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



November2020 Biratnagar Metropolitan City (BMC), Nepal

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EXECUTIVE SUMMARY

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

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



1. PROJECT DESCRIPTION

1.1. INTRODUCTION/BACKGROUND

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

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

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



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

General Features								
Name of Project	Regional Urban Development Project(RUDP)							
	Government of Nepal,							
Executing Agency	Ministry of Urban Development							
	Department of Urban Development and Building Construction (DUDBC)							
Implementing Agency	Biratnagar Metropolitan City, Biratnagar							
Funded By	Asian Development Bank & Government of Nepal							
Package	Construction and Completion of Sewerage, Drainage, Road, Footpath and Road furniture works							
Contract No.	RUDP/ICB/BRT/2							
Location	Biratnagar Metropolitan City, Biratnagar							
The Consultant:								
Consultant	Building Design Authority (P) LTD in Joint Venture With B.N. consultancy Pvt and PLUS Engineers and Architects (P) Ltd Kathmandu.							
Date of Sign of Design and Supervision Consulting Service	28 th August 2017							
Date of Commencement of Design and Supervision Consulting Service	6 th September 2017							
Date of Completion	5th September 2020							
Revised Date of Completion	26 th February 2022 including DNP & Final Discharge							
The Contractor:								
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							
Revised Date of Completion	28 th December 2020							
Contract Amount including PS and VAT	NRs. 2,611,092,249.63							



General Features							
Contract Amount including PS and VAT (After arithmetic correction)	NRs. 2,611,088,390.60						
Additional Financing 100% funded by BMC after VO-2 (provisional items)	NRs. 39,999,966.94						
Revised Contract Amount including PS and VAT	NRs. 2, 988,389,581.81 (excluding Additional Financing 100% funded by BMC NRs. 39,999,966.94).						
Progress							
Road Rehabilitation (Asphalt)	88.50%						
Sewer Line	100%						
Storm Drain	100%						
Road Side Drain	100%						
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.						
	Planned: 96.93%,Actual: 88.69%; Lead (+) or Lag (-) by(-)8.24 %;						
Physical Progress up to date	 Work progress is lagging due to pandemic "COVID – 19" as Cases of COVID-19 has continued to surge along with fatalities in the region 						
Financial Progress up to date (on the	In Percentage: 84.78% , In Figure: NRs. 2,533,609,916.27 (including VAT and PS) up to IPC –18 wrt to VO-2.						
basis of IPC forwarded for disbursement)	In Words: NRs. Two Billion Five Hundred Thirty Three Millions Six Hundred Nine Thousand Nine Hundred Sixteen and Twenty Seven Paisa Only.						



3. SUMMARY OF PROGRESS STATUS OF ALL MAJOR COMPONENTS

S.No	Description	Unit	Revised Quantity	Progress up to date	Remaining	Progress Status expressed in (%)	Remarks
1	Sewer Line						
a	HDPE/RCC	m	18,559.80	18,559.80	0.00	100.00%	
b	Manhole	No.	606	606	0.00	100.00%	w.r.t VO-2
c	Sewer Inlet	No.	1,010.00	564	446.00	55.84%	r.t V
d	House Connection	No.	3,784.00	2,512.00	1,272.00	66.38%	W
	[
2	Storm Water D	rain					
a	RCC Drain	m	585	585	-	100.00%	V0-2
b	Piles	No.	138	138	-	100.00%	w.r.t VO-2
3	Road	r					
a	Subgrade	m	74,573.60	69,478.73	5,094.87	93.17%	
b	Subbase	m	74,573.60	68,973.73	5,599.87	92.49%	-2
c	Base	m	74,573.60	68,158.69	6,414.91	91.40%	w.r.t VO-2
d	Prime	m	74,573.60	66,197.69	8,375.91	88.77%	I.W
e	Asphalt	m	74,573.60	65,997.69	8,575.91	88.50%	
4	Road Side Drain	m	39,200.69	39,122.11	78.58	99.79%	Wrt VO-2



3.1. SUB PROJECT COMPONENTS

3.1.1. SEWER LINES

Trunk Line T1 & T2 were already completed in STIUEIP (Secondary Town Integrated Urban Environmental Improvement Project). But after various discussion, formal communication & meetings with representatives of BMC, PIU, representatives of Department of Road & representatives of six lane's contractor regarding timely execution and completion of rectification, raising, repair, maintenance, placement of missing CI covers and cleansing works of sewer system in N-S Highway (Six lanes) which damaged by the contractor of six lane highway. Yet no further progresses have been observed towards repair & maintenance works of sewer lines at N-S Highway which certainly have an effect on the successful completion of the project. The SI & HCC works are in progress also the maintenance work of sewer lines, sewer inlet and house chamber connections are in progress where required as per instruction. Details of all major components of the project are as illustrated in Table – 1 below.

Moreover, The Progress of sewer lines is as tabulated below in Table-2:-



-

S. No.	Description	Unit	Revised Quantity (After VO-2)
1	Sewerage Pipe Supply and Installation	m	18,559.80
	Reinforced Concrete Pipe laying and jointing		1,967.50
	Line T2 (Secondary)	m	205.00
	Line T3 (Trunk)	m	1,632.50
	Line T4 (Trunk)	m	130.00
	HDPE laying and jointing	m	16,592.30
	Line T1 (Secondary)	m	1,743.20
	Line T2 (Secondary)	m	3,153.40
	Line T3 (Secondary)	m	9,643.80
	Line T4 (Secondary)	m	2,051.90
2	Manhole (Brick / RCC)	no.	606.00
3	Sewer Inlet	no.	1,010.00
4	House Connection	no.	3,784.00
5	Reinstatement of Roads	km	74.57
6	Road side Drain	Km	39.20
7	Storm Water Drain	m	585.00

Table 1: PROPOSED ALL MAJOR COMPONENTS OF THE PROJECT



Table: - 2 PHYSICAL PROGRESS IN SEWER LINES till date

		Revised Q	uantity	Up to Pre	Month	This	month	Total to	D	
SN	Description	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Progress %
Hume Pipe:										
1	Hume pipe (T2)	205.00	6.00	205.00	6.00			205.00	6.00	
2	Hume pipe (T3)	1,632.50	25.00	1,632.50	25.00			1,632.50	25.00	
3	Hume Pipe (T4)	130.00	4.00	130.00	4.00			130.00	4.00	
Subtotal in (1	m)	1,967.50	35.00	1,967.50	35.00	-	-	1,967.50	35.00	
HDPE Pipe:										
1	HDPE (T1)	1,743.20	54.00	1,743.20	54.00			1,743.20	54.00	
2	HDPE (T2)	3,153.40	121.00	3,153.40	121.00			3,153.40	121.00	
3	HDPE (T3)	9,643.80	340.00	9,543.80	338.00			9,543.80	338.00	
4	HDPE (T4)	2,051.90	56.00	2,051.90	56.00			2,051.90	56.00	
Subtotal in (m)		16,592.30	571.00	16,492.30	569.00	-	-	16,492.30	569.00	
Total		18,559.80	606.00	18,459.80	604.00	-	-	18,459.80	604.00	99.46%



SN	Description	Revised Quantity	Up to Pre Month	This month	Total to date in Nos.	Progress %
1	Sewer inlet	1,010.00	564.00	-	564.00	55.84
2	House connection	3,784.00	2,465.00	47.00	2,512.00	66.38



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 and is in full function. The detail of the progress is shown in the table 3:

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

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 74.57 km as per VO-02.Most of the roads of the project have been completed and some of them are in the process of being upgraded.

Out of 74.57 km. about 69.50 Km. has been attempted. About 66.00 Km. Asphalt work has been completed. The summary of physical progress of flexible pavement, rigid pavement and foot paths areas tabulated in Table 4, 4.1 & 4.2 below: -



			Length in m Work Completed								S
SN	Road Number	Name of	Progress			Sub-base	Base	Asphalt	RCC	Paint	ark
21	Koad Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
1	R42	Bhagwati Marg	229		229	229	229	229			
2	R5	College Road	594		594	594	594	594			
3	R5	Chulachuli Road	230		230	230	230	230			
4	R5	Transprtation Line	377.2		377.2	377.2	377.2	377.2			
5	R65	Satghumti Marg	320		320	320					
6	R107		167		167	167	167	167			
7	R104	VIP Marg	275		275	275	275	275			
8	R8(R3 to Devkota)	Madhumara Marg	920		920	920	920	920		600	
9	B1	Kanchan Marg	1,181.10		1181.1	1,181.10	1,181.10	1,181.10		1,106.00	
10	R21	Pratibha Marg	1,490.10		1490.1	1,490.10	1,490.10	1,490.10		1,012.80	
11	В3	Keshaliya Marg	1,623.20		1623.2	1,623.20	1,623.20	1,623.20			

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



			Length in m			Work Completed					S
SN	Road Number	Name of	Progress			Sub-base	Base	Asphalt	RCC	Paint	ark
DIN.	Koau Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
12	S13		1,724.20		1724.2	1,724.20	1,724.20	1,724.20		1,812.60	
13	R12	Brikuti to Keshalya	844.20		844.2	844.20	844.20	844.20		844.20	
14	R12	Kanchha Dai Marg	900		900	900	900	700			
15	Rani site	Rani	3,725.15		3725.15	3,725.15	3,725.15	3,725.15			
16	R16	Satya Marg	583.9		583.9	583.9	583.9	583.9		583.9	
17	R26	Pasang Marg	602.3		602.3	602.3	602.3	602.3		602.3	
18	R28	Pustakalaya Marg	606.1		606.1	606.1	606.1	606.1		606.1	
19	R27	Peepal Marg	794.7		794.7	794.7	794.7	794.7		639.2	
20	R25	Devi Marg	592.3		592.3	592.3	592.3	592.3			
21	R24	Prabhat Marg	382.9		382.9	382.9	382.9	382.9			
22	R37	Banglamukhi Marg	470.5		470.5	470.5	470.5	470.5			
23	R7	R25 to R27	152.57		152.57	152.57	152.57	152.57			



			Ι	length in n	n		Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
511	Koau Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
24	R7	R21 to R25	267		267	267	267	267			
25	R30	Shanti Marg	348.6		348.6	348.6	348.6	348.6			
26	R9	Fadindra Marg	119		119	119	119	119			
27	R9(R37 to R41)		254.6		254.6	254.6	254.6	254.6			
28	S11	Samrat Marg	502.6		502.6	502.6	502.6	502.6		504.6	
29	R22	Amar Marga	373.5		373.5	373.5	373.5	373.5			
30	R29	Shanti Marg	879.6		879.6	879.6	879.6	879.6		585.6	
31	R36	Gaurav Marg	221.1		221.1	221.1	221.1	221.1		440	
32	R33	Tarun Marg	282.5		282.5	282.5	282.5	282.5			
33	R8	R29 to N36)	226.9		226.9	226.9	226.9	226.9			
34	N36		184		184	184	184	184			
35	R188	Shakti Marg	115.1		115.1	115.1	115.1	115.1			
36	R2	Main Road	3,116.10		3116.1	3,116.10	3,116.10	3,116.10		4350	



			I	length in n	n		Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
514	Koau Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
37	T3 Line 6A	Pandit Meghnath Marg	279.3		279.3	279.3	279.3	279.3			
38	R63 (DSP Road)	DSP Road	424		424	424	424	424			
39	R90	Shakti Marg	449.3		449.3	449.3	449.3	449.3		640	
40	R77	Arniko Marg	87.7		87.7	87.7	87.7	87.7		87.7	
41	R76	Mitra Marg	275.6		275.6	275.6	275.6	275.6		541.2	
42	R183	Nava Jyoti Marg	217.2		217.2	217.2	217.2	217.2		217.2	
43	T1 L16B	Xenial Front	203.7		203.7	203.7	203.7	203.7		203.7	
44	T1L16A	Xenial South	165.7		165.7	165.7	165.7	165.7		165.7	
45	R114	Dharanidhar Marg	569		569	569	569	569		560	
46	R113	Kavi Lekh Marg	746.2		746.2	746.2	746.2	746.2			
47	R3	Dharamban Marg	2,254.10		2254.1	2,254.10	2,254.10	2,254.10		2,080.30	



			Length in m f Progress				Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
511	Koau Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
48	R3 -(T3 Family pl DUDBC)	anning to	337		337	337	337	337			
49	R84	West of school	237		237	237	237	237		237	
50	R84		248.9		248.9	248.9	248.9	248.9		248.9	
51	R85	Machha Line	153.8		153.8	153.8	153.8	153.8		153.8	
52	R87	Mahabir Chowk	234.2		234.2	234.2	234.2	234.2		234.2	
53	R86	Petrol pump side -R12	191.5		191.5	191.5	191.5	191.5		191.5	
54	R11	R18/R86	204.1		204.1	204.1	204.1	204.1			
55	N3	Jatuwa	122		122	122	122	122			
56	N3	Janani Marga	280		280	280	280	280			
57	N4(R16 to R21)	Jatuwa	168.8		168.8	168.8	168.8	168.8			
58	R10	R35 to R76	670.8		670.8	670.8	670.8	670.8		853.2	
59	T2L26F	APF	55		55	55	55	55			
60	T2L27		75		75	75	75	75			
61	R122		251		251	251	251	251		497.4	



			I	ength in n	n		Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
511	Koau Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
62	N9		222.6		222.6	222.6	222.6	222.6			
63	R17		374		374	374	374	374		730	
64	R18		387.3		387.3	387.3	387.3	387.3			
65	N2		117		117	117	117	117			
66	T3L6	Moti marga	158.3		158.3	158.3	158.3	158.3		158.3	
67	T3L6	CDO Office front	49.4		49.4	49.4	49.4	49.4		49.4	
68	R45	Bata road	510.7		510.7	510.7	510.7	510.7			
69	T3L21		547		547	547	547	547		774	
70	N5	R16 to R18	67.2		67.2	67.2	67.2	67.2		122	
71	T3L39		340		340	340	340	340		491	
72	T3L39A		138		138	138	138	138		179.4	
73	T3L39B		60		60	60	60	60		117.6	
74		Milan Marga	130		130	130	130	130			
75	R68 - T2L24G		218		218	218	218	218			
76	N10		194		194	194	194	194			
77	T3L24C &D	Hanuman Das Road	200		200	200	200	200			



			I	length in n	n		Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
511	Koad Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
78	R6(N2 to R41)		1,832.80		1832.8	1,832.80	1,832.80	1,832.80			
79	N24		144		144	144	144	144			
80	R31		189.2		189.2	189.2	189.2	189.2			
81	N27	Bindabasini Marga	354		354	354	354	354			
82	R73 (R2 to R5)		217		217	217	217	217			
83	R6 (R41-R44)	Bata Galli	269		269	269	269	269			
84	R9 (T3Line11K)		194.8		194.8	194.8	194.8	194.8			
85	R44	Thakurbari Road	727.1		727.1	727.1	727.1	727.1			
86	R102	Main	140		140	140	140	140			
87	R102	Branch	71.3		71.3	71.3	71.3	71.3			
88	R103		171.3		171.3	171.3	171.3	171.3			
89	R32		189.2		189.2	189.2	189.2	189.2			
90	T2L18Y		116.2		116.2	116.2	116.2	116.2			
91	R20		108		108	108	108	108			
92	R82 (T1Line5)	Everest School	522.8		522.8	522.8	522.8	522.8		522.8	
93	T1L5A		171.9		171.9	171.9	171.9	171.9		171.9	



			Length in m Progress				Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
511	Koau Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
94	T3L23C	North to Jay Nepal	87		87	87	87	87		87	
95	T3L25B		285		285	285	285	285			
96	T3L25C		140		140	140	140	140			
97	R3(T3 Trunk)	Tinpaini to Sanihat	680		680	680	680	680			
98	Nagmandir to R3		55		55	55	55	55		55	
99	R4		960		960	960	960	960			
100	R75		137		137	137	137	137			
101	R43		329.4		329.4	329.4	329.4	329.4		329.4	
102	T219P		124.8		124.8	124.8	124.8	124.8		124.8	
103	T219Q		113.7		113.7	113.7	113.7	113.7		113.7	
104	R106		195		195	195	195	195			
105	T3L12		80		80	80	80	80			
106	R46		610		610	610	610	610		610	
107	T3L11E		124.55		124.55	124.55	124.55	124.55		124.55	
108	T3L13D		70		70	70	70	70		70	
109	T3L13C		102		102	102	102	102		102	
110	R34		157.4		157.4	157.4	157.4	157.4			
111	T3L13E		64		64	64	64	64		64	
112	T3L13K		76		76	76	76	76		76	



			Length in mProgress				Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
DIN	Koau Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
113	R19		228		228	228	228	228		228	
114	R41		540		540	540	540	540		540	
115	R9B		83.85		83.85	83.85	83.85	83.85		83.85	
116	R67		119.4		119.4	119.4	119.4	119.4			
117	R74		95		95	95	95	95			
118	R9A		109		109	109	109	109			
119	T2L19F		120		120	120	117.2	117.2			
120	T3L7A		190		190	190	158	158			
121	T3L13F		75		75	75	75	75			
122	T3L11M		85		85	85	85	85		85	
123	T3L33A (N7)		135		135	135	135	135			
124	R35		142.5		142.5	142.5	142.5	142.5			
125	R83		130		130	130	130	130			
126	R105		174		174	174	174	174			
127	R15		194		194	194	194	194			
128	R181A		196		196	196	196	196			
129	N38		358		358	358	358	358			
130	T2L26E	Bhanu Tole	107		107	107	107	107			
131	T2L19G		63		63	63	63	63			
132	T3L19H		84		84	84	84	84			
133	T2L19V		90		90	90	90	90			
134	T2L19Y		110		110	110	110	110			



			Length in m Progress		n		Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
511	Koad Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
135	T2L19Z		64		64	64	64	64			
136	R110		255		255	255	255	255			
137	T2L18A		97		97	97	97	97			
138	B2		2584.65		2584.65	2584.65	2584.65	2584.65	210	2584.65	
139	R7	Sani Haat Chowk to Hospital	746.8		746.8	746.8	746.8	746.8		746.8	
140	R7	(R46-R44) Shree Hospital	155		155	155	155	155			
141	T3 Line18A	Nearby Neuro parking	79.32		79.32	79.32	79.32	79.32		79.32	
142	T3L21A	Milan Chowk	123.4		123.4	123.4	123.4	123.4			
143	T3L18C		103		103	103	103	103			
144	R39	Sansari Maisthan	180		180	180	180	180			
145	R40		330.6		330.6	330.6	330.6	330.6			
146	R101		270		270	270	270	270			



			Ι	ength in n	n		Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
511	Koau Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
147	T3Line5	Sanihat to Nagarpalika	285		285	285	285	285			
148	R7(R21 to R18)		68		68	68	68	68			
149	R7(R25 to R27		155		155	155	155	155			
150	R9(R37 to R30)		219.6		219.6	219.6	219.6	219.6			
151	N8		166.9		166.9	166.9	166.9	166.9			
152	R7		983		983	983	983	983			
153	R5		110		110	110	110	110			
154	T2Line11N		65		65	65	65	65			
155	R6	Siddhartha to R46	185		185	185	185	185			
156	R100 (T2Line 22B)		150		150	150	150	150			
157	T3 Trunk Line	Devkota to Family Planning	340		340	340	340	340			
158	T3Line25A		302		302	302	302	302			
159	T3 Line23C		90		90	90	90	90		90	



			Ι	length in n	n		Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
511	Koau Tumber	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
160	R10		180		180						
161	T2 Line18K		76		76	76	76	76			
162	R47	Matrika Marga	322		322	322	322	322			
163	T3 Line22 (Devkota chowk to NRB		190		190	190	190	190		190	
164	R26	east of R3	324		324	324	324	324		324	
165	R27	east of R3	186		186	186	186	186		186	
166	N33	Parichaya Marga	194.5		194.5	194.5	194.5	194.5			
167	T3Line10C	Green cross Line	150		150	150	150	150			
168	N23		75		75	75	75	75			
169	R10		181		181	181	181	181			
170	R15		340		340	340	340	340			
171	T3 Trunk	DUDBC off to Sanihat	231.7		231.7	231.7	231.7	231.7			



			I	length in n	n		Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
511	Koau Tumber	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
172	R16	East of Dharambad	218.1		218.1	218.1	218.1	218.1			
173	T3Line10	Green cross Line	184.2		184.2	184.2	184.2	184.2			
174	T2Line19B	Jaycess Marga	148		148	148	148	148			
175	T3Line13C	Kumari Mill Line	229.3		229.3	229.3	229.3	229.3			
176	T2Line22A	Indreni Marga	382		382	382	382	382			
177	T2Line19W	Near Parichaya Marga	58.8		58.8	58.8	58.8	58.8			
178	R64		123		123	123	123	123			
179	R6	Shital Yadav Clinic Road	180		180	180	180	180			
180	R11	Om Shanti Marga	317		317	317	317	317			
181	R17	Dharambad East	230		230	230	230	230			



			Ι	ength in n	n		Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
211	Koad Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
182	R23		227		227	227	227	227			
183	R13		226		226	226	226	226			
184	T2Line18D(N19)		80		80	80	80	80			
185	T2Line19K		205		205	205	205	205			
186	T1Line7A		75		75	75	75	75			
187	T1Line7B		86		86	86	86	86			
188	T1Line7C		70		70	70	70	70			
189	T1Line 8C		76		76	76	76	76			
190	T1Line8B		155		155	155	155	155			
191	R70		216		216	216	216	70			
192	R4		1200		1200	1200	1200	260			
193	R83		370		370	370	370	370			
194	R5(Satghumti to Mahabir)		200		200	200	200	200			
195	R71		105		105	105	105	105			
196	T1Line 17		85		85	85					
197	T1Line16		215		215	215	215				
198	T3Line7		120		120	120	120	120			
199	T3Line26E			250	250	250	250	250			
200	T3Line26H			55	55						
201	R7(R28-R29)			200	200	200					
202	R4 Branch			200	200	200	200				



		_	Length in m				Work Completed				
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
511	Road Number	RoadPreviousThisTotalMonthm	m	m	m	m	m	Rem			
203	N34			175.24	175.24	175.24					
204	R6			460	460	460	460				
205	Ghoghapaini			270	270						
	Total		67,868.49	1,610.24	69,478.73	68,973.73	68,158.69	65,997.69	210.00	30,809.57	



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

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



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



				Progress in	m		Footpath		
SN	Road Number	Туре*	Previous	This Month	Cumulative	Length (m)	Avg. Breadth (m)	Quantity (m ²⁾	Remarks
36	В3	Precast block	1,160.00		1,160.00	1,160.00	2.33	2,697.00	RHS
37	В3	Precast block	670.00		670.00	670.00	0.70	469.00	LHS
38	S11	Precast block	112.00		112.00	112.00	0.95	106.40	RHS
39	S11	Precast block	75.00		75.00	75.00	1.21	90.75	LHS
40	Rani	Precast block	425.00		425.00	425.00	1.00	425.00	RHS
41	Rani	Precast block	425.00		425.00	425.00	1.00	425.00	LHS
42	R3	Precast block	310.00		310.00	310.00	1.10	341.00	RHS
43	R3	Precast block	1,050.00		1,050.00	1,050.00	1.10	1,155.00	LHS
44	R27	Precast block	400.00		400.00	400.00	1.10	440.00	RHS
45	R27	Precast block	400.00		400.00	400.00	0.85	340.00	LHS
46	R26	Precast block	300.00		300.00	300.00	1.23	369.00	RHS
47	R26	Precast block	285.00		285.00	285.00	1.10	313.50	LHS
48	R25	Precast block	205.00		205.00	205.00	1.00	205.00	RHS
49	R25	Precast block	201.00		201.00	201.00	1.00	201.00	LHS
50	R7			300	300	300.00	1.00	300.00	LHS
	Total =		18,547.00		18,847.00	18,847.00		21,840.10	



SN	Description Unit Revised		Total Up to Previous Month	This Month	Total Up to this Month	Progress	
1	Sub grade	m	74,573.60	67,868.49	1,610.24	69,478.73	93.17%
2	Sub Base	m	74,573.60	67,653.49	1,320.24	68,973.73	92.49%
3	Base	m	74,573.60	65,842.69	2,316.00	68,158.69	91.40%
4	Prime/Tack	m	74,573.60	64,932.69	1,265.00	66,197.69	88.77%
5	Asphalt	m	74,573.60	64,732.69	1,265.00	65,997.69	88.50%

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

3.1.4. ROAD SIDE DRAIN

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

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

					Length in m	l		Work Co	mpleted	S
SN	Road	Name of			Prog	gress		Brick	RCC	lark
51	Number	Road	Original Revised	Previous	This Month	Total	m	m	Remarks	
1	B1	Kanchan Marg	-	-	45.00		45.00	45.00		
2	R29	Shanti Marg	270.00		256.52		256.52	256.52		
3	N36				185.88		185.88	185.88		
4	R8		370.00		219.83		219.83	219.83		
5	R7	Devi Marg and Pipal Marg	155.00	155.00	89.76		89.76	89.76		
6	R63	DSP Road	418.79		418.79		418.79	418.79		
7	R9	Baglamukhi path	120.00	103.20	103.20		103.20	103.20		



