-Aug-18	16-Aug-18	6-Sep-18		9.47	7.5
	24	T31.39	MR-408	Salimar	1	Chisang Khola	9-Aug-18 9-Aug-18	16-Aug-18	6-Sep-18	TI	8.94	7.5
	25	Rani-Site T2L26F	MR-409	Salimar	OPC	Chisang Khola	10-Aug-18	17-Aug-18	6-Sep-18 7-Sep-18	8	8.80	7.5
	27	R-74	MR-410 MR-411	Salimar Salimar			10-Aug-18	17-Aug-18	7-Sep-18	P	8 40	7.5
	28	Rani-Site	MR-412	Salimar		1991 - C	10-Aug-18	17-Aug-18	7-Sep-18	11	9.07	7.5
	29	T21 26F	MR-413	Salimar	-	611	11-Aug-18	18-Aug-18 18-Aug-18	8-Sep-18	1	8.94	7.5
	30	R-74	MR-414	Salimar	000			18-Aug-18	8-Sep-18 8-Sep-18	2	8.80	7.5
	32	T31.23 R-74	MR-415 MR-416	Salimar		Chisang Khola	11-Aug-18	18-Aug-18	8-Sep-18	2		7.5
	33	R-2	MR-410 MR-417	Salimar Salimar				19-Aug-18	9-Sep-18			7.5
	34	Rani-Site	MR-418	Salimar	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		and the second	19-Aug-18	9-Sep-18		8.80	7.5
	35	T3123	MR-419	Salimar					9-Sep-18 10-Sep-18			7.5
			Contractor					1.46-10	ro-ocp-1a		9.34	7.5
	ZHO	NGHENG (Contractor	TION OP	OUP	BUILDIN	GDESIG	Consulta N AUTHOF		TDIN	10017	_
	INT	ERNATION	AL ENGIN	EERING	CO.	YENTURE	WITH B.	N. CONSUL	LTANCY P	VT L	TD AND	
			LTD	18		PLUS	ENGINEE	ERS & ARC	HITECTS	6 (P) L1	ΓD,	
		E. S. S.	9 1	18-		000	A KAT	HMANDU.	NEPAL			
	Adr		KOLINI KINO JO	1	1-	States	X			(1	m	
	heck	ed By		N	D	- Col				V	21	1
	Engine	× .		bmitted B tract Mana		erified By				Appro	oved By	
			con	and widing	<u>Bei 10</u>	ty ringineer/CS	et.			- 10 Million Ale	Leader	
				nact with	Ber 10	ty Engineer/CS	SE.			- 10 Million Ale	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	



	1	REGIO	E	Biratna Contrac	N DEVE gar Metrop t No:- RUDP/ Sheet of Mort	olitan Ci ICB/BRT-	ty 02	ROJEC	Т		
								Month		Septe	mber
								Year		-	18
		1		1	1	1		ption of Sam Testing	1	Brick	Wall
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	28 Days		h, N/mm2 28 Days	Typ of Gra
36	T31.21	MR-420	Salimar	OPC	Chisang Khola	13-Aug-18	20-Aug-18	10-Sep-18	-	9.07	7.5
37	R-74	MR-421	Salimar	OPC	Chisang Khola	13-Aug-18	_	10-Sep-18		8.40	7.5
38	R-12	MR-422	Salımar	OPC	Chisang Khola	13-Aug-18	20-Aug-18	10-Sep-18		9.34	7.5
39 40	T31.23	MR-423	Salimar	OPC	Chisang Khola	14-Aug-18	21-Aug-18	11-Sep-18		7.87	7.5
40	Rani-Site R-12	MR-424 MR-425	Salimar Salimar	OPC	Chisang Khola	14-Aug-18	21-Aug-18	11-Sep-18		8 40	7.5
42	T31.39	MR-425 MR-426	Salimar	OPC OPC	Chisang Khola	14-Aug-18	21-Aug-18	11-Sep-18		8.67	7.5
43	T31.21	MR-427	Salimar	OPC	Chisang Khola Chisang Khola	15-Aug-18 15-Aug-18	22-Aug-18	12-Sep-18 12-Sep-18		9.20	7.5
44	R-12	MR-428	Salimar	OPC	Chisang Khola	15-Aug-18	22-Aug-18 22-Aug-18	12-Sep-18 12-Sep-18		9.34	7.5
45	T31.23	MR-429	Salimar	OPC	Chisang Khola	15-Aug-18	22-Aug-18	12-Sep-18	-	9.07 8.40	7.5
46	R-74	MR-430	Salimar	OPC	Chisang Khola		22-Aug-18	12-Sep-18		8.54	7.5
47	R-2	MR-431	Salimar	OPC	Chisang Khola	16-Aug-18	23-Aug-18	13-Sep-18		8.27	7.5
48	R-74 R-12	MR-432	Salimar	OPC	Chisang Khola	16-Aug-18	23-Aug-18	13-Sep-18		8.40	7.5
50	T3L39	MR-433 MR-434	Salimar	OPC	Chisang Khola	16-Aug-18	23-Aug-18	13-Sep-18		9.07	7.5
51	T31.23	MR-434 MR-435	Salimar Salimar	OPC	Chisang Khola	16-Aug-18	23-Aug-18	13-Sep-18	_	8.00	7.5
52	T3I39	MR-436	Salimar	OPC	Chisang Khola Chisang Khola	18-Aug-18 18-Aug-18	25-Aug-18	15-Sep-18		8.94	7.5
53	R-12	MR-437	Salimar	OPC	Chisang Khola	18-Aug-18	25-Aug-18 25-Aug-18	15-Sep-18 15-Sep-18		8.80	7.5
54	R-2	MR-438	Salimar	OPC	Chisang Khola	18-Aug-18	25-Aug-18	15-Sep-18		8.67	7.5
55	R-2 (Branch Road)	MR-439	Salimar	OPC	Chisang Khola	18-Aug-18	25-Aug-18	15-Sep-18		9.47	7.5
56	R-74	MR-440	Salimar	OPC	Chisang Khola	18-Aug-18	25-Aug-18	15-Sep-18	-	9.47	7.5
57	R-12	MR-441	Salimar	OPC	Chisang Khola	19-Aug-18	26-Aug-18	16-Sep-18		8.14	7.5
58	R-12 R-74	MR-442	Salimar	OPC	Chisang Khola	19-Aug-18	26-Aug-18	16-Sep-18		8 94	7.5
60	R-74 R-2 (Branch Road)	MR-443 MR-444	Salimar Salimar	OPC	Chisang Khola	19-Aug-18	26-Aug-18	16-Sep-18		8.80	7.5
61	R-7	MR-445	Salimar	OPC	Chisang Khola	19-Aug-18	26-Aug-18	16-Sep-18		8.40	7.5
62	N-4	MR-446	Salimar	OPC	Chisang Khola Chisang Khola	19-Aug-18 19-Aug-18	26-Aug-18	16-Sep-18 16-Sep-18		8.14	7.5
63	T31.23	MR-447	Salimar	OPC	Chisang Khola	20-Aug-18	26-Aug-18 27-Aug-18	17-Sep-18		9.20	7.5
64	T31.21	MR-448	Salimar	OPC	Chisang Khola	20-Aug-18	27-Aug-18	17-Sep-18		8.67 8.80	7,5
65	T31.39	MR-449	Salimar	OPC	Chisang Khola	20-Aug-18	27-Aug-18	17-Sep-18	-	8.40	7.5
66	R-12	MR-450	Salimar	OPC		20-Aug-18	27-Aug-18	17-Sep-18		8.27	7.5
67 68	R-2 R-2 (Branch Road)	MR-451	Salimar	OPC		20-Aug-18	27-Aug-18	17-Sep-18		9.07	7.5
69	R-74	MR-452 MR-453	Salimar Salimar	OPC		20-Aug-18	27-Aug-18	17-Sep-18		8.80	7.5
70	131.26E	MR-454	Salimar			20-Aug-18 20-Aug-18	27-Aug-18	17-Sep-18		7.74	7.5
71	T3123	MR-455	Salimar				27-Aug-18 28-Aug-18	17-Sep-18 18-Sep-18		8.00	7.5
	C	ontractor					Consult		1		
Zł INT	IONGHENGER ERNATIONAL	DINSTRUC ENGINEE	TION GRO RING CO.	DUP LTD	VENTURE	E WITH B. E ENGINE	N AUTHO N. CONSU ERS & AR FHMANDI	LTANCY CHITECT	PVT. I	TD AN	n (D
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Ingin	eer		ntract Mana	S	Qty Engineer/C	SE				n Leade	- N



