ORIGINAL

Building Design Authority (P) Ltd



in joint Venture with B.N.Consultancy Pvt.Ltd and PLUSHEngineering & architects (P) Ltd, Kathmandu.

Monthly Progress Report

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



September2020 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						
VO and EOT	Revised VO-3 and EOT has been submitted to the employer for approval on dated 27 th September 2020						
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 (Scheduled)	1 st November 2019						
Revised Date of Completion (after EOT-3)	28 th December 2020						



	General Features				
Contract Amount including PS and VAT	NRs. 2,611,092,249.63				
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 (after VO-2)	NRs. 2 ,988,389,581.81				
Progress					
Road Rehabilitation (Asphalt)	83.38%				
Sewer Line	99.46%				
Storm Drain	100.00%				
Road Side Drain	97.31%				
Integrated Solid Waste Management (ISWM) Design	Inception Report as well as Stakeholder's Analysis, Communication Strategy and Consultation Plan for Integrated Solid Waste Management (ISWM) has already been submitted. Due to Socio Environment Problem, Progress of Integrated Solid Waste Management (ISWM) design has been hindered.				
	With respect to Revised Work Program-03 (after VO-02):				
Physical Progress up to date	 Planned: 88.11%, Actual: 86.05%; Lead (+) or Lag (-) by (-) 2.06%; Work progress is lagging due to prohibitory order imposed by District Administration Office, Morang due to pandemic "COVID – 19" as Cases of COVID-19 has continued to surge along with fatalities in the region and unexpected rainfall as listed below: District Administration office (DAO), Morang has issued 				
	 District Administration office (DAO), Moralg has issued prohibitory order for seven days starting from 1st September, 2020 to 7th September 2020 through letter dated 1stSeptember 2020. Unexpected rainfall from 21thSeptember 2020 to 26th September 2020. Disputes on unclear ROW at some lanes. 				
Financial Progress up to date (on the	In Percentage: 81.75% , In Figure: NRs. 2,443,046,598.82 (including VAT and PS) up to IPC –17 wrt to VO-2.				
basis of IPC forwarded for disbursement)	In Words: NRs. Two Billion Four Hundred Forty Three Millions Forty Six Thousand Five Hundred Ninety Eight and Eighty Two 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	18,459.80	100.00	99.46%					
b	Manhole	No.	606.00	604.00	2.00	99.67%	/0-2				
c	Sewer Inlet	No.	1,010.00	564.00	446.00	55.84%	w.r.t VO-2				
d	House Connection	No.	3,784.00	2,360.00	1,424.00	62.37%	*				
2	2 Storm Water Drain										
a	RCC Drain	m	585.00	585.00	-	100.00%					
b	Piles	No. 138.00		138.00	-	100.00%	w.r.t VO- 2				
3	Road										
a	Subgrade	m	74,573.60	65,008.09	9,565.51	87.17%					
b	Subbase	m	74,573.60	64,642.09	9,931.51	86.68%	-2				
с	Base	m	74,573.60	63,667.29	10,906.31	85.37%	w.r.t VO-2				
d	Prime	m	74,573.60	62,480.29	12,093.31	83.78%	W.I.				
e	Asphalt	m	74,573.60	62,183.29	12,390.31	83.38%					
4	Road Side Drain	m	39,200.69	38,145.60	1054.40	97.31%	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. Remaining part of sewer lines inT3 and T4 completed under RUDP except 100m length of secondary sewer lines of T3 east of Sanihat Chowk. The SI & HCC works are in progress also the maintenance work of sewer lines, sewer inlet and house chamber connections are in progress where required as per instruction. 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	ed Quantity Up to Pre 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	2,218.00	142.00	2,360.00	62.37



3.1.2. STORM WATER DRAIN

The storm water drain CN2 and CN3 has been provisioned in Regional Urban Development Project (RUDP). The Contractor has already completed the works except some minor works at inlet and outlet which have been proceeding soon. The detail of the progress is shown in the table 3:

			-	Length of				
SN	Name of Drain Orig		Revised	Progress			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 65.008 Km. has been attempted. About 62.183km. 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: -



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

			Length in m					S			
SN	Road Number	Name of	Prog	ress		Sub-base	b-base Base Asphalt RC	RCC	Paint	ark	
511	Koau 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	196		196	196	196	196			
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		358.4	
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	



		Length in m					S				
SN	Road Number	Name of	Progress			Sub-base	Sub-base Base Asphalt			Paint	ark
511	Koau Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
11	В3	Keshaliya Marg	1,623.20		1623.2	1,623.20	1,623.20	1,623.20			
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			
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			
17	R26	Pasang Marg	602.3		602.3	602.3	602.3	602.3			
18	R28	Pustakalaya Marg	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			



			I	length in n	n		Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ıark
511	Koau Tumber	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
23	R7	R25 to R27	152.57		152.57	152.57	152.57	152.57			
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			



			I	length 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
36	R2	Main Road	3,116.10		3116.1	3,116.10	3,116.10	3,116.10		4350	
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			
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			
43	T1 L16B	Xenial Front	203.7		203.7	203.7	203.7	203.7			
44	T1L16A	Xenial South	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			



			Ι	length in n	n	Work Completed					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
47	R5(Branch Road)		57.6		57.6	57.6	57.6	57.6			
48	R3	Dharamban Marg	2,254.10		2254.1	2,254.10	2,254.10	2,254.10		2,080.30	
49	R3 -(T3 Family pl DUDBC)	anning to	337		337	337	337	337			
50	R84	West of school	237		237	237	237	237			
51	R84		248.9		248.9	248.9	248.9	248.9			
52	R85	Machha Line	153.8		153.8	153.8	153.8	153.8			
53	R87	Mahabir Chowk	234.2		234.2	234.2	234.2	234.2			
54	R86	Petrol pump side -R12	191.5		191.5	191.5	191.5	191.5			
55	R11	R18/R86	204.1		204.1	204.1	204.1	204.1			
56	N3	Jatuwa	122		122	122	122	122			
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			



			I	length 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
60	T2L27		75		75	75	75	75			
61	R122		251		251	251	251	251		497.4	
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			
67	T3L6	CDO Office front	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	R68 - T2L24G		218		218	218	218	218			
75	N10		194		194	194	194	194			



			I	length in n	n		Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
514	Koau Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
76	T3L24C &D	Hanuman Das Road	180		180	180	180	180			
77	R6(N2 to R41)		1,832.80		1832.8	1,832.80	1,832.80	1,832.80			
78	N24		144		144	144	144	144			
79	R31		189.2		189.2	189.2	189.2	189.2			
80	N27	Bindabasini Marga	354		354	354	354	354			
81	R73 (R2 to R5)		217		217	217	217	217			
82	R6 (R41-R44)	Bata Galli	269		269	269	269	269			
83	R9 (T3Line11K)		194.8		194.8	194.8	194.8	194.8			
84	R44	Thakurbari Road	727.1		727.1	727.1	727.1	727.1			
85	R102	Main	140		140	140	140	140			
86	R102	Branch	71.3		71.3	71.3	71.3	71.3			
87	R103		171.3		171.3	171.3	171.3	171.3			
88	R32		189.2		189.2	189.2	189.2	189.2			
89	T2L18Y		116.2		116.2	116.2	116.2	116.2			
90	R20		108		108	108	108	108			



			I	ength in n	n		Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
211	Koau Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
91	R82 (T1Line5)	Everest School	522.8		522.8	522.8	522.8	522.8			
92	T1L5A		171.9		171.9	171.9	171.9	171.9			
93	T3L23C	North to Jay Nepal	87		87	87	87	87			
94	T3L25B		285		285	285	285	285			
95	T3L25C		140		140	140	140	140			
96	R3(T3 Trunk)	Tinpaini to Sanihat	680		680	680	680	680			
97	Nagmandir to R3		55		55	55	55	55			
98	R4		860		860	860	860	760			
99	R75		137		137	137	137	137			
100	R43		329.4		329.4	329.4	329.4	329.4			
101	T219P		124.8		124.8	124.8	124.8	124.8			
102	T219Q		113.7		113.7	113.7	113.7	113.7			
103	R106		195		195	195	195	195			
104	T3L12		80		80	80	80	80			
105	R46		610		610	610	610	610			
106	T3L11E		124.55		124.55	124.55	124.55	124.55			
107	T3L13D		70		70	70	70	70			
108	T3L13C		102		102	102	102	102			



			I	ength in n	n		Work Con	npleted			2
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
311	Koau Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
109	R34		157.4		157.4	157.4	157.4	157.4			
110	T3L13E		64		64	64	64	64			
111	T3L13K		76		76	76	76	76			
112	R19		228		228	228	228	228			
113	R41		540		540	540	540	540			
114	R9B		83.85		83.85	83.85	83.85	83.85			
115	R67		119.4		119.4	119.4	119.4	119.4			
116	R74		95		95	95	95	95			
117	R9A		109		109	109	109	109			
118	T2L19F		120		120	120	117.2	117.2			
119	T3L7A		190		190	190	158	158			
120	T3L13F		75		75	75	75	75			
121	T3L11M		85		85	85	85	85			
122	T3L33A (N7)		135		135	135	135	135			
123	R35		142.5		142.5	142.5	142.5	142.5			
124	R83		130		130	130	130	130			
125	R105		174		174	174	174	174			
126	R15		194		194	194	194	194			
127	R181A		196		196	196	196	196			
128	N38		358		358	358	358	358			
129	T2L26E	Bhanu Tole	107		107	107	107	107			
130	T2L19G		63		63	63	63	63			