					Length in m	1		Work Co	mpleted	s
SN	Road	Name of			Prog	ress		Brick	RCC	lark
514	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
8	S13	Udaya Marga	-	158.10	79.05		79.05	79.05		
9	N33		_	70.00	60.00		60.00	60.00		
10	R28	Pustakalaya Marg	340.00	278.00	139.00		139.00	139.00		
11	R90	Shakti Marg	320.00		377.30		377.30	377.30		
12	R114	Dharanidhar Marg	-	312.33	312.33		312.33	312.33		
13	R11	Om Shiv Marg	-		204.25		204.25	204.25		
14	R18		-	382.50	389.50		389.50	389.50		
15	R17		-		372.00		372.00	372.00		
16	R113	Kavi Lekhnath Marg	-	312.45	157.15		157.15	157.15		
17	R77	Arniko Marg	97.00		80.00		80.00	80.00		
18	R76	Mitra Marg	272.00	275.00	270.00		270.00	270.00		
19	N9	Devi Marga	-		222.58		222.58	222.58		
20	N4		-	170.00	162.20		162.20	162.20		
21	R33	Tarun Marg	-	265.00	283.15		283.15	283.15		
22	R36	Gaurav Marg	218.00		221.80		221.80	221.80		
23	R86	Janpath Marg	215.00		192.15		192.15	192.15		
24	R183	Nava Jyoti Marg	242.00		219.40		219.40	219.40		
25	R7a		77.81		67.35		67.35	67.35		
26	Rani site	Rani B	-	650.00	365.33		365.33	365.33		
27	Rani site	Rani A	-	300.00	271.50		271.50	271.50		
28	N3		-		126.25		126.25	126.25		
29	N5		-		65.00		65.00	65.00		
30	R21	Binayak Marga	-	390.00	194.13		194.13	194.13		
31	R2	Main Road	2,060.00	2,060.00	2,793.50		2,793.50	2,793.50		



					Length in m	1		Work Co	mpleted	s
CN	Road	Name of			Prog	ress		Brick	RCC	ark
SN	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
32	T1L16B	Xenial Front	-		205.68		205.68	205.68		
33	T1L16A	Xenial South	-	160.00	160.74		160.74	160.74		
34	R75	Tintoliya Marga	135.00	135.00	143.00		143.00	143.00		
35	R122	Amar Marga	-		256.00		256.00	256.00		
36	R18 Branch		-	30.00	30.00		30.00	30.00		
37	R7(b)(Neuro to sidhartha chowk)	Siddhartha Marga	317.00	317.00	365.00		365.00	365.00		
38	R12	Sukra Path	-		846.50		846.50	846.50		
39	R42	Jahada Marga	-		85.50		85.50	85.50		
40	R6	Shahi Marg	460.00		970.00		970.00		970.00	
41	R21(a)	DharamBadh Junction	-	160.00	95.00		95.00	95.00		
42	R188	Shakti Marg		120.00	115.60		115.60	115.60		
43	R40	Brahma Kumari Marga	-		328.20		328.20	328.20		
44	Rani Site C		-	100.00	97.50		97.50	97.50		
45	Ranit Site D		-	131.45	131.45		131.45	131.45		
46	T3L21	Moti Marga	380.00	380.00	527.00		527.00	527.00		
47	T3L39	Gaheli Marga	-	278.00	340.00		340.00	340.00		
48	T3 Line 39A		-	90.00	139.00		139.00	139.00		
49	T3 L39B		-	-	58.50		58.50	58.50		
50	T2L27	Bhumi Prashasan Junction	92.00	80.00	79.50		79.50	79.50		
51	N2				103.20		103.20	103.20		
52	T2 Line 26E	College Road	80.00	80.00	90.00		90.00	90.00		
53	T2 Line 18C	Maisthan Marga	-	105.00	102.00		102.00	102.00		
54	T2Line 18A	Makalu Marga	90.00		90.00		90.00	90.00		
55	R6 (T3L11i)		-	275.00	265.00		265.00	265.00		



					Length in m	1		Work Co	mpleted	S
SN	Road	Name of			Prog	ress		Brick	RCC	ark
21	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
56	R9 (T3L11k)	Tathasthu Marga	-	200.00	180.00		180.00	180.00		
57	R45 (T3Line10D)	Dadhiram Marga	302.00	302.00	298.00		298.00	298.00		
58	R9, T2 L19	Fanindra Marga and Banglamukhi Marga	256.00	256.00	362.00		362.00	362.00		
59	R7c (Neuro to Shanti Chowk	Siddhartha Marga	240.00		600.00		600.00	600.00		
60	R84	School Marga and Tenjing Marga	673.00		560.00		560.00	560.00		
61	R85	Lekhanath Marga	162.00		150.00		150.00	150.00		
62	R87	Byas Marga	160.00		150.00		150.00	150.00		
63	Rani B (Bus park)		-	120.00	90.00		90.00	90.00		
64	R8(a)	Madhumara Marg	218.00		312.00		312.00	312.00		
65	T3L23A, R101		263.47	263.47	220.00		220.00	220.00		
66	Rani E		85.00	85.00	80.00		80.00	80.00		
67	R102	Hamro Marg			140.00		140.00	140.00		
68	R10/R10a	Ram Marga	1,092.41		740.36		740.36	740.36		
69	N10	APF	154.48	154.48	193.00		193.00	193.00		
70	R23	Bani Marg	226.12	226.12	200.00		200.00	200.00		
71	R103	Vibuti Marga	173.00	173.00	170.00		170.00	170.00		
72	T3L6 and T3L7	Sahid Marga		350.00	730.00		730.00	730.00		
73	P1, T3L6A	Pandit Meghnath Marga	280.00	280.00	260.00		260.00	260.00		
74	T2 L24C & D	Hanuman Das Marga	176.93	176.93	180.00		180.00	180.00		
75	T2 L25 (R5)	Chulachuli Marga	409.00	409.00	230.00		230.00	230.00		
76	R20		190.00	190.00	108.00		108.00	108.00		
77	T2L24F		120.00	120.00	115.50		115.50	115.50		



Regional Urban Development Project (RUDP)

					Length in m	1		Work Co	mpleted	s
SN	Road	Name of			Prog	ress		Brick	RCC	ıark
SIV	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
78	R105		168.19	168.19	86.00		86.00	86.00		
79	R34	Prabhu Marg	151.00	151.00	158.35		158.35	158.35		
80	R35	Garima Marg	138.00	138.00	140.00		140.00	140.00		
81	R107		180.00	180.00	160.00		160.00	160.00		
82	T3L13D		80.00	80.00	70.63		70.63	70.63		
83	T3L13E		70.00	70.00	62.40		62.40	62.40		
84	T3L11E		160.00	160.00	110.00		110.00	110.00		
85	B2				210.00		210.00	210.00		
86	R78				35.00		35.00	35.00		
87	T3L21B				70.00		70.00	70.00		
88	T3L21A				50.00		50.00	50.00		
89	R74				96.00		96.00	96.00		
90	R46, (T3L7 and T3L22)	Rangeli Road			400.00		400.00	400.00		
91	T3L7A				125.00		125.00	125.00		
92	T3L8				75.00		75.00	75.00		
93	R5, (T2 L24)	Gudari Marga			300.00		300.00	300.00		
94	R82				190.00		190.00	190.00		
95	T1L13A				100.00		100.00	100.00		
96	T1L14A				150.00		150.00	150.00		
97	R68				200.00		200.00	200.00		
98	T3L22A				335.00		335.00	335.00		
99	T3L22B				120.00		120.00	120.00		
100	T3L25C				140.00		140.00	140.00		
101	T3L11B				71.00		71.00	71.00		
102	T3L11M				82.00		82.00	82.00		



Monthly Progress Report

					Length in m	1		Work Co	mpleted	s
SN	Road	Name of			Prog	ress		Brick	RCC	Remarks
SIV	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Ren
103	R106				70.00		70.00	70.00		
104	R41				520.00		520.00	520.00		
105	T2L19B				130.00		130.00	130.00		
106	R30				180.00		180.00	180.00		
107	T3L13C				300.00		300.00	300.00		
108	T3L13J				72.53		72.53	72.53		
109	T2L18Y				100.00		100.00	100.00		
110	T2L19P				114.38		114.38	114.38		
111	T2L19Q				126.55		126.55	126.55		
112	R9A				109.30		109.30	109.30		
113	R9B				85.00		85.00	85.00		
114	T2L18K				74.70		74.70	74.70		
115	T3L23C				105.00		105.00	105.00		
116	T2L24E	Mahabir Marga			216.00		216.00	216.00		
117	R44				700.00		700.00	700.00		
118	R110				250.00		250.00	250.00		
119	Parichaya Marga				190.00		190.00	190.00		
120	T3L25B				195.00		195.00	195.00		
121	T1L5, 5A				590.00		590.00	590.00		
122	T2L19Y				150.00		150.00	150.00		
123	T3 Trunk				1,555.08		1,555.08	1,555.08		
124	T2L19F				118.00		118.00	118.00		
125	T2L18D				75.00		75.00	75.00		
126	R19				226.00		226.00	226.00		
127	R83	Shiva Marga			480.00		480.00	480.00		



Monthly Progress Report

					Length in m	1		Work Co	mpleted	
CN	Road	Name of			Prog	ress		Brick	RCC	arks
SN	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Remarks
128	T3L10B, T3L7D (R46)	Rangeli Road			400.00		400.00	400.00		
129	T2L19G				60.00		60.00	60.00		
130	R4 (T2 Trunk)	Jatuwa Marga			490.00		490.00	-	490.00	
131	T3L25B, Outlet	Madhumara			96.00		96.00	96.00		
132	T3L7B	Matrika Marga			150.00		150.00	150.00		
133	T3L5	Sanihat Marga			210.00		210.00	210.00		
134	T2L19H				85.00		85.00	85.00		
135	R181				193.00		193.00	193.00		
136	N38				200.00		200.00	200.00		
137	T3L10C	Paurakh Marga			110.00		110.00	110.00		
138	T3L10F				135.00		135.00	135.00		
139	T3L10, R6				340.00		340.00	340.00		
140	R47 (T3L10A)	Matrika Marga			150.00		150.00	150.00		
141	R12	Kanchhadai Marga			795.00		795.00	795.00		
142	R8 (b)	Sahayogi Marga			65.00		65.00	65.00		
143	T1L7A	Piyush Marga			70.00		70.00	70.00		
144	T1L7B				70.00		70.00	70.00		
145	T1L7C				70.00		70.00	70.00		
146	T1L8C				70.00		70.00	70.00		
147	R39	Maisthan Marga			100.00		100.00	100.00		
148	N7	Amar Marga			130.00		130.00	130.00		
149	N8	Amar Marga			160.00		160.00	160.00		
150	R26	Amar Marga			290.00		290.00	290.00		
151	T3L25A	Bhakti Marga			280.00		280.00	280.00		
152	R16, T3L36	Satya Marga			200.00		200.00	200.00		



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Monthly Progress Report

					Length in m	l		Work Co	mpleted	N
SN	Road	Name of			Prog	ress		Brick	RCC	Remarks
SIV	Number	Road	Original	Revised	Previous	This Month	Total	m	m	Ren
153	R17, T3L35				227.00		227.00	227.00		
154	T3L20	Janani Marga			275.00		275.00	275.00		
155	N34, T3L31A				168.00		168.00	168.00		
156	T2L19W	Bhugol Marga			57.00		57.00	57.00		
157	T2L19V	Bhugol Marga			90.00		90.00	90.00		
158	T1L8B	School Marga			285.00		285.00	285.00		
159	T2L19K	Sundar Marga			207.00		207.00	207.00		
160	T2L190				70.00		70.00	70.00		
161	T3L26E	R29 Branch 3			248.00		248.00	248.00		
162	T1L16C	CPN-UML office opposite			204.00		204.00	204.00		
163	T1L17	R181R90			84.60		84.60	84.60		
164	R70	Himalaya Road			200.00		200.00	200.00		
165	R6	Abadhnarayan Memorial Road			400.00		400.00	400.00		
166	R71	Morang Sahakari Hospital			107.00		107.00	107.00		
167	T1L13	Om Shiv Marg			72.50		72.50	72.50		
168	R4 Branch	Jatuwa Marga			185.00		185.00	185.00		
169	N1				100.00		100.00	100.00		
170	R111				215.00		215.00	215.00		
171	N40				30.00		30.00	30.00		
172	T3L24B	Asta Chiranjivi Marga			72.00		72.00	72.00		
	Total				39,122.11	0	39,122.11	37,662.11	1460.00	



3.2. ENVIRONMENTAL ASPECT

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

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

3.2.1. BORROW/ QUARRY SITES

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

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

3.2.2. DISPOSAL OF SPOIL AND CONSTRUCTION WASTE

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

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

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

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

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



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



3.2.3. PROVISION AND MAINTENANCE OF TOILETS

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

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

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

3.2.4. CRUSHING PLANTS

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

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

3.2.5. ASPHALT PLANTS AND BATCHING PLANTS

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

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

3.2.6. OCCUPATIONAL HEALTH AND SAFETY MEASURES

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

The SOP for COVID-19 Risk Management at Workplace has already been approved by the Employer. The contractor has already been instructed for the implementation at workplace and sites as per approved SOP. The contractor has already procured and supplied goods as approved by the Employer.

The project is the environmental improvement project and mainly constitutes sewerage and drainage improvement works in BMC besides others. As per ADB guide-lines on Environmental Assessment requirements, this project is classified as Environment Category B. According to Environmental Protection Regulation-2054BS, First Revised (2055 BS) schedule-3, IEE is



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required for Operations of Sewerage Schemes under Schedule 1.h.2.e (pertaining to Rule3). The final report was submitted to MoUD on 14th May, 2013 and has already been approved.

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

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

A regular monitoring visit by DSC was carried out and a standard site specific environmental monitoring checklist was used to record the present status of the project to verify if work has been done as per EMP Guidelines. A sample of environmental checklist is attached herewith as Annex. Also the contractor has been instructed to update the OHS as per Standard Operating Procedure for COVID-19: Risk Management at workplace and /or/ if the lockdown prevail further due to COVID-19 and work progress suffer.

3.3. SOCIAL ASPECT

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

3.4. SAFEGUARD/ GESI COMPONENT

3.4.1. COMMUNITY AWARENESS:

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



3.4.2. GRIEVANCE REDRESSES MECHANISM:

Although many grievances are received verbally and written, all Total 263 no. of grievances have been registered formally up to November 2020. Among them, 10 grievances are registered in GRC desk, total 73 no. of grievances are listed in PIU registered and 18 are written. Similarly, 162 grievances are received through telephone in PIU. Received all grievances have immediately been addressed and solved. Received grievances are tabled in Social Safeguard desk, SD discussed over different grievances and social and environmental agendas to immediate mitigate of public complains. Total 15 no. of SD meeting has held up to this reporting period. Project manager has chaired the meeting. GRC meeting has held as per need and mayor has chaired the meeting.

3.4.3. GENDER EQUITY AND SOCIAL INCLUSION (GESI):

Activities related to GESI has been monitored and supervised in all Construction sites. During site visit female workers were found in significant minority (6numbers) at Construction sites, thus Contractor was instructed as follow:

- i. Encourage to Local female Employment as Labor and skilled manpower.
- ii. Manage separate Camp and necessary facilities for female workers to encourage of female Employment. Camps and construction sites are regularly been monitored to find the status of working force.

3.4.4. STATUS OF SOCIAL AND ENVIRONMENTAL SAFEGUARD MEASURES

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

During the site visit for Socio Environment monitoring by DSC Environmental and Social Safeguard Expert on date1st, 2nd and 3rd December, 2018 following issues were found. Social Safeguard revisited the site on 29th, 30th and 31st December.

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



obey protocol of GoN & Local governance. Frequently, organizing the awareness program and training on how to fight against CORONA Virus (COVID-19). Emphasized on how to use PPE, physical distancing, managing workers before construction, security procedure at entry/exit, changing & shower, role & responsibilities of the employer, consultant & contractor and how to check the worksite & disinfect (Wakening us about to maintain distancing, wash hand frequently, how to stay at camp, to use sanitizer and wear mask to protect yourself). The contractor's submitted Standard Operating Procedures for COVID-19 Risk Management at Workplace SoP has already been approved and the procurement and supply of goods as per SoP has already been done.

vi. Separate Isolation room in emergency, sanitizer, thermal gun for fever detection, oximeter etc are provided in Contractor's camp and Consultant's office. The photos have been attached at Annex.

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

3.4.5. STATUS OF RELOCATION OF SERVICES

Relocation of water supply pipelines at Tinpaini to Hospital Chowk (R7), B1 – Kanchanbari, T3L10E, T3L10, T3L39, T3L39A, T3L39B, T3L23C, Nagarpalika to Devkota chowk-R3, Om shanti marga-T3L22A, Moti Marga-T3L21, R100, P1, R24, Hospital Chowk to Siddhartha chowk-R7, Paribar Niyojan to Adharsha school, R181C, R181A, R21 and R29 are 3024.00, 1319.00, 845.00, 757.70, 324.00, 333.00, 210.00, 183.00, 2400.00, 830.00, 1100.00, 300.00, 601.00, 800.00, 360.00, 380.00, 860.00, 122.70 and 18.40 meters in length are completed.

Relocation of water supply pipe lines at R6 (L=700m), R12 (L=180m) and R181 (L=215m) have been completed this month.

The supply has been providing temporarily as per site condition and where required.

Labour	Labour		Composition		Ethnic composition					
class	Skilled	Unskilled	Male	Female	Janjati	Dalit	Muslim	Madhesi	Brahmin/ Chhetri	
Local	23	55	78	0	16	8	6	48	0	
Non local	53	147	186	14	39	38	7	116	0	
Indian	2	12	14	0	0	0	14	0	0	
TOTAL	78	214	278	14	55	46	27	164	0	

Table – 5: Status of Labor at Site



3.5. FINANCIAL PLAN

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

3.5.1. DISBURSEMENT RECORDS IN CONSTRUCTION

Table – 6: DISBURSEMENT RECORDS in CONSTRUCTION

S.No.	Description	Submission date	Covering date	Submitted Amount(NRs)	Remarks
1	IPC 01	15 th October 2017		339,105,000.00	Mobilization Advance
2	IPC 02	2 nd April 2018	2ndNovember2017to31stMarch 2018	261,501,492.21	
3	IPC 03	1 st July 2018	1 st April 2018 to 30 th June 2018	316,582,708.58	
4	IPC 04	1 st October 2018	1 st July 2018 to 31 st September 2019	105,227,887.16	
5	IPC 05	2 nd December 2018	1 st October 2018 to 30 th November 2018	95,951,603.44	
6	IPC 06	31 st January 2019	1 st December 2018 to 31 st January 2019	264,937,394.98	
7	IPC 07	12 th April 2019	1 st February 2019 to 31 st March 2019	308,805,662.97	
8	IPC 08	9 th May 2019	1 st April 2019 to 30 th April 2019	106,210,198.68	



Total amount advance till d		A & Mobilization		2,533,609,916.27	
19 IPC 19 2 nd Dec 2020		1 st Oct 2020 to 30 th Nov 2020	Under scrutiny		
18	IPC 18	05 th Oct. 2020	1 st July,2020–30 th Sep, 2020	90,563,317.45	
17	IPC 17	1 st July 2020	1 st March,2020– 30 th June, 2020	153,448,663.15	
16	IPC 16	1 st March 2020	1 st Feb, 2020 – 29 th Feb, 2020	102,186,834.62	
15	IPC 15	4thFebruary 2020	1 st Jan 2020 to 31 st Jan 2020	232,027,037.24	
14	IPC 14	31 st December 2019	1 st December 2019 to 31 st December 2019	63,509,092.84	
13	IPC 13	30 th November 2019	4 th June 2019 to 30 th June 2019	125,965,923.87	
12	IPC 12	3 rd November 2019	1 st October 2019 to 31 st October 2019	53,113,369.86	
11	IPC 11	30 th September 2019	1 st July 2019 to 30 th September 2019	95,296,297.30	
10	IPC 10	11 th July 2019	1 st June 2019 to 30 th June 2019	67,863,056.59	
9	IPC 09	10 th June 2019	1 st May 2019 to 31 st May 2019	90,419,375.33	

Note:

- > Physical progresses are lagging due to pandemic COVID-19.
- ➤ Revised EOT and VO-3 of the consultant (DSC) has been approved by the Employer



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:

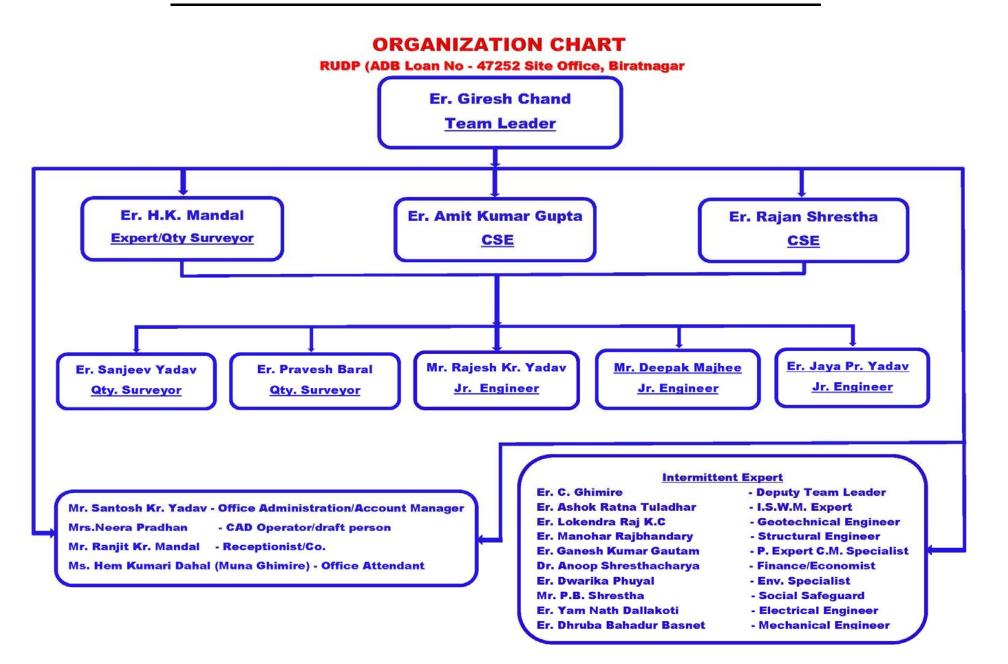
- Monthly progress report and quarterly progress report.
- Semi- annual Environmental monitoring report.
- Semi-annual Safeguard monitoring report.
- Annual progress report including annual Environmental / Social safeguard monitoring report, assets.
- Detailed draft final report for our inputs, including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



4.3. ORGANIZATION AND STAFFING

Attached







4.4. CONSULTANT'S ACTIVITIES IN CONSTRUCTION PHASE

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

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

SN	Name	Designation	Joining date	Remarks
1	Mr. Giresh Chand	Team Leader	6 th Sep 2017	
2	Mr. Ashok Ratna Tuladhar	ISWM (Designer)	6 th Sep 2017	Intermittent
3	Mr. Dwarika Phuyal	Environmental Safeguard Expert	1 Nov 2017	Intermittent
4	Mr. Prakash Bhakata Shrestha	Social Safeguard Monitoring Expert	26 th dec-2017	Intermittent
5	Mr. Hare Krishna Mandal	Expert/Quantity surveyor	1 st Nov 2017	
6	Mr. Amit Kumar Gupta	Construction Supervision Engineer	1 st March 2018	
7	Mr. Rajan Shrestha	CSE/Quantity Surveyor	7 th Nov 2017	Working as CSE from 1 st May 2019.
8	Mr. Rajesh Kumar Yadav	Junior Engineer-1	6 th Sep 2017	
9	Mr. Sanjeev Yadav	Qty. Surveyor	5 th Nov 2017	
10	Mr. Santosh Kumar Yadav	Office Administration/Account Manager	6 th Sep 2017	
11	Mr. Hem Kumari Dahal (Muna Ghimire)	Office Attendant	6 th Sep 2017	
12	Mr. Ranjit Kumar Mandal	Receptionist	10 th Dec 2017	
13	Mr. Pravesh Baral	Junior Engineer-2	10 th Dec 2017	
14	Mr. J.P Yadav	Junior Engineer-3	1 st March 2018	
15	Mr. Deepak Majhee	Junior Engineer-4	1 st March 2018	
16	Mrs. Neera Pradhan	CAD operator/Draft Person	10 th Dec 2017	
17	Mr. Youb Raj Poudel	Driver	10 th Feb-2019	



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

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



5. PROGRESS OF SUB – PROJECT COMPONENTS

5.1. CONSTRUCTION MATERIALS

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

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

	Target This Month			ement This Aonth	L	eading	La	gging	
Month	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulat ed	Remarks
July-18	0.15%	25.17%	0.78%	25.18%	0.63%	0.01%			Leading
August-18	0.15%	25.32%	2.32%	27.50%	2.17%	2.18%			Leading
September-18	5.71%	31.03%	1.22%	28.72%				-2.31%	Lagging
October-18	7.72%	38.75%	2.30%	31.03%				-7.72%	Lagging
November-18	7.72%	46.47%	5.20%	36.22%				-10.25%	Lagging
December-18	7.95%	54.41%	3.40%	39.62%				-14.79%	Lagging
January-19	7.96%	62.37%	5.65%	45.27%				-17.10%	Lagging
February-19	7.96%	70.33%	5.11%	50.38%				-19.95%	Lagging
February-19 (after Revision)	5.33%	50.03%	5.11%	50.38%		0.35%			Leading
March -19	7.75%	57.77%	7.84%	58.21%		0.44%			Leading
April-19	6.82%	64.59%	4.53%	62.74%				-1.85%	Lagging
May-19	6.49%	71.08%	4.54%	67.28%				-3.80%	Lagging
June-19	3.95%	75.03%	2.05%	69.33%				-5.70%	Lagging
July-19	3.90%	78.93%	2.19%	71.52%				-7.41%	Lagging
August-19	4.97%	83.90%	2.01%	73.53%				-10.37%	Lagging
September-19	7.45%	91.35%	4.97%	78.50%	NA	NA	-2.48%	-12.85%	Lagging
October-19	8.56%	99.91%	1.14%	79.64%	NA	NA	-7.42%	-20.27%	Lagging
November-19	0.09%	100.00%	0.33%	79.97%	0.24%	NA	NA	-20.03%	Lagging

5.2. PROGRESS ACHIEVED TILL DATE



Month	Target	This Month	Achievement This Month		L	eading	La	gging	Remarks
wonth	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulat ed	кетагкя
December- 2019 (after Revision-2)	5.00%	72.98%	5.14%	73.12%	0.14%	0.14%	NA	NA	Leading
January-20	6.00%	78.98%	10.62%	83.74%	4.62%	4.76%	NA	NA	Leading
February-20	6.70%	85.68%	1.48%	85.22%	NA	NA	-5.22%	-0.46%	Lagging
March-20	6.80%	92.48%	1.67%	86.89%	NA	NA	-5.13%	-5.59%	Lagging
April-20	7.00%	99.48%	0.00%	86.89%	NA	NA	-7.00%	-12.59%	Lagging
May-20	0.52%	100.00%	0.86%	87.75%	0.34%	NA	NA	-12.25%	Lagging
June-20			1.15%	88.90%					
July-20			0.84%	82.97%					wrt VO-2
August-20			0.14%	83.11%					wrt VO-2
September- 20	5.00%	88.11%	2.94%	86.05%			-2.06%	-2.06%	wrt VO-2
October-20	3.00%	91.11%	1.05%	87.10%			-1.95%	-4.01%	Wrt VO-2
November-20	5.82%	96.93%	1.59%	88.69%			-4.23%	-8.24%	Wrt VO-2

5.3. KEYEVENTS

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

Table 8: KEY DATES of EVENTS / ACTIVITIES

S. No.	Date	Activities/Events	Remarks
1		 A high level meeting followed by field visit by Minister of Urban Development with secretary of Department of Urban Development carried out on dated 25th November 2020 	
2		 The contractor has procured and supplied goods as per SOP. As usual conferred about the awareness and training on COVID- 19, regarding maintain physical distancing, frequently hand washing, use of PPE (masks, gloves, etc.). Monitoring compliances of PPE's during Pandemic due to COVID-19. 	