	I	REGIO	I	Biratna Contrac	N DEVE agar Metrop t No:- RUDP/ Sheet of Mort	olitan Ci ICB/BRT-	ty 02	ROJEC	T		
								Month		Septe	mber
								Year		20	
-		1		1	1	_	Descri	iption of Sam	ple	Brick	Wall
S N	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	Date o 7 Days	f Testing 28 Days		h, N/mm2 28 Days	Typ of Grac
107	T31.21	MR-456	Salimar	OPC	Chisang Khola	21-Aug-18	28-Aug-18	18-Sep-18		9.60	7.5
108	R-12	MR-457	Salimar	OPC	Chisang Khola	21-Aug-18		18-Sep-18	-	7.87	7.5
109	R-7	MR-458	Salimar	OPC	Chisang Khola	21-Aug-18		18-Sep-18		8.27	7.5
110	R-2 (Branch Road)	MR-459	Salimar	OPC	Chisang Khola	21-Aug-18	28-Aug-18	18-Sep-18		8.14	7.5
111	R-12 R-7	MR-460	Salimar	OPC	Chisang Khola	21-Aug-18		18-Sep-18		9.47	7.5
113	R-7	MR-461	Salimar	OPC	Chisang Khola	22-Aug-18	29-Aug-18	19-Sep-18		8.40	7.5
114	T21.18A	MR-462 MR-463	Salimar Salimar	OPC	Chisang Khola	22-Aug-18	29-Aug-18	19-Sep-18		8.67	7.5
115	T21.18B	MR-464	Salimar	OPC OPC	Chisang Khola	22-Aug-18	29-Aug-18	19-Sep-18		9.20	7.5
116	R-12	MR-465	Sahmar	OPC	Chisang Khola Chisang Khola	22-Aug-18	29-Aug-18	19-Sep-18		7.87	7.5
117	R-87	MR-466	Salimar	OPC	Chisang Khola	22-Aug-18 22-Aug-18	29-Aug-18	19-Sep-18		8.94	7.5
118	R-84	MR-467	Salimar	OPC	Chisang Khola	23-Aug-18	29-Aug-18 30-Aug-18	19-Sep-18 20-Sep-18		8.14	7.5
119	R-12	MR-468	Salimar	OPC	Chisang Khola	24-Jul-18	31-Jul-18	21-Aug-18		9.85	7.5
120	R-85	MR-469	Salimar	OPC	Chisang Khola	23-Aug-18	30-Aug-18	20-Sep-18		7.74	7.5
121	R-7	MR-470	Salimar	OPC	Chisang Khola	23-Aug-18	30-Aug-18	20-Sep-18		8.94	7.5
122	R-12	MR-471	Salimar	OPC	Chisang Khola	23-Aug-18	30-Aug-18	20-Sep-18		9.45	7.5
123	R-87	MR-472	Salimar	OPC	Chisang Khola	23-Aug-18	30-Aug-18	20-Sep-18		7.74	7.5
124	R-84	MR-473	Salimar	OPC	Chisang Khola	23-Aug-18	30-Aug-18	20-Sep-18		8 40	7.5
126	R-12	MR-474 MR-475	Salimar	OPC	Chisang Khola	24-Aug-18	31-Aug-18	21-Sep-18		8.00	7.5
127	R-87	MR-475 MR-476	Salimar Salimar	OPC	Chisang Khola	24-Aug-18	31-Aug-18	21-Sep-18		9.07	7.5
128	R-84	MR-470 MR-477	Salimar	OPC OPC	Chisang Khola	24-Aug-18	31-Aug-18	21-Sep-18		8.67	7.5
129	R-85	MR-478	Salimar	OPC	Chisang Khola Chisang Khola	24-Aug-18 24-Aug-18	31-Aug-18	21-Sep-18		8 94	75
130	R-7	MR-479	Salimar	OPC	Chisang Khola	24-Aug-18	31-Aug-18 31-Aug-18	21-Sep-18		9.85	7.5
131	ГЗІ 18A	MR-480	Salimar	OPC	Chisang Khola	24-Aug-18	31-Aug-18	21-Sep-18 21-Sep-18		8.80	7.5
132	T21 18B	MR-481	Salimar	OPC	Chisang Khola	25-Aug-18	1-Sep-18	22-Sep-18	6.27	9.07	7.5
133	R-74	MR-482	Salimar	OPC	Chisang Khola	25-Aug-18	1-Sep-18	22-Sep-18	6.00	8.14	7.5
134	T31.18A	MR-483	Salimar	OPC	Chisang Khola	25-Aug-18	1-Sep-18	22-Sep-18	6.27	7.87	75
135	R-85 R-87	MR-484	Salimar	OPC	Chisang Khola	25-Aug-18	1-Sep-18	22-Sep-18	6.67	8.94	7.5
137	R-12	MR-485	Salimar	OPC	Chisang Khola	25-Aug-18	1-Sep-18	22-Sep-18	5.87	8.40	75
138	R-84	MR-486 MR-487	Salimar Salimar		Chisang Khola		1-Sep-18	22-Sep-18	6.27	7.87	75
139	R-83	MR-487	Salimar	OPC OPC	The second se	25-Aug-18 26-Aug-18	1-Sep-18	22-Sep-18	5.87	8.27	7.5
140	T31.18B	MR-489	Salimar	OPC		26-Aug-18	2-Sep-18 2-Sep-18	23-Sep-18 23-Sep-18	6.67	9.20	7.5
141	R-45	MR-490	Salimar	OPC	the second s	26-Aug-18	2-Sep-18	23-Sep-18 23-Sep-18	6.00 5.74	8.54	75
142	R-7	MR-491	Salimar	OPC		26-Aug-18	2-Sep-18	23-Sep-18	6.40	8 00 8.94	7.5
_	Ce	ontractor					Consult				
Zł INT	IONGHENG CE ERNATIØNAL	INSTRUC ENGINEE	TION GRO	OUP . LTD	VENTURE	WITH B.	N. CONSL	CHITECT	PVT. I	TD AN	r ID
A	r All	Super-	A	6	the mos				(Cod	en con	3
	ked By		ubmitted I		Verified By			100	App	roved B	v
ngin	cer	Co	ntract Man	ager (Qty Engineer/C	CSE			1000000	n Leade	20 I