			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
131	T3L19H		84		84	84	84	84			
132	T2L19V		90		90	90	90	90			
133	T2L19Y		110		110	110	110	110			
134	T2L19Z		64		64	64	64	64			
135	R110		255		255	255	255	255			
136	T2L18A		97		97	97	97	97			
137	B2		2584.65		2584.65	2584.65	2584.65	2584.65	210		
138	R7	Sani Haat Chowk to Hospital	746.8		746.8	746.8	746.8	746.8			
139	R7	(R46-R44) Shree Hospital	155		155	155	155	155			
140	T3 Line18A	Nearby Neuro parking	79.32		79.32	79.32	79.32	79.32			
141	T3L21A	Milan Chowk	123.4		123.4	123.4	123.4	123.4			
142	T3L18C		103		103	103	103	103			
143	R39	Sansari Maisthan	160		160	160	160	120			
144	R40		330.6		330.6	330.6	330.6	330.6			



			Ι	length in n	n		Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	ark
DIN	Koad Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
145	R101		260		260	260	150				
146	T3Line5	Sanihat to Nagarpalika	285		285	285	285	285			
147	R7(R21 to R18)		68		68	68	68	68			
148	R7(R25 to R27		155		155	155	155	155			
149	R9(R37 to R30)		219.6		219.6	219.6	219.6	219.6			
150	N8		166.9		166.9	166.9	166.9	166.9			
151	R7		983		983	983	983	983			
152	R5		110		110	110	110	110			
153	T2Line11N		65		65	65	65	65			
154	R6	Siddhartha to R46	130		130	130	130	130			
155	R100 (T2Line 22B)		150		150	150	150	150			
156	T3 Trunk Line	Devkota to Family Planning	340		340	340	340	340			
157	T3Line25A		302		302	302	302	302			



			L	ength in n	n		Work Con	npleted			S
SN	Road Number	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	lark
51	Koad Mullipei	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
158	T3 Line23C		90		90	90	90	90			
159	R10		180		180	180					
160	T2 Line18K		76		76	76	76	76			
161	R47	Matrika Marga	322		322	322	322	155			
162	T3 Line22 (Devkota chowk to NRB		190		190	190	190	190			
163	R26	east of R3	324		324	324	324	324			
164	R27	east of R3	186		186	186	186	186			
165	N33	Parichaya Marga	194.5		194.5	194.5	194.5	194.5			
166	T3Line10C	Green cross Line	100		100	100	100	100			
167	N23		75		75	75	75	75			
168	R10		77		77	77					
169	R15		340		340	340	340	340			
170	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	ark
511	Koad Number	Road	Previous	This Month	Total	m	m	m	m	m	Remarks
171	R16	East of Dharambad	218.1		218.1	218.1	218.1	218.1			
172	T3Line10	Green cross Line	184.2		184.2	184.2	184.2	184.2			
173	T2Line19B	Jaycess Marga	148		148	148	148	148			
174	T3Line13C	Kumari Mill Line	229.3		229.3	229.3	229.3	229.3			
175	T2Line22A	Indreni Marga	382		382	382	382	382			
176	T2Line19W	Near Parichaya Marga	58.8		58.8	58.8	58.8	58.8			
177	R64		123		123	123					
178	R6	Shital Yadav Clinic Road	180		180	180	180				
179	R11	Om Shanti Marga	317		317	317	317	317			
180	R17	Dharambad East	230		230	230	230	230			



			I	length in n	n		Work Cor	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
181	R23		227		227	227	227	227			
182	R13		226		226	226	226	226			
183	T2Line18D(N19)		80		80	80					
184	T2Line19K			205	205	205	205				
185	T1Line7A			75	75	75	75				
186	T1Line7B			86	86	86	86				
187	T1Line7C			70	70	70	70				
188	T1Line 8C			56	56	56	56				
189	T1Line8B			155	155	155	155				
190	R70			216	216	50					
191	R4			200	200						
	Total		63,945.09	1,063.00	65,008.09	64,642.03	63,667.29	62,183.29	210.00	18,395.30	



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

				Progress in	m		Footpath		
SN	Road Number	Туре*	Previous	This Month	Cumulative	Length (m)	Avg. Breadth (m)	Quantity (m 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
	Total =		18,547.00		18,547.00	18,547.00		21,540.10	



SN	Description	Unit	Revised Length	Total Up to Previous Month	This Month	Total Up to this Month	Progress
1	Sub grade	m	74,573.60	63,945.09	1,063.00	65,008.09	87.17%
2	Sub Base	m	74,573.60	63,672.09	970.00	64,642.09	86.68%
3	Base	m	74,573.60	61,496.49	2,170.80	63,667.29	85.37%
4	Prime/Tack	m	74,573.60	59,651.29	2,829.00	62,480.29	83.78%
5	Asphalt	m	74,573.60	59,651.29	2,532.00	62,183.29	83.38%

3.1.4. ROAD SIDE DRAIN

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

					Length in m	l		Work Co	npleted	Ś
SN	Road Numbe	Name of Road	Original Revised		Progress			Brick	RCC	Remarks
51	r			Revised	Previous	This Month	Total	m	m	Ren
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		

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



					Length in m	1		Work Co	npleted	s
SN	Road Numbe	Name of Road			Prog	ress		Brick	RCC	lark
511	r	Ivalle of Koau	Original	Revised	Previous	This Month	Total	m	m	Remarks
7	R9	Baglamukhi path	120.00	103.20	103.20		103.20	103.20		
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
SN	Road Numbe	Name of Road			Prog	ress		Brick	RCC	ark
514	r	Name of Koau	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)(N euro to sidharth a 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		



					Length in m	1		Work Co	npleted	s
SN	Road Numbe	Name of Road			Prog	ress		Brick	RCC	ark
514	r	Name of Koau	Original	Revised	Previous	This Month	Total	m	m	Remarks
55	R6 (T3L11i		-	275.00	265.00		265.00	265.00		
56	R9 (T3L11 k)	Tathasthu Marga	-	200.00	180.00		180.00	180.00		
57	R45 (T3Line 10D)	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/R1 0a	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		



					Length in m	1		Work Co	mpleted	~
SN	Road Numbe	Name of Road			Prog	ress		Brick	RCC	ark
21	r	Name of Koau	Original	Revised	Previous	This Month	Total	m	m	Remarks
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	200.00	30.00	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		
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			274.00	26.00	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		



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					Length in m	l		Work Co	mpleted	s
SN	Road Numbe	Name of Road			Prog	ress		Brick	RCC	lark
511	r		Original	Revised	Previous	This Month	Total	m	m	Remarks
98	T3L22A				335.00		335.00	335.00		
99	T3L22B				120.00		120.00	120.00		
100	T3L25C				130.00	10.00	140.00	140.00		
101	T3L11B				71.00		71.00	71.00		
102	T3L11 M				82.00		82.00	82.00		
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	Parichay a 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		



Monthly Progress Report

					Length in m	1		Work Co	mpleted	S
SN	Road Numbe	Name of Road			Prog	ress		Brick	RCC	ark
511	r	Ivalle of Koau	Original	Revised	Previous	This Month	Total	m	m	Remarks
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			410.00	70.00	480.00	480.00		
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 (T3L10 A)	Matrika Marga			150.00		150.00	150.00		
141	R12	Kanchhadai Marga			475.00		475.00	475.00		
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		



Monthly Progress Report

					Length in m	1		Work Co	mpleted	s
SN	Road Numbe	Name of Road			Prog	ress		Brick	RCC	ark
514	r	Name of Koau	Original	Revised	Previous	This Month	Total	m	m	Remarks
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		
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	T2L19 W	Bhugol Marga			57.00		57.00	57.00		
157	T2L19V	Bhugol Marga			90.00		90.00	90.00		
158	T1L8B	School Marga			115.00	70.00	185.00	185.00		
159	T2L19K	Sundar Marga			207.00		207.00	207.00		
160	T2L19o				35.00		35.00	35.00		
161	T3L26E	R29 Branch 3			230.00	18.00	248.00	248.00		
162	T1L16C	CPN-UML office opposite			30.00	174.00	204.00	204.00		
163	T1L17	R181R90			80.00	4.60	84.60	84.60		
164	R70	Himalaya Road			35.00	165.00	200.00	200.00		
165	R6	Abadhnarayan Memorial Road				230.00	230.00	230.00		
166	R71	Morang Sahakari Hospital				55.00	55.00	55.00		
167	T1L13	Om Shiv Marg				40.00	40.00	40.00		
168	R4 Branch	Jatuwa Marga				75.00	75.00	75.00		
169	N1					70.00	70.00	70.00		
170	R111					160.00	160.00	160.00		



					Length in m	1		Work Completed		S	
SN	Road Numbe	Name of Road			Prog	ress		Brick	RCC	ıark	
511	r	Name of Road	Original	Revised	Previous	This Month	Total	m	m	Remarks	
171	N40					30.00	30.00	30.00			
	Total				36,918.01	1227.60	38,145.61	36,685.61	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 orientation Webinar on SOP for COVID-19 Risk Management at Workplace was held on 22 July 2020 at 10:30 am by Nepal Resident Mission (NRM), ADB followed by discussion meeting on 02 September 2020. The contractor was asked to submit Standard Operating Procedure (SoP) for Covid-19 Risk Management at workplace via. Letter ref No.: rudpbdabrt/tl 2020- 516 on 24th July 2020 & as discussed, the contractor has submitted the draft SoP which is under discussion and verification to make more realistic.

As instructed, the contractor has managed to provide masks to every labour/staffs at site and adopt social distancing. The guard is provided at the entrance of main gate at camp with sanitizer and register for entry. The guard is strictly instructed to make entry of each person entering the camp and make entry only after proper hand wash and proper observations. The camp is also equipped



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with electric kettle for hot water, thermometer for fever checking, medicines etc.

The contractor is planning to make two quarantine rooms for the labours/staffs in camp office with all the necessary requirements provided in SOP submitted.

The Indian Labours are strictly prohibited at site.