6. DETAILS OF PRE CAST ACTIVITIES

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

			Physical P	rogress till da	ite		
				Progress			
S.N.	Description	Unit	BoQ	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks
1	Precast Slab	No		91,801.00	1200	93,001.00	Under progress
2	Kerb Stone	Rm	127,247.02	101,210.80		101,210.80	79.54%

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

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

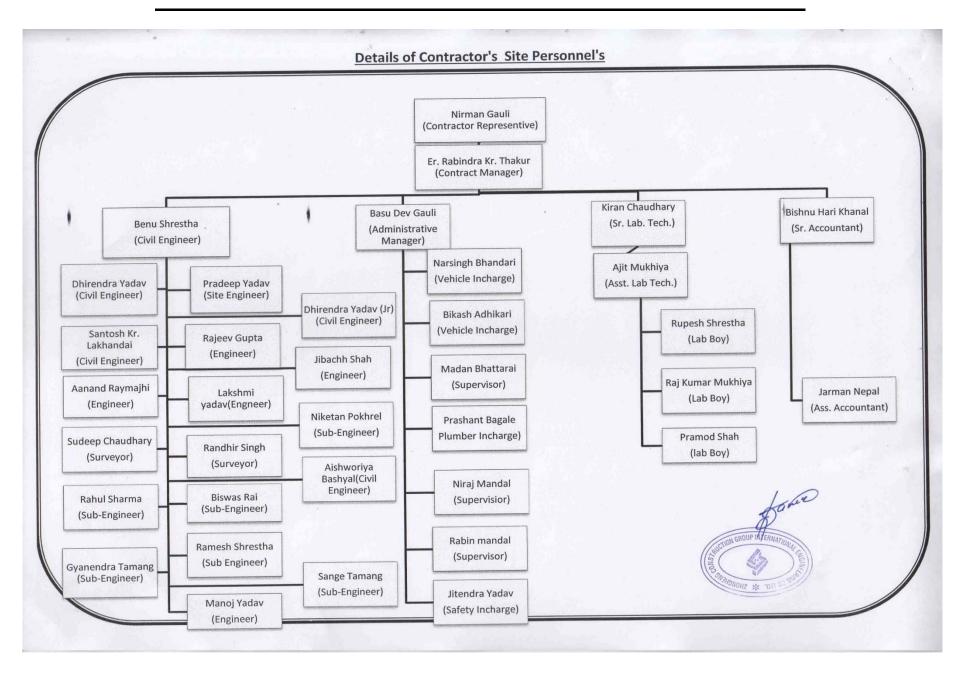


			Physical Pro	gress till da	te		
				Progi	ress		
S.N.	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks
1	HDPE Pipe	110.00	1,987.20	4,487.20	-	4,487.20	
2	HDPE Pipe	200.00	16,656.00	16,500.00	-	16,500.00	
3	HDPE Pipe	250.00	115.00	450.00	-	450.00	

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

		Phys	sical Progre	ess till date			
				Prog	ress		
S.N.	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM)	This Month (Rm.)	Total to Date (RM.)	Remarks
1	UPVC Pipe	160.00	5,050.00	5,050.00		5,050.00	
2	UPVC Pipe	110.00	5,050.00	5,050.00		5,050.00	







7. CONTRACTOR'S MANPOWER

Table 13: CONTRACTOR'S KEY STAFFS.

S.No.	Position	Minimum Number Required as per Contract	ZHONGHENG CONSTRUCTION Group	Remarks
1	Project/Contract Manager (1 No) 15/10 Yrs. (Total/Similar Exp.)	1	1	
2	Civil Engineer-10/6	2	2	
3	Sanitary Engineer- (1no.)-12/8	1	-	
4	Road Engineer-(1no.)-12/8	1	1	
5	Electromechanical Engineer-(1no)- 10/5	1	-	
6	Safety Engineer	-	1	
7	Site Engineer	-	6	
8	Sub-Engineer	-	3	
9	Accountant	-	2	
10	Lab Technician	-	1	
11	Store Keeper	-	1	
12	Vehicle In charge	-	1	
13	Skilled Labors		78	
14	Unskilled Labors		214	



8. CONTRACTOR'S EQUIPMENT

Table 14: CONTRACTOR'S EQUIPMENT

S.No.	Equipment Type and Characteristics	Min Number required as per Contract	ZHONGHENG CONSTRUCTION Group	Remarks
1	Excavator (200 above)	5	1	Backhoe loader-6Nos.
2	Crane (10 ton capacity)	3	1	
3	Asphalt plant of adequate capacity	1	1	
4	Asphalt pavers	1	1	
5	Vibrating roller	2	2	
6	Pneumatic tyre roller 8 to 10 ton	2	1	
7	Smooth wheeled roller 8 to 10 ton	1	1	
8	Grader	1	3	
9	Track Dozer (120 to 180 HP)	1	-	
10	Bitumen distributor (4 to 6 Kilo Liters)	1	2	
11	Water browser (minimum 5000 Liters)	3	2	
12	Chips spreader	1	-	
13	Bitumen decanter minimum 4000 Liters. (preheating container)	2	1	
	Air compressor	2	2	
14	Tipping Trucks	5	2	Tipper-3
15	Service vehicle	15	3	Tractor = 15 Nos.



S.No.	Equipment Type and Characteristics	Min Number required as per Contract	ZHONGHENG CONSTRUCTION Group	Remarks
16	Survey equipment (Total station with accessories)	2		
17	Theodolite	1	-	
18	Levelling	2	4	
19	Mobile Generator 15-20 KVA	5	6	
20	Mixer Machine	3	5	
21	Concrete Batching Plant	1	-	
22	Concrete pump	1	-	
23	Drain cleaner/ Nala cleaner	2	_	
24	Broomer	_	2	
25	Motor Bike	-	12	
26	Plate Compactor	-	5	
27	Water Pump		10	

9. WORK PLAN FOR THE NEXT MONTH

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

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

Note:

- The above mentioned work for the upcoming month can only be executed smoothly once the panic situations normalizes
- The contractor claimed for time & cost pursuant to relevant clauses of the contract which are under perusal.



ANNEX-1: Photographs of November 2020





Drain works at R112



Asphalt work at R71





Asphalt work at R83



Kerbstone at R4





Site safety at R4

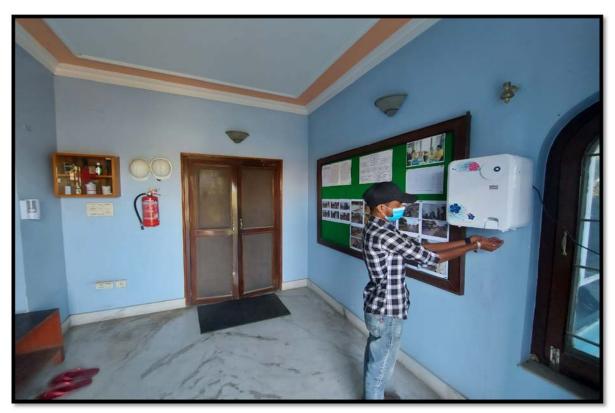


PM briefing Minister of Urban Development





Fever detection using Thermal gun at Consultant Office



Hand sanitizer at consultant office





Isolation room of Contractor camp



Meeting at TL office



ANNEX-2: Minutes of Meeting November 2020

(Not Any)



ANNEX-3: Laboratory Test Results of November 2020



		2	Summary Sheet of I	vionthly Test Rei	oort	Mor	ith:	Nov	ember
						Уе Тур			2020
-	-	1				Mate		Sub	grade
Sn.	Lab.Ref no.	Location of Sample	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-SG-01	T3L18D,(0+040)	Existing Road	2-Nov-20	1.920	9.40	8.75	6.33	/
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						[Month	Nover	nber
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(m. 1				Moistu	re content %	Dens	ity(gm/cc)	Sub-G Compac	
Sn.	Lab.Ref.no	Testing Date	Chanage		Field MC%	Max.Dr	y Field Dry	Compaction	Specifie
1	RUDP-SG-FD-1, RHS	4-Nov-20	0+020	9.40	7.02	density 1.920	density, 1.865	%	1%
2	RUDP-SG-FD-1, LHS	4-Nov-20	0+060	9.40	7.11	1.920	1.805	97.14	95
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	November	2020 Sub-base .		Remarks														1				BUILDING DESIGN AUTHORITY (P) LTD INGON'T VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARGUITECTS (P) LTD AAD PLUS ENGINEERS & ARGUITECTS & ARGUITECTS (P) LTD AAD PLUS ENGINEERS & ARGUITECTS					
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						-	Month		mber
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				Moistur	e content %	Density	(gm/cc)		ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specifie %
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2	RUDP-SB-FD-1, C/L	11-Nov-20	0+060	6.40	5.42	2.226	2.144	96.30	95
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	November 2020	Base	A.I.V. CBR Permeter	1 3g	20.53 82.18 87.10	/								/	< 35 >80 >80			BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LUD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	(Z	Approved By Teory Looder	Giresh Chand	
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1	RUDP-B-FD-1, R/S	20-Nov-20	0+020	5.00	4.97	2.250	2.237	99.41	98
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	ZHONGHENG CONST INTERNA IONAL ENG	NEERING CO.	UP LTD	BUILDI CONSUL'	NG DESIGN AI TANCY PVT. L	KATHM/	ANDU, NEPAI	INT VENTURI RS & ARCHITE L	E WITH B.N ECTS (P) LT
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	Checked By Engineer Dhirendra Yadav	Submitte Contract M Rabindra Kr.	anager	Expert Qty	rified By Surveyor/CSE dal/Rajan Shres	tha		Approved B Team Leader Giresh Chan	iy r



			Summ	ary Sheet	RUDP/ICB				
-							Month	Nove	mber
			Location		WWTD	_	Year	20	020
-			Location	Moistu	WWTP) re content %		pe of Material (gm/cc)		Base Ction %
C	LIDC		-			Max.Dry	Field Dry	Compa	ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	density	density,	Compaction	Specifie
			1		1	gm/cc	gm/cc	%	%
1	RUDP-SB-FD-1, R/S	27-Nov-20	1+300	6.20	5.61	2.230	2.128	95.43	95
2	RUDP-SB-FD-1, L/S	27-Nov-20	1+340	6.20	5.95	2.230	2.187	98.07	95
	RUDP-SB-FD-1, R/S	27-Nov-20	1+410	6.20	5.61	2.230	2.137	95.82	95
4	RUDP-SB-FD-1, L/S	27-Nov-20	1+490	6.20	5.53	2.230	2.154	96.61	95
5	RUDP-SB-FD-1, R/S	27-Nov-20	1+520	6.20	4.32	2.230	2.154	96.59	95
7	RUDP-SB-FD-1, L/S RUDP-SB-FD-1, R/S	27-Nov-20	1+610	6.20	4.36	2.230	2.133	95.66	- 95
8		27-Nov-20	1+680	6.20	4.28	2.230	2.168	97.21	95
8	RUDP-SB-FD-1, L/S RUDP-SB-FD-1, R/S	27-Nov-20	1+710	6.20	4.67	2.230	2.136	95.77	95
R	RUDP-5B-FD-1, K/S	27-Nov-20	1+820	6.20	5.36	2.230	2.169	97.25	95
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						ho	ity (P) Ltd		12
	Goo Contract	or				Con	sultant		
	ZHONGHENG CONSTR	UCTION GRO	UP	BUILDIN	G DESIGN AU	THORTIN (P	LTDIN	NT VENTURE	WITH B
I	NTERNATIONAL ENGIN	EERING CO.	LTD	CONSU	LTANCY PVT.	LTD AND PI	US ENGINE	ERS & ARCHI	TECTS (P)
	(Phillipping	HOLDEN				LTD, KATHM		AL	
	NOTERINATION.	/				8	* Biratnagat		/
		Λ			8,		-	/	
-	and	//.		7	X			~	
Lin		Kal		0				y	
		Submitted By			fied By			Approved B	v
		ntract Manage			urveyor/CSE			Team Leader	
micin	dia radav Rat	pindra Kr. Thaku	r r	1.K. Manda	al/Rajan Shrest	ha		Giresh Chan	d



	November	2020 Sub-base		Remarks				T	Τ										Γ		1			BUILDING DESIGN AUTHORITY (BULTDIN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS MARCHITECTS (P) LTD, KATHMANDU, NEPAL		
1	Nove	Sub-		-1																$\left \right $				N. CON		By Id
				OMC PI% CBR%	1 95 50 00	00.00														1		>30		ITH B.		Approved By Team Leader Giresh Chand
	Month:	Type of . Material		> PI%	-	-													K			3		URE W LTD, k		App
	ž	f f M		_	5 80	-												1						TENT TS (P)		
				MDD	2004	-												1					1	JOIN	* Justen	
				0.075	6.50		_										I					4~15	AND TALE	TDIN	* Birz magar	
2.01			Veight	1.18	16.28	15.52										1	1					15~37		LY (10)	No.	estha
City RT-00			% By \	2.36	36.94											A						0 20-45		HORIT		or/CSE
litan CB/B			passing	5.0	0 43.51		_								1	1		-		_		5 30~6(INAU TUAU	de	I By Surveyo al/Raja
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		(d	Sieve Size in mm / passing % By Weight	0 10.0	9 57.90	9 46.00					_		_	-	4	+	+	+			-	5 40~7		DESIG TD AN	d'it	Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
- Met RU		TW'	ve Size	5 20.0	7 6939	-	-	-			_	_	-	A	+	+	-	-		_		2 20-8		LDING		Expe
agar ct No ry She		-4.(W	Sie	0 37.5	87.97	-	-				_		1	/	-	+						65~3		BUI		
iratn ontra summa		R.		^{1g} 63.0	100	100					_		4	+	-			-		_		100		-		y iger akur
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location :-R-4.(WWTP)		Date of Testing	9-Nov-20	10-Nov-20						1										Spec. Limit : 100 65~95 50~85 40~75 30-60 20-45 15-37 4-15		ZHONGHENG CONSTRUCTION GROUP IN BUILD	V	Subhitted By Contract Manager Rabindra Kr. Thakur
				Source of Sample	Khola	Khola					1					1								Martin Contraction	and the second	S Cor Rab
				ource o	Chisang Khola	Chisang Khola																	actur	NG CO	UB. * 214	
					-	-			/	4	+	+	†	+	+	+							Contr	MERI		
			Location of	Sample	R-4,(2+020)	R-4,(2+110)																		ENG		
				ef no.	-			1				1	-							-				HENG		by dav
				Lab.Ref no.	RUDP-SB-01	RUDP-SB-02																		ONG	- MC	Checked By Engineer Dhirendra yadav



	REOI	UNAL	Biratn	agar N	EVELO Ietropolit RUDP/ICB	an City	T PRO	JECT	
			Summ	ary Sheet	t of Field Dens	ity Test			
						. –	Month		mber
			Locatio	n:-R-4,(WWTP) re content %	T	Year ype of Material		Base
Sn.	Lab.Ref.no	Testin Dat		Moistu	re content %	Density	(gm/cc)	Compa	ction %
on.	Lab.Rel.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry	Field Dry	Compaction	Specifie
1	RUDP-SB-FD-1, R/S	11-Nov-20	1+980	5.80	5.32	density 2.224	density, 2.113	% 95.01	% 95
2	RUDP-SB-FD-1, L/S	11-Nov-20	2+050	5.80	5.97	2.224	2.144	96.41	95
3	RUDP-SB-FD-1, R/S	11-Nov-20	2+100	5.80	5.49	2.224	2.168	97.48	95
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	Contracte	EHONEN				.Con	ultant	1.00	
IN	ZHONG ENG CONSTRUCT TERNA NONAL ENGIN	CTION CROU	JP .TD	BUILDIN CONSUI	G DESIGN AU LTANCY PVT.	THORITO (P	LTD IN JOH	NT VENTURE ' ERS & ARCHIT	WITH B.N. ECTS (P)
	INTERNATION OU	ORD IN CONTRACTOR		2.00	1	AD BATHM	ANDU, NEPA		1
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Clean	ked By S	ubmitted By	÷	erified By	······			0	
Chees	neer Cor	ntract Manager	E		rveyor/CSE			Approved By Team Leader	
Engir	ra yaday Rabi	indra Kr. Thakur	н	I.K. Manda	I/Rajan Shresth	a		Giresh Chand	



Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Junnar Sheet of Monthly Test Report Torran Torrange Sheet of Monthly Test Report <u>Location: -131.26</u> <u>Arrent State num: Negestrage By Weight</u> <u>Reversited num: Negestrage By Weight</u> <u>Arrent State num: Negestrage By Weight</u> <u>Arrent State num: Negestrage By Weight</u> <u>Reversited num: Negestrage By Weight</u> <u>Arrent State num: Negestrage By Weight</u> <u>Arrent State num: Negestrage By Weight</u> <u>Reversited num: Negestrage By Weight</u> <u>Arrent State num: Negestrage By Weight</u> <u>Arrent Mandely Experiment</u> <u>Arrent Mandely Experiment</u> <u>Arrent Mandely Experiment</u> <u>Arrent Mandely Restored By Tendent</u> <u>Arrent Arnet Mandely Restored By Tendent</u> <u>Arrent Arnet Mandely Restored By Tendent</u> <u>Arrent Mandely Restored By Tendent</u> <u>Arrent Arnet Mandely Restored By Tendent</u> <u>Arrent Arnet Mandely Restored By Tendent</u> <u>Arrent Bartoned By Tendent Revert Bartoned By Tendent</u> <u>Arrent Revert Mandely Restored By Tendent</u> <u>Arrent Revert Mandely Restored By Tendent</u> <u>Arrent Revert Bartoned By Tendent</u>	Biratangar Metropolitan City Contractos: MON/CIGBRRT-03: Sumar Shert of Monthik Test Report Examar Shert of Monthik Test Report Examar Shert of Monthik Test Report Examar Shert of Monthik Test Report Example 1 Example 1 Ex
	Sample Date of Testing Image: Sample Testing Image: Spect Limit: 100 Spect Limit: 100



			Summa	ry sneet	of Field Dens	sity Test	Month	No	vember
							Year	and the second division of the second divisio	2020
-			Locati	on:-T3I	e content %		Type of Material		Base
					e content %		v Field Dry	Comp	action %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	aonony	density,	Compaction %	Specific %
1	RUDP-B-FD-1, R/S	12-Nov-20	0+020	5.30	5.93	2.246	2.232	99.39	98
2	RUDP-B-FD-1, L/S	12-Nov-20	0+080	5.30	5.08	2.246	2.222	98.93	98
3	RUDP-B-FD-1, R/S	12-Nov-20	0+120	5.30	5.86	2.246	2.205	98.19	98
4	RUDP-B-FD-1, L/S	12-Nov-20	0+160	5.30	5.32	2.246	2.202	98.03	98
5	RUDP-B-FD-1, L/S	12-Nov-20	0+190	5.30	4.97	2.246	2.202	98.84	98
N			0.190	0.00		2.240	2.220	90.04	98
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	Contract	tor				13	onsultant		
	ZHONGHENG CONSTR		UP	BUILDIN	G DESIGN AL	UTHORIT	V(P) LTD IN IC	UNT VENTUR	RE WITH B
I	NTERNA FIONAL ENGE	NEERING CO.	LTD	CONSUL	LTANCY PVT	LTDAN	V (P) LTD IN JE D PLUS ENGIN	EERS & ARCI	HITECTS (P
	113a bi	1811			100	LTD, KA	HMANDU, NE	PAL	
	O. * ZHONGHER	10001			1 \$1	1	* Birainagar *	/	
	Qh				T.X			A	
	Checked By	Submitted			Varified By		· · ·	-0	
	Engineer	Contract Ma			Verified By Qty Surveyor/	CSE		Approved B	
			Thakur	Enpert	idal/Rajsn Shi	CSL		Team Leader	r



	November 2020	. Base		% CR CBK Remarks	18.64 82.50 81.90		>								/	<35 >80 >80	NT VENTURE WITH B.N. ERS & ARCHITECTS (P) AL		J	Approved By Team Leader	CITESII CIAND
	Month Year	Type of Material	T A A	PI% PI% Fl and El %	NP 29.80 19.32/18.74								/	/		<45 <35	CONSULTANT AND PLUS ENCINE AND PLUS ENCINE	1.3	* Ingentiana		
KEGIONAL UKBAN DEVELOPMENT PKOJECT Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report				2.36 0.6 0.075 MDD 0MC	32.09 18.05 7.39 2.248 5.90							1		*		26-55 21-53 12-28 2-10	CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		Dr. 2	Verified By Expert Qty Surveyor/CSE H K Mandal/Raian Shreetha	
ALL UKDAIN DEVELUUFMEIN Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 <u>Summary Sheet of Monthly Test Report</u>		Location:-R-70	Sieve Size in mm / % passing By Weight	40 31.5 20 10 4.75	100 89.08 68.62 57.78 40.41						/					Spec. Limit : 100 85-100 62-92 40-70 26-55	ZHONGHENG CONSTRUCTION GROUP, BATERNATIONAL ENGINEERING CO.	V	- MA	Submitted By Contract Manager Rabindra Kr Thakur	
NOIDEN			2. Date of	Source of Sample Testing	Chisang Khola 10-Nov-20				/	/						Spec. Limit : 1	 GEOUD BERNATIO				
			f		R-70,(0+060) (/	1.									 CONSTRUCTION GROUP	/		u by leer 1 yadav	
				S.N. Lab.Kei no.	1 RUDP-B-01	1											ZHONGHENG		MA	Engineer Dhirendra vadav	