		REGIO	1	Biratna Contrac	N _, DEVE agar Metrop t No:- RUDP/ Sheet of Mort	olitan Ci ICB/BRT-	ity •02	ROJEC	T		
								Month		Septe	mber
								Year		20	18
			[D	1	1		iption of Sam of Testing	-	Brick	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	h. N/mm2 28 Days	Typ of Grad
143	R-74	MR-492	Salimar	OPC	Chisang Khola	27-Aug-18	3-Sep-18	24-Sep-18	6.00	8.00	7.5
144	T31.18A	MR-493	Salimar	OPC	Chisang Khola	27-Aug-18	3-Sep-18	24-Sep-18	6.54	8.40	7.5
145	T31.11K R-85	MR-494 MR-495	Salimar	OPC	Chisang Khola	27-Aug-18	3-Sep-18	24-Sep-18	5.74	8.40	7.5
147	R87	MR-495 MR-496	Salimar Salimar	OPC OPC	Chisang Khola	27-Aug-18	3-Sep-18	24-Sep-18	6.54	8.00	7.5
148	R-12	MR-497	Salimar	OPC	Chisang Khola Chisang Khola	27-Aug-18 27-Aug-18	3-Sep-18	24-Sep-18	6.27	9.07	7.5
149	R-84	MR-498	Salimar	OPC	Chisang Khola	28-Aug-18	3-Sep-18 4-Sep-18	24-Sep-18 25-Sep-18	5.87	8.54	7.5
150	T31.21	MR-499	Salimar	OPC	Chisang Khola	28-Aug-18	4-Sep-18	25-Sep-18	6.00	8.94	7.5
151	R-83 T31.18B	MR-500	Salimar	OPC	Chisang Khola	29-Aug-18	5-Sep-18	26-Sep-18	5.87	8.40	7.5
153	R-45	MR-501 MR-502	Salimar Salimar	OPC	Chisang Khola	29-Aug-18	5-Sep-18	26-Sep-18	5.87	7,74	7.5
154	R-7	MR-502	Salimar	OPC OPC	Chisang Khola Chisang Khola	29-Aug-18 29-Aug-18	5-Sep-18	26-Sep-18	6.40	8.27	7.5
155	T3L18A	MR-504	Salimar	OPC	Chisang Khola	29-Aug-18 29-Aug-18	5-Sep-18 5-Sep-18	26-Sep-18 26-Sep-18	6.67 6.40	7.74	7.5
156	T31.11K	MR-505	Salimar	OPC	Chisang Khola	30-Aug-18	6-Sep-18	27-Sep-18	5.74	9.20	7.5
157	R-85 R-87	MR-506	Salimar	OPC	Chisang Khola	30-Aug-18	6-Sep-18	27-Sep-18	6.14	8.00	7.5
159	R-12	MR-507 MR-508	Salimar Salimar	OPC	Chisang Khola	30-Aug-18	6-Sep-18	27-Sep-18	5.87	8.54	7.5
160	R-84	MR-509	Salimar	OPC OPC	Chisang Khola Chisang Khola	31-Aug-18	7-Sep-18	28-Sep-18	6.40	9.20	7.5
161	R-83	MR-510	Salimar	OPC	Chisang Khola	31-Aug-18 1-Sep-18	7-Sep-18 8-Sep-18	28-Sep-18 29-Sep-18	7.07	9.34	7.5
162	T3L18B	MR-511	Salimar	OPC	Chisang Khola	I-Sep-18	8-Sep-18	29-Sep-18	5 60	8.27 9.34	7.5
163	R-45 R-7	MR-512	Salimar	OPC	Chisang Khola	1-Sep-18	8-Sep-18	29-Sep-18	5.74	9.07	7.5
165	T31.21	MR-513 MR-514	Salimar	OPC	Chisang Khola	1-Sep-18	8-Sep-18	29-Sep-18	5.33	8.40	7.5
166	T31.39A	MR-515	Salimar Salimar	OPC OPC	Chisang Khola Chisang Khola	1-Sep-18	8-Sep-18	29-Sep-18	6.40	8.00	7.5
167	T3I 18A	MR-516	Salimar	OPC	Chisang Khola	1-Sep-18 2-Sep-18	8-Sep-18 9-Sep-18	29-Sep-18 30-Sep-18	6.67	9.07	7.5
168	T31.11K	MR-517	Salimar	OPC	Chisang Khola	2-Sep-18	9-Sep-18	30-Sep-18	5.74	8.00	7.5
169	R-85 R-87	MR-518	Salimar	OPC	Chisang Khola	2-Sep-18	9-Sep-18	30-Sep-18	5.60	9.34	7.5
171	R-87 R-12	MR-519 MR-520	Salimar	OPC	Chisang Khola	2-Sep-18	9-Sep-18	30-Sep-18	6.67	8.54	7.5
172	R-84	MR-521	Salimar	OPC	Chisang Khola Chisang Khola	2-Sep-18	9-Sep-18	30-Sep-18	5.74	7.74	75
173	R-83	MR-522	Salimar	OPC	Chisang Khola	3-Sep-18 3-Sep-18	10-Sep-18	1-Oct-18	614		7.5
174	T31.18A	MR-523	Salimar	OPC	Chisang Khola	3-Sep-18	10-Sep-18 10-Sep-18	1-Oct-18 1-Oct-18	6.67 5.87		7.5
175	R-45 R-7	MR-524	Salimar	OPC	Chisang Khola	3-Sep-18	10-Sep-18	I-Oct-18	6.54		7.5
77	T31.21	MR-525 MR-526	Salimar Salimar	Concentration of the	Chisang Khola	3-Sep-18	10-Sep-18	1-Oct-18	6.67		7.5
78	T31.18A	MR-526 MR-527	Salimar		Chisang Khola Chisang Khola	4-Sep-18 4-Sep-18	11-Sep-18	2-Oct-18	5.33		7.5
					in the second	4-0ch-19	11-Sep-18	2-Oct-18	6.27		7.5
	-	Contractor			RUUDIN	C DECIC	Consult			-	
ZHO INTE	ONGHENG O	ONSTRUC LENGINDE	TION GRO RING CO.	DUP	VENTURE	WITH B. ENGINE	N. CONSU ERS & AR	RITY (P) I ULTANCY CHITECT J, NEPAL	PVT. L	TD AN	D
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hecke			ubmitted B		Verified By Dty Engineer/C	SE	1			oved By	



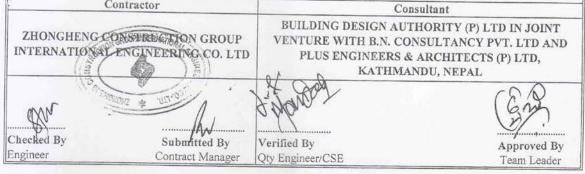
REGIONA	L URBAN DEVELOPMENT PROJECT
	Biratnagar Metropolitan City
	Contract No:- RUDP/ICB/BRT-02
	Summary Sheet of Mortar Test Report

					122			Month - Year		Septe	CARLES ST.
							Desor	→ x ear iption of San	anla	20	2011
				Brand	1	1		f Testing	-	Brick	Wall
S.N.	Location	Lab Ref.no.	Type of Cement	of	Source of Sand	Date of Casting	7 Days	28 Days		28 Days	Typ of Grac
179	T3L11K	MR-528	Salimar	OPC	Chisang Khola	5-Sep-18	12-Sep-18	3-Oct-18	6.07		
180	R-85	MR-529	Salimar	OPC	Chisang Khola	5-Sep-18	12-Sep-18	3-Oct-18	5.87		7.5
181	R-87	MR-530	Salimar	OPC	Chisang Khola	5-Sep-18		3-Oct-18	6.40		7.5
182	R-12	MR-531	Salimar	OPC	Chisang Khola	6-Sep-18	13-Sep-18	4-Oct-18	5.33		7.5
183	R-84	MR-532	Salimar	OPC	Chisang Khola	6-Sep-18	13-Sep-18	4-Oct-18	6.54		7.5
184	R-83	MR-533	Salimar	OPC	Chisang Khola	6-Sep-18	13-Sep-18	4-Oct-18	5.33		7.5
185	R-83	MR-534	Salimar	OPC	Chisang Khola	6-Sep-18	13-Sep-18	4-Oct-18	5.60		7.5
186	T3L18A	MR-535	Salimar	OPC	Chisang Khola	6-Sep-18	13-Sep-18	4-Oct-18	6.54		7.5
187	R-45	MR-536	Salimar	OPC	Chisang Khola	6-Sep-18	13-Sep-18	4-Oct-18	6.00		7.5
188	R-7	MR-537	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	6.67		7.5
189	T3L21	MR-538	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18				7.5
190	T3L39A	MR-539	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18 5-Oct-18	5.33		7.5
191	R-87	MR-540	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	6.67		7.5
192	R-85	MR-541	Salimar	OPC	Chisang Khola	7-Sep-18			5.87		7.5
193	T3L11K	MR-542	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	6.27		7.5
194	T3L18A	MR-543	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18 14-Sep-18	5-Oct-18	5.87		7.5
195	R-12	MR-544	Salimar	OPC	Chisang Khola	7-Sep-18		5-Oct-18	6.27		7.5
196	R-84	MR-545	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	5.87		7.5
197	R-45	MR-546	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	6.54		7.5
198	R-12	MR-547	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	5.74		7.5
199	R-83	MR-548	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18 14-Sep-18	5-Oct-18	5.33		7.5
200	T3L18B	MR-549	Salimar	OPC	Chisang Khola	7-Sep-18		5-Oct-18	6.27		7.5
201	R-7	MR-550	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	5.74		7.5
202	T3L21	MR-551	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18 14-Sep-18	5-Oct-18	6.54		7.5
203	T3L39A	MR-552	Salimar	OPC	Chisang Khola	7-Sep-18		5-Oct-18	6.94		7.5
204	R-84	MR-553	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	5.33		7.5
205	R-87	MR-554	Salimar	OPC	Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	6.27		7.5
206	R-85	MR-555	Salimar		Chisang Khola	7-Sep-18	14-Sep-18	5-Oct-18	5.47		7.5
07	T3L11K	MR-556	Salimar		Chisang Khola	8-Sep-18	14-Sep-18	5-Oct-18	6.54		7.5
.08	T3L18A	MR-557	Salimar		Chisang Khola		15-Sep-18	6-Oct-18	6.00		7.5
:09	R-12	MR-558	Salimar		Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	6.54		7.5
10	R-83	MR-559	Salimar			13-Sep-18	20-Sep-18	11-Oct-18	5.87	-	7.5
11	T3L18B	MR-560	Salimar		Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	5.74		7.5
12	R-7	MR-561	Salimar	0.000	Chisang Khola Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	6.67		7.5
13	T3L212	MR-562	Salimar			13-Sep-18	20-Sep-18	11-Oct-18	5.60		7.5
14	T3L39	MR-563	Salimar			13-Sep-18 8-Sep-18	20-Sep-18	11-Oct-18	5.74		7.5
			Summar	OIC	Chisang Khola	o-sep-1a	15-Sep-18	6-Oct-18	6.54		7.5
100	(Contractor					Consult	ant			
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ZHO	ONGHENG C	ONSTRUCT	YON CDC	aun	BUILDIN	G DESIG	N AUTHO	RITY (P)	LTD IN	JOINT	
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nginee	r	Cor	itract Mana	aar C	ty Engineer/C	00				n Leader	