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

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

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

A regular monitoring visit by DSC was carried out and a standard site specific environmental monitoring checklist was used to record the present status of the project to verify if work has been done as per EMP Guidelines. A sample of environmental checklist is attached herewith as Annex. 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 labours from India have been strictly stopped due to pandemic COVID-19. 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 55 grievances have been registered formally up to this reporting period, among them, 10 grievances are registered in GRC desk, 27 grievances are listed in register and 18 are written. Similarly, 122 grievances are received through telephone. 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) and instructed to the contractor to develop Standard Operating Procedures for COVID-19 Risk Management at Workplace.

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 (going on length 700m) and R12 (completed of length 320m) have been performed this month.

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

Labour	La	Labour		Composition		Ethnic composition					
class	Skilled	Unskilled	Male	Female	Janjati	Dalit	Muslim	Madhesi	Brahmin/ Chhetri		
Local	19	55	74	0	19	7	9	39	0		
Non local	43	112	143	12	12	14	32	97	0		
Indian	0	0	0	0	0	0	0	0	0		
TOTAL	62	167	217	12	31	21	41	136	0		

Table – 5: Status of Labor at Site

• Indian Labours are strictly discouraged due to pandemic COVID -19



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	1st October 2018to30thNovember 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	



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9	IPC 09	10 th June 2019	1 st May 2019 to 31 st May 2019	90,419,375.33	
10	IPC 10	11 th July 2019	1 st June 2019 to 30 th June 2019	67,863,056.59	
11	IPC 11	30 th September 2019	1 st July 2019 to 30 th September 2019	95,296,297.30	
12	IPC 12	3 rd November 2019	1 st October 2019 to 31 st October 2019	53,113,369.86	
13	IPC 13	30 th November 2019	4 th June 2019 to 30 th June 2019	125,965,923.87	
14	IPC 14	31 st December 2019	1 st December 2019 to 31 st December 2019	63,509,092.84	
15	IPC 15	4thFebruary 2020	1 st Jan 2020 to 31 st Jan 2020	232,027,037.24	
16	IPC 16	1 st March 2020	1 st Feb, 2020 – 29 th Feb, 2020	102,186,834.62	
17	IPC 17	1 st July 2020	1 st March,2020– 30 th June, 2020	153,448,663.15	
18	IPC 18	05 th Oct. 2020	1 st July,2020–30 th Sep, 2020	Under Scrutiny	
Total amount advance till d		& Mobilization		2,443,046,598.82	

Note:

- Physical progresses are lagging due to lockdown from 1st September 2020 to 7 September 2020, unavailability of sufficient pass/permit, stocks of materials, unclear ROW at some lanes and unexpected rainfall from 21 September 2020 to 26 September 2020.
- Revised EOT and VO-3 of the consultant (DSC) submitted to the employer on 27thSeptember, 2020 to peruse and further action toward approval from the concerned authorities.



4. OBJECTIVES AND SCOPE OF WORKS

4.1. OBJECTIVES

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

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

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

4.2. SCOPE OF WORKS

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

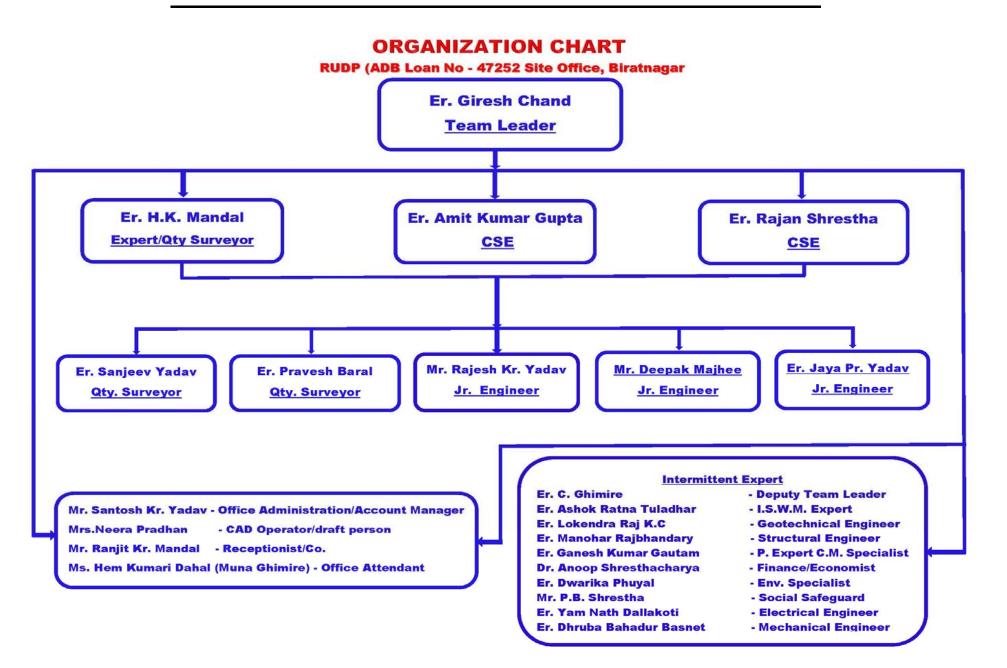
- Detailed Design and Procurement Assistance Phase for integrated solid waste management design (ISWM)
- Monthly progress report and quarterly progress report.
- Semi- annual Environmental monitoring report.
- Semi-annual Safeguard monitoring report.
- Annual progress report including annual Environmental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



4.3. ORGANIZATION AND STAFFING

Attached







4.4. CONSULTANT'S ACTIVITIES IN CONSTRUCTION PHASE

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

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

SN	Name	Designation	Joining date	Remarks
1	Mr. Giresh Chand	Team Leader	6 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 Majhi	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, manhole 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. Both production at Koshi project yard and Madhumara yard are 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.

Month	Target	This Month		ement This Aonth	L	eading	Lagging		Remarks
Month	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Kemarks
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	L	agging	Remarks
Withth	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Keinai Ks
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

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		 District Admiration office (DAO), Morang has issued prohibitory order for seven days starting from 1stSeptember,2020 to 7thSeptember 2020 through letter dated 1stSeptember 2020 Unexpected Rainfall from 21 September 2020 to 26 September 2020. 	
2		• A meeting chaired by Mayor, Mr. Bhim Parajuli held at PIU office, Biratnagar on dated 23 September 2020	
3		 A virtual meeting on SOP for COVID-19 Risk Management at workplace held on 2 September 2020. As asked for the Standard Operating Procedure (SoP) for Covid-19 Risk Management at workplace via. Letter ref No.: rudpbdabrt/tl 2020- 516 on 24th July 2020 & as discussed, the contractor has submitted the draft SoP which is under discussion and verification to make more realistic. 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		88,951.00	1600	90,551.00	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	

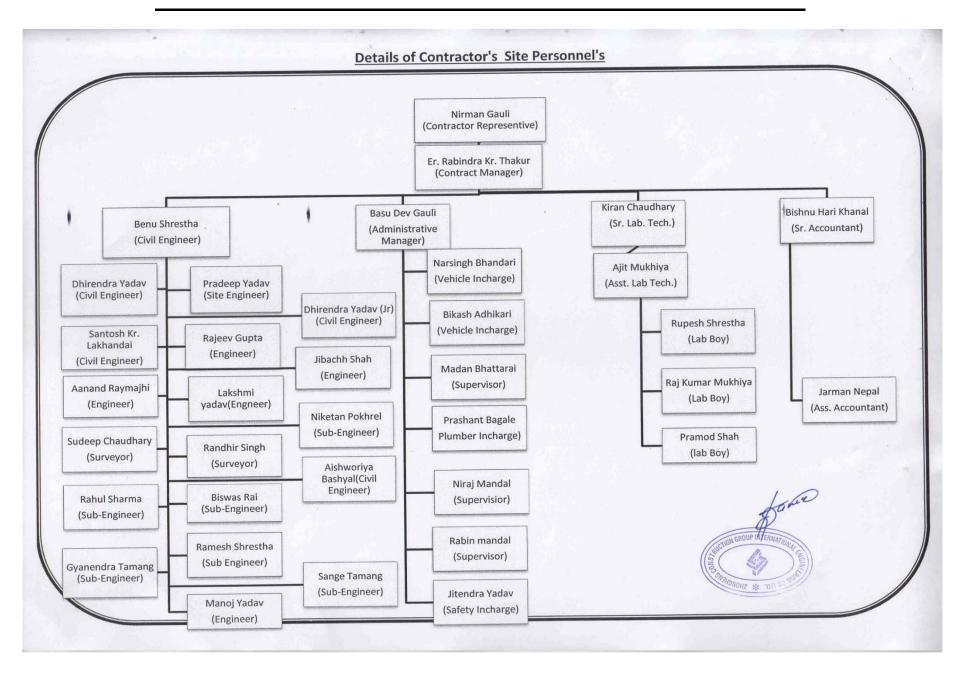


		1	Physical Pro	ogress till da	te		
S.N.				Progi	ress		
	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks
1	HDPE Pipe	110.00	1,987.20	4,487.20	-	4,487.20	
2	HDPE Pipe	200.00	16,656.00	16,500.00	-	16,500.00	
3	HDPE Pipe	250.00	115.00	450.00	-	450.00	

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	-	8	
8	Sub-Engineer	-	6	
9	Accountant	-	2	
10	Lab Technician	-	1	
11	Store Keeper	-	1	
12	Vehicle In charge	-	2	
13	Skilled Labors		62	
14	Unskilled Labors		167	



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-5Nos.
2	Crane (10 ton capacity)	3	1	
3	Asphalt plant of adequate capacity	1	1	
4	Asphalt pavers	1	1	
5	Vibrating roller	2	4	Among 4 Nos.:- 2ton rollers – 1Nos.
6	Pneumatic tyre roller 8 to 10 ton	2	1	
7	Smooth wheeled roller 8 to 10 ton	1	1	
8	Grader	1	2	
9	Track Dozer (120 to 180 HP)	1	-	
10	Bitumen distributor (4 to 6 Kilo 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 1	
14	Tipping Trucks	5	4	
15	Service vehicle	15	4	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	5	
20	Mixer Machine	3	5	
21	Concrete Batching Plant	1	-	
22	Concrete pump	1	-	
23	Drain cleaner/ Nala cleaner	2	-	
24	Broomer		1	
25	Motor Bike		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 works.
- 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, Disputes on unclear RoW at some lanes and if uncertainty for unexpected rainfall being not occurred.
- The contractor claimed for time & cost pursuant to relevant clauses of the contract which are under perusal.