Chainage 0+020	Moistu	n:-R-70 re content %	Densit	Month Year Type of Material ty(gm/cc)	20 Bi	mber 120 1se
Chainage 0+020	Moistu	re content %	Densit	y(gm/cc)		
0+020				y(gm/cc)		
0+020	OMC%	100 (No. 10			Compa	ction %
		Field MC%	Max.Dry density	Field Dry density, gm/cc	Compaction	Specifie %
01000	5.90	5.18	<u>9m/cc</u> 2.248	2.209	<u> </u>	98
0+060	5.90	4.28	2.248	2.213	98.45	98
0+090	5.90	5.00	2.248	2.246	(99.89	98
0+120	5.90	4.82	2.248	2.211	/98.37	98
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	DUIT	C BEGUON AND	1.51	181		
P	CONSULT	G DESIGN AUT	THORITY (P) LTD IN JOE	T VENTURE	WITH B.N.
ID			KATHMAN	NDU, NEPAL	ARCHITEC	TS (P) LT
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	(21		oliteinagar	1	1
	1.	X			/	
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Contract of the second s					Approved By	
	xpert Qty Su I.K. Mandal	rvevor/CSE			Team Leader	
		By Verifi	By Verified By	BUILDING DESIGN AUTHORITE (P CONSULTANCY PVT. LTD AND PLUK KATUMAT By Verified By	TD CONSULTANCE I PVT. LID AND ELUS ENGINEERS KATUMANDU, NEPAT By Verified By "	BUILDING DESIGN AUTHORTED (P) LTD IN JOINT VENTURE N CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITEC KATHNANDU, NEPAT By Verified By Approved By



		Page no 1 of 1	Application Rate Bt Trait Toot 1 island	0.57		0.54	0.54	0.55	(0.56	0.56	1			-		BUILDING DESIGN AUTHORITY (P), LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVL. LTD AND PLUS ENGINEERS & ARCHITECTS (PH TD) KATHMANDIL NEDAL	Approved By Teader Giresh Chand
			Application Rate Bv Din Lit/m2	0.59		090.0	0.59	0.60		0.58	0.59			711.2		440	LDING DESIGN AUTHORITY (P), LTD IN JOINT VENTURE W B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (PH TD KATHMANDI I NEPAI	A P
			Bitumen Consumption	1050		200	650	006		350	200	3450		s 0.40 to 0.60Lit/M2 According to Road Note -3.Section 711.2		Concultant	THORITY (P)	A Biz. mayor A
IECT OAT	020		Area M2	1792.20	690	700	1103.60	1491.00		598.50	340.00	Total		d Note -			DESIGN AU DNSULTAN	veyor/CSE ijan Shrestha
ENT PROJ City 8RT-02 r TACK C	VEMBER-20	Internetion	Area m2	0	0	>	0	0		-	0			g to Roa	n 1.020		BUILDING I B.N. CC	Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
CVELOPM (ctropolitan UDP/ICB/F	NTH OF NO	Aron of	Tack coat	1792.2	532	-	1103.6	1491	200 5	0.000	340			Accordin	of Bitume		0. LTD	
KEGIONAL UKBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Daily Application Rate Check for TACK COAT	SUMMARY FOR THE MONTH OF NOVEMBER-2020	Side of	Tack coat	BHS	BHS		BHS	BHS	DLO	2	BHS			0Lit/M2 /	Specific Gravity of Bitumen 1.020		RNATIONAL ENGINEERING CO. LTD	Submitted By Contract Manager Rabindra Kr. Thakur
Bilv Applic	SUMMARY F	Station	to	0+348	0+140		0+248	1+193	0+105	2	0+085			40 to 0.6	Specif		IONAL ENG	
¥ Ö		Sta	From	000+0	000+0		000+0	0+980	000+0		000+0					Contractor	NTERNAT	
		Date of	Tack coat	25-Nov-20	26-Nov-20		27-Nov-20	27-Nov-20	28-Nov-20		29-Nov-20			Required tack coat		Cont	ONGROUP	
	Type of Bitumen:80/100 P.G	Loootion	LOCATION	R-83	T3L25C		T3L26E	R-4	R-71		T2L18D			Require			ZHONGHENG CONSTRUCTION GROUP INTEI	Checked By Engineer Dhirendra Yadav
	/pe of B	S.N.	-	-	2		en	4	40		9	-	-				SHONG	

0+120 Both Stide 811.20 0.00 811.20 850 1.05 1.03 100 100 101 7500 1.05 1.03 1.03 101 101 101 7500 1.05 1.03 1.03 101 101 101 101 1.04 1.03 1.03 101 101 101 101 1.04 1.03 1.03 101 101 101 101 1.04 1.03 1.03 101 101 101 101 1.05 1.03 1.03 101 101 101 1.02 1.02 1.03 1.03 101 101 101 1.02 1.02 1.03 1.03 1.03 1.03 101 101 1.02 1.03 1.03 1.03 1.03 101 101 1.02 1.03 1.03 1.03 1.03
Kequired specification for Prime coat 1.0 Lit/M2 ± 5% Specific Gravity of Bitumen 1.0 Consultant Consultant Consultant Consultant ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING BUILDING DESIGN AUTHORITY (P) LTD INJOIN ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING BUILDING DESIGN AUTHORITY (P) LTD INJOIN ZHONGHENG CONSULTANCY PVT. LTD AND PLUS ENGINEERING CONSULTANCY PVT. LTD AND PLUS ENGINEERING
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			P.o No. 1		Flow mm		007	2.43	2.25	2.58	2.35		T				Τ		1 2	7			D PLUS]
			-		z	+				-			+							Country	Beinoo		BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITHIB N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P), LTD, KATHMANDU, NEPAL			6.	2
					Stability	002	LINE	(10411	2604/	(10933	/ 10805	2							2 8500	knoce Wil			LTANCY P		Y	Approved By Team Leader	Giresh Cha
				-	VMA%	1000	112.91	(17:30		Y	16.71								2 15	For (25-51)mm Thicknose WIC Courses			N. CONSUL				
				Air Voide		3.05	6112	(3.50	(3.11	(3.04	3.72								3-6%	For (25-5		Bring	E WITH B.	* JEGE	Birus		
				Mix Density	gm/cc	2375	2.361	2.361	2.364	2.365	2.366							/	Min2.358			(p) Ltu-18/	T VENTURE ECTS (P) DT	2	cous * Building)	
		(12-28)		Bitumen Context Free	Extraction Test	5.68	5/0	(5.96	(5.85	5.94	00.0								5.703	±0.3%		1	D IN JOINT	6,590	/		
		(AASHTO T 245-78)	20		0.075	6.60	7.42	8.02	6.22	7.72	6/-)					-	/		6 to 9	IIIN			ITY (P) LT				
ity	-02	(AASH	SUMMARY FOR THE MONTH OF NOVEMBER 2020	E	9.6	16.78	18.03	20.89	18.33	17.60	60.11					1			16-21	±1%			N AUTHOR				stra
Biratnagar Metropolitan City	Contract No: RUDP/ICB/BRT-02	DOH	NOVEM	Mix Agg Gradation % Passing Sieve Sizes mm	2.36	35.22	36.37	34.18	35.74	10.00	04000								33-37	±2%			IG DESIG			Verified By Expert Oty Surveyor/CSE	Intrajan Shre
ar Metro	io: RUDP/	Test Result BY MARSHALL METHOD	TH OF N	Mix Agg Gradation Passing Sieve Sizes n	4.75		-	-	+	56.14	TINC				4				54-59	±3%			BUILDIN	-	XiV	Expert Qty	H.K. Manda
Biratnaga	Contract N	ARSHAI	LNOW 3	Mix % Pass	9.5	77.21	80.06	81.39	81.94 80.07	81.89									76-82	±5%						2	
		EBY M/	OR THE		16		_	100	+					4					100-100	IIIN			AL ENGINEERING CO. LTD	1	Ma	Subfriftted By Contract Manager Rahindra Kr. Thaturr	
		Result	IARY F		20	100	100	100	100	100		-		-	+	-		+	100	±5%			INEERING				
		Tes	SUMN	Location of Work ch.		R-83,(0+000 to 0+348)	13L25C.(0+000 to 0+140)	L3L20E.(0+090 f0 0+248) R-4.(0+980 fa 1+193)	R-71.(0+000 to 0+105)	T2L18D,(0+000 to 0+085)									Specifacations	Job Mix Tolerances from RUDP Specifacation Table2-4-10		a c0. UContractory	12	and a second		+	
				Date of Laying		25/11/2020	27/11/2020	27/11/2020	28/11/2020	29/11/2020	/									Job Mix Toleranc			HONGHENG CO	١		2	
				S. LAB		1 266	-	-	5 270	6 271	1										REMARKS:		Z	. ,	A Particular	Engineer Dhirendra yadav	



			Summary Sheet of I	Monthly Test Repo	ort	12219			
						Mor			vember 2020
			Location:-T3L20	б Н		Typ	e of		o grade
Sn.	Lab.Ref no.	Location/Chainage		Date of Testing	MDD	OMC	PI%	CBR%	
1	RUDP-SG-01	T3L26H,(0+020)		9.5		1225.6.12			Remark
K		1312011,(0+020)	Existing Road	4-Nov-20	1.790	10.20	8.63	8.21	/
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			1			0.0	16-2		
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HON	GHENG CONS	Contractor TRUCTION GROU SINEERING COST	P INTERNATIONAL FD	PLUS ENG	SIGN AU	ONSULT & ARCH	FY (P) I ANCY	PVT I	TD AND
		MOHE SIE DE		1	* BirEinB	181	EPAL	1	_
	S h		RI	7.81	- nectile		Q		
	Engineer		Submitted By Contract Manager	Verified By Qty Engineer/CSE			Approv		
Dhire	endra vadav		Rabindra Kr. Thakur	Hk Mandal/Paion S	headha		Team L Giresh		



		i a	Summai	y Sheet	CUDP/ICB/	BRT-02			
			Locat	tion:-T3	261		Month Year	Nove 20	
			Local	Moistu	re content %	Density	ype of Material (gm/cc)	Sub-G Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Drv	Field Dry density,	Compaction	Specified %
1	RUDP-SG-FD-1, L/S		0+010	10.20	8.59	1.790	gm/cc 1.712	% 95.63	95
2	RUDP-SG-FD-1, R/S	5-Nov-20	0+030	10.20	9.54	1.790	1.722	96.18	95
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	ION GPC ON	Exclas					rity (P)		
zно	NGHENG CONSTRUCT				BUILDING DE	SICNAUTI	Consultant	TD IN ION T	
	ENGINEER	ING COSLTD	TERNATI	ONAL	WITH B.N. CO & ARC	DNSULTANC HITECTS (P	DEVIT LID	TD IN JOINT AND PLUS EN IMANDU, NEP	GINEERS
			1	1	1 8		Birtinagar	/	
4	Checked By				qu: X	······		06	
	Engineer		Submitte Contract M	anager	Verified B Expert Qty Survey	inr/CSE		Approved By Team Leader	
-	Dhirendra yadav		Rabindra Kr	Thakur H	I.K. Mandal/Rajan	Shrestha		Giresh Chand	



	November	Sub-base		Remarks															1			BUILDING DESIGN AUTHORITY D) LID IN JOINE VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL				BV	nd	
				6 CBR%	49.20	+												$\left \right $	20	8		VITH B. KATHM		X	\$	Approved By	Giresh Chand	8
	Month:	Type of Material	_	OMC PI%	6.08 1.97	-			+	-					-	+	1		yy	2		TURE V				App	Gire	
				NDD DOM	2.236 6.0	+		+	+	+					+	/	4	H	-			ECTS (10					
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			-	0.075 MI	10.72 2.2	-		-	+	+		_		_	-	A	-		15		A Charten Pone	THON NI	1	illar *				
			ght	1.18 0.0	18.31 10			+	+	+					1	-	-		~37 4~15		2	RSKL	10	Sitemaar *				
City I-02			By Wei	2.36 1	28.22 1			1	1	-			-		/				0-45 15			ORITY	1			SE	irestha	-2
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			assing %	5.0	38.49	39.15 28.15		1						1		T			30-60 2			AUTHO				Verified By Export Oty Surveyor/CSE	H.K. mandal/Rajan Shrestha	
T vldin DP/IC		.26E	1 mm / bi	10.0	76.04 58.61	76.07 59.04							1						40~75			DAND		J. t		Verified By	nandal/F	
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location :-T3L26E	Sieve Size in mm / passing % By Weight	20.0	-	-	_	+					A						65-95 50-85 40-75 30-60 20-45 15-37			DING I		7		Ve	H.K. n	
agar ct No: ry Shee		ation	Sie	0 37.5	91.86	92.18	_					A										BUIL						
Summa Summa		Loci		ng 63.0	100	100	-	+	+		1	/	-	-	+	-			it: 100			T			:	y ader	akur	
m 0				Date of Testing	6-Nov-20	7-Nov-20					/								Spec. Limit : 100			ERNATION		1	- Del	Submitted By Contract Manager	Rabindra Kr. Thakur	
				Source of Sample	Chisang Khola	Chisang Khola			/	/											Contractor	NOCOLLINS	1 010 10 11	n up. * 200		ů	Rat	
			Location of		T3L26E,,(0+080)	T3L26E,,(0+200)															Cont	ZHONGHENG CONSTRUCTION BUTTON TO THE REAL AT TOWARD	and a					
			_	Lab.Kel no.		RUDP-SB-02	/															ZHONGHEN				Checked By Engineer	Dhirendra Yadav	
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			1.1.1.1.1.1.1	mary Sil	eet of Field De	insity res	Month		
							Year		ember 020
9			Locat	ion:-T3	L26E re content %		Type of Material		-Base
	LIDC	m .:			e content %	Max.Dr	sity(gm/cc)	Compa	iction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	density gm/cc	density,	Compaction %	Specified %
1	RUDP-SB-FD-1	8-Nov-20	0+060	6.08	4.20	2.236	2.168	96.64	95
2	RUDP-SB-FD-1 RUDP-SB-FD-1	8-Nov-20	0+150	6.08	5.98	2.236		96.45 🖌	95
3	KUDP-SB-FD-1	8-Nov-20	0+230	6.08	5.11	2.236	2.150	96.15	95
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Z	HONGHENG CONS TERNATIONAL ENG	GINEERING CO	OUP D. LTD	BUILDIN CONSULT	NG DESIGN AU TANCY PVT. L	JTHORIT	Y (P) LTD IN 30 LUS ENGINEE MANDU, NEPAI	RS & ARCHITH	E WITH B.N. ECTS (P) LTD,
	ANDHZ # .(un os				131	191		
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0	> hat	61		7.	5			0/	2
in		Sulfitted P.		lorified D				- V	
		Sul/mitted By ontract Manage		verified B	y Surveyor/CSE			Approved B Team Leader	
		bindra Kr. Thaku			al/Rajan Shres	tha		Giresh Chan	



	th: November		ial Sub-base	PI% CBR% Remarks		1.19 40.05		2						4		<6 >30			E WITH B N CONSILT AND	D, KATHMANDU, NEPAL				Annoved By	Team Leader	Giresh Chand
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report	Month:	Year		: Size in mm / passing % By Weight MDD OMC	20.0 10.0 5.0 2.36 1.18 0.075	91.97 71.07 54.72 37.28 29.17 17.00 5.62 2.232 6.00					/	/				02~02 20~82 40~/2 30~00 20~42 12~37 4~15	. (Consultant	BUILDING DESIGN AUTHORITY (PULLIN) (2010)	PVT. LTD AND PLUS ENGINEERS & ARCHITECTS OF LTD, KATHMANDU, NEPAL	110 A Burn 110	, 	Art.			H.K. Mandal/Rajan Shrestha
Contract		,		Source of Sample Date of Testing	63.0	Chisang Khola 11-Nov-20 100			/	/	/-				100	a Duc Thunk 100 0		Contractor	RINTERNATIONAL	ALL STATE		C POLIDI. * ZIONO	14	Sulmitted Bv	Contract Manager	Rabindra Kr. Thakur
			F	Sn. Lab.Ref Location of	10.	1 RUDP-SB-01 11L16C,(0+110)	/												ZHONGHENG CONSTRUCTION GROU				- ANA	Checked By	Engineer	Dhirendra Yadav



			Summ	ary Sheet	of Field Den	sity Test			
						_	Month Year		ember 020
_			Locati	ion:-T11		23	Type of Material	Sub	-Base
				Moistur	e content %	Max.Dr	sity(gm/cc) y Field Dry	Compa	action %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	density gm/cc	density,	Compaction %	Specified %
1	RUDP-SB-FD-1, L/S	12-Nov-20	0+050	6.00	5.55	2.232	2.153	96.47	95
2	RUDP-SB-FD-1, C/L		0+130	6.00	5.01	2.232		96.74	95
3	RUDP-SB-FD-1, R/S	12-Nov-20	0+180	6.00	5.23	2.232	2.127	95.31	95
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1	ZHONCHENG CONSTE INTERNATIONAL ENGLI INTERNATIONAL ENGLI INTERNATIONAL ENGLI	NEERING CO.	UP LTD	BUILDIN CONSU	NG DESIGN A LTANCY PV	UTHORI T. LTD AY LTD, K	FY (P) LTD IN J D PLUS ENGIN THMANDU, M * Bits inquit	OENT VENTUR TEERS & ARCI IPAL	RE WITH B.N. HITECTS (P)
0	Wi We One	d'			J.N		-		/
Eng		Submitted By ontract Manage bindra Kr. Thak			Verified By t Qty Surveyor al/Rajan Shre			Approved I Team Leade Giresh Cha	er



			nmary Sheet of Mor		oort	Mor Ye Typ	ar	2	ember 020
-			6,(South of gole			Mate		Sub	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-S-01	R-6,(0+100)	Existing Road	4-Nov-20	2.040	7.20	4.76	7.70	
2	RUDP-S-02	R-6,(0+230)	Existing Road	4-Nov-20	2.020	7.75	4.50	7.14	/
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ZHON	GHENG CONS	Contractor ENTERNATION GROU GINEERING CO. L	P INTERNATIONAL TD	BUILDING JOINT VE PVT. ARCHITEG	G DESIC NTURE LTD AN	WITH F	HORIT B.N. CO ENGII	NSULT	ANCY &
Checke	d By er dra yadav	A CONTRACT OF	Submitted By Contract Manager Ravindra k. Thakur	Verified By Expert Qty Sur andal/Rajan S	veyor/CS	SE	Appro Team L	ved By	



		(Contract	t No:- R	etropolit: CUDP/ICB/ of Field Dens	/BRT-02			
							Month	Nover	nber
-		Loca	tion:-R-6.	(South of	golchha Roa	d) T	Year ype of Material	202	
				Moistur	e content %	Densit	y(gm/cc)	Sub-G Compac	
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction	Specifie %
1	RUDP-SG-FD-1, R/S	7-Nov-20	0+050	7.20	6.26	2.040	1.952	95.71	95
2	RUDP-SG-FD-1, L/S	7-Nov-20	0+100	7.20	5.87	2.040	1.954	95.77	95
3	RUDP-SG-FD-1, C/L	7-Nov-20	0+160	7.20	4.39	2.040	1.963	96.22	95
4	RUDP-SG-FD-1, R/S	7-Nov-20	0+210	7.20	5.76	2.040	1.943	95.23	95
5	RUDP-SG-FD-1, L/S	7-Nov-20	0+270	7.75	5.96	2.020	1.947	96.38	95
6	RUDP-SG-FD-1, R/S	7-Nov-20	0+310	7.75	4.84	2.020	1.956	96.81	95
8	RUDP-SG-FD-1, L/S RUDP-SG-FD-1, R/S	7-Nov-20	0+340	7.75	6.70	2.020	1.949	96.50	, 95
R	KUDF-50-FD-1, R/S	7-Nov-20	0+390	7.75	6.88	2.020	1.926	.95.37	95
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-	Con	tractor				100	Consultant	á)	
ZHO	ONGHENG CONSTRUCT	ION GROUP IN	TERNATI	IONAL	BUILDING D WITH B.N. C & ARG	ESIGN AUT ONSULTAN CHITECTS (HORITY (P) I CY PVT-1 PD P) LTD, KATI	ED IN JOINT	VENTURE IGINEERS PAL
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P	Engineer Dhirendra yadav	Cont	ract Manage	er I	Expert Qty Surv	eyor/CSE		Team Leader	
-	milenula yauav	Ravindra	a K. Thaku	r	H.K. Mandal/R	lajan Shresth	na C	Giresh Chand	