REGIONAL URBAN DEVELOPMENT PROJECT

				Contract	gar Metrop t No:- RUDP/ Sheet of Mort	ICB/BRT ar Test R	-02				
								Month		Septe	mber
								-Year		20	18
				1	1			iption of Sam	ple	Brick	Wall
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	Date o. 7 Days	f Testing 28 Days		h, N/mm2 28 Days	Tyrof
215	R-84	MR-564	Salimar	OPC	Chisang Khola	0.0.10					Gra
216	R-87	MR-565	Salimar	OPC		8-Sep-18	15-Sep-18	6-Oct-18	5.87		7.5
217	R-85	MR-566	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	6.67		7.:
218	T3L11K	MR-567	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	6.14	(II. (S))	7.5
219	T3L18A	MR-568	Salimar		Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	5.87		7.5
220	R-12	MR-569	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	5.60		7.5
221	R-83	MR-570	Salimar	OPC OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	6.40		7.5
222	T3L18B	MR-571	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	6.80		7.5
223	R-7	MR-572	Salimar		Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	6.00		7.5
224	T3L21	MR-573	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	5.87		7.5
225	T3L39A	MR-574	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	6.54		7.5
226	R-84	MR-575	Salimar	OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	5.87		7.5
227	R-87	MR-576	Salimar	OPC OPC	Chisang Khola	8-Sep-18	15-Sep-18	6-Oct-18	6.14		7.5
228	R-85	MR-577	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	5.47		7.5
229	T3L11K	MR-578	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	6,40		7.5
230	B2-1	MR-579	Salimar		Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	5.87		7.5
231	T3L18A	MR-580	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	6.27		7.5
232	R-12	MR-581	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	5.74		7.5
233	R-83	MR-582	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	6.40		7.5
234	T3L18B	MR-583	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	5.87		7.5
235	R-7	MR-584	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	6.27		7.5
236	T3L21	MR-585	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	5.47		7.5
237	R-85	MR-586	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	6.40		7.5
238	R-87	MR-580 MR-587	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	5.47		7.5
239	R-45	MR-587 MR-588	Salimar	OPC	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	6.40		7.5
240	R-7	MR-588 MR-589	Salimar	1	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	5.60		7.5
241	R-85	MR-589 MR-590	Salimar		Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	6.54		7.5
242	R-12	MR-591	Salimar		Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	5.87	_	7.5
243	R-83	MR-591 MR-592	Salimar		Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	6.00		7.5
244	T3L18B	MR-592 MR-593	Salimar	ALCONOMIC PROPERTY OF	Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	6.40		7.5
245	R-84	MR-593	Salimar		Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	5.47		7.5
246	T3L11K	MR-595	Salimar		Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	5.33		7.5
247	T3L111	MR-595	Salimar		Chisang Khola	9-Sep-18	16-Sep-18	7-Oct-18	6.40		7.5
48	R-7	MR-597	Salimar	11.000 00000000000000000000000000000000	2011 1213 1217 12 12 12 12 12 12 12 12 12 12 12 12 12	10-Sep-18	17-Sep-18	8-Oct-18	5.47		7.5
249	R-84	MR-597 MR-598	Salimar		Contraction of the second second second	10-Sep-18	17-Sep-18	8-Oct-18	6.00		7.5
250	T3L21	MR-598 MR-599	Salimar			10-Sep-18	17-Sep-18	8-Oct-18	6.27		7.5
	e or scord.	1111-333	Samilar	OPC (Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	5.87		7.5





REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Mortar Test Report

								Septer	0416.002511				
								-Year		201			
		1		L				ption of Sam	-	Brick	Wall		
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	Testing 28 Days	and a second	n, N/mm2 28 Days	Typ of Grac		
251	T3L39A	MR-600	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	6.27		7.5		
252	R-12	MR-601	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	6.54		7.5		
253	R-83	MR-602	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	5.47		7.5		
254	T3L18A	MR-603	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	6.54		7.5		
255	R-84	MR-604	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	5.87		7.5		
256	R-87	MR-605	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	6.67		7.5		
257	R-7	MR-606	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	5.60		7.5		
258	R-85	MR-607	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	6.00		7.5		
259	R-12	MR-608	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	6.00		7.5		
260	R-83	MR-609	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	6.40		7.5		
261	R-12	MR-610	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	5.33		7.5		
262	T3L18A	MR-611	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	6.40		7.5		
263	R-7	MR-612	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	6.54		7.5		
264	T3L21	MR-613	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	5.74		7.5		
265	T3L39A	MR-614	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	5.87		7.5		
266	R-84	MR-615	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	6.27		7.5		
267	R-87	MR-616	Salimar	OPC	Chisang Khola	10-Sep-18	17-Sep-18	8-Oct-18	6.40		7.5		
268	R-85	MR-617	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	5.74		7.5		
269	T3L18A	MR-618	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	6.14		7.5		
270	T3L11K	MR-619	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	6.27		7.5		
271	R-12	MR-620	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	5.60		7.5		
272	R-83	MR-621	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	6.67		7.5		
273	R-45	MR-622	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	6.67		7.5		
274	T3L18A	MR-623	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	6.80		7.5		
275	R-12	MR-624	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	5.74		7.5		
276	R-87	MR-625	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	6.27		7.5		
278	R-83	MR-626	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	6.27		7.5		
279	T3L11K	MR-627	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	5.87		7.5		
280	R-87	MR-628	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	6.67		7.5		
281	R-45	MR-629	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	6.67		7.5		
282	T3L18A	MR-630	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	5.60		7.5		
283	R-87	MR-631	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	6.94		7.5		
284	R-83	MR-632	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	6.00		7.5		
285	R-12	MR-633	Salimar	OPC	Chisang Khola	11-Sep-18	18-Sep-18	9-Oct-18	6.27		7.5		
286	R-7	MR-634	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	6.54		7.5		
287	R-45	MR-635	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	5.60		7.5		
_		Contractor			Consultant								
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			Qty Engineer/C					n Leade					