ANNEX-1: Photographs of September 2020





Drain works at R6 (Abod Narayan Memorial Road)



PCC works at R6



Regional Urban Development Project (RUDP)



Asphalt work at T3Line19K (Neuro)



At Koshi Yard



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

ANNEX-2: Minutes of Meeting September 2020

Several meeting has been arranged on virtual media as well as chaired at prefixed venue:

Orientation Webinar on SOP for COVID-19 Risk Management at Workplace- 2 September 2:00-4:00 PM via. MS Team,



Minutes of Meeting - RUDP, Biratnagar

SNer price

Bluim Parajuli.

11

CM, M/S Zhongheng Construction Group

International Engineering Co. Ltd.



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

Mayor, BMC

S.D.O., PIU

Project Manager (PM), PIU

Electrical Engineer, PIU

Asst. Administration, PIU

Date:23September2020 Time:2:00PM Venue:PIU, Biratnagar

Attendance

Employer:

- 1 Mr. Bhim Parajuli
- 2 Mr. Bharat Kumar Neupane
- 3 Mr. Punam Kumar Dahal
- 4 Mr Anil Singh
- 5 Mr. Purushottam Lamichhane
- Contractor:

1 Mr. Ravindra Kumar Thakur

Consultant:

1 Mr Giresh Chand

TL, DSC 4

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

S. NO.	Minutes	Action by
1	Mr Neupane, PM briefed about present status of the Project and Mr Chand informed present progress status of RUDP. The progresses are as stated below till the end of Aug 2020:-	The employer, contractor
	Physical Progress = 83.11% Financial progress = 81.75%	& consultant
	Component wise progresses are-	
	Road Rehabilitation (Asphalt) = 80% Sewer Line = 99.50% Storm Drain = 100% Road Side Drain = 95%	
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	Page 1 of Pages 3	



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

Minutes of Meeting - RUDP, Biratnagar

S. NO.	Minutes	Action by
2	Mayor, Mr. Parajuli emphasised on	The
	5 7 7	employer,
	i. Priority to the road construction work of Barganchhi	contractor
	Chowk east and Keshaliya road, due to high traffic	&
	movement at those roads and adjacent to core market hub	consultant
	of Biratnagar	
	ii. Settlement of road at R6 (Sai temple)	
	TL, Mr Chand informed that Barganchhi Chowk east and	
	Keshaliya road are not in our scope as per contract. As far as	
	settlement of road at R6 is concerned, it happened due to	
	existing water supply pipes which laid more than 20 years ago	
	& rusty. TL added that WWTP is working well till date but as	
	per our observation and due to lack of proper adoption of	
	guidelines of Operation & Maintenance manual, it may fail.	
	So, need proper concentration for Operation & Maintenance of	
	WWTP as well as sewer system. Even if it is not our	
	responsibility nor comes under our TOR, as the STIUEIP	
	Project is already handed over to the employer & completed	
	but even though there are some findings which need to address	
	immediately.	
	 Need to stop discharge from the cultivated lands, 	
	need to inspect & control the infiltration and cross	
	connections, all illegal cross connections between	
	storms and sanitary sewers should be avoided.	
	 Schedule cleansing of sanitary sewer should be 	
	implemented, need to mobilize the sewer cleansing	
	machineries & equipment for smooth operation &	
	maintenance time to time.	
	 Routine maintenance as well as emergency 	
	maintenance are required immediately not only for	
	WWTP (components like Enclosure chamber, Sump	
	well, Oil & Grease chamber and Grit chamber, etc.)	
	and certainly required for rest of sewer system to	
- 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19		
	handle the threats which happens due to heavy	
	rainfall, raising of Water Table & soil sedimentation	
	(at WWTP's components and in sewer pipes &	
	manholes because of plaster and punning have been	
	done up to taper portion of manhole so if soil	
	deposited at certain level in ditch, the flow will be	in the
	obviously little bit higher than designed one and may	2.4.4
Authority //	pass through tiny pours to road surface and damage	1.11
S.	the pitch too).	
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1	Page 2 of Pages 3 Orleuber + 2014	<u>_</u> -
# Biratna	Wind SX. B. A.	
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Action b	Minutes	S. NO.
	 Low "self-cleansing" velocity in secondary lines must require frequent inspection and cleansing. PM, Neupane assured to monitor those and convey his gratitude for DSC concern. Mayor, Mr. Parajuli instructed to PM/PIU & TL/DSC to prepare the Variation order (VO) to incorporate Barganchhi Chowk east and Keshaliya road ASAP. 	
The Contracto	CM, Mr Thakur expressed that due to COVID-19, unexpected rainfall and unclear ROW, progresses are slow. Hence, Extension of Time (EOT) may require due to above mentioned reasons. TL, Mr Chand asked CM, Mr Thakur to submit SOP ASAP. TL, Mr Chand also informed that as of conversation at PCO/PMC the imposed budget due to this SOP will be pay through Provisional Sum of BOQ of civil work.PM, Mr Neupane agreed for above statement of PS.	3



ANNEX-3: Laboratory Test Results of September 2020



Monthly Progress Report

	Ι	REGIONAI	Biratnagar N Contract No:-	EVELOPME Aetropolitan Ci RUDP/ICB/BRT-	ty 02	OJE	СТ		
			Summary Sheet	of Monthly Test Repor	t	Mo	41.	6	
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1	RUDP-SG-01	T1L8-C,(0+020)	Existing Road	2-Sep-20	(1.950	(7.70	(9.93	6.52	-
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	irendra yadav	F	Rabindra kr. Thakur	H.K. Mandal/Rajan Sh	restha			Chand	



Monthly Progress Report

	REC	GIONAL	Biratr Contra	agar N act No:-	L V ELO Metropolit RUDP/ICE	an City B/BRT-02	III KU	JECI	
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			Loca	tion:-T1L	.8-C	1	Year ype of Material		020 Grade
				Moistu	re content %	Densit	y(gm/cc)		action %
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction	Specified
1	RUDP-SG-FD-1	4-Sep-20	0+010	7.70	7.06	1.950	1.863	(95.56	ť 95
2	RUDP-SG-FD-1	4-Sep-20	0+040	7.70	6.59	1.950	1.886	(96.70	95
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	Dhirendra yadav		Rabindra K	r. Thakur	H.K. Mandal/Raj	an Shrestha		Giresh Chand	



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2		5	Summary Sheet of I	Monthly Test Report	<u>-t</u>			1	
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1	RUDP-S-01	T2L19K,(0+090)	Existing Road	1-Sep-20	1.920	8.90	7.23	6.40	
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	Engineer endra Yadav		Contract Manager Rabindra Thakur	Expert Qty Surveyo	r/CSE		Т	eam Lea	der
			Rabinura makur	Mandal/Rajan Shree	stha		G	iresh Ch	and



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			Summ	ary Shee	t of Field Der	isity Test	M	- (-	
				/			Month Year	(Septer 202	nber 20
_			Location:-T2L19K				Type of Material	Sub-Grade	
				Moistur	e content %		sity(gm/cc)	Compaction %	
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dr density gm/cc	y density,	Compaction	Specified %
1	RUDP-SG-FD-1	2-Sep-20	0+020	8.90	7.22	1.920		% 96.51	95
2	RUDP-SG-FD-1	2-Sep-20	0+050	8.90	8.52	1.920		96.30	95
3	RUDP-SG-FD-1	2-Sep-20	0+140	8.90	6.00	1.920		95.64	95
4	RUDP-SG-FD-1	2-Sep-20	0+180	8.90	7.36	1.920		96.36	95
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Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	-
1	RUDP-S-01	R-101,(0+060)	Existing Road	1-Sep-20	1.948	9.50	(9.12	(6.31	
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			Loc	ation: R	-101	-	Year Type of Material	202	
					re content %		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	Specified %
1	RUDP-SG-FD-1	2-Sep-20	0+020	(9/50	9.19	1.948	1.873	(96.17	95
2	RUDP-SG-FD-1	2-Sep-20	0+060	9.50	9.01	(1/.948	1.858	(95.37	95
3	RUDP-SG-FD-1	2-Sep-20	0+110	(9.50	8.40	(1.948	1.875	/96.24	95
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	/	ouractor				1.5/	Consultant		
ZHON	NGHENG CONSTRUC ENGINEI	EION GROUP	INTERNA	TIONAL	WITH B.N. CO	JNSULTANC	HORLTY (P) LT Y PVT. LTD A LTD, KATHN	ND PLUS ENG	INFFDS &
,	Checked By		Submitted	 3v	J. r	&		8	
Г	Engineer Dhirendra Yadav	(Contract Ma	nager	Expert Qty Su	irvevor/CSE		Approved By Team Leader	
		F	Rabindra T	nakur	H.K. Mandal/Ra	ajan Shrestha	a (Giresh Chand	