				Summar	v Sheet of Con	crete Cube	l'est Report	Г	P	age No 1 of 1	
				- ×	e			Month		Noven	nber
				*		-		Year		202 Conc.	
-			Turne of	Brand of	Source of	Date of	Date of T	pe of Material esting	Strength	N/mm2	Concrete
N.	Location	Lab Ref.no.	Type of Cement	Cement	Sand+Agg	Casting	7 Days	28 Days	7 Days	28 Days	Grade
1	TIL14C	RUDP-3706	Arghakhanchi	OPC	Chisang Khola	4-Oct-20	11-Oct-20	1-Nov-20	-	22.91	M20
2	T2L26H	RUDP-3707	Arghakhanchi	OPC	Chisang Khola	4-Oct-20 5-Oct-20	11-Oct-20 12-Oct-20	1-Nov-20 2-Nov-20		23.81 22.68	M20 M20
	N-1 R-6	RUDP-3708 RUDP-3709	Arghakhanchi Arghakhanchi	OPC	Chisang Khola Chisang Khola	6-Oct-20	13-Oct-20	3-Nov-20		21.89	M20
5	N-40	RUDP-3710	Arghakhanchi	OPC	Chisang Khola	6-Oct-20	13-Oct-20	3-Nov-20		22.44	M20
5	Koshi Yard	RUDP-3711	Arghäkhanchi	OPC .	Chisang Khola	6-Oct-20	13-Oct-20	3-Nov-20		23.28	M20
7	R-71	RUDP-3712 RUDP-3713	Arghakhanchi Arghakhanchi	OPC OPC	Chisang Khola Chisang Khola	7-Oct-20 7-Oct-20	14-Oct-20 14-Oct-20	4-Nov-20 4-Nov-20		22.20	M20 M20
8	T2L26H T1L8B	RUDP-3713 RUDP-3714	Arghakhanchi	OPC	Chisang Khola	8-Oct-20	15-Oct-20	5-Nov-20		23.28	M20
0	N-40	RUDP-3715	Arghakhanchi	OPC	Chisang Khola	9-Oct-20	16-Oct-20	6-Nov-20		22.60	M20
1	R-4	RUDP-3716	Arghakhanchi	OPC	Chisang Khola	11-Oct-20	18-Oct-20	8-Nov-20		21.81	M20 M20
12	N-1 N-40	RUDP-3717 RUDP-3718	Arghakhanchi Arghakhanchi	OPC OPC	Chisang Khola Chisang Khola	11-Oct-20 13-Oct-20	18-Oct-20 20-Oct-20	8-Nov-20 10-Nov-20		22.68	M20 M20
13	N-40 R-111	RUDP-3718 RUDP-3719	Arghakhanchi	OPC	Chisang Khola	14-Oct-20	21-Oct-20	11-Nov-20		22.81	M20
15	R-71	RUDP-3720	Arghakhanchi	OPC	Chisang Khola	14-Oct-20	21-Oct-20	11-Nov-20		23,62	M20
16	R-6	RUDP-3721	Arghakhanchi	OPC	Chisang Khola	16-Oct-20	23-Oct-20	13-Nov-20		23.73	M20
17	N-40 B-2(Branch)	RUDP-3722 RUDP-3723	Arghakhanchi Arghakhanchi	OPC OPC	Chisang Khola Chisang Khola	16-Oct-20 17-Oct-20	23-Oct-20 24-Oct-20	13-Nov-20 14-Nov-20		21.95	M20 M20
18	B-2(Branch) T2L26H	RUDP-3723 RUDP-3724	Arghakhanchi	OPC	Chisang Khola	19-Oct-20	26-Oct-20	16-Nov-20	- a large-	22.58	M20
20	Madhumara Yard	RUDP-3725	Arghakhanchi	OPC	Chisang Khola	19-Oct-20	26-Oct-20	16-Nov-20	-	32.66	M30
21	R-109	RUDP-3726	Ambe Hi-Tech	OPC	Chisang Khola	25-Oct-20	1-Nov-20	22-Nov-20	16.29 15.82	22.13	M20
22 23	R-29,Branch N-40	RUDP-3727 RUDP-3728	Ambe Hi-Tech Ambe Hi-Tech	OPC OPC	Chisang Khola Chisang Khola	25-Oct-20 26-Oct-20	1-Nov-20 2-Nov-20	22-Nov-20 23-Nov-20	15.82	21.97	M20 M20
23 24	N-40 N-39	RUDP-3728 RUDP-3729	Ambe Hi-Tech	OPC	Chisang Khola	26-Oct-20	2-Nov-20	23-Nov-20	17.15	21.65	M20
25	Madhumara Yard	RUDP-3730	Ambe Hi-Tech	OPC	Chisang Khola	27-Oct-20	3-Nov-20	24-Nov-20	22.76	32.89	M30
26	R-12	RUDP-3731	Ambe Hi-Tech	OPC	Chisang Khola	28-Oct-20	4-Nov-20	25-Nov-20	15.35	22.36	M20
27	R-109 T1L14C	RUDP-3732 RUDP-3733	Ambe Hi-Tech Ambe Hi-Tech	OPC . OPC	Chisang Khola Chisang Khola	29-Oct-20 30-Oct-20	5-Nov-20 6-Nov-20	26-Nov-20 27-Nov-20	16.60	23.07 23.36	M20 M20
28 29	Koshi Yard	RUDP-3734	Ambe Hi-Tech	OPC	Chisang Khola	31-Oct-20	7-Nov-20	28-Nov-20	16.60	22.99	M20
30	T3L11F	RUDP-3735	Ambe Hi-Tech	OPC	Chisang Khola	31-Oct-20	7-Nov-20	28-Nov-20	14.80	21.97	M20
31	R-121	RUDP-3736	Ambe Hi-Tech	OPC	Chisang Khola	1-Nov-20	8-Nov-20	29-Nov-20	15.19	23.68	M20 M20
32 33	R-109 R-12	RUDP-3737 RUDP-3738	Ambe Hi-Tech Ambe Hi-Tech	OPC · OPC	Chisang Khola Chisang Khola	3-Nov-20 3-Nov-20	10-Nov-20 10-Nov-20	1-Dec-20 1-Dec-20	16.36		M20 M20
34	Koshi Yard	RUDP-3739	Ambe Hi-Tech	OPC	Chisang Khola	4-Nov-20	11-Nov-20	2-Dec-20	15.35		M20
35	S-13,East	RUDP-3740	Ambe Hi-Tech	OPC	Chisang Khola	4-Nov-20	11-Nov-20	2-Dec-20	16.91		M20
36	TILI4C	RUDP-3741 RUDP-3742	Ambe Hi-Tech Ambe Hi-Tech	OPC OPC	Chisang Khola Chisang Khola	4-Nov-20 5-Nov-20	11-Nov-20 12-Nov-20	2-Dec-20 3-Dec-20	17.23		M20 M20
37	N-39 R-29,Branch	RUDP-3742 RUDP-3743	Ambe Hi-Tech	OPC	Chisang Khola	5-Nov-20	12-Nov-20	3-Dec-20	15.42		M20
39	Madhumara Yard		Ambe Hi-Tech	OPC	Chisang Khola	6-Nov-20	13-Nov-20	4-Dec-20	22.13		M30
40	N-40	RUDP-3745	Ambe Hi-Tech	OPC	Chisang Khola	6-Nov-20	13-Nov-20	4-Dec-20	15.42		M20
41	R-12	RUDP-3746	Ambe Hi-Tech	OPC	Chisang Khola	7-Nov-20 7-Nov-20	14-Nov-20	5-Dec-20 5-Dec-20	16.44		M20 M20
42 43	R-121 T3L11F	RUDP-3747 RUDP-3748	Ambe Hi-Tech Ambe Hi-Tech	OPC	Chisang Khola Chisang Khola	7-Nov-20 8-Nov-20	14-Nov-20 15-Nov-20	6-Dec-20	14.88		M20 M20
44	T3L11F	RUDP-3749	Ambe Hi-Tech	OPC	Chisang Khola	9-Nov-20	16-Nov-20	7-Dec-20	16.21	-	M20
45	Koshi Yard	RUDP-3750	Ambe Hi-Tech	OPC	Chisang Khola	9-Nov-20	16-Nov-20	7-Dec-20	16.83		M20
46	R-29,Branch	RUDP-3751	Ambe Hi-Tech	OPC	Chisang Khola	10-Nov-20 19-Nov-20	17-Nov-20	8-Dec-20	15.97		M20 M20
47	R-71	RUDP-3752	Ambe Hi-Tech	OPC	Chisang Khola	19-1400-20		onsultant	16.13		M20
I	ZHONGHER	CONST	RUCTION	ROUP			UTHORITY 7. LTD AND LTD, KAT	(P) UTD IN PLUS ENGI IMANDU, A	INEERS &		
NV N	the By		Sub	ned By	Verified By			anz magar		Approved F	
Eng	ineer endra Yadav		Contract	Manager K.Thakur	Expert Qty Su H.K. Mandal/R					Team Leade Giresh Chan	er 🛛

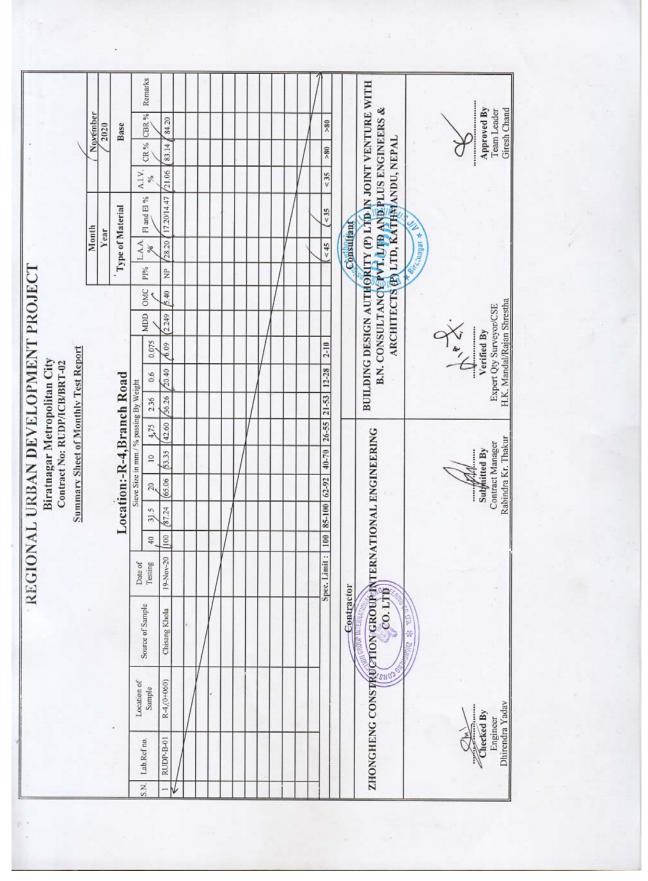


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			10				Month Year			mber 20
						т	ype of Material	1		Cube
N. Location	Lab Ref.no.	Type of	Brand of	Source of	Date of	Date of	A - Down and a state of the sta		N/mm2	Concrete
		Cement	Cement	Sand+Agg.	Casting	7 Days	28 Days	7 Days	28 Days	Grade
48 TIL14C	RUDP-3753	Ambe Hi-Tech	OPC	Chisang Khola	19-Nov-20	26-Nov-20	17-Dec-20	15.11		M20
49 T11.14C	RUDP-3754	Ambe Hi-Tech	OPC	Chisang Khola	20-Nov-20	27-Nov-20	18-Dec-20	16.91		M20
50 R-4,Branch 51 Koshi Yard	RUDP-3755 RUDP-3756	Ambe Hi-Tech Ambe Hi-Tech	OPC OPC	Chisang Khola Chisang Khola	20-Nov-20 20-Nov-20	27-Nov-20	18-Dec-20	17.07		M20
52 R-12	RUDP-3757	Ambe Hi-Tech	OPC	Chisang Khola	20-Nov-20 21-Nov-20	27-Nov-20 28-Nov-20	18-Dec-20 19-Dec-20	15.97		M20 M20
53 R-4,Branch	RUDP-3758	Ambe Hi-Tech	OPC '	Chisang Khola	22-Nov-20	29-Nov-20	20-Dec-20	17.23		M20 M20
54 R-121	RUDP-3759	Ambe Hi-Tech	OPC	Chisang Khola	23-Nov-20	30-Nov-20	21-Dec-20	15.89		M20
55 Madhumara yard	RUDP-3760	Ambe Hi-Tech	OPC	Chisang Khola	23-Nov-20	30-Nov-20	21-Dec-20	21.73		M30
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	Contrac	tor				- 6	onsultant	1		7
ZHONOHE		_	ROUP CO. LTD	BUILDING I CONSULT/	DESIGN AU	THORITY LTD AND LTD, KATH	(P) LTD IN PLUS ENGI IMANDU N	IOINT VE NEERS & . EPAL	NTURE W ARCHITE	ITH B.N. CTS (P)
M	HONOHZ Ste TOS		A	J.X		10	Kainayat A		ab	
hecked By		Subr/it Contract		Verified By Expert Qty Sur H.K. Mandal/Raj				Т	pproved B eam Leader	r



	November	2020		Remarks	1	1							B.N.				~	
	Nove	2	N/mm ²	28 Days	45.31	46.33	2			>43			RE WITH TECTS (P			5	Approved By	Giresh Chand
	-		Strength N/mm ²	3 days		26.53				>23			T VENTU & ARCHI		C	H		
	Month	Year	Testing	28 Days	8-Nov-20	29-Nov-20					tant	121	UTD IN JOIN	*				
KOJEC			Date of Testing	3 Days	14-Oct-20	4-Nov-20				10	Consultant	1001	HORUTY (P) AND PLUST KATHMANI	* yelleur				
INLEINT I I City 18T-02 TEST			Date of	Casting	11-Oct-20	1-Nov-20							BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLOS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU NEP AL		1	-	y montoer	Shrestha
Denitar P/ICB/B CEMENT			Fineness	(%)		2.10				<10			LDING D		0	N X	Verified By Evnert Oto Summar/PSE	Lapar cy our cyou con-
LUEVI r Metro o:- RUD sheet of			Soundnes Fineness	s(mm)		2.79				<10			BUI				Evnar	H.K. M
Biratnagar Metropolitan City Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 SUMMARY SHEET OF CEMENT TEST			ne	inal (min)		265.00				Max-600			7					
			Consistancy & Setting Time	nitial(Min) F		95.00				Min-30			NATIONA	6		1	SV Sv	lakur
REGIONAL URBAIN DEVELUEMENT FRUJECT Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 SUMMARY SHEET OF CEMENT TEST			Consistancy	Normal Cons.(%) Initial(Min) Final (min)		31.20					tor	Va	ZHONGHENG CONSTRUCTION CRUUP INTERNATIONAL		1	had	Submitted By	Rabindra Kr. Thakur
			Tetsing Date			1-Nov-20				Sp.Limit:	Contractor	Calle & House	STRUCTION	COULD INTERL				
			Lab S.N. Ref. no Type of cement Tetsine Date		Sarbottam	Ambe hi-tech			-	Sp.I		1	VGHENG CO				flecked By Engineer	Dhirendra yadav
	,		Lab Ref.no		75	76							ZHO		MC		Finei	Dhirend
			S.N.		1	2		Color.								1		





Regional Urban Development Project (RUDP)

		ONAL U	Biratna Contrac	agar M t No:- F	etropolit CUDP/ICB	an City /BRT-02			
							Month	Nove	mber
		Ta	ation 1	D 4 D			Year		120
1		Luc		K-4,Bra	nch Road		ype of Material y(gm/cc)		ction %
	•					Max.Dry	Field Dry	Compa	and the second second
1.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	density	density, gm/cc	Compaction	Specified %
1	RUDP-B-FD-1.R/S	21-Nov-20	0+030	5.40	(5.19	(2.249	(2.221	(98.75	98
1	RUDP-B-FD-1,R/S	21-Nov-20	0+060	5.40	(5.45	(2,249	2.218	/98.62	98
1	RUDP-B-FD-1, L/S	21-Nov-20	0+110	5.40	(5.24	2.249	2.224	/98.90	98
t						1	2.221	(10.10	70
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-	Continac	tor					onsultant		
I	ZHONGHENG CONSTR NTERNATIONAL ENGI	RUCTION GRO	UP LTD	BUILDIN	G DESIGN A LTANCY PV	UTHORITY F. LTD AND	(P) LTD IN JO PLUS ENGIN	DINT VENTUR EERS & ARCH	E WITH B.N. IITECTS (P)
	TTO. # ZHONGHENS	00000 1			0/	13	HMANDU, NE	140	
	one of the	- 11			X	*1	Piramagar *	./	1000
	- State			d			-	æ	
	Checked By	Submitte	d By	Veri	fied By			Approved B	
	Engineer Dhirendra Yadav	Contract Ma Rabindra Kr.	Thekur		Surveyor/CSE	othe		Team Leader	
	Drinenula rauav	Rabinula Ri.	Thakui	n.k. Mano	dal/Rajan Shre	estna		Giresh Chan	d





					RUDP/IC				
							Month		ember
				Location		a mit	Year Type of Material		020 ase
-					e content %	Densit	y(gm/cc)		ase action %
Sn.	Lab.Ref.no	Testing Date	Chainage	омс%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction	Specified %
1	RUDP-B-FD-1, R/S	12-Nov-20	0+030	\$5.25	5.06	(2.246	2.211	(98.44	98
2	RUDP-B-FD-1, C/L	12-Nov-20	0+060	(5.25	5.25	\$2.246	2.218	(98.75	98
3	RUDP-B-FD-1, R/S	12-Nov-20	0+090	(5.25	4.39	62.246	2.212	/98.49	98
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	CO UD. 3	E ZHONGUS				Aut	hority (p)		
_	Contrac	tor		DUU DU	C PECICIN .	(8/ C	onsultant		
1	ZHONGHENG CONSTI NTERNATIONAL ENGL	NEERING CO.	DUP LTD	CONSU	JLTANCY PV	T. LTD AND	(P) LTD IN JO PLUS ENGINI HMANDU, NEI	ERS & ARCH	E WITH B.N. ITECTS (P)
	Checked By Engineer	Submittee Contract Ma	i By	Verif	Fied By Surveyor/CSE	* Birein	ayar * M	Approved E	
	Dhirendra Yadav	Rabindra Kr.			dal/Rajan Shre	estha		Team Leader Giresh Char	



			Remarks												1			BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUSENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	-	\ ;		
	November 2020	Base	CBR %	3.80		-		-		-	-		+		V VOY	0.0		TURE	1	J	Approved By Team Leader Giresh Chand	
	No	0	S. %	81.79 83.80										1	00			T VEN ERS &		30	Appr Team Gires	
		- 4	ALV.	20.53										I	120	1002		N JOIN NGINE) NEPAL				
	e .	aterial	FI and El %	22.30/17.56									1		1.26		ant	V AUTHORITY (P) LTD IN JOIN V PVT. LTD AND PLUSENGINEE (P) LTD, KATHMANDU, NEPAL				
	Month Year	Type of Material	LAA F	50.96 (2									A		146	,	Consultant	(I) AND AND MHTV	* Jeffin.	-		
5		. 1	OMC PI%	5.00 (NP	-	-			_				-	-			(BE	THOR L.LTD TD, K	1			
			MDD OM	2.250 5.0	+			-		-	+	H	+	+		-		GN AU CY PV (P) L			Verified By Export Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha	
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			0 075							+	1/		1		01-0			DESI		1.7.V	vermed by Export Qty Surveyor/CSE I.K. Mandal/Rajan Shresth	
City -02 Report			ight 0.6	11.21							1				86-01			CONSU	-	6	port Qty . Manda	
litan (B/BRT V Test		25C	ng By We								1				21.53					н - д н	Ex H.K	
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location:-T3L25C	Sieve Size in mm / % passing By Weight 20 10 4 75 2 36 0	N	_				-	1					55-96 0			0.LTD			. 4	
gar M ENo: R heet of		tion	Size in mm	S	-		+		_	4	-				92 40-7			NG CO		11	Contract Manager Rabindra Kr. Thakur	
iratna ontract mary S		Locz	Sieve Si 345 20	88.18 66.30	+		+		1	-	-				00 62-0			NEERI		11	Contract	
		. *	40 3	(100 88	+	-	-		4	-	-	_			100 85-			ENGI			0 2	
			Date of Testing	6-Nov-20				/							Spee. Limit: 100 85-100 62-02 40-70 26-55 21-53 12-28 2-10			IONAL				
				+			-	H	-	-	-		-		Spec.]		-	RNAT				
4			Source of Sample	Chisang Khola			1										Contractor	P INTE	-			
			Source	Chisa			\bigwedge										Ŭ	CERON				
			J	80)								3					1	OVERTRUCTION DEP				
			Location of Sample	T3L25C,(0+080)		/									-			STRUC		1	lav	
			L	T3L														Contraction of the second	1	ALL A	Engineer Dhirendra Yadav	
			Lab.Ref no.	RUDP-B-01	1							1						HENG		XI	E	
			S.N. Lab.F	++	A				-			_						ZHONGHENG CONSTRUCTION CROUP INTERNATIONAL ENGINEERING CO. LTD				





			Sumn	ary Shee	letropolita RUDP/ICB/ t of Field Densi	ty Test	2		
						14 C	Month Year		mber
			Loca	tion:-T3	BL25C		Type of Material)20 ase
					re content %		sity(gm/cc) ry Field Dry	Compa	ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density gm/cc	y density,	Compaction	Specified %
1	RUDP-B-FD-1	8-Nov-20	0+040	(5.00	(3.53	(2.250		(98.30	(98
2	RUDP-B-FD-1	8-Nov-20	0+110	(5.00	(4.65	(2.250	(2.237	(99.42	(98
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IN	ZHONGHENG CONSTR INTERNATIONALENGE	UCTION CRO	UP LTD	BUILDIY CONSULT	NG DESIGN AU TANCY PVT. LT	THORITY D AND PI	(P) LTD IN JOI US ENGINEER	S & ARCHITE	WITH B.N. CTS (P) LTD
	. A.	Part	/	d	».×	6*	Biremagar *	R	
2	Checked By Engineer Dhirendra Yadav	Subfinitted Contract Ma Rabindra Kr.	nager I	Expert Qty S	fied By surveyor/CSE al/Rajan Shresth	าล		Approved By Team Leader Giresh Chand	



	Ref no.	Su Location of	ummary Sheet of M	lonthly Test Repo	rt	Mon Ye				
1 RUD		Location of				Ye	ar		vember	
1 RUD		Location of				Турс			020	
1 RUD		Location of		1		Mate		Sub	grade	
		Sample	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remarks	
	P-SG-01 (N-35,(0+030)	Existing Road	25-Nov-20	(1.875	(8.90	7.47	6.11	1	
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ZHONGHE	CONSTRUC	EBING CO. LTI	INTERNATIONAL D	PLUS ENG	SIGN AU H B.N. C INEERS KATHM	ANDU,	ГҮ (Р) I АNCY ITECT	LTD IN . PVT. LT S (P) LT	JOINT FD AND FD,	
<u>ehi</u>		•	A	9.28		lyar ¥ M	N	/		
hecked By ngineer hirendra Yada	٩V	F	Submitted By Contract Manager Ravindra K. Thakur	Verified By Expert Qty Surveyor Mandal/Rajan shre	/CSE stha		Approv Team L	ed By		



Image: New Im			REGIONA	Biratn Contrac	agar Me t No:- R	VELOPME tropolitan Ci UDP/ICB/BR f Field Density	ity T-02	DJECT		
Location:-N-35 Type of Matrial Sau-Grade Sn Lab.Ref.no Testing Date Chanage Moisture content % Density (20102) Compaction % 56 1 RUDP-SG-FD-1, RHS 26-Nov-20 0+000 (& 90 7.82 (As75) 1.807 96.38 95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+070 (& 90 7.13 (1.875) 1.807 96.38 95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+070 (& 90 7.13 (1.875) 1.807 96.38 95 1 1 1 1.807 96.38 95 1.807 96.38 95 1 1 1 1.807 96.38 95 1.807 96.38 95 1 1 1 1.807 96.38 95 1.807 96.38 95 1 1 1 1 1.807 1.807 1.807 1.807 1.807 1.807 1.807 1.807 1.807 1.807 1.807							F			
Sn. Lab.Ref.no Testing Date Chanage OMC% Field MC% Max.Dry Field Dry Compaction Specified 1 RUDP-SG-FD-1, RHS 26-Nov-20 0+030 (8.90 7.82 (1.875 1.785 5.23 .95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+070 8.90 7.13 (1.875 1.807 96.38 .95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+070 8.90 7.13 (1.875 1.807 96.38 .95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+070 8.90 7.13 (1.875 1.807 96.38 .95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+070 8.90 7.13 1.875 1.807 .96.38 .95 3 1 <th></th> <th></th> <th></th> <th>Loc</th> <th>ation:-N</th> <th>-35</th> <th></th> <th>Type of Material</th> <th></th> <th></th>				Loc	ation:-N	-35		Type of Material		
1 RUDP-SG-FD-1, RHS 26-Nov-20 0+030 (8.90 7.82 (1.875 1.785 95.23 95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+030 (8.90 7.13 (1.875 1.807 96.38 95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+070 8.90 7.13 (1.875 1.807 96.38 95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+070 8.90 7.13 (1.875 1.807 96.38 95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+070 8.90 7.13 (1.875 1.807 96.38 95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+070 8.90 7.13 (1.875 1.807 96.38 95 3 9 9 9 9 9 9 9 9 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	C.	Lob Defee	T	01		re content %				
1 RUDP-SG-FD-1, RHS 26-Nov-20 0+030 (8.90 7.82 (1.875 1.785 95.23 95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+070 8.90 7.13 (1.875 1.807 96.38 95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+070 8.90 7.13 (1.875 1.807 96.38 95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+070 8.90 7.13 (1.875 1.807 96.38 95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0+070 8.90 7.13 (1.875 1.807 96.38 95 2 RUDP-SG-FD-1, LHS 26-Nov-20 0	511.				Olvie 76	Field MC%			1.22 Contraction of the second s	4
LIONGIU MI CONTRUCTION CROLP INTERNATIONAL EXEMPTION CROLP INTERNATION	-								95.23	
ZIONGIU SE CONTRACTO SERVICES CONTRACTIONAL ENGINEERING CO. LTD SUBMICED CONTRACTO SERVICES SUBMICED CONTRACTO SERVICES SUBMICED CONTRACTOR SUBJECT CONTRACTOR		RUDP-SG-FD-1, LHS	26-Nov-20	0+070	8.90	7.13	(1.875	1.807	96.38	95
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL Amount with the second	R				·		0			
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY DVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL Amount with the second										
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************	-									
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************										
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************		./								
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************										
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ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************	-									
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************	-		1			1				
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************										
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************		3								
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************										
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************										
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ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************	-									100
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************	-									
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************	-				_					
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************	_									
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************							/			
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************							/			
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************							1	N		
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************										
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************	-									
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************	-									
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************										
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************	_						21.			
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY DVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL Amount with the second									1	\
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************										1
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************										/
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY DVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL Amount with the second										
ZHONGHERE Consultant ZHONGHERE CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN ACTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL ARCHITECTS (P) LTD, KATHMANDU, NEPAL ************************************	_	15-2-	1			and the second	/	Authority		
ARCHITECES(P) LTD, KATHMANDU, NEPAL		NON GROUP INTE CONT	ractor	-			6	Consultant		
ARCHITECES(P) LTD, KATHMANDU, NEPAL	ZH	ONGHENG CONSTRUCTI	ON GROUP IN	TERNATI	ONAL	BUILDING DI	ESIGN AUT	HORITY (P) I	TD IN JOINT V	ENTURE
ARCHITEC ESPELID, RATHMANDU, NEPAL ARCHITEC ESPELID, RATHMANDU, NEPAL Architectory Lib, RATHMANDU, N		ENGINEER	NG CO. LTD			WITH B.N. CO	JNSULIA	CYPVI, LTD	AND PLUS EN	GINEERS
hecked By hecked By ngineer brender Contract Manager Expert Qty Surveyor/CSE Cambridger Contract Manager		the state	11	1		& ARC	MIECES	P) LID, KATE	MANDU, NEP.	AL
hecked By Submitted By Verified By Approved By ngineer Contract Manager Expert Qty Surveyor/CSE Team Leader		COMORY ME OT		11 .		1 81	14	Since all's	./	
hecked By Sulfmitted By Verified By Approved By ngineer Contract Manager Expert Qty Surveyor/CSE Team Leader	Sh	4		Ph		d		magar * 1	æ	
ngineer Contract Manager Expert Qty Surveyor/CSE Team Leader	hecke	ed By	Sult	nitted Ry						
birondra Vadau	ngine	eer	Contra	ct Manage			wor/CSE			
	hiren	ndra Yadav	Ravindr	a K. Thaku	ır	H.K.Mandal/Ra	ajan Shresth			