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								Month		Sente	mbar
								September 2018			
							Descri	Brick Wall			
				Brand				Testing	1	h, N/mm2	Туре
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	of
288	T3L11K	MR-636	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	6.54		7.5
289	T3L18A	MR-637	Salimar	OPC	Chisang Khola		19-Sep-18	10-Oct-18	6.40		7.5
290	T3L18B	MR-638	Salimar	OPC	Chisang Khola	the local data and the second second data and the second data and		10-Oct-18	6.40		7.5
291	R-7	MR-639	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	6.14		7.5
292	T3L39A	MR-640	Salimar	OPC	Chisang Khola	12-Sep-18		10-Oct-18	6.27		7.5
293	R-87	MR-641	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	5.60		7.5
294	R-85	MR-642	Salimar	OPC	Chisang Khola	12-Sep-18		10-Oct-18	6.40		7.5
295	R-12	MR-643	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	5.87		7.5
296	R-84	MR-644	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	5.33		7.5
297	R-7	MR-645	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	6.40		7.5
298	R-83	MR-646	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	5.60		7.5
299	R-85	MR-647	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	6.40		7.5
300	R-12	MR-648	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	5.60	1	7.5
301	T3L11K	MR-649	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	6.27		7.5
302	R-87	MR-650	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	5.60		7.5
303	R-83	MR-651	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	6.14		7.5
304	T3L18A	MR-652	Salimar	OPC	Chisang Khola	12-Sep-18	19-Sep-18	10-Oct-18	6.54		7.5
305	R-84	MR-653	Salimar	OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	5.87		7.5
306	R-45	MR-654	Salimar	OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	6.40		7.5
307	T3L18A	MR-655	Salimar	OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	6.67		7.5
308	T3L11K	MR-656	Salimar	OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	6.27	- A.	7.5
309 310	T3L18B	MR-657	Salimar	OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	6.67		7.5
311	T3L39A R-87	MR-658	Salimar	OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	6.14		7.5
312	R-87	MR-659	Salimar	OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	6.00	-	7.5
313	R-45	MR-660 MR-661	Salimar Salimar	OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	6.14		7.5
315	R-45 R-12	MR-662	Salimar	OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	6.14	-	7.5
316	T3L11K	MR-663	Salimar	OPC OPC	Chisang Khola	13-Sep-18	20-Sep-18	11-Oct-18	6.27		7.5
317	R-87	MR-664	Salimar	OPC	Chisang Khola Chisang Khola				6.00		7.5
318	R-83	MR-665	Salimar	OPC		13-Sep-18 13-Sep-18	20-Sep-18 20-Sep-18	11-Oct-18	5.47		7.5
319	TJLIIK	MR-666	Salimar	OPC	Chisang Khola	-	20-Sep-18	11-Oct-18 11-Oct-18	6.40		7.5
320	R-87	MR-667	Salimar	OPC	Chisang Khola		20-Sep-18	11-Oct-18	6.14		7.5
321	R-83	MR-668	Salimar	OPC	Chisang Khola		20-Sep-18	11-Oct-18	6.54		7.5
322	R-84	MR-669	Salimar	OPC		13-Sep-18	20-Sep-18	11-Oct-18	5.47		7.5
323	T3L18A	MR-670	Salimar			13-Sep-18	20-Sep-18	11-Oct-18	6.00		7.5
324	R-45	MR-671	Salimar		and the second se	13-Sep-18	20-Sep-18	11-Oct-18	6.54		7.5
		Contractor			BUILDIN	IG DESIG	Consult N AUTHO			N JOIN	
		ONSTREE L'ENGINEE			VENTURE	WITH B		LTANCY CHITECT	PVT. 1 (S (P) 1	LTD AN	100 million (1911)
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								Month		Sente	mber
					-			-Year		20	
-							Descr	iption of Sam	inle	-	Wall
			T C	Brand				f Testing	121212	h, N/mm2	T
S.N.	Location	Lab Ref.no.	Type of Cement	of Cemen	Source of Sand	Date of Casting	7 Days	28 Days		28 Days	Type of Grade
325	T3L18A	MR-672	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	5.74		7.5
326	T3L11K	MR-673	Salimar	OPC	Chisang Khola	14-Sep-18	the second s	12-Oct-18	6.40		7.5
327	T3L39A	MR-674	Salimar	OPC	Chisang Khola	14-Sep-18		12-Oct-18	6.54		7.5
328	R-87	MR-675	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	5.87		7.5
329 330	R-85	MR-676	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	6.00		7.5
331	R-12	MR-677	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	5.47		7.5
332	R-84	MR-678	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	5.87		7.5
	R-83	MR-679	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	6.27		7.5
333	R-85	MR-680	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	6.00		7.5
334	R-12	MR-681	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	5.47		7.5
335	T3L11K	MR-682	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	6.40		7.5
336	R-87	MR-683	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	6.00		7.5
337	R-83	MR-684	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	6.40		7.5
338	R-7	MR-685	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	6.27		7.5
339	R-84	MR-686	Salimar	OPC	Chisang Khola	14-Sep-18	21-Sep-18	12-Oct-18	5.47		7.5
340	R-45	MR-687	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	6.67		7.5
341	T3L18A	MR-688	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	6.14		7.5
342	T3L11K	MR-689	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	6.67		7.5
343	T3L18A	MR-690	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	5.60		7.5
844	T3L39A	MR-691	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	6.00		7.5
345	R-87	MR-692	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	5.33	1.15	7.5
46	R-85	MR-693	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	6.40		7.5
48	R-12	MR-694	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	5.47		7.5
49	R-84	MR-695	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	6.67		7.5
50	R-83	MR-696	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	5.60		7.5
52	R-85	MR-697	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	6.40		7.5
53	R-45 R-12	MR-698	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	5.87		7.5
54	T3L11K	MR-699	Salimar	OPC	Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	6.00		7.5
55	R-87	MR-700	Salimar	OPC		15-Sep-18	22-Sep-18	13-Oct-18	6.40		7.5
56	R-83	MR-701	Salimar		Chisang Khola	15-Sep-18	22-Sep-18	13-Oct-18	5.74		7.5
57	R-85	MR-702	Salimar		Los Sullas de la compañía de la comp	15-Sep-18	22-Sep-18	13-Oct-18	6.67		7.5
58	R-84	MR-703	Salimar		A CONTRACTOR OF A CONTRACTOR O		22-Sep-18	13-Oct-18	5.74		7.5
59	R-45	MR-704 MR-705	Salimar			CALL STRUCTURE OF STRUCTURE OF	22-Sep-18	13-Oct-18	5.47		7.5
50	T3L11K	MR-705	Salimar Salimar				23-Sep-18	14-Oct-18	6.00		7.5
51	T3L18A	MR-700	Salimar		and the second sec		23-Sep-18	14-Oct-18	6.40		7.5
	1021011	Mile 707	Samila	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	6.14		7.5
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								Month		Septe	mber
								- Year		20	_
				1	1			iption of Sam	ple	Brick	Wall
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cemei	Source of Sand	Date of Casting	7 Days	f Testing 28 Days		h, N/mm2 28 Days	Typ of
362	T3L18B	MR-708	Salimar	OPC		16-Sep-18	22.0 10			20 Days	Grad
363	R-7	MR-709	Salimar	OPC				14-Oct-18	6.14		7.5
364	R-87	MR-710	Salimar	OPC				14-Oct-18	6.00		7.5
365	R-85	MR-711	Salimar	OPC	Chisang Khola			14-Oct-18	5.47		7.5
366	R-12	MR-712	Salimar	OPC	Chisang Khola			14-Oct-18	5.74		7.5
367	R-84	MR-713	Salimar	OPC	Chisang Khola	and the second second second second		14-Oct-18	6.40		7.5
368	R-83	MR-714	Salimar	OPC	Chisang Khola		23-Sep-18	14-Oct-18	6.67		7.5
369	R-85	MR-715	Salimar	OPC	Chisang Khola			14-Oct-18	5.47		7.5