Page 74 of 153

]	REGIONAI	Biratnagar Contract No:	DEVELOPMENT Metropolitan City - RUDP/ICB/BRT-02	r PR	OJE	СТ		
Location: T3L7 Year 2020 Sn. Lab.Ref no. Location/Chainage Source of Sample Date of Testing MDD OMC P1% CBR% Remark 1 RUDP-SG-01 T3L7,(0+050) Existing Road 2-Sep-20 1980 8:30 /1.39 /7.42				Summary Shee	t of Monthly Test Report			-	/	
Location: T3L7 Type of Material Sub grade Sn. Lab.Ref no. Location/Chainage Source of Sample Date of Testing MDD OMC P1% CBR% Remark 1 RUDP-SG-01 T3L7,(0+050) Existing Road 2-Sep-20 (1.980 (8.30 //39 //42 1 RUDP-SG-01 T3L7,(0+050) Existing Road 2-Sep-20 (1.980 (8.30 //39 //42 1 RUDP-SG-01 T3L7,(0+050) Existing Road 2-Sep-20 (1.980 (8.30 //39 //42 1 RUDP-SG-01 T3L7,(0+050) Existing Road 2-Sep-20 (1.980 (8.30 //39 //42 1 RUDP-SG-01 T3L7,(0+050) Existing Road 2-Sep-20 (1.980 (8.30 //39 //42 1 RUDP-SG-01 T3L7,(0+050) Existing Road 2-Sep-20 (1.980 (8.30 //42 1 RUDP-SG-01 RUDP-SG-01 RUDP-SG-01 RUDP-SG-01 RUDP-SG-01 RUDP-SG-01 1 RUDP-SG-01 RUDP-SG-01 RUDP-SG-01 RUDP-SG-01 RUDP-SG-01 RUDP-SG-01 2 RUDP-SG-01 RUDP-SG-01 RUDP-SG-01 RUDP-SG-01 RUDP-SG-01					/					
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Contract Manager Expert Qty Surveyor/CSE Team Leader				Submitted By	Verified By			K	/ed By	
Giresh Chand			R		Expert Qty Surveyor/CSE			Team L	eader	



			Contra	act No:-	Metropoli RUDP/IC	B/BRT-0	2		
			Sum	nary sne	et of rield De	nsity Test	Month	Sep	tember
			Loca	ation:-T3	L7	1	Year Type of Material		2020 Grade
				Moistur	re content %	Densit	ty(gm/cc)		action %
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction %	Specified
1	RUDP-SG-FD-1	3-Sep-20	0+030	(8.30.	(8.11	1.980	51.892	95.56	(95
2	RUDP-SG-FD-1	3-Sep-20	0+100	(8.30	(7.91	1.980	(1.903	96.11	(95
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D	hirendra yadav	1	Rabindra Kr.	Thakur H	I.K. Mandal/Raja	in Shrestha		Team Leader Giresh Chand	



Location:-T1L7-B Year (202) Type of Material Sub gr	N1-04	-02	DP/ICB/BRT	ratnagar Met ontract No:- RU	Co		
Year 202 Type of Material Sub gr Sn. Lab.Ref no. Location/Chainage Source of Sample Date of Testing MDD OMC PI% CBR% R 1 RUDP-SG-01 T1L7-B,(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 T1L7-B,(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 T1L7-B,(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 T1L7-B,(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 T1L7-B,(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 T1L7-B,(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 T1L7-B,(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 T1L7-B,(0+030) RUP-SG-01 RUP-SG-01 RUP-SG-01 RUP-SG-01 RUP-SG-01 1 RUP-SG-01 RUP-SG-01 <		<u>rt</u>	Ionthly Test Report	ummary Sheet of M	<u>S</u>		
Location:-T1L7-B Type of Material Sub gr Sn. Lab.Ref no. Location/Chainage Source of Sample Date of Testing MDD OMC P1% CBR% R 1 RUDP-SG-01 T1L7-B.(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 T1L7-B.(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 T1L7-B.(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 T1L7-B.(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 T1L7-B.(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 T1L7-B.(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 RUDP-SG-	and the second s						
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Out Consultant Date of resting MDD Own C P79 CBR79 R 1 RUDP-SG-01 T1L7-B.(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 T1L7-B.(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01 T1L7-B.(0+030) Existing Road 2-Sep-20 1.960 7.50 7.84 7.30 1 RUDP-SG-01		MDD			Location/Chainage	Lab Ref no	Sn
Contractor ZHONGHENG CONSTRUCTION CROUP INTERNATIONAL ENGINEERING CO. ETO		/			T11.7 P (0+020)		
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JO VENTURE WITH B.N. CONSELTANCY PVT. LTD PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	(1.960 (7.50 (7.84 (7.30	(1.960	2-Sep-20	Existing Road	11L7-B,(0+030)	KODP-SG-01	
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JO VENTURE WITH B.N. CONSELTANCY PVT. LTD PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL						1	
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD ENGINEERING CO. LTD ENGINE CO. LTD ENGINEERING CO. LTD ENGINEERING CO. LTD ENGINEER							
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD ENGINEERING CO. LTD ENGINE CO. LTD ENGINEERING CO. LTD ENGINEERING CO. LTD ENGINEER							
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JO VENTURE WITH B.N. CONSELTANCY PVT. LTD PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL							-
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JO VENTURE WITH B.N. CONSELTANCY PVT. LTD PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL						Service Proventier	
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JO VENTURE WITH B.N. CONSELTANCY PVT. LTD PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL							
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JO VENTURE WITH B.N. CONSELTANCY PVT. LTD PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL						•	
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JO VENTURE WITH B.N. CONSELTANCY PVT. LTD PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL							-
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD BUILDING DESIGN AUTHORITY (P) LTD IN JO VENTURE WITH B.N. CONSELTANCY PVT. LTD PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL							
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD ENGINEERING CO. LTD ENGINE CO. LTD ENGINEERING CO. LTD ENGINEERING CO. LTD ENGINEER							
	WITH B.N. CONSELTANCY PVT. LTD AN INGINEERS & ARCHITECTS (P) LTD,	H B.N. C	VENTURE WIT	INTERNATIONAL B	TRUCTION GROUP GINEERING CO. ET	GHENG CONS	ZHON
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Checked By Submitted By Verified By Approved By				Submitted By			
Engineer Contract Manager Expert Qty surveyor/CSE Team Leader Dhirendra Yaday Rabindra Kr. Thakur H k. Magda/Raina Shrasha Cirach Chand		r/CSE	Expert Qty surveyor	Contract Manager Rabindra Kr. Thakur			
Dhirendra Yadav Rabindra Kr. Thakur H.k. Mandal/Rajan Shrestha Giresh Chand		Shrestha	H.k. Mandal/Rajan S	Rabindra Kr. Thakur			



		IONAL	Biratn Contra	agar N ct No:-	Aetropolit RUDP/ICE	tan City B/BRT-02		JECT	
			Junn	ary snee	a of Fleid Den	sity Test	Month	Septer	mber
			Looo	tion:-T1	17 D	E	Year	202	20
			Loca	Moistu	re content %	Densit	ype of Material y(gm/cc)	Sub-G Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	омс%	Field MC%	Max.Dry density gm/cc		Compaction	Specified %
1	RUDP-SG-FD-1	3-Sep-20	0+030	\$.50	7.19	.1.960	(1.888	96.30	95
2	RUDP-SG-FD-1	3-Sep-20	0+070	(7.50	7.26	1.960	(1.892	(96.52	95
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-		entractor	and and a second				Consultant		
	ZHONGHENG C INTERNATIONAL	ENGINEERIN	G CO, LIT		BUILDING DI WITH B.N. CO & ARC	ESIGN AUT ONSULTAN CHITECTS	HORITY (P) L CY PVT. LAD P) LTD, KATA	TD IN JOINT AND PLUS EN IMANDU, NEP	VENTURE GINEERS AL
	Shi Chrecked By		Submitte	/	9.08	<u>.</u>		¥	
C	Engineer Dhirendra Yadav	1	Contract N Rabindra Ki	lanager	Verified I Expert Qty Surve I.K. Mandal/Rajan	yor/CSE		Approved By Team Leader Giresh Chand	



		-	Summary Sheet of Me	onthly Test Report	-	Mo	nth:	Sen	tember
						Ye	ar e of		020
			Location:-	T1L7-A		Mat		Sub	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remar
1	RUDP-SG-01	T1L7-A,(0+030)	Existing Road	1-Sep-20	(1.948	(7.70	(8.70	(6.52	
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I.			-		130	Biratnagar	A PAL	-	
			Δ	_	1	biratnas		/	
	QWi		L.	1.0%			8K	/	
	hecked By		Submitted By	Verified By				ved By	
Dhir	Engineer rendra yadav			Expert Qty Survey	or/CSE		Team L	eader	
	Engineer		Submitted By Contract Manager Rabindra kr. Thakur	Verified By Expert Qty Survey H.K. Mandal/Rajar	or/CSE 1 Shrest	na	Approv	ved By eader	



		GIONAI	Contr	act No	Metropol :- RUDP/IC	B/RRT.		- Concer	
						F	Month Year		ember
			Loca	tion:-T1	L7-A are content %	1	Type of Material		020 Grade
Sn.	Lab.Ref.no	Testing Date		WIDISU	ine content %	Densi	ty(gm/cc)		iction %
1	RUDP-SG-FD-1	3-Sep-20		1	6 Field MC%	Max.Dry density gm/cc	Field Dry density, gm/cc	Compaction	Specified %
2	RUDP-SG-FD-1	3-Sep-20	0+025 0+060	7.70	7.25	(1.948	1.859	(95.43	95
1			0.000	(1.10	6.57	(1.948	1.872	(96.09	95
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NGI	IENG CONSTRUCT	ION GROUP IN	TERNATIO		BUILDING DE	SIGN AND	Consultant		
-	LINGLIFER	ING CO. LTD	I RNATIO	NAL	VITH B.N. CON ARCH	SULTANCY	ORITY (P) LT PYT. LTD AN LTD, KATHM	D IN JOINT VE D PLUS ENGIN ANDU, NEPAL	NTURE EERS &
						15	Biratnagar *		
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0	h		10h1		d.r.X.		Qu	/	
	Eked By	S	ubmitted By		Verified By				
Dhiren	ngineer Idra yadav	Co	ntract Manag indra Kr. Tha	er Expe	ert Oty Surveyor/	CSE	Арр	roved By n Leader	
-		Kabi	india Kr. Tha	Kur [H.K.	Mandal/Rajan S	hrestha	Giresh	h Leader Chand	