		<u>S1</u>	immary Sheet of M	Ionthly Test Repo	rt				
						Mon Yes		-	ember 020
			Location:-R-111	4		Type Mate	of		grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	оме	PI%	CBR%	Remark
1	RUDP-SG-01	R-111A,(0+030)	Existing Road	7-Nov-20	1.958	(7.15	(7.01	(7.40	
~		Ke to the		7 1107 20	1.550	C7.15	(7.01	(1.40	
-	-								
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	/	Contractor		DUU DING DU	Co	onsultant	1		
HON	GHENG CONS	TRUCTION GROUP	INTERNATIONAL	BUILDING DE VENTURE WIT	BIGN AL	ONSULT	TY (P) I ANCY	PVT L	JOINT
	E	GINEERING CO. ET	D	PLUS ENG	INEERS	& ARCH	ITECT	TS (P) LT	TD,
_		NONOHZ * OU.03.91			KATHM	ANDU, N	EPAL		
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	-m-		Λ.	X	- ogga	~		/	
			fp.e.f	- d.			0		
	hecked By Engineer		Submitted By Contract Manager	Verified By Expert Qty surveyor	ICSE			ved By	
	endra Yadav	F	Rabindra Kr. Thakur	H.k. Mandal/Rajan S	Shrestha		Team L Giresh	Chand	



Page 104 of 144

							Month	Nover	
			Loca	tion:-R-	111A	T	Year ype of Material	202 Sub-G	
					re content %	-	(gm/cc)	Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction	Specifie %
1 2	RUDP-SG-FD-1, R/S RUDP-SG-FD-1, L/S	8-Nov-20	0+020	(7.15	6.60	(1.958	(1.891	(96.57	(95
K	KUDP-SG-FD-1, L/S	8-Nov-20	0+050	(7.15	(6.13	(1.958	(1.889	(96.99	(95
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	CION GROCON	tractor				3	Consultant		-
zно	NGHENG CONSTRUCT	ING COLUTD	TERNATI	IONAL	WITH B.N. C	ESIGN AUTI	HORITY (P) CY PVT LTD	TD IN JOINT AND PLUS EN MANDU, NEP	CINEERS
		-				10	reinayar *	/	-
	21		1	1	2	6	_	\wedge	
	Cheeked By				- d'			<u> </u>	
	Engineer		Submitte Contract M		Verified Expert Qty Surve			Approved By	
	Dhirendra Yadav		Rabindra Kr		H.K. Mandal/Raja			Team Leader Giresh Chand	



						Mor			ember
			Lestin D (D			Ye Typ	e of		020 grade
	Lab.Ref no.	Location/Chainage	Location:-R-4,Br			Mate			grade
Sn.			Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-SG-01	R-4,(0+040)	Existing Road	6-Nov-20	(1.963	(7.00	8.55	(8.46	
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-	1					/			
-							<18	123	~
HON	GHENG CONS	TRUCTION GROUP GINEERING CO LT	INTERNATIONAL D	PLUS ENG	H B.N. C	ONSULI & ARCH	FANCY HITECT	PVT. L' IS (P) L'	TD AND
-	(one co. ris sin and	4		KATHM	IANDU, N	NEPAL		
E	hecked By		Submitted By Contract Manager	Verified By Expert Qty surveyo	/CSF		Appro Team I	ved By	
Dhire	endra Yadav	F	Rabindra Kr. Thakur	H.k. Mandal/Rajan S	Shrestha			Chand	



Page 106 of 144

		ĉ	Contract	t No:- R	etropolits UDP/ICB/ of Field Densi	BRT-02			
			Summar	y Sheer o	of Field Delis		Month	Nover	nber
		I	ocation:-	R-4.Bra	nch Road		Year ype of Material	2020 1 Sub-Grade	
				Moistur	e content %	Densit	y(gm/cc)	Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specified %
1	RUDP-SG-FD-1, L/S		0+030	\$7.00	6.56	(1.963	1.877	95.63	95
2	RUDP-SG-FD-1, C/L		0+065	(/7.00	6.77	(1.963	1.893	96.46	95
3	RUDP-SG-FD-1, L/S	7-Nov-20	0+110	7.00	5.22	/1.963	1.875	95.52	95
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	Con	tractor			-	.on	Authority		
	(Still	1. 1. 1.			BUILDING D	ESICIA	Consultant		
ZHO	ONGHENG CONSTRUCT	ION GROUP II	NTERNAT	IONAL	WITH B.N. C	ONSULTA	CY/PVD LFD	TD IN JOINT	VENTURE
	SN3H9NOHZ	* 00 00 00			& AR	CHITECTS	(P) LTD, KATI	AND PLUS EN HMANDU, NEI	AL
						- fat	Einagar *	/	
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	Shi		10h	/	di,	K		K	
-	Checked By		Submitt	ed By	Verified	Bv		Approved By	
	Engineer Dhirendra Yaday		Contract N	Aanager	Expert Qty Surve	eyor/CSE		Team Leader	
_	Simonula Tauav		Rabindra K	rinakur	H.K. Mandal/Raja	n Shrestha	100	Giresh Chand	



		-	Summary Sheet of Mo	itilly rest Report		Mo			ember
			Location	. D 7		Уе Тур	e of	1	grade
Sn.	Lab.Ref no.	Location/Chainage			1.06	Mate	1	V	
1	RUDP-SG-01		Source of Sample	Date of Testing	MDD	омс	PI%	CBR%	Remark
~	KUDP-3G-01	R-7,(0+080)	Existing Road	2-Nov-20	(1.970	(7.80	(6.28	(.7.05	
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	NGH2H3N	0/12 * .01.03 0100			MATUM	Shr. mano	EFAL		
			R	fix			K	/	
	hecked By Engineer		Submitted By Contract Manager	Verified By	05/055		and the second second	ved By	
Dhir	endra Yadav		Rabindra kr. Thakur	Expert Qty Survey H.K. Mandal/Raja	n Shrest	na	Team L Giresh	Chand	



	KEG	UNAL	Biratna	agar M	etropolit RUDP/ICE	an Cit	NT PRO	JECT	
					of Field Den:		4		
							Month		ember
			Loc	ation:-R-	7	1	Year Type of Material	/	-Grade
-				Moistur	e content %		sity(gm/cc)	Compa	action %
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dr density gm/cc	density,	Compaction	Specifie %
1	RUDP-SG-FD-1, L/S		0+060	7.80	(1.01	(1.970		(95.23	(95
2	RUDP-SG-FD-1, C/L		0+120	7.80	(6.76	(1.970		(95.99	(95
3	RUDP-SG-FD-1, R/S	5-Nov-20	0+170	7.80	(5.85	(1.970	(1.904	(96.64	(95
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	and the second second	0							
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-	Co	ntractor				-	1 all	2	8.1
711		'			BUILDING	DESIGN	Consultan	LED VION	
ZH	ONGHENG CONSERUC	RING CO. LTD	NTERNATI	IONAL	WITH B.N. O	CONSULT	ANCY PVT. LT IS (P) LTD, KAT	D AND PLUS E	NGINEERS.
	STIDIONONZ # "	A DO DUNIE					Birainagat *	1	(2) (1)
			1	1	75	X.			
	M				U.			R	
	Checked By Engineer		Submitte		Verified			Approved By	
D	Dhirendra yadav		Contract M Rabindra Kr	r. Thakur	Expert Qty Sur H.K. Mandal/R	ajan Shrest	ha	Team Leader Giresh Chand	
								Chung -	



	REC	B	RBAN DEV iratnagar Met ontract No:- RU Summary Sheet of Me	ropolitan Cit DP/ICB/BRT-	ty 02				
				1			nth: ar		vember 2020
			Location:-	T3L24B		Typ Mat	e of erial	Sut	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	омс	P1%	CBR%	Remark
1	RUDP-SG-01	T3L24B,(0+050)	Existing Road	3-Nov-20	(1.948	(8.20	7.78	(6.91	
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		Sp.Lii					1	\nearrow	~
ZHO	NGHENG CON	Contractor STRUCTION GROUI NGINEERING CO. LT	P INTERNATIONAL TD	BUILDING DE VENTURE WIT PLUS ENG	SIGN AU H B.N. C INEERS	ONSULT	TY (P) I ANCY UTECI	PVT. LT	FD AND
1	hecked By Engineer endra yadav		Submitted By Contract Manager Rabindra kr. Thakur	Verified By Expert Qty Survey H.K. Mandal/Rajar	or/CSE 1 Shresth		Approv Team L Giresh	ved By eader Chand	



Sn.				and y SI	heet of Field De		Month	N	
			Loo					INON	ember
				ation:-T3L	24B	7.	Year pe of Material	2	020
					re content %	Density		the second s	-Grade action %
1	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/co	Field Dry density,	Compaction	Specified %
	RUDP-SG-FD-1, R/S	5-Nov-20	0+020	8.20	(7.15	1.948	gm/cc (1.858	/%	
	RUDP-SG-FD-1, C/L	5-Nov-20	0+045	8.20	(6.51	1.948	(1,855	95.37	(95
3	RUDP-SG-FD-1, L/S	5-Nov-20	0+065	(8.20	(6.55	/1.948	1.906	/97.83	/95
				V	1	((1.500	(11.05	(93
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	TION GROUN	PINTERNATIO				1.1	Authority	P	
	Co	ntractor (/	Consultan	181	
ZHO	ONGHENG CONSTRUC	FION GROUP IN	TERNATIO	ONAL	BUILDING DE	SIGN AUTHOR	RITY (P) I TO	IN JOINT VENTI	RE WITH B.N.
	ENGINEE	RING CO. LTD			CONSULTANCY	PVT. LTD AN	DPLUS ENG	NEERS & ARCH	ITECTS (P) LTD
	MOHZ :	Ne .011.09 000				KA	EUMANDU, N		
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	011-		1	1	18	4		. /	
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-	Checked By		Submitt		Verified I	By		Approved By	
Dh	Engineer irendra yadav		Contract N Rabindra Ki	fanager E	Expert Qty Surveyo I.K. Mandal/Rajan	or/CSE		Team Leader	
_			Raomara R	. Thakui [r	i.K. Manual/Kajan	Shrestha		Giresh Chand	



		<u>S</u>	ummary Sheet of M	onthly Test Repo	rt				
						Mor Ye			ember 020
			Location:-N-34			Type Mate	e of		grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	ОМС	PI%	CBR%	Remar
1	RUDP-SG-01	R-N-34,(0+060)	Existing Road	9-Nov-20	(1.936	8.10	7.63	4.72	>
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CHON	NGHENG CONS ENC	Contractor P NITEMATION TRUCTION GROUP TRUCTION GROUP TINEERING CO. LT	INTERNATIONAL D	BUILDING DE VENTURE WITI PLUS ENG	SIGN AU BIGN AU H BINIC INFERS	ONSULT	FY (P) I ANCY ITECT	PVT. LT	D AN
	THOM2	* UI 02 900			KAPHM	ANDU, N	EPAL		
1	Thecked By Engineer rendra Yadav	F		Verified By Expert Qty surveyor, H.K. Mandal/Rajan S	/CSE		Approv Team L Giresh	eader	



			Summar	y Sheet o	of Field Densi	ity Test			
							Month Year	Nover 202	
		1	Loc	ation:-N-	-34		Type of Material	(Sub-G	rade
					e content %		ity(gm/cc)	Compac	tion %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density gm/ec		Compaction %	Specifie
1	RUDP-SG-FD-1, R/S		0+040	\$8.10	(7.40	(1.936	(1.869	96.52	/ 95
2	RUDP-SG-FD-1, L/S		0+090	(8.10	6.12	(1.936	(1.860	96.09	,95
3	RUDP-SG-FD-1, L/S	10-Nov-20	0+140	(8.10	76.67	(1.936	1.908	98.57	95
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	CTUN CTUN	ATION				- /	Consultant		
ZHC	213110	ING COLLTD	NTERNAT	IONAL	WITH B.N. C	ONSULTA	THORITY (P) I NCY PVT, LTD 3 (P) LTD, KAT	AND PLUS EN	GINEER
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	A LAND				T.				
	Checked By Engineer		Submitt Contract N		Verified	By		Approved By	
	Dhirendra Yadav		Rabindra K	-	Expert Qty Surve			Team Leader Giresh Chand	



	November 2020	Sub-base		CBR% Remarks	(42.30	2													530		BUILDING DESIGN AUTHORITY (P) LTDAN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	Approved By Team Leader	Giresh Chand
	Month: Year	Type of Material		OMC PI%	(4.90 b.84	1		-	-							×	$\left \right $		8		VENTUR	Appro	Gire
			-	0 DDM	(2.221											1	\square				N JOINT NEERS & EPAL		
		•		0.075	5.18											1			4~15	Collection	(P) LTD US ENGI ANDU, N	A * under	
			y Weight	2.36 1.18	28.28 16.53			_	-			_	-		A				65-95 50-85 40-75 30-60 20-45 15-37 4-15	0	ANDRITY		nrestha
BITATINAGAT MELTOPOLITAN CITY Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		-	Sieve Size in mm / passing % By Weight	5.0 2.	34.91 28.			+	-	+		-		1		+		+	0~60 20-		IN AUTH	Verified By Expect Oty Surveyor/CSF	H.K. Mandal/Rajan Shrestha
OLITAT ICB/B		R-28	mm / pas	10.0	48.82 3							1	1	1			Ħ		40~75 3		G DESIG	Verified By	landal/F
europ UDP/ Monthl		29 to	e Size in	20.0	71.26								1						50~85		NICLIN	Ver	H.K. N
ar m No:- R Sheet of		-7,(R-	Sieve	37.5	89.84							Á									COL		
Contract No:- RUDP/ICB/BRT-C Summary Sheet of Monthly Test Report		n :-R		ng 63.0	100			+	-		I	-	+			-		-	it: 100		NAL	By ager	hakur
Con		Location :-R-7,(R-29 to R-28)		Date of Testing	7-Nov-20												8		Spec. Limit :		ERNATIO	Submitted By Contract Manager	Rabindra Kr. Thakur
		Γ	Source of		Chisang Khola															Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL	Sup	Rabin
			Location of	Sample	R-7,(0+080)		./	/												Con	CONSTRUCT)	
			Lab.Ref	no.	RUDP-SB-01		/														ONGHENC	Checked By Engineer	Dhirendra yadav
			c	Sn.	1	1		1				1	T	T	+			1	1		HZ	Chec	Dhiren

			Sumn	nary Shee	t of Field Den:	sity Test		1.1	
						-	Month Year	Nover 202	
		I	ocation:-	R-7.(R-2	9 to R-28)	1	Year Type of Material	202 Sub-l	
-				Moistur	e content %		y(gm/cc)	Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction	Specified %
1	RUDP-SB-FD-1, R/S	8-Nov-20	0+020	4.90	(4.06	2.221	2.170	(97.72	95
2	RUDP-SB-FD-1, CL		0+100	(4.90	(A.64	(2.221	(2.174	(97.90	95
_	RUDP-SB-FD-1, R/S		0+150	(4.90	4.82	/2.221	(2.141	/96.41	95
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-	Contrac	tor					onsultant		
,	ZHON GIVEN GROUP MILES	INEERING CO	OUP . LTD	BUILDI CONSUL	NG DESIGN A TANCY PVT. I	UTHORITY	(P) LTD IN JC	DINT VENTURE RS & ARCHITE L	C WITH B.N. CCTS (P) LTI
		A.		0		4	UILA	~/	
	The state of the s	Submitted By		Verified E				Approved B	
		ontrad Manage abindra Kr. Thak			Surveyor/CSE dal/Rajan Shres	stha		Team Leader Giresh Chan	
me	and I and V K	ionora KI, Tilak	u		an ajun onles			Onean Orlan	



	November	Suh-base		% Remarks	0	A								1			(ITH B.N. IS (P) LTD,				Bv		DUI	
	Month: Vear	Type of Matarial		OMC PI% CBR%	5.90 1.60 /45.90]							/	<6 >30			NT VENTURE W			d	Approved Bv	Team Leader		
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report				0.075 MDD	5.59 (2.232 /5							/	A	4~15		Consultant	BUILDING DESIGN AUTHORITY (P) LTD N JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD,	AMDU, NEPAL	and and a Build					
City RT-02 Report		. pe	ig % By Weight	2.36 1.18	40.19 31.37 22.05						/			65~95 50~85 40~75 30~60 20~45 15~37 4~15	•	Ŷ	NAUTHORITY	KATHA	ough		l By	veyor/CSE an Shrestha		
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location :-R-4, Branch Road	Sieve Size in mm / passing % By Weight	20.0 10.0 5.0	72.69 59.36 40.1					/				0-85 40-75 30-6			UILDING DESIG		-	4.6	Verified By	Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha		
atnagar M tract No:- R mary Sheet of		ion :-R-4,F		63.0 37.5	(100 /89.78				/									_						
Con		Locat		Date of Lesting	9-Nov-20									Spec. Limit : 100			ERNATIONAL		1	10	Submitted By	Contract Manager Rabindra Kr. Thakur		
			Source of Comula	adupe to some	Chisang Khola		/	/								Pactor	ON GROUP LAN	San Un un than			1 0.	Co		
			Location of	Sample	R-4, Branc(0+060)											Cont	ZHONGHENG CONSTRUCTION GROUP EXTERNATIONAL ENGENERAING CO. LTD 2	and the second s	/					
			P	no.	RUDP-SB-01 R	ľ											ZHONGHENG			M	Checked By Funinear	Dhirendra Yadav		
			Sn.		-1												1942			Q	Che	Dhiren		

				ary sheet	of Field Der	isity Test			and the second
						54 -	Month Year	(Nover 202	
		Lo	cation:-]	R-4,Bra	nch Road	-	Type of Material	Sub-I	
				Moistur	e content %		ity(gm/cc)	Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	омс%	Field MC%	Max.Dr density gm/cc		Compaction %	Specified %
1	RUDP-SB-FD-1, L/S	10-Nov-20	0+040	\$.90	(5.51	(2.232	(2,130	95.44	.95
2	RUDP-SB-FD-1, R/S	10-Nov-20	0+060	(5.90	/ 5.42	(2.232	(2.149	96.30	95
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	Contract	er	_			mort	Consultant		
n	ZHONGHENG CONSTR NTERNETIONAL ENGIN	NEERING CO.	UP LTD	BUILDIN CONSU	G DESIGN A LTANCY PV	UTHORIT T. LTD AN LTD, KA	Y (P) LTD IN JO D PLUS ENGIN THMANDU, NE	EERS & ARCHI	WITH B.N. TECTS (P)
S	Lefed By	RI			f.x		B + Bire and	~	
Eng	ineer Co	Submitted By ontract Manage	r		Verified By Qty Surveyor,	/CSE		Approved By Team Leader	
iren	dra Yadav Ra	bindra Kr. Thaku	ır H		al/Rajan Shre			Giresh Chand	



	November 2020	Sub-base	Remarks																		1			BUILDING DESIGN AUTHÓRITY (P) LIDD IN LONT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATUNANDU, NEPAL			/	d a d	
	ž	(s)	CBR		49.60												1			K	(>30			E WITH ECTS (J		at		Approved By Team Leader Giresh Chand	
	Month: Year	Type of Material	PI%	1	(6.20 2(1,62	LAL 1	1.92												Ì	1	9>)			NTUR				App Ter Gire	
	M	Ty Ma	OMC	-	-														X					INT VE US & AI				8	
5			MDD	_	Q.225													1	1			(ma)	IT IS	D IN JO					
				-	-	_	8.64											A			4~15	A PILLAR	Consultant	(P) LT US-EN ANDU,	118 * BIL				
			Weight			101.51	_										Å				65-95 50-85 40-75 30-60 20-45 15-37	1.50	130	HORHTY (P) LTD IN JO AND PLUS ENGINEER KATHMANDU, NEPAL	1				
2		(pe	g%By1	2.30	7 24.62						-	-		+			4				0 20-4			HTUAL C				ha	
RT-0		ha Ro	pass	0		30 46 34				-	+	+	-		-	IA	-	-			75 30-6			DESIGN CV PV1		F		Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha	
CB/B CB/B		Golch	e in mm		74.46 46.69	72 46 47 45			_	-	-	+	-	-	7	H	+	+	-	$\left \right $	-85 40~			DING		J. Y		Verified By Expert Qty Surveyor/CSE K. Mandal/Rajan Shres	
tropo JDP/I Monthly		th of (ieve Siz	_	P 20.09		-		_	-	-	+		-	\parallel	$\left \right $	+	+	-		95 50-			BUIL		7	5	ver ver Qt Manda	
Summary Sheet of Monthly Test Report		"(Sou	3 3	_	100.00 85	_	-	_	_	+	-	+	+	1	1	$\left \right $	+	+	-		100 65		\vdash	5	_				
naga act N		1:-R-6	_							-	+	+		ł	-	\square	-							EERIN	0	1	W	ted Iby Manage (r. Thak	
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location:-R-6,(South of Golchha Road)	Date of Testing	110	07-A0N-77	02-MON-22	23-Nov-20						Y								Spec. Limit :			ENGIN		0	A N	Submitted By Contract Manager Rabindra Kr. Thakur	
		Lo	_	-	-	+		_		+	+	/	4	+			+	+						IONAL				Ra	
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			Source of Sample	-1/1 NI	Chicang Whole	Chisane Khola	Chisang Khola																ctor	GROUPINTERNATIONAL ENGINEERING	·				
			Location of Sample	D 2 (DITION	D-6 (0+100)	R-6.(0+330)	R-6,(0+400)				1												Contractor	CTION GROU	in ca.co. * mana				
			Lab.Ref no.	DI IDD SD AT	RUDE-SB-01	RUDP-SB-03	RUDP-SB-04		/															ZHONGHENG CONSTRUCTION GROU	<i></i>	110	Charlend D.	Engineer Dhirendra Yadav	
			Sn.	-	- (1 (1)	4	1												-				NOHZ		11	i/c	Dhird	