370	R-45	MR-716	Salimar	OPC	Chisang Khola		23-Sep-18	14-Oct-18	6.54		7.5
371	R-12	MR-717	Salimar	OPC	Chisang Khola	16-Sep-18 16-Sep-18	23-Sep-18	14-Oct-18	6.27		7.5
372	T3L11K	MR-718	Salimar	OPC	Chisang Khola		23-Sep-18	14-Oct-18	6.00		7.5
373	R-87	MR-719	Salimar	OPC	Chisang Khola	and the second s	23-Sep-18	14-Oct-18	6.54		7.5
374	R-83	MR-720	Salimar	OPC	Chisang Khola		23-Sep-18	14-Oct-18	6.14		7.5
375	R-7	MR-721	Salimar	OPC	Chisang Khola	16-Sep-18 16-Sep-18	23-Sep-18	14-Oct-18	5.87		7.5
376	R-84	MR-722	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	6.14		7.5
377	R-45	MR-723	Salimar	OPC	Chisang Khola	16-Sep-18	23-Sep-18	14-Oct-18	6.54		7.5
378	R-84	MR-724	Salimar	OPC	Chisang Khola	17-Sep-18	23-Sep-18	14-Oct-18	5.33		7.5
379	R-7	MR-725	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	6.54		7.5
380	R-83	MR-726	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	5.60		7.5
381	R-87	MR-727	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	6.67		7.5
382	T3L11K	MR-728	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	5.87		7.5
383	R-12	MR-729	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	5.74		7.5
384	R-45	MR-730	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	6.27		7.5
385	R-85	MR-731	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	6.14		7.5
386	R-83	MR-732	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	5.47		7.5
387	R-12	MR-733	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	5.74		7.5
389	R-83	MR-734	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	6.67		7.5
90	R-12	MR-735	Salimar	OPC	Chisang Khola	17-Sep-18	24-Sep-18	15-Oct-18	5.47		7.5
91	R-87	MR-736	Salimar	OPC		17-Sep-18	24-Sep-18 24-Sep-18	15-Oct-18 15-Oct-18	6.54		7.5
92	T3L11K	MR-737	Salimar	OPC			24-Sep-18 24-Sep-18	15-Oct-18	5.87		7.5
93	T3L18A	MR-738	Salimar	OPC	of Charlos and the second s		24-Sep-18	15-Oct-18	6.54		7.5
94	R-7	MR-739	Salimar	OPC	and the second se		24-Sep-18	15-Oct-18	6.54		7.5
95	R-85	MR-740	Salimar	OPC			24-Sep-18	15-Oct-18	5.60		7.5
96	R-45	MR-741	Salimar	OPC			25-Sep-18	16-Oct-18	6.00		7.5
97	T3L18A	MR-742	Salimar	OPC			25-Sep-18		6.67		7.5
98	T3L11K	MR-743	Salimar	OPC	and the second se				5.47		7.5
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ZHC (NTE)	ONGHENG C	Contractor ONSTRUCT	TON GRO	DUP LTD	VENTURE	WITH B. ENGINE	Consult: N AUTHOI N. CONSU ERS & ARG THMANDU	RITY (P) L LTANCY I CHITECT	PVT. L	TD ANI)
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								Month		Conto	and he are
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							Descr	iption of San	mla	20 Brick	
				Brand		1		f Testing	1	h, N/mm2	T
S.N.	Location	Lab Ref.no.	Type of Cement	of Cemen	Source of Sand	Date of Casting	7 Days	28 Days		28 Days	Typ of Grad
399	T3L18B	MR-744	Salimar	OPC	Chisang Khola	18-Sep-18	25-Sep-18	16-Oct-18	5.74	-	7.5
400	R-87	MR-745	Salimar	OPC	Chisang Khola		A. I. A.	16-Oct-18			7.5
401	R-85	MR-746	Salimar	OPC	Chisang Khola			16-Oct-18	L		7.5
402	R-12	MR-747	Salimar	OPC	Chisang Khola	-		16-Oct-18	5.60		7.5
403	R-84	MR-748	Salimar	OPC	Chisang Khola			16-Oct-18	6.00		7.5
404	R-83	MR-749	Salimar	OPC	Chisang Khola	18-Sep-18		16-Oct-18	6.67		7.5
405	R-85	MR-750	Salimar	OPC	Chisang Khola			16-Oct-18	5.74		7.5
406	R-84	MR-751	Salimar	OPC	Chisang Khola	18-Sep-18		16-Oct-18	6.54		7.5
407	R-87	MR-752	Salimar	OPC	Chisang Khola	18-Sep-18		16-Oct-18	5.87		7.5
408	R-7	MR-753	Salimar	OPC	Chisang Khola	18-Sep-18		16-Oct-18	6.40		7.5
409	T3L11K	MR-754	Salimar	OPC	Chisang Khola	18-Sep-18		16-Oct-18	5.74		7.5
410	R-45	MR-755	Salimar	OPC	Chisang Khola			16-Oct-18	6.67		7.5
411	R-45	MR-756	Salimar	OPC	Chisang Khola		26-Sep-18	17-Oct-18	5.74		7.5
412	R-7	MR-757	Salimar	OPC	Chisang Khola	19-Sep-18	26-Sep-18	17-Oct-18	6.40		7.5
413	R-45	MR-758	Salimar	OPC	Chisang Khola	19-Sep-18	26-Sep-18	17-Oct-18	6.67		7.5
414	R-87	MR-759	Salimar	OPC	Chisang Khola	19-Sep-18	26-Sep-18	17-Oct-18	6.14		7.5
415	R-85	MR-760	Salimar	OPC	Chisang Khola	19-Sep-18	26-Sep-18	17-Oct-18	6.67		7.5
416	R-83	MR-761	Salimar	OPC	Chisang Khola		26-Sep-18	17-Oct-18	6.80		7.5
417	B2-2	MR-762	Salimar	OPC	Chisang Khola	19-Sep-18	26-Sep-18	17-Oct-18	5.47		7.5
418	R-12	MR-763	Salimar	OPC	Chisang Khola	19-Sep-18	26-Sep-18	17-Oct-18	6.67		7.5
419	R-84	MR-764	Salimar	OPC	Chisang Khola	19-Sep-18	26-Sep-18	17-Oct-18	6.00		7.5
120	R-7	MR-765	Salimar	OPC	Chisang Khola	19-Sep-18	26-Sep-18	17-Oct-18	5.33		7.5
121	R-45	MR-766	Salimar	OPC	Chisang Khola	20-Sep-18	27-Sep-18	18-Oct-18	6.67		7.5
122	R-87	MR-767	Salimar	OPC	Chisang Khola	20-Sep-18	27-Sep-18	18-Oct-18	5.60		7.5
23	R-85	MR-768	Salimar	OPC	Chisan'g Khola	20-Sep-18	27-Sep-18	18-Oct-18	6.40		7.5
124	R-83	MR-769	Salimar	OPC	Chisang Khola	20-Sep-18	27-Sep-18	18-Oct-18	5.87		7.5
26	R-7	MR-770	Salimar	OPC	Chisang Khola	20-Sep-18	27-Sep-18	18-Oct-18	6.40		7.5
27	T3L11K	MR-771	Salimar	OPC	Chisang Khola	20-Sep-18	27-Sep-18	18-Oct-18	6.67		7.5
28	T3L18A	MR-772	Salimar	OPC	Chisang Khola		27-Sep-18	18-Oct-18	5.60		
29	R-84	MR-773	Salimar		Chisang Khola	20-Sep-18	27-Sep-18	18-Oct-18	6.54		7.5
30	R-45	MR-774	Salimar		Chisang Khola	21-Sep-18	28-Sep-18	19-Oct-18	5.33		7.5
31	R-87	MR-775	Salimar			21-Sep-18	28-Sep-18	19-Oct-18	6.67		7.5
32	R-85	MR-776	Salimar			21-Sep-18	28-Sep-18	19-Oct-18	5.60		7.5
33	R-12	MR-777	Salimar			21-Sep-18	28-Sep-18	19-Oct-18	5.87		7.5
34	R-83	MR-778	Salimar			21-Sep-18	28-Sep-18	19-Oct-18	5.74		7.5
35	R-7	MR-779	Salimar		and the second se	21-Sep-18	28-Sep-18	19-Oct-18	5.87		7.5
	(Contractor				1			5.67		1.5
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				Brand		1		f Testing	1	h, N/mm2	Wall
S.N.	Location	Lab Ref.no.	Type of Cement	of Cemen	Source of Sand	Date of Casting	7 Days	28 Days	1245	28 Days	Type of Grad
436	T3L11K	MR-780	Salimar	OPC	Chisang Khola	21-Sep-18	28-Sep-18	19-Oct-18	5.60		7.5
437	R-45	MR-781	Salimar	OPC	Chisang Khola			20-Oct-18	6.54		7.5
438	R-87	MR-782	Salimar	OPC	Chisang Khola			20-Oct-18	6.54		7.5
440	R-85 R-83	MR-783	Salimar	OPC	Chisang Khola	Construction Processing	29-Sep-18	20-Oct-18	5.74		7.5
441	R-03	MR-784 MR-785	Salimar	OPC	Chisang Khola			20-Oct-18	6.27		7.5
442	T3L11K	MR-785 MR-786	Salimar Salimar	OPC	Chisang Khola	the second se		20-Oct-18	5.47		7.5
443	T3L18A	MR-787	Salimar	OPC	Chisang Khola		F	20-Oct-18	6.14		7.5
444	R-84	MR-788	Salimar	OPC	Chisang Khola			20-Oct-18	6.00		7.5
445	R-7	MR-789	Salimar	OPC	Chisang Khola	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		20-Oct-18	6.27		7.5
446	R-45	MR-790	Salimar	OPC OPC	Chisang Khola	The second s	P	20-Oct-18	5.74		7.5
447	R-87	MR-791	Salimar	OPC	Chisang Khola Chisang Khola		30-Sep-18	21-Oct-18	6.67		7.5
448	R-85	MR-792	Salimar	OPC	Chisang Khola	23-Sep-18 23-Sep-18	30-Sep-18	21-Oct-18	6.54		7.5
449	R-83	MR-793	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	6.27		7.5
450	R-12	MR-794	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18 30-Sep-18	21-Oct-18 21-Oct-18	5.60		7.5
451	R-83	MR-795	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18 21-Oct-18	6.54 5.33		7.5
452	R-7	MR-796	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	6.54		7.5
453	R-84	MR-797	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	5.74		7.5
454	T3L11K	MR-798	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	6.00		7.5
455	R-12	MR-799	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	6.67	_	7.5
456	R-84	MR-800	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	6.14		7.5
457	R-45	MR-801	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	5.60		7.5