		<u>s</u>	ummary Sheet of M	DP/ICB/BRT onthly Test Repo		1			
						Mon Ye:	10000	Sept 2	tember 020
			Location:-T1L8-I	,		Type	e of		grade
C	Lab Dafaa	Location/Chainage		1	MOD			CBR%	P
Sn.	Lab.Ref no.		Source of Sample	Date of Testing	MDD	OMC	PI%		Remarks
1	RUDP-SG-01	T1L8-B,(0+060)	Existing Road	3-Sep-20	1.940	8.40	8.10	7.52	
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CHON	GHENG CONS	Contractor STRUCTION GROU	P INTERNATIONAL	BUILDING DE VENTURE WIT	SICNEAU	ONSULT	TY (P)	PVT. L	TD AND
		GINEERING CO. L		PLUS ENG	INEERS	& ARCH	HEC	TS (P) L'	тd,
						Follow			/
	11 -		n,	10%			0	/	
5	21			dian					
	hecked By Engineer		Submitted By Contract Manager	Verified By Expert Qty Surveyo	-/CSE		Appro Team I	oved By	
	rendra yadav		Rabindra Kr. Thakur					Chand	



	REGIO						T PROJ	ECT	
			Contract	t No:- R	etropolita UDP/ICB/I	BRT-02			
			Summar	ry Sheet o	of Field Densit	ty Test			-
							Month Year	Septer 202	
-			Loca	tion:-TII	.8-B re content %	Dane	Type of Material	Sub-G	
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1.00			e coment 70	Max.Dr	and the second s	Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	density gan/ce	density,	Compaction %	Specifie %
1	RUDP-SG-FD-1, L/S	5-Sep-20	0+050	(8.40	6.26	6.940	1.846	95.16	95
2	RUDP-SG-FD-1, R/S	5-Sep-20	0+090	(8.40	7.90	(1.940	1.871	(96.44	95
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.2	1	16 J		1 100	1.15 M				
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	and the second	-							
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	50	HUNELOF ZHONCH	A.				Consultant		-
ZH	ONGHENG CONSTRUC	TION GROUP	INTERNAT	IONAL	BUILDING E WITH B.N. C & AR	DESIGN A CONSULE CHITECT	THORITY (P) I NCY PVT. LTD S (P) LTD, KAT	TD IN JOINT AND PLUS EN HMANDU, NEI	VENTURI NGINEERS PAL
	m		1	1	7.2	2.	Biratnagat	9	/
	Checked By		Submit	ted By	Verified	By		Approved By	
-	Engineer Dhirendra yadav		Contract 1	Manager	Expert Qty Surv	veyor/CSE		Team Leader	100
	officential yaudy		Rabindra H	u makur	H.K. Mandal/Raja	n Shrestha		Giresh Chanc	1



		<u>S</u>	ummary Sheet of M	onthly Test Repo	<u>rt</u>	Mon	the	Can	tombox
						Ye			tember 020
			Location:-T1L7-0	-		Type Mate		Sub	grade
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
1	RUDP-SG-01	T1L7-C,(0+030)	Existing Road	3-Sep-20	1.932	8.12	8.30	8.20	/
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CHON		STRUCTION GROUI		BUILDING DE VENTURE WIT PLUS ENG	HB.N. C	ONSUL	EANCY HTEC	ΓΡΥΤ. L ΓS (P) L	TD AND
		SHEWOHZ * COD	- SIM		КАТНМ	ANDU,	NEPAL		
			1		Biratn	agar *		/	/
	shi		di.	1.0%			8		
1	Checked By		Submitted By	Verified By				ved By	
S			Contract Manager	Expert Qty Surveyo H.k. Mandal/Rajan	r/CSE		Team l	Leader	
	Engineer rendra yadav						Giresh		



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	REGIO	ONAL U	Biratna	gar Me	VELOP etropolita UDP/ICB/I	n City		OJ	ECT	
			Summar	y Sheet o	f Field Densit	y Test	Month	-	Jun	
							Year	_	202	0
_			Loca	tion:-T11 Moistur	e content %	Den	Type of Mat sity(gm/cc)	erial	Sub-G Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.D density gm/cc	y densi	ty,	Compaction %	Specified
1	RUDP-SG-FD-1, R/S	5-Sep-20	0+025	8.12	7.25	1.932	1.87	1	96.82	95
2	RUDP-SG-FD-1, L/S	5-Sep-20	0+060	8.12	6.62	1.932	1.87	2	96.90	95
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ZI	IONGHENG CONSTRUC	115 03	a	TIONAL	WITH B.N. C	CONSUL	ANCY PVT	(P) LT	LTD IN JOINT D AND PLUS E HMANDU, NE	NGINEERS
	Checked By Engineer Dhirendra yadav		Contract	tted By Manager Kr Thakur	Expert Qty Sur H.K. Mandal/Raja	veyor/CSE	A Biratnag	/1×	Approved B Team Leade Giresh Chan	r



Longian December of Sample Date of Testing Sample Sample Sample Date of Testing Sample I RUDP-SB-01 H14-5C, (0+040 Chisang Khola 8-Sep-20 Sample 9-Sep-20 Samp
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	REGIO		Biratna	gar M	etropolit	an City	NT PRO	JECT	
					of Field Dens				1
				/			Month Year		ember 20
_			Locat	ion:-(T1)	L8-C		Type of Material	(Sub-	Base
					e content %	Dens Max.Dr	ity(gm/cc) V Field Dry	Compa	ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	density	density,	Compaction	Specified %
1	RUDP-SB-FD-1, L/S		0+010	(6.10	(5.17	(2.208	/2.116	(95.82	95
2	RUDP-SB-FD-1, R/S	11-Sep-20	0+030	6.10	5.63	2.208	1 2.127	(96.35	95
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	Contract	or		-			-		
						1.3	Consultant	\	
1	ZHONGHENG CONSTR NTERNATIONAL ENGIN	UCTION GRO VEERING CO.	UP LTD	BUILDIN CONSUI	TANCY PV1	. LTD ANI	Y (P) LTD IN JC D PLUS ENGIN FIIMANDU, NE	EERS & ARCH	E WITH B.N. ITECTS (P)
-	K SHONORENS	e on to other				63	# Eiramago *	/ /	
							R Bilau	/	
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S					C/. x			B	
		Sulfmitted By ontract Manage	r		Verified By Qty Surveyor/	CSE		Approved B	
		bindra Kr. Thaku		I.k. Manda	al/Rajan Shree	stha		Team Leader Giresh Chan	
	1 2 5 1 5								







			Biratn Contra	agar N	letropolit RUDP/ICB	an City /BRT-02	NT PRO	JECI	
						[Month	Septe	mber
			Loc	ation:-T	31 7		Year	20	
			Loc	Moistur	'e content %	Dens	Type of Material ity(gm/cc)	Sub- Compa	Base ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max Dr	Field Dry	Compaction	Specified %
	RUDP-SB-FD-1, R/S		0+030	6.20	.5.32	(2.230	2.131	(95.56	95
2	RUDP-SB-FD-1, L/S	10-Sep-20	0+100	6.20	5.97	2.230	2.145	(96.18	95
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-	Contracta	ERMATION				C	onsultant		
2 IN	ZHONGHENG CONSTRUCTIONAL ENGIN	ECTION GROU	UP LTD	BUILDIN CONSULT	IG DESIGN AU ANCY PVT. L'	FD AND PL KATHM	(P) LTD IN JOI US ENGINEER ANDU, NEPAL	NT VENTURE S & ARCHITE(WITH B.N. CTS (P) LTD
2		A		J. X.				~	
	neer Co	Sulfmitted By ntract Manager indra Kr. Thaku	E			ha		Approved By Team Leader Giresh Chang	'



	(September 2020	(Sub-Dase	CBR% Remarks	45.00	2						/	1		B.N. CONSULTANCY MANDU, NEPAL			d By ader hand	
	Month: Year	Material	OMC PI% CB	5.45 /103 45								<6 >30		NTURE WITH (P) LTD, KATI		P	Approved By Team Leader Giresh Chand	
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report	LocationR-101	Sieve Size in mm / passing % By Weight		89.36 69.67 51.75 34.72 25.58 16.81								100 65~95 50~85 40~75 30~60 20~45 15~37 4~15	Anthonity A	BUILDING DESIGN AUTHORITY (D) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS& ARCHHECTS(P) LTD, KATHMANDU, NEPAL	a all and a second a	Ares.	Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha	
Biratn Contra <u>Summa</u>			Sample Source of Sample Date of Testing 63.0	R-101.(0+060) Chisang Khola 6-Sep-20 100								Spec. Limit : 100	Contractor	ZHONGHENG, CONSTRUCTION CROUP INTERNATIONAL ENGINEERING COLUTD	CANDIN GROUP MITERIATOL	Cal.		
		-	on. Lab.Kef no.	I RUDP-SB-01	A									ZHONGHENG		SM	Checked By Engineer Dhirendra Yadav	