RUDP-SB-FD-1, R/S 27-Nov-20 0+040 6.20 5.13 (2.225 (2.124 (95,48 95 RUDP-SB-FD-1, R/S 27-Nov-20 0+060 (6.20 5.36 (2.225 2.1137 (96,02 95 RUDP-SB-FD-1, R/S 27-Nov-20 0+090 6.20 5.41 2.225 2.117 95,14 95 RUDP-SB-FD-1, R/S 27-Nov-20 0+120 6.20 5.01 2.225 2.117 95,14 95 RUDP-SB-FD-1, R/S 27-Nov-20 0+120 6.20 5.01 2.225 2.183 98,12 95 RUDP-SB-FD-1, R/S 27-Nov-20 0+170 6.20 5.06 2.225 2.183 98,12 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97,16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97,16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26				Conti	ract No:-	letropoli RUDP/ICB	/BRT-02			
Vear 2028 Vear 2028 Type of Material Sub-Base Moisture content % Density (gm/cc) Compaction % RUDP-SB-FD-1, RS 27-Nov-20 0-0400 6.20 5.34 95.84 95 RUDP-SB-FD-1, RS 27-Nov-20 0-1120 6.20 5.01 2.225 2.137 95.84 95 RUDP-SB-FD-1, RS 27-Nov-20 0-100 6.20 5.01 2.225 2.154 96.80 95 RUDP-SB-FD-2, RS 27-Nov-20 0-100 0 0				Summ	ary Sheet	t of Field De	nsity Test	Month	Novemi	ber
Moisture content % Density(gm/cc) Compaction % RUDP-SB-FD-1, R/S 27-Nov-20 0+040 (6.20 5.13 (2.225 2.158 (95.48 95 RUDP-SB-FD-1, R/S 27-Nov-20 0+040 (6.20 5.13 (2.225 2.158 (96.98 95 RUDP-SB-FD-1, R/S 27-Nov-20 0+040 (6.20 5.13 (2.225 2.117 (96.02 95 RUDP-SB-FD-1, R/S 27-Nov-20 0+120 6.20 5.01 2.225 2.117 (96.02 95 RUDP-SB-FD-1, R/S 27-Nov-20 0+120 6.20 5.01 2.225 2.117 (96.02 95 RUDP-SB-FD-1, R/S 27-Nov-20 0+120 6.20 5.06 2.225 2.118 (98.12) 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+250 6.20 5.48 2.225 2.156 96.90 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+250 6.20 5.26 2.225 2.162 97.16 95 <			Locati	on D 6	(Candh at	C.L.L. D	, E	Year	2020	and the
Lab.Ref.no Testing Date Chainage OMC% Field MC% Max.Dry density grivec Field Dry density grivec Compaction Specifi % RUDP-SB-FD-1, KS 27-Nov-20 0+040 (6.20 5.13 (2.225 (2.124 (95.48 95 RUDP-SB-FD-1, KS 27-Nov-20 0+040 (6.20 5.36 (2.225 2.118 (96.02 95 RUDP-SB-FD-1, KS 27-Nov-20 0+120 6.20 5.19 2.225 2.117 95.14 95 RUDP-SB-FD-1, RS 27-Nov-20 0+150 6.20 5.01 2.225 2.118 98.12 95 RUDP-SB-FD-1, RS 27-Nov-20 0+150 6.20 5.01 2.225 2.156 96.90 95 RUDP-SB-FD-2, RS 27-Nov-20 0+250 6.20 5.48 2.225 2.162 97.16 95 RUDP-SB-FD-2, RS 27-Nov-20 0+250 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, CL 27-Nov-20 0+250			Locati		Moisture	e content %	Dad) Densit	Type of Material ty(gm/cc)		
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RUDP-SB-FD-1, R/S 27-Nov-20 0+120 6.20 5.19 2.225 2.117 95.14 95 RUDP-SB-FD-1, C/L 27-Nov-20 0+150 6.20 5.01 2.225 2.192 98.53 95 RUDP-SB-FD-1, R/S 27-Nov-20 0+170 6.20 5.06 2.225 2.183 98.12 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+170 6.20 5.06 2.225 2.154 96.80 95 RUDP-SB-FD-2, C/L 27-Nov-20 0+250 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 10	2	RUDP-SB-FD-1, L/S	27-Nov-20	0+060	1 7	5.36			V	
RUDP-SB-FD-1, C/L 27-Nov-20 0+150 6.20 5.01 2.225 2.192 98.53 95 RUDP-SB-FD-1, R/S 27-Nov-20 0+170 6.20 5.06 2.225 2.183 98.12 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+120 6.20 5.06 2.225 2.154 96.80 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+250 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 1.20 <t< td=""><td>3</td><td></td><td></td><td></td><td>6.20</td><td>5.41</td><td>2.225</td><td>2.137</td><td>(96.02</td><td>95</td></t<>	3				6.20	5.41	2.225	2.137	(96.02	95
RUDP-SB-FD-1, R/S 27-Nov-20 0+170 6.20 5.06 2.225 2.183 98.12 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+190 6.20 6.00 2.225 2.154 96.80 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+250 6.20 5.48 2.225 2.156 96.90 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+250 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 1 1 1 <td>4</td> <td></td> <td></td> <td>0+120</td> <td></td> <td></td> <td>2.225</td> <td>2.117</td> <td>95.14</td> <td>95</td>	4			0+120			2.225	2.117	95.14	95
RUDP-SB-FD-2, R/S 27-Nov-20 0+190 6.20 6.00 2.225 2.154 96.80 95 RUDP-SB-FD-2, CL 27-Nov-20 0+250 6.20 5.48 2.225 2.156 96.90 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+250 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 RUDP-SB-FD-2, R/S 27-Nov-20 10 10 10 10 <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.225</td> <td>2.192</td> <td>98.53</td> <td>95</td>	5						2.225	2.192	98.53	95
RUDP-SB-FD-2, C/L 27-Nov-20 0+250 6.20 5.48 2.225 2.156 96.90 95 RUDP-SB-FD-2, R/S 27-Nov-20 0+290 6.20 5.26 2.225 2.162 97.16 95 Image: Strength of the strengt of the strength of the strengt of the strengt of the strength	6									
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Contraction Building design at this excitation ZHON ELEGNETION GROUP INTERNATIONAL ENGINETION GROUP INT	8				and the second second					
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ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL										
ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL		1.					and the second second			
ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL									1	
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ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL										
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ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL										
ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL										
ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL										
ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL										-
ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL										
ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL										
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ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL										*
ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL										
ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL	-									
ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL										
ZHON CHEENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.P. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LT KATHMANDU, NEPAL		ODDIE MITCH					interio	ARAN REAL		
INTERVELIONAL ENGINEERING CO. LTD CONSULTANCY PVT. LTB AND PLUS ENGINEERS & ARCHITECTS (P) LT							18/ 0	Consultant		
ATHMANDLE NEPAL		ZHONGHENG CONSTR	UCTION GRO	UP	BUILDI	NG DESIGN	AUTHORIT	Y (P) LTD IN J	OINT VENTURE	WITH B.N.
die & allow die & allow de la construction de la co	I	340	NEERING CO.	LTD	CONSULI	ANCI PVI.	KATH	LUS ENGINEE MANDIENEPA	LRS & ARCHITEC	TS (P) LTE
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Checked By Submitted By Verified By Approved By		Thomas Day	A.						-70	
Engineer Octobelly										
Eligineer Contract Manager Expert Qty Surveyor/CSE Team Leader Dhirendra Yadav Rabindra kr. Thakur H.K. Mandal/Rajan Shrestha Giresh Chand							estha			







*		uber 20	Agg	Remarks																					JRE WITH RS &		ed By cader
		2020	20 mm Agg	A.L.V.%	1017	21.00	20.82	19.00	21.31	18.42	21.24	22.24	22.69	20.65	19.08	19.28	18.59	18.67	19.26	18.91	V	/	< 25		r ventu Nginee Nepal		Approved By Team Leader
-		8 1	aterial	Fl and EI %	05 31/16 01	17 53/16 71	17.52/16.00	20.71/19.64	20.82/21.00	19.06/18.72	16.82/19.50	19.43/21.79	16.56/18.15	16.02/15.85	19.77/21.63	18.29/22.06	19.12/21.70	18.18/21.08	21.22/17.89	21.24/18.41		/	<25	4	BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY EVT-LTD AND PLUS ENGINEERS & ARCHITECTS (PELTD, KATHWANDU, NEPAL	-	
	M	Year	Type of Material	L.A.A.%	77 50	87.85	24.40	30.96	26.88	24.30	25.18	22.02	28.76	22.50	23.04	26.04	21.10	25.10	23.76	22.96	1	/	<35	Consultant	TTY (P) L T-LTD / LTD, KA	A Bire ma	
	Agg.			eight	128	3.01	3.25	3.65	2.87	2.97	3.22	2.49	3.75	4.05	2.93	3.59	2.04	2.04	2.58	3.45			0~5		ANCY BANCY B		
City T-02	of 20mm			Sieve Size in mm / % Passing by weight	01	6.02	6.19	14.20	15.07	14.83	13.66	11.33	13.82	12.22	12.07	20.10	18.37	13.57	13.30	18.23			0~25		ESIGN /		Verified By Expert Qty Surveyor/CSE
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02	t Report			mm / % P:	14 73	+	+	+	+	+	43.94			-	-	+	+	40.42	+				0~20		B.N. CC		Nr A Verified By Sxpert Qty Surveyor/CSI
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Birs	Summary Sheet of Monthly Test Report of 20mm Agg.			Source of Sample	Chicano Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chicang Khola	Chisang Khola	Chisang Khola	Chisang Khola			Spec. Limit		NTERNATIO	4	Sulymitted By Contract Manager Rahindra K Thalur
	~1			Location of	Sample R-100	R-29.Branch	N-40	N-39	S-13,East	R-12 tracht und	Madhumara Yard	R-121	T3L11F	N-40	N-40	K-71	B 4 Description	Madhumara Yard	R-29, Branch	koshi yard				Contractor	INSTRUCTION GROUP INTERNATIONAL		
			1	Date of Testing	1-Nov-20	2-Nov-20	2-Nov-20	2-Nov-20	4-Nov-20	5-Nov-20	1		10-Nov-20	11-Nov-20	11-Nov-20	20-Nov-20	02-VOV-12	+	-	26-Nov-20				C		CTUDN GROUP WITERHATTON	
				Lab.Ref no.	RUDP-CA-658	RUDP-CA-659	RUDP-CA-660	RUDP-CA-661	RUDP-CA-662	RUDP-CA-663	RUDP-CA-665	RUDP-CA-666	RUDP-CA-667	RUDP-CA-668	RUDP-CA-669	BUDP-CA-6/0	RUDF-CA-672	RUDP-CA-673	RUDP-CA-674	RUDP-CA-675					CHONGHENC		Chartered By Engineer Dhirendra Yadav
				S.n.	-	5	3		-	0 1	-	6	10	-	-	2	+	+	-	18							Dhire



			C	ontract N	ar Metropoli No:- RUDP/IC eet of Mortar	B/BRT-02					
			Sun	imary Sn	eet of Mortar	Test Repor		Page no.	1 of 1		
								Month		Nov	ember
								Year			020
						1		ption of Samp	le	Bric	k Wall
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	Date of 7 Days	Testing 28 Days	Strength 7 Days	28	Type Grad
1	N-90	MR-2929	Arghakhanchi	. OPC	Chisang Khola	4-Oct-20	11-Oct-20	1-Nov-20	, Dayo	Days 9.57	7.5
2	R-20	MR-2929 MR-2930	Arghakhanchi	OPC OPC	Chisang Khola	4-Oct-20	11-Oct-20	1-Nov-20		8.63	7.5
3	R-20	MR-2931	Arghakhanchi	OPC	Chisang Khola	5-Oct-20	12-Oct-20	2-Nov-20		8.36	7.5
4	N-35	MR-2932	Arghakhanchi	OPC	Chisang Khola	8-Oct-20	15-Oct-20	5-Nov-20		9.30	7.5
5	T1L8B	MR-2933	Arghakhanchi	OPC	Chisang Khola	9-Oct-20	16-Oct-20	6-Nov-20		9.17	7.5
6	R-12	MR-2934	Arghakhanchi	OPC	Chisang Khola	10-Oct-20	17-Oct-20	7-Nov-20		8.90	7.5
7	T2L24	MR-2935	Arghakhanchi	OPC	Chisang Khola	10-Oct-20	17-Oct-20	7-Nov-20	-	9.17	7.5
8	R-111A	MR-2936	Arghakhanchi	OPC	Chisang Khola	10-Oct-20	17-Oct-20	7-Nov-20		8.23	7.5
9	N-90	MR-2937	Arghakhanchi Arghakhanchi	OPC OPC	Chisang Khola Chisang Khola	12-Oct-20 12-Oct-20	19-Oct-20	9-Nov-20 9-Nov-20		9.04	7.5
10	R-20 N-35	MR-2938 MR-2939	Arghakhanchi	OPC	Chisang Khola	12-Oct-20 13-Oct-20	19-Oct-20 20-Oct-20	9-Nov-20 10-Nov-20		9.17	7.5
12	R-71	MR-2939 MR-2940	Arghakhanchi	OPC	Chisang Khola	13-Oct-20 14-Oct-20	20-Oct-20 21-Oct-20	11-Nov-20		8.90	7.5
13	T2L16H	MR-2941	Arghakhanchi	OPC	Chisang Khola	14-Oct-20	21-Oct-20	11-Nov-20		8.63	7.5
14	B-2(Branch)	MR-2942	Arghakhanchi	OPC	Chisang Khola	15-Oct-20	22-Oct-20	12-Nov-20		8.77	7.5
15	R-6	MR-2943	Arghakhanchi	OPC	Chisang Khola	17-Oct-20	24-Oct-20	14-Nov-20	-	9.30	7.5
16	N-35	MR-2944	Arghakhanchi	OPC	Chisang Khola	18-Oct-20	25-Oct-20	15-Nov-20		9.57	7.5
17	R-4(Branch)	MR-2945	Arghakhanchi	OPC	Chisang Khola	18-Oct-20	25-Oct-20	15-Nov-20	1	8.23	7.5
18	T21.24	MR-2946	Arghakhanchi	OPC	Chisang Khola	20-Oct-20	27-Oct-20	17-Nov-20	1/100	9,04	7.5
19	R-6	MR-2947	Ambe Hi-Tech	OPC	Chisang Khola	25-Oct-20	1-Nov-20	22-Nov-20	(6,07	(8,50	7.5
20	N-1 T1L8B	MR-2948 MR-2949	Ambe Hi-Tech Ambe Hi-Tech	OPC OPC	Chisang Khola Chisang Khola	25-Oct-20 27-Oct-20	1-Nov-20 3-Nov-20	22-Nov-20 24-Nov-20	6.47	(9,17	7.5
21	R-111	MR-2949 MR-2950	Ambe Hi-Tech	OPC	Chisang Khola	27-Nov-20	4-Dec-20	25-Dec-20	6.88/	2.71	7.5
23	R-11	MR-2951	Ambe Hi-Tech	OPC	Chisang Khola	29-Oct-20	5-Nov-20	26-Nov-20	5.93	8.23	(7.5
24	T3L11F	MR-2952	Ambe Hi-Tech	OPC	Chisang Khola	- 29-Oct-20	5-Nov-20	26-Nov-20	5.93	8.50	7.5
25	B-2(Branch)	MR-2953	Ambe Hi-Tech	OPC	Chisang Khola	29-Oct-20	5-Nov-20	26-Nov-20	(7.01	9/57	7.5
26	TIL14C	MR-2954	Ambe Hi-Tech	OPC	Chisang Khola	30-Oct-20	6-Nov-20	27-Nov-20	6.20	8.90	7.5
27	N-1	MR-2955	Ambe Hi-Tech	OPC	Chisang Khola	30-Oct-20	6-Nov-20	27-Nov-20	/6.74	9.04	7.5
28	N-39	MR-2956	Ambe Hi-Tech	OPC	Chisang Khola	31-Oct-20	7-Nov-20	28-Nov-20	5.80	8.36	7.5
29	R-121	MR-2957	Ambe Hi-Tech	OPC	Chisang Khola	31-Oct-20	7-Nov-20	28-Nov-20	7.01	9.30	7.5
30	B-2(Branch)	MR-2958	Ambe Hi-Tech	OPC	Chisang Khola	1-Nov-20	8-Nov-20	29-Nov-20	6.47	<i>(</i> 8.77	7.5
31	TILI4C '	MR-2959	Ambe Hi-Tech	OPC	Chisang Khola	2-Nov-20	9-Nov-20	30-Nov-20	96.47	9,44	7.5
32	T1L8B	MR-2960 MR-2961	Ambe Hi-Tech	OPC	Chisang Khola	4-Nov-20 4-Nov-20	11-Nov-20	2-Dec-20	7.28		7.5
33	N-1 N-15	MR-2961 MR-2962	Ambe Hi-Tech	OPC OPC	Chisang Khola Chisang Khola	4-Nov-20	11-Nov-20 11-Nov-20	2-Dec-20 2-Dec-20	(5.93 (6.88		7.5
		Contracto			1		Consult				
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Z	HONGHENG	CONSTR L ENGIN	EERING CO	OUP . LTD	VENTURE	WITH B.N.	CONSULT	TANCY PV S (P) LTD, 1	T. LTI	AND	PLU
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Engine			Contract M		Expert Qty Su	rveyor/CSE				eam Le	
	ra Yadav		Rabindra Kr		H.K. Mandal/Ra					iresh Cl	
		205-9-5MM-4	and the second								
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							Month			ember
						Davari		la	/	020 k Wall
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Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28	Type Grad
R-112	MR-2963	Ambe Hi-Tech	OPC	Chisang Khola	5-Nov-20	12-Nov-20	3-Dec-20	7.01	Days	7.5
N-39	MR-2964	Ambe Hi-Tech	OPC	Chisang Khola	5-Nov-20	12-Nov-20	3-Dec-20	6.07		7.5
R-29,Branch	MR-2965	Ambe Hi-Tech	OPC	Chisang Khola	7-Nov-20	14-Nov-20	5-Dec-20	5,80		7.5
T3L6A	MR-2966	Ambe Hi-Tech	OPC	Chisang Khola		14-Nov-20	5-Dec-20			7.5
				and the second se				1		7.5
										7.5
a de la companya de la						and the second se			-	7.5
and the second se				-				-	-	7.5
								- V		7.5
			and the second second second	and the second division of the second divisio		statistics of the second section is in the second	and the second se	and a fair and a		7.5
T3L6A	and the second design of the second distance	Ambe Hi-Tech	and the second se	the second s	the state of the s	second		-		7.5
TIL14C	the local design of the local diversion of th				22-Nov-20	29-Nov-20	20-Dec-20	-		7.5
R-29,Branch		and the second se	. OPC	Chisang Khola	22-Nov-20	29-Nov-20	20-Dec-20	6.88		7.5
R-112	MR-2977	Ambe Hi-Tech	OPC	Chisang Khola	23-Nov-20	30-Nov-20	21-Dec-20	6.61	1 mart	7.5
R-12	MR-2978	Ambe Hi-Tech	OPC	Chisang Khola	23-Nov-20	30-Nov-20	21-Dec-20	6.20		7.5
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HONGHENG	CONSTR	CTION GRO	OUP LTD	VENTURE	WITH B.N.	CONSULT CHITECT	ANCE PV S(P) LTD, I	T. LTI	AND	PLU
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the second secon		ph		d.			-		K	
d By		Submitte	ed By	Verified By				Ar	oprove	d By
er		Contract N		Expert Qty Su	rveyor/CSE				eam Le	
		Rabindra Kr		H.K. Mandal/Ra	1				iresh C	
	R-112 N-39 R-29,Branch T3L6A R-12 R-6 N-1 R-121 T3L6A N-15 R-112 T3L6A T1L14C R-29,Branch R-112 R-12 	Location Ref.no. R-112 MR-2963 N-39 MR-2964 R-29,Branch MR-2965 T3L6A MR-2966 R-12 MR-2967 R-6 MR-2969 R-121 MR-2970 T3L6A MR-2971 T3L6A MR-2971 T3L6A MR-2972 R-112 MR-2973 T3L6A MR-2977 R-112 MR-2978 R-112 MR-2978 R	Location Ref.no. Type of Cement R-112 MR-2963 Ambe Hi-Tech N-39 MR-2964 Ambe Hi-Tech R-29,Branch MR-2965 Ambe Hi-Tech R-12 MR-2967 Ambe Hi-Tech R-6 MR-2968 Ambe Hi-Tech R-6 MR-2970 Ambe Hi-Tech R-11 MR-2970 Ambe Hi-Tech R-121 MR-2971 Ambe Hi-Tech R-112 MR-2972 Ambe Hi-Tech R-112 MR-2973 Ambe Hi-Tech R-112 MR-2973 Ambe Hi-Tech R-112 MR-2974 Ambe Hi-Tech R-112 MR-2975 Ambe Hi-Tech R-112 MR-2978 Ambe Hi-Tech R-12 MR-2978 Ambe Hi-Tech	Location Ref.no. Type of Cement Cement R-112 MR-2963 Ambe Hi-Tech OPC N-39 MR-2964 Ambe Hi-Tech OPC R-29,Branch MR-2965 Ambe Hi-Tech OPC R-12 MR-2966 Ambe Hi-Tech OPC R-12 MR-2966 Ambe Hi-Tech OPC R-6 MR-2968 Ambe Hi-Tech OPC R-6 MR-2970 Ambe Hi-Tech OPC R-11 MR-2970 Ambe Hi-Tech OPC R-12 MR-2971 Ambe Hi-Tech OPC R-112 MR-2973 Ambe Hi-Tech OPC R-112 MR-2973 Ambe Hi-Tech OPC R-112 MR-2975 Ambe Hi-Tech OPC R-112 MR-2976 Ambe Hi-Tech OPC R-112 MR-2978 Ambe Hi-Tech OPC R-12 MR-2978	Location Ref.no. Type of Cement Cement Source of Sand R-112 MR-2963 Ambe Hi-Tech OPC Chisang Khola R-29,Branch MR-2965 Ambe Hi-Tech OPC Chisang Khola R-12 MR-2967 Ambe Hi-Tech OPC Chisang Khola R-6 MR-2968 Ambe Hi-Tech OPC Chisang Khola R-6 MR-2969 Ambe Hi-Tech OPC Chisang Khola R-121 MR-2970 Ambe Hi-Tech OPC Chisang Khola R-121 MR-2970 Ambe Hi-Tech OPC Chisang Khola R-121 MR-2971 Ambe Hi-Tech OPC Chisang Khola N-15 MR-2972 Ambe Hi-Tech OPC Chisang Khola R-112 MR-2973 Ambe Hi-Tech OPC Chisang Khola R-112 MR-2973 Ambe Hi-Tech OPC Chisang Khola R-112 MR-2973 Ambe Hi-Tech OPC Chisang Khola R-112 MR-2974 Ambe Hi-Tech OPC Chisang Khola R-112 MR-2975 Ambe Hi-Tech OPC Chisang Khola R-112 MR-2977 Ambe Hi-Tech OPC Chisang Khola R-112 MR-2977 Ambe Hi-Tech OPC Chisang Khola R-112 MR-2978 Ambe Hi-Tech OPC Chisang Khola R-12 MR-2978 Ambe Hi-Tech OPC Chisang Khola M-14 MR-2977 Ambe Hi-Tech OPC Chisang Khola M-15 MR-2978 Ambe Hi-Tech OPC Chisang Khola M-16 MR-2978 Ambe Hi-Tech OPC Chisang Khola M-17 MR-2978 Ambe Hi-Tech OPC Chisang Khola M-19 MR-2978 Ambe Hi-Tech OPC Chisang Khola M-10 MR-2978 MR-2978 Ambe Hi-Tech OPC Chisang Khola M-10 MR-2978 MR-2978 MR-2978 MR-2078 MR-207	Location Ref.no. Type of Cement Cement Source of Sand Casting R-112 MR-2963 Ambe Hi-Tech OPC Chisang Khola 5-Nov-20 N-39 MR-2965 Ambe Hi-Tech OPC Chisang Khola 5-Nov-20 T3L6A MR-2965 Ambe Hi-Tech OPC Chisang Khola 7-Nov-20 R-12 MR-2966 Ambe Hi-Tech OPC Chisang Khola 9-Nov-20 R-6 MR-2968 Ambe Hi-Tech OPC Chisang Khola 9-Nov-20 R-6 MR-2969 Ambe Hi-Tech OPC Chisang Khola 10-Nov-20 R-12 MR-2970 Ambe Hi-Tech OPC Chisang Khola 10-Nov-20 R-121 MR-2971 Ambe Hi-Tech OPC Chisang Khola 20-Nov-20 N-15 MR-2972 Ambe Hi-Tech OPC Chisang Khola 20-Nov-20 R-112 MR-2973 Ambe Hi-Tech OPC Chisang Khola 20-Nov-20 R-112 MR-2974 Ambe Hi-Tech OPC Chisang Khola 20-Nov-20 R-112 MR-2977 Ambe Hi-T	Location Lab Ref.no. Type of Cement Brand of Cement Source of Sand Date of Casting Date of 7 Days R-112 MR-2963 Ambe Hi-Tech OPC Chisang Khola 5-Nov-20 12-Nov-20 N-39 MR-2964 Ambe Hi-Tech OPC Chisang Khola 5-Nov-20 12-Nov-20 R-29,Branch MR-2965 Ambe Hi-Tech OPC Chisang Khola 7-Nov-20 14-Nov-20 R-12 MR-2966 Ambe Hi-Tech OPC Chisang Khola 7-Nov-20 14-Nov-20 R-6 MR-2966 Ambe Hi-Tech OPC Chisang Khola 9-Nov-20 16-Nov-20 R-6 MR-2968 Ambe Hi-Tech OPC Chisang Khola 10-Nov-20 16-Nov-20 R-121 MR-2970 Ambe Hi-Tech OPC Chisang Khola 19-Nov-20 26-Nov-20 N-15 MR-2972 Ambe Hi-Tech OPC Chisang Khola 20-Nov-20 27-Nov-20 R-112 MR-2973 Ambe Hi-Tech OPC Chisang Khola 20-Nov-20 27-Nov-20 R-112 MR-2974 Ambe Hi-Tech OPC Chisang Khola 22-Nov-20 29-Nov-20 R-112 MR-2976 Ambe Hi-Tech OPC Chisang Khola 22-Nov-20 </th <th>Location Lab Ref. no. Type of Cement Brand of Cement Source of Sand Date of Casting Date of Testing N-39 MR-2963 Ambe Hi-Tech OPC Chisang Khola 5-Nov-20 12-Nov-20 3-Dee-20 R-112 MR-2963 Ambe Hi-Tech OPC Chisang Khola 5-Nov-20 12-Nov-20 3-Dee-20 R-29,Branch MR-2965 Ambe Hi-Tech OPC Chisang Khola 5-Nov-20 14-Nov-20 5-Dee-20 R-12 MR-2966 Ambe Hi-Tech OPC Chisang Khola 7-Nov-20 14-Nov-20 5-Dee-20 R-14 MR-2967 Ambe Hi-Tech OPC Chisang Khola 1-Nov-20 14-Nov-20 7-Dee-20 R-14 MR-2968 Ambe Hi-Tech OPC Chisang Khola 1-Nov-20 8-Nov-20 7-Dee-20 N-1 MR-2971 Ambe Hi-Tech OPC Chisang Khola 10-Nov-20 8-Nov-20 17-Dee-20 N-12 MR-2973 Ambe Hi-Tech OPC Chisang Khola 20-Nov-20 28-Nov-20 19-Dee</th> <th>Vear Location Lab Ref.no. 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		November	te Sand	Remarks						-											1		/	/			BUILDING DESIGN AUTHORITY (P) LAD IN JOINT VENTURE WITH B.N. CONSULTANCY RVULTID AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL		- By - der
	Page no 1 of 2	Novemb	Cancrete Sand	Clay	Conternt	/0.00	/ 0.88										1.1.					1		100	270		DING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE V B.N. CONSULTANCY RVTJ LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	æ	Approved By Team Leader Girach Chand
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		Month	Type of	ight	0.300	10.00	15.28													X				2 40	n/~c	M Consultant	Y (P) LA LJID A D, KAT	the second	
	te Sand			sing by we	0.600	20.42	CK:4C												/					10 100	nnr~er	E	HORIT V IVU S (P) L1	A BILL	
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tan City 3/BRT-00	Report of			Sieve Size in mm / % Passing by weight	2.36	08.45	57.61				T	T					/					-		10 100	001~00		VG DESI V. CONS ARCI		ly Surveyo
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02	ly Test I			Sieve	5.0	90.54	00.06									1	T							-	001~69		BUILDIN	d.p	Verified By Expert Qty Surveyor/CSE
igar Me	of Month				10	100.00	100.00								V									+	100	-			
Biratna Contrac	Summary Sheet of Monthly Test Report of Cancrete Sand			Source of Sample		1	Chisang Khola						/	/											: HILLY Sold		INTERNATIONA)	an	Submitted By Contract Manager
				Location of	Sample .	K-29,Branch	Koshi yard					/														Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD		
				Date of	Testing	27-Nov-20	07-A0N-67			/																The second secon	CONSTRUCTIC		
				Lab.Ref no.		RUDP-CS-719	KUDP-CS-/80		1.																		HONGHEN	JA	Checked By Engineer
				S.n.	_	-	74 K	1		-	+	+	-				-	-	+	+	+	-		-			Z	N.	Checked Engineer