458 459	R-7	MR-802	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	6.14		7.5
460	R-84 R-83	MR-803	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	5.33		7.5
461	T3L11K	MR-804	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	6.14		7.5
463	R-83	MR-805 MR-806	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	5.47		7.5
164	R-12	MR-807	Salimar Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	6.00		7.5
165	R-84	MR-808	Salimar	OPC	Chisang Khola	23-Sep-18	30-Sep-18	21-Oct-18	5.60		7.5
166	R-45	MR-809	Salimar			23-Sep-18	30-Sep-18	21-Oct-18	5.74		7.5
167	R-83	MR-810	Salimar			23-Sep-18 23-Sep-18	30-Sep-18	21-Oct-18	6.40		7.5
68	R-45	MR-811	Salimar	-	and the second se		30-Sep-18 28-Sep-18	21-Oct-18 19-Oct-18	6.27 5.74	-	7.5 7.5
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ZHO INTEF	NGHENG C	ONSTRUCT ENGINEE	TON GRO RING CO.	UP LTD	VENTURE	WITH B. ENGINE	N. CONSU	CHITECT	PVT. L	TD AN	D
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	4 3	*3		REGION	Bi Co	CBAN ratnaga ontract No SUMMARY	r Metro o:- RUDI	politan P/ICB/BI	City RT-02	PROJEC	T			
											Mont	h	Septe	ember
	Lab			Constitu		-					Year			18
S.N.	Lab Ref.no.	Type of	Tetsing Date		ncy & Setting		Soundness	Fineness	Date of	Date of	f Testing	Streng	th N/mm ²	
1	13	cement		Normal Cons.(%)	Initial(Min)	Final (min)	(mm)	(%)	Casting	7 Days	28 Days	7 days		Remar
2	13	Salimar OPC							4-Aug-18	11-Aug-18	1-Sep-18	, adys	/	Reman
3	14	Salimar OPC Salimar OPC							8-Aug-18	15-Aug-18	5-Sep-18		44.45	
4	15								16-Aug-18	23-Aug-18	13-Sep-18	-	45.38	
5	16	Salimar OPC							19-Aug-18	26-Aug-18	15-Sep-18 16-Sep-18	-	44.56	
6	18 *	Salimar OPC							21-Aug-18	21-Aug-18	and the second s		45.48	
7		Salimar OPC							22-Aug-18	22-Aug-18	18-Sep-18		45.07	
8	19	Salimar OPC							20-Aug-18	23-Aug-18	19-Sep-18	-	45.58	
9	20	Salimar OPC							24-Aug-18	31-Aug-18	17-Sep-18		45.79	
-	21	Salimar OPC	3-Sep-18	29.85	103.00	205.00	2.09	3.24	4-Sep-18	22-Aug-18	21-Sep-18		44.76	4
10	22	Salimar OPC	8-Sep-18	30.00	98.00	210.00	2.13	4.00	9-Sep-18		2-Oct-18	35.52		
11	23	Salimar OPC	15-Sep-18	28.50	121.00	265.00	2.02	3.05	16-Sep-18	23-Aug-18	7-Oct-18	34.90		
12	24	Salimar OPC	22-Sep-18	31.25	117.00	245.00	1.65	2.49	23-Sep-18	23-Aug-18	14-Oct-18	37.14		
	nents:-	Sp.	Limit:		Min-30	Max-600	<10	<10	23-36p-18	30-Sep-18	21-Oct-18	34.72		_
												>33	>43	
		4	Contra	ictor						Consultant	:			
2	ZHONO	GHENG COM E	NGINEERIN		ERNATIO	NAL	BUILDI CONSUL1	NG DESIG ANCY P	VI. LIDAN	RITY (P) LTD D PLUS ENG FHMANDU, 1	INEERS & A	ENTUR	E WITH ECTS (P	[B.N. ') LTD,
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S.n.	Lab.Ref no.	Date of	Location of		1	0	ione Dt. 1	101.0			rater lai	Cane	rete Sand
10.111	Lab.Ref no.	Test	Sample	Source of Sample		177024	ieve Size in	1 mm / % Pa	assing by w	veight		Clay	
1	RUDP-CS-154	1-Sep-18	Madhumara-Yard	Chi with t	10	4.75	2.36	1.18	0.600	0.300	0.150	Contetnt%	Reman
2	RUDP-CS-155	2-Sep-18	R-2	Britteria	100.00		63.90	52.73	27.70	13.94	6.26	1.12	
3	RUDP-CS-156	3-Sep-18	R-74	Chisang Khola	100.00		67.33	51.30	27.64	13.52	7.45	1.80	
4	RUDP-CS-157	4-Sep-18	R-45	Chisang Khola	100.00		79.88	59.93	29.92	19.44	4.23	2.01	
5	RUDP-CS-158	4-Sep-18	T3L18-A	Chisang Khola	100.00		77.04	58.11	29.90	12.46	5.53	1.85	
6	RUDP-CS-159	9-Sep-18	R-6	Chisang Khola	100.00		72.63	50.69	19.68	12.69	7.00	1.85	-
7	RUDP-CS-160	10-Sep-18	T3L11K	Chisang Khola	100.00		83.22	48.75	25.59	14.93	8.03	1.77	
8	RUDP-CS-161	12-Sep-18	Koshi yard	Chisang Khola	100.00		83.65	52.31	29.25	16.28	7.49	1.89	
9	RUDP-CS-162	15-Sep-18	T3L18B	Chisang Khola	100.00	1 0100	86.41	65.26	30.73	13.20	7.35	2.09	
10	RUDP-CS-163	16-Sep-18	T3L39	Chisang Khola	100.00	No. of Concession, Name of Street, or other Designation, or other	76.14	58.12	29.29	14.01	6.29	1.49	
11	RUDP-CS-164	17-Sep-18	R-87	Chisang Khola	100.00	95.03	65.83	49.48	22.67	16.09	5.75	2.08	
12	RUDP-CS-165	18-Sep-18	R-85	Chisang Khola	100.00	94.62	64.96	55.46	22.48	15.30	5.54	1.12	
13	RUDP-CS-166	20-Sep-18	R-12	Chisang Khola	100.00	93.98	65.72	55.85	20.09	14.30	7.49	2.12	
14	RUDP-CS-167	22-Sep-18	R-84	Chisang Khola Chisang Khola	100.00	95.30	68.70	47.20	17.70	11.60	5.25	1.65	
15	RUDP-CS-168	24-Sep-18	R-83	Chisang Khola	100.00	93.52	63.32	43.93	18.70	13.77	6.28	1.98	
16	RUDP-CS-169	24-Sep-18	DDC Yard	Chisang Khola	100.00	94.29	65.36	47.96	20.50	12.68	7.23	1.30	1
17		25-Sep-18	Koshi yard	Chisang Khola	100.00	93.15	61.69	46.37	19.38	13.09	6.75	1.78	
	RUDP-CS-171	25-Sep-18	R-87	Chisang Khola	100.00	91.48	61.64	44.48	20.64	14.47	7.46	2.11	
19	RUDP-CS-172	26-Sep-18	Madhumara-Yard	Chisang Khola	100.0	93.45	61.95	43.7	19.25	11.44	5.14	1.99	
				Spec. Limit :	100.0	94.22	63.87	43.94	21.18	12.17	4.81	1.6	1
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		4		Biratna								
				Contrac								
			S	ummary Sheet of	Monthl	ly Test R	leport o	f 20mm	Agg.			
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									Type of N	fature 1	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	and the second sec
é	Libbe		Location of	1	Ct		101 0		Type of M	aateriai	20 r	nm Agg
S.n.	Lab.Ref no.	Date of Testing	Sample	Source of Sample	40	Size in mn			L.A.A.%	Fl and EI %	A.I.V.%	Remarks
1	RUDP-CA-154	2-Sep-18	R-2	Chisang Khola	100.00	20	10	4.75				Actual KS
2	RUDP-CA-155	2-Sep-18	Madhumara-Yard	Chisang Khola	100.00	96.67	35.27	1.71	28.76	20.43/16.69	17.41	
3	RUDP-CA-156	3-Sep-18	DDC-Yard	Chisang Khola		97.47	38.63	0.97	25.10	19.70/16.30	22.59	
4	RUDP-CA-157	4-Sep-18	R-7	Chisang Khola	100.00	98.37	37.22	1.72	26.96	21.51/19.40	21.67	
5	RUDP-CA-158	5-Sep-18	T3L11K	Chisang Khola	100.00	97.77	32.54	2.61	25.56	21.01/19.60	22.04	
6	RUDP-CA-159	6-Sep-18	R-45	Chisang Khola	100.00	97.32	33.63	3.13	27.56	19.21/17.89	19.85	
-7	RUDP-CA-160	7-Sep-18	R-6	Chisang Khola	100.00	97.02	36.97	4.03	25.02	20.99/17.42	19.53	
8	RUDP-CA-161	8-Sep-18	T3L18A	Chisang Khola	100.00	96.98 96.89	38.00	4.76	26.42	21.51/18.38	20.40	
9	RUDP-CA-162	9-Sep-18	T3L18B	Chisang Khola	100.00	90.89	45.41	5.03	25.72	22.05/18.91	21.11	
10	RUDP-CA-163	12-Sep-18	T3L39.	Chisang Khola	100.00	97.03	37.59	4.22	26.02	23.17/19.45	21.35	
11	RUDP-CA-164	14-Sep-18	R-87	Chisang Khola	100.00	and the second s	37.51	. 3.96	25.76	21.07/19.91	20.58	1
12	RUDP-CA-165	15-Sep-18	R-85	Chisang Khola	100.00	96.17 96.92	35.37	2.01	26.60	20.27/19.77	22.86	
13	RUDP-CA-166	15-Sep-18	R-12	Chisang Khola	100.00	97.29	29.13 31.98	1.89	30.30	18.96/15.54	19.73	
14	RUDP-CA-167	16-Sep-18	R-84	Chisang Khola	100.00	96.12	33.11	2.14	28.22	20.93/17.81	20.74	
15	RUDP-CA-168	17-Sep-18	Madhumara-Yard	Chisang Khola	100.00	97.97	31.96	3.14	26.84	22.09/17.22	20.48	
16	RUDP-CA-169	20-Sep-18	R-83	Chisang Khola	100.00	97.90	37.74	2.94	28.36 29.98	22.25/21.79	19.52	
17	RUDP-CA-170	24-Sep-18	DDC-Yard	Chisang Khola	100.00	96.34	35.46	3.86	30.30	21.39/20.22	21.04	
18	RUDP-CA-171	24-Sep-18	Koshi-Yard	Chisang Khola	100.00	97.60	31.84	3.13	29.72	20.52/18.57 19.48/18.24	22.53	
							01.01	2.10	43.14	19.40/10.24	20.08	
_				Spec. Limit :	100	95~100	25.55	0~10	<35	- 25		
-						75 100	45-55	0~10	~>>	< 25	< 25	
		C	ontractor							Consultant		
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	ZHONGHENG	CONSTRUC	TION GROUP	NTERNATION	AT I	BUII	DING	DESIG	NAUTHO	RITY (P) L1	D IN IOIN	T VENTU
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	Engineer			Contract Man	ager	Oty Engir						wed By
_		the second second second second		Source ivial	agel	Viy Engir	ieer/CSE				Team	Leader