					letropolit: RUDP/ICB		2		
			Summa	ary sneet	of Field Dens	<u>ity rest</u>	Month	Septe	mber
			Loca	tion:-R	-101		Year Type of Material	20 Sub-	- Andrew - A
	The second second		Liota	Moistur	e content %		sity(gm/cc)	Compa	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density gm/cc	density,	Compaction	Specified %
1	RUDP-SB-FD-1, L/S	10-Sep-20	0+040	(5,45	4.88	(2.220	2.127	(95.81	95
2	RUDP-SB-FD-1, R/S	10-Sep-20	0+110	6.45	5.09	(2.220	2.138	(96.29	95
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-	Contrac	tor INTERNATION				1210	Consultant		- The second
	ZHONGHENG CONSTI	RUCTION GRO	ЦР ИТD	BUILDI CONSU	NG DESIGN A JLTANCY PVI	UTHORIT LITE AN LTE, KA	Y (P) LTD INJO D PLUS ENGIN THMANDUS NE	DINT VENTURI EERS & ARCH PAL	E WITH B.N. ITECTS (P)
		Λ,			1 ok				
En		Submitted By			Verified By ort Qty Surveyor/ al/Rajan Shres			Approved E Team Leade	r
hirei	idra Yadav Ri	abindra Kr. Thak	ur	H.K. Mand	al/Rajan Shres	tha		Giresh Char	id



	br	se		Remarks														Τ	1				BUILDING DESIGN AUTHORITY TO LED IN JOINTEANTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL				
	Septembr	2020 Sub-base		Re															1				CONSU NDU, N			1	
				CBR%	£1 0P	00.10	2		T				1	t	T	T		1		>30			THB.N.			2	Team Leader Giresh Chand
	th:	r of		PI%	1 53	_									+			4		< 9≥			RE WIT TD, KA		ð	2	Team
	Month:	Type of Material		OMC	6.45	01-0																	ENTUI				
				MDD	2 276	N-1-1-1									T		/		Π		1	Hank	BUND S		1		
				0.075	0.70	8.37							T	T	T	V		T		4~15		Consultant	K ARCI	k Ciramagar *)		
			/eight		16.58	17.91										1				65~95 50~85 40~75 30~60 20-45 15~37 4~15		No	EERS.	1			stha
RT-02		ine	% By W	2.36	25.64	29.10									I					20-45			HORIT				Export Qty Surveyor/CSE H.K. mandal/Rajan Shrestha
CB/BI Test R		tal Ľ	passing	5.0	37.77	39.46						-			1					30~60			N AUT		~i	Bu	urveyo al/Raja
DP/IC		iospi	in mm /	20.0 10.0	74.04 57.24	7 57.71						_	-	1						5 40~75			DESIG		Jaire .	Verified Bu	Export Qty Surveyor/CSE H.K. mandal/Rajan Shr
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		City F	Sieve Size in mm / passing % By Weight	5 20.0	_	_					_	+	1	4	-		_	_		5 50-8			DING		D	X	Expor H.K.
ct No		R-6,0	Sie		89.62	+					_		A	_									BUII			-	
ontra		-: uo	-	^{1g} 63.0	100	100					+	1	-	-	-		_	\parallel		1: 100			н			: .	ger akur
0 **		Location :-R-6, City hospital Line		Date of Testing	6-Sep-20	7-Sep-20					/	/								Spec. Limit :			JP INTERNATIONAL JTD	~	0	Sulfmitted By	Contract Manager Rabindra Kr. Thakur
				Source of Sample	Chisang Khola	Chisang Khola					/												Section Sectio			1.0	Cor Rab
				Source (Chisan	Chisan				$\ $												Factor	ON GR				
			Location of	Sample	R-6.(0+070)	R-6,(0+140)																Contractor	ONSTRUCTION GRO ENGINEERING CO	OLID BITCON			
				Lab.Ref no.	RUDP-SB-01	RUDP-SB-02		/															ZHONGHENN CONSTRUCTION GRO ENGINEERING CO		- Ind	Checked By	Engineer Dhirendra Yadav
			_	Sn.	-	2	1	-	-	+	+	+	+	-	-	-	-	$\left \right $	-				ZI		0		Eng



	REGI						NT PRO	JECT	
			Biratha	agar M et No:- F	etropolit: RUDP/ICB	an City /BRT-02	2		
					of Field Dens				
						F	Month		mber
		Locat	tion:-R-	6.City h	ospital Lir	ne -	Year Type of Material		20 Base
-				Moistur	e content %	Dens	ity(gm/cc)		ction %
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, L/S		0+070	6.45	5.55	2.226	2.120	95.25	95
2	RUDP-SB-FD-1, C/L	10-Sep-20	0+100	6.45	5.97	2.226	2.150	96.58	95
3	RUDP-SB-FD-1, R/S	10-Sep-20	0+150	6.45	4.65	2.226	2.137	6 96.01	95
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	Contrac	OHTERNATION					Consultant		
	ZHONGHENG CONSTR	UCTION GRO	UP	BUILDIN	G DESIGN A	UTHORIT	Y (P) LTD IN JO	DINT VENTUR	E WITH B.N
1	INTERNATIONALENGI	* "III THE	LTD	CONSU	LTANCY PVT	LTD AN LTD, KA	Y (P) LTD IN JC D PLUS ENGIN FILMANDU, NE	EERS & ARCH PAL	ITECTS (P)
		Q.		2,5	<u>X</u>			a	
-2		PH.		5				0	
	ecked By gineer C	Submitted By ontract Manage	er	Verified B Expert Qty	y Surveyor/CSE			Approved E Team Leade	
		bindra Kr. Thak			lal/Rajan Shre	stha		Giresh Char	



	September	2020 Sub-base		Remarks														/	1			BUILDING DESIGN AUTHORITY (13.10) N JOHNP VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS MARCHITECTS (P) LTD, KATHMANDU, NEPAL			y	
				PI% CBR%	46.20	-											/		>30			TTH B.N			Approved By	Tcam Leader Giresh Chand
	Month:	Type of	Malcua	OMC PI%	5 98 1 38			-	-		+	+	+			+	H	-	9>			TURE W		ð	App	Gire
			-	MDD ON	2 235 5	-		-		-	-	+	-	-	$\left \right $	1		+	$\left \right $	(IL	NPV EN				
			-	0.075 M	926 2	-		+	$\left \right $	-	+	-	-		\parallel	4	H	+	-15	an Authority	Consultant	ARCHIT	*			
			ight	1.18 0	17.79	-				+	t	+	+		H	+		+	5-37 4	1	100	(D) TD I	r			ha
T-02			Sieve Size in mm / passing % By Weight	2.36	36.31	-				1	t	t		1	H	t		+	20-45 1			ORITY				Expert Qty surveyor/CSE H.K. Mandal/Rajan Shrestha
B/BR'			assing %	5.0	43.50	43.64								1		T	Π	T	30-60			I AUTH		<u>ر</u>	3y	Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shr
opoll oP/IC			1 mm / b	10.0	52.03								/						40~75			DAND	C	そうろ	Verified By	Oty Su Aandal
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		-17	e Size ir	20.0	68.54	-				_		-	1						50-85			DING I	-	6	Ve	H.K. N
et No: v Sheel		h R	Sier	37.5	85.40							ľ							65-95			BUIL	-	-		
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location B-17		ng 63.0	100	100	-	-	\square	+	1	-			-	_		+	t: 100						1 .	ger
		1,1		Date of Testing	1-Sep-20	2-Sep-20				1									Spee. Limit : 100 65-95 50-85 40-75 30-60 20-45 15-37 4~15			RNATIONA	0	-	Submitted By	Contract Manager Rabindra Kr. Thakur
				Source of Sample	Chisang Khola	Chisang Khola				1									11			OUPINTE			: 0 2	Rab
				Source	Chisa																Contractor	ION GR				
			Location of	Sample	R-17,(0+080)	R-17,(0+170)															Con	CONSTRUCT	/			
		•		Lab.Ket no.	RUDP-SB-01	RUDP-SB-02	/															ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD		- M	Checked By Fnoineer	Dhirendra yadav
				Sn.	1	2	/		1	+				+	$^{+}$	H	+	+				~		0	CP CF	Dhirer



	REG	IONAL	Birat	nagar l	EVELC Metropoli RUDP/IC	tan City	7)JECT	
					et of Field Der		2		
			<u>o ann</u>	unity one	et of Field Del		Month	Septe	mber
			Loo	ation:-]	D 17		Year		20
-			LUC	Moistu	re content %		Type of Material ty(gm/cc)		Base Ction %
Sn.	Lab.Ref.no	Testing Date	Chainage		Field MC%	Max.Dry	Field Dry density,	Compaction %	Specified %
1	RUDP-SB-FD-1	3-Sep-20	0+060	5.98	5.43	2.235	gm/cc 2.146	96.02	95
2	RUDP-SB-FD-1	3-Sep-20	0+130	5.98	5.55	2.235	2.141	95.82	95
3	RUDP-SB-FD-1	3-Sep-20	0+210	5.98	5.87	2.235	2.151	1 96.26	95
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Z IN	CHONGHENG CONST TERNATIONAL ENG	RUCTION GRO	ETD	BUILDIN CONSULT	NG DESIGN AU TANCY PVT. L'	THORITY TD AND PL	(P) LTD IN JO US ENGINEER IANDU, NEPAL	S & ARCHITE	WITH B.N. CTS (P) LTD
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	eked By	Submitted	By	Verifie	d By			Approved B	y
	lineer dra yadav	Contract Ma Rabindra Kr.	nager E Thakur H	Expert Qty S	Surveyor/CSE al/Rajan Shrest	tha		Team Leader	
		and a set a			and a share of the			Giresh Chan	u