Regional Urban Development Project (RUDP)

Page 1

		o	e Sand	Romarke	INVITAL INST																						URE WIT RS &		/1	By	ler and
	Page no 1 of 1	November	Cancrete Sand	Clay	Contetnt	N.13	000	/0.68	10,84	M15	A.50	/ 0.91	1.37	1.27	190	16.0	0.62	1.14	0.66	0.73	1.32	0.86	0.89	<3%			BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANEVIPYT LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	-04	6	Approved By	Team Leader Giresh Chand
4		_	J		0.150	C6.1	6.86	7.06	4.90	3.68	5.50	4.96	2.26	2.32	1 08	5.12	2.70	4.24	4.78	3.07	4.25	5.25	2.60	0~15			D IN JO				
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02		Month	Type of	ight	0.300	14.24	14.19	15.69	17.36	13.76	10.56	11.43	8.85	6.54	0.53	14.19	8.81	12.82	14.14	8.32	13.67	15.44	9.93	5~70	1	Consultant	V (P) LT LTD AN D, KAT	A sum			
	te Sand			sing by we	0.600	25.83	23.80	25.29	22.39	25.97	26.19	25.80	23.14	22.38	01/7 01/7	30.41	23.49	28.61	28.89	19.24	26.27	24.15	22.70	15~100	(HOL)	e e	RHORIT EVIRVT S(P) L1	* Birnin			
20	f Cancre			im / % Pas	1.18	47.02	47.14	44.51	47.51	49.61	49.89	44.42	51.55	47.21	50.02	52.18	44.88	49.37	51.01	42.32	49.23	40.91	44.92	30~100			IGN AU				or/CSE Shrestha
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02	Report o			Sieve Size in mm / % Passing by weight	2.36	75.17	68.19	66.47	66.00	68.41	68.48	66.39	69.88	65.97	00.00	68.52	65.48	66.52	65.77	63.06	68.21	63.75	64.89	60~100			NG DESI N. CONS ARC		1	By	Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
etropoli RUDP/IC	thly Test			Siev	5.0	96.03	91.76	93.53	94.77	92.64	93.27	92.76	97.05	96.77	00.07	95.52	92.72	95.40	92.50	93.99	93.87	94.41	94.33	89~100			BUILDI B.I	C	K.X	Verified By	Expert Qt. H.K. Man
agar M ct No:- F	t of Mon				10	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100	Ī		AL			-	IL
Biratn Contra	Summary Sheet of Monthly Test Report of Cancrete Sand			Source of Sample	and inter to an inter	Chisang Khola	Chicang Mola	Chisang Khola	Chisang Khola	Spec. Limit :			ON GROUP INTERNATIONAL NG CO. LTD	V	(A)	Submitted By	Contract Manager Rabindra K. Thakur														
				Location of	Sample	I-N	R-111	N-39	R-12 T1 0D	B -2.Branch		R-109	R-29, Branch	R-12	Madhuman Vand	Koshi Yard	R-4,Branch	R-71	R-121	S-13East	R-112	T31.6A	B-2.Branch			Contractor	N.C.				
				Date of	Testing	1-Nov-20	2-Nov-20	3-Nov-20	4-Nov-20	5-Nov-20	6-Nov-20	7-Nov-20	7-Nov-20	7-Nov-20	07-001-0	9-Nov-20	10-Nov-20	19-Nov-20	20-Nov-20	21-Nov-20	23-Nov-20	25-N0V-20	27-N0V-20				ENGINEER	CA. UR. * ZHONON			
				I ah Ref no	Laboration and	RUDP-CS-757	RUDP-CS-759	RUDP-CS-760	RUDP-CS-761	RUDP-CS-763	RUDP-CS-764	RUDP-CS-765	RUDP-CS-766	RUDP-CS-767	BUDP-CS-760	RUDP-CS-770	RUDP-CS-771	RUDP-CS-772	RUDP-CS-773	RUDP-CS-774	RUDP-CS-775	RUDP-CS-776 RUDP-CS-777	RUDP-CS-778				ZHONGHPAG CONSTRUCTIVE			Checked By	Engineer Dhirendra Yadav
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ANNEX- 4: SOCIAL& ENVIRONMENT SAFEGUARD

Monitoring Formats– November 2020



SN.	Name	Position	Contact No	Remarks
1	Ravindra kumar Thakur	СМ	9801159860	-
2	Dhirendra Yadav	Engineer	9801225283	
3	Randhir Singh	Engineer	9801159918	
4	Pradeep Yadav	Engineer	9801159896	
5	Jibachha Sah	Engineer	9805932183	
6	Dhirendra yadav jr	Engineer	9805913881	
7	Aanand Rayamajhi	Engineer	9801157317	
8	Rahul Kr Sharma	Sub-Engineer	9801159862	
9	Sudip Chaudhary	Surveyor	9801159859	
10	Sange Tamang	Sub-Engineer		
11	Ramesh Shrestha	Sub-Engineer		
12	Jitendra Yadav	Safety incharge	9801160166	
13	Kiran Chaudhary	SLT	9801225281	
14	Pramod shah	LT	9815779383	
15	Raj kr Mukhiya	LT		-
16	Bishnu Hari Khanal	Chief Accountant	9801157314	1.1
17	Jarman Nepal	Assistant Accountant		
18	Narsingh Bhandari	Vehicle incharge	9801157318	
19	Madan Bhattarai	Store Keeper	9801159634	

RUDP



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: November 2020

	Activity	Description/Present Status (Compliance/Partially Compliance/Non Compliance	Remarks/ Corrective actions for Non- Compliance
1 1.1	Training Health, Safety and EMP trainings and awareness	Yes	
1.2	Others awareness and skill trainings	No	
2 2.1	Occupational health and safety Insurance for workers	Yes	•
2.2	Personal Protective Equipment (PPE) provided to labors and is using (helmet, facemasks, muffles, gloves, boots, jacket, goggles etc.)	Daily Provided	2.4
2.3	Public notification Safety and warning signs and informative signboards in working sites for work safety	Yes Provided	
2.4	Use of barricades, caution tape and flag	Daily Used	
3	Campsite management	Dishra Charti Ol	
3.1	Location	Pichra, Shanti Chowk, Rani	
3.2	First aid facilities available at camp and worksites		
3.3	Drinking water supply and sanitation facilities/ pit latrines	Yes	
3.4	Waste Disposal and Management facilities	Tap water/ Hand Pump Yes	
3.5	Type of fuel used for cooking	L.P.G	1000
4	Spoil and Construction material Management		
4.1	Cut and fill balance maintained or not, Reuse of spoil materials	Cut & Fill balance maintained	
4.2	Use of safe spoil disposal locations	Not Applicable	sign Authority
4.3	Disturbance to Pedestrian and traffic movement	No any disturbance to pedestrians & traffic	Co RUN



Regional Urban Development Project (RUDP)

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.	
5.2	Water quality monitoring result and locations	ok	
5.3	Block age of natural drainages ,water logging, drain water discharge into farmland/risky areas	Not Applicable	
6	Quarrying of construction materials and Plants Installment		1
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	70.0
8.2	Water supply pipe	Not Applicable	
8.3	Access road	Not Applicable	
8.4	Electric/Telephone pole	Not Applicable	
8.5	Others	Not Applicable	
9	Sites for cultural and religious values		
9.1	Cultural and religious sensitive spots (if any)	Not Applicable	
10	Forest and vegetation		100 100
10.1	Number of trees removal	00	
10.2	No of tree plantation (Roadside)	Not Applicable	
11	Accident cases and records	No any records	al land in the second
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	Nuthority (R)
15	SOP Approval	Yes	35 12
	Goods procured and Supplied as per SOP	Yes	RUDP RUDP
5	2h	Nr.	Plan 1
-		V. 4	oiratnagat #



S.N	Equipment Type and Characteristics	ZHONGHENG CONSTRUCTION GROUP
1	Excavator	1
2	Backhoe Loader	6 -
3	Asphalt plant of adequate capacity	1
4	Asphalt pavers	1
5	Vibrating roller	2
6	Pneumatic tyre roller 8 to 10 ton	1
7	Smooth wheeled roller 8 to 10 ton	2
8	Tipper	3
9	Crane	1
10	Water Tank	2
11	Grader	3
12	Bitumen distributor (4 to 6 Kilo litre)-	1
13	Water browser (minimum 5000 Litres)	9
14	Chips spreader	0
15	Bitumen decanter minimum 4000 Litres.	2
16	Air compressor	2
17	Tipping Trucks	2
18	Service vehicle	4
19	Total station	1
20	Auto Level	5
21	Mobile Generator 15-20 Kva	6
22	Mixer Machine	5
23	Broomer	2
4	Plate Compactor	5
25	Water Pump	140
26	Motorbike	19
27	Tractor	15 Nuthority

B. Details of Equipment at Site / Contractor's yard

RUDP 2.5



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

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

Subproject Road : -RUDP/ICB/BRT/2

Month/Year: Nov. 2020

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

Contract Package: RUDP/ICB/BRT/2

		Co	mpliance Sta	itus			
S.N	Key Social Issuse	Full	Partial	None	Implementing Agency	Note of Remarks	Deadline
1	Availability of drinking water services	V				die 1	
2	Availability of toilet facility in campsite	٧					
3	Legal source of fuel wood use			V			
4	Legal document of fuel wood source			V			Rydu.
5	Use of safety accessories	V	<u>.</u>	1			
6	Availability of first aid facility	V		2			
7	Basic wage rate to construction workers	٧				-	
8	Equal wage rate to male and female workers		V				
9	Compensation of temporarily occupied land	V					
10	Compensation of temporarily occupied buildings	V					
11	Legal document of temporarily occupied assets	V				Authority	
12	Non use of child labour in construction activities	٧				a fun	O.IBNIPLU
repar	ed by		Verified by:		Y."	Monitored by:	151



	Month/Year: November 2020		BRAHMIN/CHH	ETRI																												
	Month/Year: N	POSITION	MADHESI		,	/				0	2			Y							x			9					10	70		
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			JANJATI		5					3				9										9					100	90	<u>ini</u>	1111
roject (RUDP Init (PIU)	COMPOSITION	NOLICO	FEMALE																						-							
n Development P mplementation U Biratnagar,Nepal LABOUR DATA	COMP	COININ	MALE		14					11				16						~			16	DT					10			
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	TYPES OF WORK				Tickdrain					Tickdrain					Kerbstone					House	Connection				Drain				Drain	10	sug	11
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Regional Urban Development Project (RUDP)



	LOCAL	R72 Drain NON LOCAL		TOTAL	LOCAL	R112 Drain NON LOCAL		TOTAL	LOCAL	2	K29 Branch-1 Drain INDIAN	TOTAL	LOCAL	R121 Drain NON LOCAL	TOTAL	IOCAL	Z	INDIAN	TOTAL		LOCAL	Base NON LOCAL	INDIAN	TOTAL		LOCAL	Sub-base NON LOCAL
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Regional Urban Development Project (RUDP)



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mplementation Ur Biratnagar, Nepal LABOUR DATA		13				11			COMBOCITION	AAAI E	78	186	14	278	
Project Implementation Unit (PIU) Biratnagar, Nepal LABOUR DATA		10				80					55	147	12	214	
		3		13		3		14	TT	CKILLED	23	53	2	78	
	LOCAL	NON LOCAL	INDIAN	TOTAL		LOCAL	NON LOCAL	TOTAL	IUIAL	LABOUR CLASS	LOCAL	NON LOCAL	INDIAN	TOTAL	* Lind
-		Drain DCC					Drain	_[
		B10	OTU				T1L8B								
		23	3		-		24	-							



ANNEX- 5: SOP Health Monitoring Format



-		_		DS				Date: 1 N	ov 2020				
Project Name:		Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works C RUDP/ICB/BRT/02											
				Yes/No									
S.No.		Position	Temperature	Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	Remarks				
1	Giresh Chand	TL	97.1	NO	NO	NO	yes .	yes	P-99 H- 80				
2	H.K. Mandal	E./Qty S.	89.7	004	NO	04	4.4	vy	P-98 H-77				
3	Amit Kumar Gupta	CSE	97.1	NO	NO	NO	fres	ves	P-98 H-77				
4	Rajan Shrestha	CSE	91.5	NO	100	NO	Yes	vis	P- 99				
5	Santosh Kumar Yadav	OM	93-6	NO	NO	NO	YB	yy	H- 79 P- 98 H- 76				
6	Rajesh Kumar Yadav	Jr.	95-5	NO	40	NO	yes		P- 99 H- 75				
7	Deepak Majhee	Jr.	93.1	100	NO	20	Dees		P-99				
8	Jaya Prakash Yadav	Jr.	96.7	HO	MD	NO	prey	yold	H- 73 D-98 -				
9	Ranjit Mandal	R/C	97.5	NO	NO	10	yes	yres	H- 73 P- 99				
10	Youba Raj Poudel	Driver	96.9	+0	,00	NO	yes		p. 99				
11	Pulkit Gothiya Yadav	Driver	96.9	100	NO	NO	Vel	yes yes	H. 72				
12	Rudra Kharel	0/A	95.1	NO	סע	NO	yes		P- 98 P- 76 P- 98 H- 930				
13	Kesab Katuwal	Guard	97.1	+0	NO	NO	yes .		H- 70 H- 99 H- 76				

	DSC Date: 12N													
	Project Name:	Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Cor RUDP/ICB/BRT/02												
S.No.		Position	Temperature	Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	Remarks					
1	Giresh Chand	TL	95.3	NO	NO	NO	yue	yes	P-99 H-+3					
2	H.K. Mandal	E./Qty S.	90.3	100	NO	NO	yes	yes	p- 99					
3	Amit Kumar Gupta	CSE	96.4	NO	NO	NO	yes	yes	P-98					
4	Rajan Shrestha	CSE	97.5	NO	NO	NO	yes	yer	P- 99					
5	Santosh Kumar Yadav	ОМ	AU.1	NO	NO	NO	yes	y-13	P. 97					
6	Rajesh Kumar Yadav	Jr.	96-2	NO	NO	NO	yel	4.15	H- 75 P- 98					
7	Deepak Majhee	Jr.	96.9	40	NO	NO	Yres	yes	H- 71 p- 99					
8	Jaya Prakash Yadav	Jr.	96.7	MO	NO	NO	yel :		H- 96 P- 99 H- 75					
9	Ranjit Mandal	R/C	97.5	NO	04	10	ves		D- 98					
10	Youba Raj Poudel	Driver	97.1	NO	NO	NO	yes	7.5	H- 73 p- 99					
11	Pulkit Gothiya Yadav	Driver	97.1	NO	NO	NO	Yes	yes .	P- 99 H- 93 P- 98					
12	Rudra Kharel	0/A	951	40	NO	NO	yes	1	H- 76 D- 98					
13	Kesab Katuwal	Guard	97.1	NO	N	100	Viel		1- 95 p- 99 H- 73					



			Emp	loyer (P	IU)			Date: 207	2-8-3				
Project Name:		Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Contr RUDP/ICB/BRT/02											
				Yes/No									
S.No.	Staff Name	Position	Temperature	Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	Remarks				
1	Bharat Kumar Neupane	PM	96.3	NO	NO	NO	Neg	Yes	2				
2	Prakash Narayan Chaudhary	DPM	97.1	NO	NO	NO	YES	Xes					
3	Punam Kumar Dahal	SDO	95.1	NO	NO	NO	Yes	Neg					
4	Anil Singh	Electrical Er.	46.2	NO	NO	NO	Ves	Yes					
5	Ghanashyam Kafley	Project Er.	96.4	NO	NO	NO	Ves	Neg					
6	Mister KC	Account/Officer		NB	NO	NO	Yes	Yes					
7	Purushottam Lamichhane	Asst/Ad	96.1	NO	NO	NO	Yes	Veg					
8	Uddab Nepal	Office Assistant	96.7	NO	HO	ND	Ves	Ver					
9	Girja Kumar Chaudhary	Office Assistant	94.8	NO	NO	NO	Neg	yes					
10	Rabi Kumar Rai	Heavy Driver	95.6	NO	NO	ND	Nes	Yes					
11	Mayakant Kamat	Heavy Driver	96.6	NO	NO	NO	Yes	Xeg					
12			96.6	NO	ND	NO	Yes	4-8					

	Project Name:	Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Con RUDP/ICB/BRT/02											
		1				0							
S.No.	Staff Name	Position	Temperature	Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	Remarks				
1	Bharat Kumar Neupane	PM	96.3	NO	NO	NO	Neg	Y23					
2	Prakash Narayan Chaudhary	DPM	96.8	NO	NO	ND	Neg	Yes					
3	Punam Kumar Dahal	SDO	46.7	XD	NO	WD	Ves	Yes					
4	Anil Singh	Electrical Er.	45.5	NO	NO	NO	Yes	Yes					
5	Ghanashyam Kafley	Project Er.	96.1	XIO	NO	ND	Yes	Ves					
6	Mister KC	Account/Officer	96.7	NO	ND	NO	Yes	Veg					
7	Purushottam Lamichhane	Asst/Ad	96.3	NO	NO	NO	Yes	Yes					
8	Uddab Nepal	Office Assistant	95.5	XID	ND	ND	Yes	Ney					
9	Girja Kumar Chaudhary	Office Assistant	94.3	W/D	NO	NO	Xy	Yes					
10	Rabi Kumar Rai	Heavy Driver	94.7	XID	NO	ND	Nes	Yeg					
11	Mayakant Kamat	Heavy Driver	95.3	ND	NO	NO	Ver	Yeg					
12			96.3	7/0	ND	NO	- yes	Yes					
13						EP2	City Cuth Pro	/					



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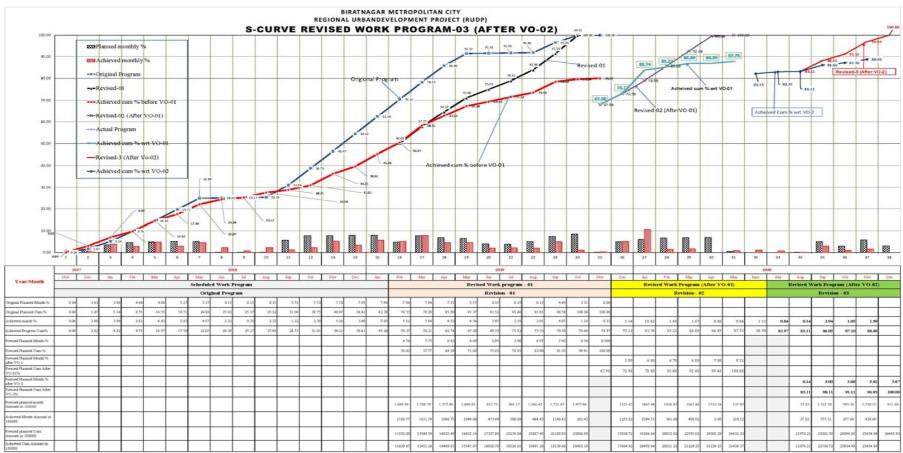
	Annex 6 © Reg Zhongheng	Construc	tion Gro	up Int	ernatio	onal Enginee	ring Co. Ltd.							
						-		28-11	- 20 5					
	Project Name:		Date: 28-11-20 RUDP Construction and Completion of sewerage, drainage, Road, Footpath and Roa furniture works Contract No: RUDP/ICB/BRT/02, Biratnagar											
						. Y	es/No		1					
S.N.	Staff Name	Position	Tempe- rature	Cold	Cough	Difficulty in breathing	Have You done hand sanitization before entering site/office	Has the person Wearing mask	Remark					
1	Bishny hori Khanal		95.6	110	110	MO	Yes	Yes						
2	parax bahadur suba		96.7	10	NO	ALD	Yes	Ves						
3	Ramesh shrestha		95.6	NO	NO	MO	yes	Ves						
4	Bangal thapa		97.7	NO	10	NO	Yes	Yes						
Û	Pradar Vadar		97.5	NO	116	NO	yes	Ves						
6	Dhirendra 11		96.3	No	NO	NO	Yes	Ves						
7	Jitendra 11	-	96.7	No	AID	NO	Yes	Yes						
8	Jenit 11		97.5	NO	NO	NO	Yes	Yes						
9	Kalvan charma		96.4	NO	NO	NO	Yes	Ves						
10	Bratsch Mandal		97.3	NO	NO	NO	Yes	res						
11	Tahir MIVa		96.4	NO	ND	140	Yer	Yes						
12	Shakt Rom Rai		95.5	10	NO	NO	Yes	res						
13	Rapul sharma		96.7	10	NO	NO	Ver	Ver						
14 -	Tezing Sherba		97.8	NID	10	NO	Ves	Ver						
15	Kishor sharma		9P.2	NO	40	NO	Ves	Yes						
16	Dinesh Dhakal		97.4	10	hio	NO	Ves	Ves						
17	Rustan ali		94.3	NO	No	NO	Ves	Yes						
6	Annax Alam		95.7	No	NO	NO	Ver	Yes						
19	Biday Saxdax	12	96.2	NO	NO	NO		Yes						
20	Ram Kadr upridba		97.7	No	NO	NO	Ves Ver	Yes						
21	Kisan chy.		97.9		NO	NO			·					
22	Rad K. Makhiya		96.2	NO	NO	1	Ver	Yes						
23	Pao nº 19aknya		10 2	140	140	NO	Yes	Ves	· · ·					
24				MGCOLU	D. * ZHO	IGHIN .								
25			(Internet in the second		the) SONS								
26				TATIONAL	47	2								
27				MATIN	()	fr.			-					
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30														
31														
32														



ANNEX-6: S-Curve

(ATTACHED)



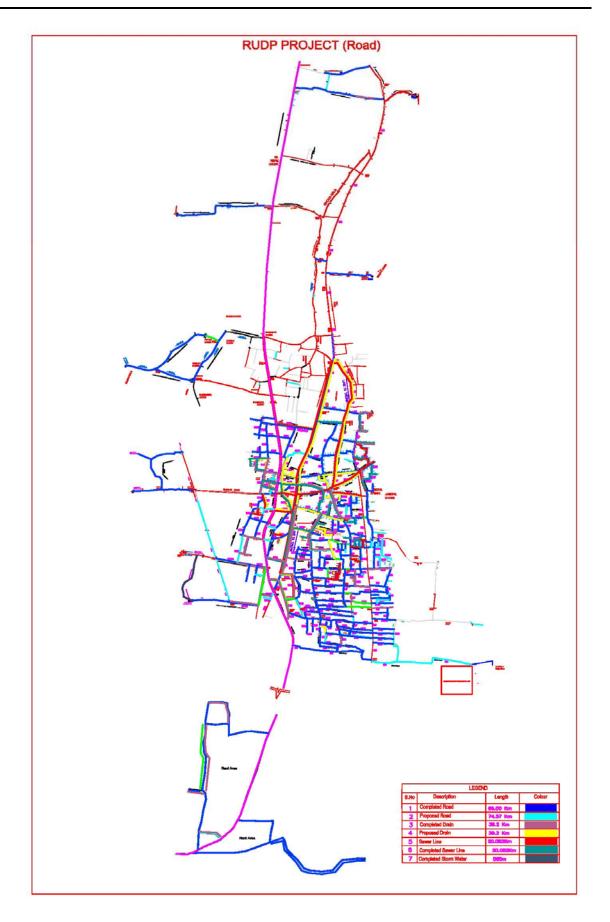


Note: Our Claim for Extension of Time will be remained valid as per contract till everything normalizes which occurred due to COVID-19.



ANNEX-7: Master Plan of RUDP Project







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