ANNEX-4: SOCIAL SAFEGUARD MONITORING / ENVIRONMENTAL MONITORING FORMATS

Attached



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

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

Month: September 2018

5	Check	dist
	-	

	Checl	klist	
SN	Activity	Description/Present Status (Compliance/Partially Compliance/Non Compliance	Remarks/ Corrective actions for Non- Compliance
1 1.1	Training Health, Safety and EMP trainings and awareness	Yes	
1.2	Others awareness and skill trainings	No	
2 2.1 2.2 2.3 2.4	Occupational health and safety Insurance for workers Personal Protective Equipment (PPE) provided to labors and is using (helmet, facemasks, muffles, gloves, boots, jacket, goggles etc.) Public notification Safety and warning signs and informative signboards in working sites for work safety Use of barricades, caution tape and flag	Yes Daily Provided and is found partially used at site. Partially provided and found unsatisfactory Found unsatisfactory	Contractor has been instructed verbally as well as in written to comply for the use of PPE
3 3.1 3.2 3.3 3.4 3.5	Campsite management Location First aid facilities available at camp and worksites Drinking water supply and sanitation facilities/ pit latrines Waste Disposal and Management facilities Type of fuel used for cooking	DDC, Kanchanbari, Shanti CHowk, Rani Yes Provided but water test not done Tap water/ Hand Pump Yes L.P.G	Contractor instructed to provide hygienic toilet and perform water test as soon as possible.
4 4.1 4.2 4.3	Spoil and Construction material Management Cut and fill balance maintained or not, Reuse of spoil materials Use of safe spoil disposal locations Disturbance to Pedestrian and traffic	Cut & Fill balance maintained Not Applicable No any disturbance to	Contractor has provided the loctions of safe tipping sites



	movement	pedestrians & traffic	
4.4	Use of private land and agreement with	movement	
5	land owners Air, Noise and Water Pollution	Yes	
5.1	Dust emission and Noise pollution sites	Water sprinkled by tanker on such sites.	Not satisfactory
5.2	Water quality monitoring result and locations	On process	
5.3	Block age of natural drainages ,water logging, drain water discharge into farmland/risky areas	Not Applicable	
6	Quarrying of construction materials and Plants Installment		
6.1	Quarry/borrow operation sites	Not Applicable	
6.2	Crusher plant and Asphalt plant operation restoration	Asphalt Plant	
7	Impact/Disruption of Private properties		
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		1.00
9	Sites for cultural and religious values	Not Applicable	
9.1	Cultural and religious sensitive spots (if any)	Not Applicable	
10	Forest and vegetation		
10.1	Number of trees removal	No	
10.2	No of tree plantation (Roadside)	Not Applicable	
11	Accident cases and records	No any records	
12 12.1	Employment to local people Men and women	Yes, both men and women	
12.2	Child labor (if any)	No	
13	Establishment of Safeguard desk and meeting	Yes	
14	Grievances from local people and addressed	Yes	



1.General inform				mai oi	ban De	velopm	ent Pro	oject(R	UDP)				
						uard							
					-	of Socia			U				
Subproject: -RUD		BPT/2				Month/	Voar: -	Sont 20	18				
Name of Contrac			NG Con	structio		wonthy	rear.	5000	10				
GroupInternation	nal Engi	neering C	o pvt B	eijing C	Chaina.		С	ontract	Packag	e: RUDP	/ICB/BI	RT/2	
							,						
2.Total numbers	of cont	ractor wo	Camp-1	Camp-2	Camp-3	Camp-4	Camp-5	Camp-6	Camp-7	Camp-8	Camp-9	Camp-10	
Type of Workers			(Madhu mara)	(Koshi Yard)	(DDC)	(Abbul)	(Dinesh+ company	(Jeevan+ Dipen)	(Jalauddi n)	(Abbas+R oshan)	(Arun)	(Nitin+An wer)	Remarks
Local		Male	0	0	0	12	0	10	16	31	0	34	103
Local		Female	0	0	0	0	0	0	0	2	0	2	4
Non-Local		Male	37	40	37	26	30	19	0	0	15	0	204
		Female	0	4	0	3	0	0	0	0	0	0	7
Child Labou	ır	Male	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0
3. Source and ad	equacy	of drinkir	ig wate	r facility	y in the	labour c	amp(us	e code)					
Sources		camp-1	Camp-2	Camp-3	Camp-4	Camp-5	Camp-6	Camp-7	Camp-8	Camp-9	Camp-10	Re	marks
a. Piped water		2	2	1	2	3	2	1	3	2	3		21
b.Well/Spring		1	1	1	1	1	-	1		-	1		7
c.Tanker													
d										1.4			
Code:						_							
4. Type and num	ber of t	oilets in t	he labo	ur cam	p (write	down th	ne num	ber)					
											-		
Туре	Camp-1	Camp-2	Camp-3	Camp-4	Camp-5	Camp-6	Camp-7	Camp-8	Camp-9	Camp-10		Remark	S
a.Pit Latrine	Ξ.	-	1 - E	-	-	-	-	-					
b.Pan	2	2	2	3	3	2	2	2	2	3		23	1.1
c.Open													
d											-		
5. Energy used in	1 labour	camp (tio	k mark)									
Sources of Ener	Camp-1	Camp-2	Camp-3	Camp-4	Camp-5	Camp-6	Camp-7	Camp-8	Camp-9	Camp-10		Remark	5
a. Firewood													1



Regional Urban Development Project (RUDP) Social Safeguard Monitoring <u>Status of Key Social Issues Compliance</u>

Subproject Road : -RUDP/ICB/BRT/2

Month/Year: Sept 2018

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

Contract Package: RUDP/ICB/BRT/2

	1941	Co	mpliance Sta	atus	Incolorization	Note of	
S.N	Key Social Issuse		-		Implementing Agency	Note of Remarks	Deadline
		Full	Partial	None	Agency	Remarks	
1	Availability of drinking water services	\checkmark					
2	Availability of toilet facility in campsite	\checkmark					
3	Legal source of fuel wood use			V			
4	Legal document of fuel wood source			V			
5	Use of safety accessories	\checkmark					
6	Availability of first aid facility	V					
7	Basic wage rate to construction workers	V					
8	Equal wage rate to male and female workers		V				
9	Compensation of temporarily occupied land	V					
10	Compensation of temporarily occupied buildings	V					
11	Legal document of temporarily occupied assets	V					
12	Non use of child labour in construction activities	V					

Prepared by:

Verified by:

Monitored by:

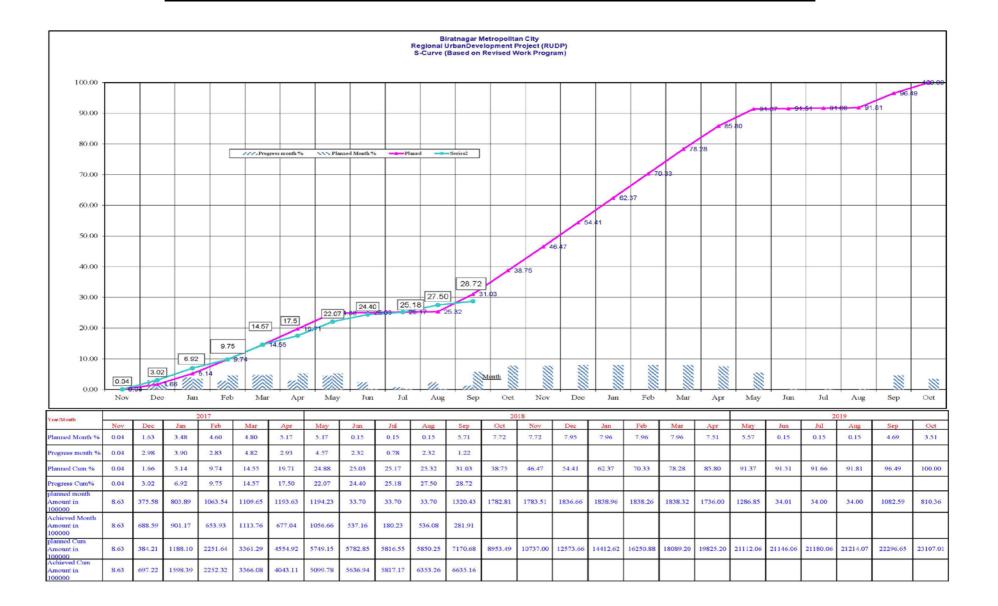


ANNEX-5: S-CURVE Attached



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<u>May, 2018</u>



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MASTER PLAN OF RUDP PROJECT



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