Contract No:- RUDP/ICB/BRT-42 Summary Sheet of Monthly Test Report Summary Sheet of Monthly Test Report Sheet Size in mull passing % By Weight Sheet Limit : 100 66-95 Sta-85 40-75 30-60 20-45 15-37 4-15 Sheet Limit : 1100 66-95 Sta-85 40-75 30-60 20-45 15-37 4-15 Sheet Limit : 1100 66-95 Sta-85 40-75 30-60 20-45 15-37 4-15 To Multi Sheet By Multi Sheet By Multi Sheet By Multi Sheet By Managet By Mented By Export Of Lin Diversion Sheet By Managet By Mented By Export of Sheet By Managet By Mented By Export Of Sheet By Managet By Mented By Sheet Limit : The And Full Sheet By Mented By Sheet Coll Lin Diversion Sheet By Managet By Mented By Export Of Sheet By Managet By Contract Managet By Mented By Sheet Coll Sheet By Managet By Sheet Diversion Sheet By Managet By Sheet Coll Sheet By Sheet By Sheet Sheet By Sheet By Sheet By Managet By Sheet Coll Sheet By Sheet By Sheet By Sheet By Sheet By Sheet By Sheet Sheet By Sheet		Vonth: September Year 2020	Jype of Sub-base		2.36 1.18 0.075 MDD OMC PP% CBR% Remarks	9 28.22 18.31 10.72 2.236 6.08 1.97 49.20	28.15 19.53 10.56 72.65					/		0 20-45 15-37 4-15 < <6 >30	Consultant	THE REAL	A filmond a				an Snrestna Giresh Chand
Location of Sample Source of Sample Date of Tes Sample R-13,(0+190) Chisang Khola 2-Sep-20 R-13,(0+190) Chisang Khola 3-Sep-20 R-13,(0+190) Chisang Khola 3-Sep-20 Sample Sample 3-Sep-20 R-13,(0+190) Chisang Khola 3-Sep-20 Sample Sample 3-Sep-20 R-13,(0+190) Chisang Khola 3-Sep-20 Sample Sample Sample Sample Sample	Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		cation :-R-13	Sieve Size in mm / passing % By Weight	37.5 20.0	91.86 76.04	92.18 76.07							_		BUILDING DESIGN AUTHORITY PVT: LTD AND PLUS ENGINE		de la	Vorified By	Export Qty Surveyor/CSE	П.N. IIIanuai/Najai
ef no. Location of Sample SB-01 R-13,0(0+90)) - SB-02 R-13,0(0+90)) - SB-02 R-13,0(0+190)) - SB-02 R-13,0(0+190) - SB-02 R-13,0(0+19	Contra		Lo		Date of Lesting	2-Sep-20	3-Sep-20								actor	N GROUP INTERNATIONAL G COLTD		0,	Submitted Bu	Contract Manager	KADJHOFA N.F. I JAKUF
				Location of	Sample	R-13,(0+090)	R-13,(0+190)								Contri	HENCONSTRUCTIO	a un. 18 Zhungago			r adav	auav



					- RUDP/IC		02		
							Month	Septer	nber
			Loo	ation:-R	12	-	Year	203	
- 1			Loca	Moistur	e content %		Type of Material ty(gm/cc)	Sub-I Compac	
Sn.	Lab.Ref.no	Testing Date	Chainage		Field MC%	Max.Dry density	Field Dry density,	Compaction	Specified %
1	RUDP-SB-FD-1	4-Sep-20	0+080	6.08	4.20	gm/cc 2.236	gm/cc 2.161	96.64	95
2	RUDP-SB-FD-1	4-Sep-20	0+160	6.08	5.98	2.236	2.148	96.08	95
3	RUDP-SB-FD-1	4-Sep-20	0+210	6.08	5.11	2.236	2.142	95.78	95
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2	ZHONGHUNG CONS TERNATIONAL EN	TRUCTION G	ROUP	CONSUL'	NG DESIGN A	LTD AND P	LUS ENGINEE	DINT VENTURI RS & ARCHITE	E WITH B.N. CTS (P) LTD
1.5	100		O. LTD			KATI	MANDU, NEPA	L	
	NOTANR	AJTHI 9U082				4		2	
		~			0		Siramagar * NS		
-	N	D.		dit	X			and a	
22	ecked By	Submitted By	×	Verified E				Annewed D	
En	ngineer C	Contract Manage	ər		Surveyor/CSE			Approved B Team Leader	
hire	endra Yadav R	abindra Kr. Thak			dal/Rajan Shre	stha	-	Giresh Chan	



	Month: September	Year 2020	Type of Sub-base		OMC P1% CBR% Remarks	6.03 1.83 49.20	1.24	× 1.79									<6 >30		NTURE WITH B.N. CONSULTANCY (P) LTD, KATHMANDU, NEPAL		2	Approved By Team Leader	Giresh Chand
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02	Summary Sneet of MONTRIN LEST Report		Location :-R-11		37.5 20.0 10.0 5.0 2.36 1.18 0.075 MDD	91.87 75.70 58.22 38.25 25.23 16.80 9.16 2.228	91.75 75.72 58.77 38.97 26.06 17.45 9.00	91.30 73.76 55.28 42.69 29.07 18.17 9.27				/	/	7			Spec. Limit : (100 65-95 50-85 40~75 30-60 20-45 15-37 4~15	Consultant	BUILDING DESIGN AUTHORITY (BLUD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	A firstant		Verified By Export Orty Surveyor/CSE	n.n. manaankajan omestna
Biratr			. To	Location of	Su. Lab.Ket no. Sample Source of Sample Date of Testing 63.0	RUDP-SB-01 R-11.(0+070) Chisang Khola 2-Sep-20 100		3 RUDP-SB-03 R-11,(0+280) Chisang Khola 3-Sep-20 100	-		/						Spec. Limit : (100	Contractor	ZHONGHENG CONSPRECTION GROCKINTERNATIONAL ENGINEERING CO. 110	Control Grand and Editoria	DN-		AVAILABLE AVAILABLE AVAILABLE AVAILABLE AV. I RAKUT



				RUDP/IC		12		
		Cum	uniy she	a of Field De		Month	Septe	mber
		Loc	ation - D	11	-	Year	20.	
			Moistur	e content %				
Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%			Compaction	Specified %
RUDP-SB-FD-1	4-Sep-20	0+070	6.03	5.55	2.228	2.125	95.38	95
		0+150	6.03	5.01	2.228	2.163	97.06	95
					2.228	2.153	96.63	95
RUDP-SB-FD-1	4-Sep-20	0+270	6.03	5.29	2.228	2.159	96.91	95
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CHONGHENG CONS TERNATIONAL ENG	TRUCTION GR	OUP 9. LTD	BUILDIN CONSULT	G DESIGN A ANCY PVT. 1	UTHORITY	PITDIN IN	INT VENTURE RS & ARCHITE	WITH B.N. CTS (P) LTD
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ked By	Submitted By	;	Verified B					
ineer C	ontract Manager	r I	Expert Qty S	urveyor/CSE			Approved By Team Leader	
Ira Yadav Ra	abindra Kr. Thaku	r I	H.K. manda	al/Rajan Shre	stha		Giresh Chang	
	RUDP-SB-FD-1 RUDP-SB-FD-1 RUDP-SB-FD-1 RUDP-SB-FD-1	RUDP-SB-FD-1 4-Sep-20 RUDP-SB-FD-1 4-Sep-20 RUDP-SB-FD-1 4-Sep-20 RUDP-SB-FD-1 4-Sep-20 	Lab.Ref.no Testing Date Chainage RUDP-SB-FD-1 4-Sep-20 0+070 RUDP-SB-FD-1 4-Sep-20 0+200 RUDP-SB-FD-1 4-Sep-20 0+270 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Lab.Ref.no Testing Date Chainage OMC% RUDP-SB-FD-1 4-Sep-20 0+070 6.03 RUDP-SB-FD-1 4-Sep-20 0+270 6.03 RUDP-SB-FD-1 4-Sep-20 0+270 6.03	Lab.Ref.no Testing Date Chainage OMC% Field MC% RUDP-SB-FD-1 4-Sep-20 0+070 6.03 5.55 RUDP-SB-FD-1 4-Sep-20 0+150 6.03 5.01 RUDP-SB-FD-1 4-Sep-20 0+200 6.03 4.65 RUDP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 Image: Contraction of the second sec	Lab.Ref.no Testing Date Moisture content % Dens RUDP-SB-FD-1 4-Sep-20 0+070 6.03 5.55 2.228 RUDP-SB-FD-1 4-Sep-20 0+150 6.03 5.01 2.228 RUDP-SB-FD-1 4-Sep-20 0+200 6.03 4.65 2.228 RUDP-SB-FD-1 4-Sep-20 0+200 6.03 5.29 2.228 RUDP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 RUDP-SD-FD-1 4-Sep-20 10 <	Location:-R-11 Type of Material Lab.Ref.no Testing Date Chainage Moisture content % Density (gm/cc) RUDP-SB-FD-1 4-Sep-20 0+070 6.03 5.55 2.228 2.125 RUDP-SB-FD-1 4-Sep-20 0+150 6.03 5.01 2.228 2.163 RUDP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 2.153 RUDP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 2.159 Image: State of the sep-20 0+270 6.03 5.29 2.228 2.159 Image: State of the sep-20 0+270 6.03 5.29 2.228 2.159 Image: State of the sep-20 0+270 6.03 5.29 2.228 2.159 Image: State of the sep-20 0+270 6.03 5.29 2.228 2.159 Image: State of the sep-20 0+270 6.03 5.29 2.228 2.159 Image: State of the sep-20 0+270 1 1 1 <td>Location:-R-11 Type of Materia Sab Lab.Ref.no Testing Date Chainage OMC% Field MC% Max.Dry Field Dry Compare RUDP-SB-FD-1 4-Sep-20 0+070 6.03 5.55 2.228 2.163 / 95.38 RUDP-SB-FD-1 4-Sep-20 0+200 6.03 5.51 2.228 2.163 / 97.06 RUDP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 2.153 / 96.63 RUDP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 2.159 / 96.91 HOP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 2.159 / 96.91 HOP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 2.159 / 96.91 HOP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 2.159 / 96.91 HOP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 2.159 / 96.91</td>	Location:-R-11 Type of Materia Sab Lab.Ref.no Testing Date Chainage OMC% Field MC% Max.Dry Field Dry Compare RUDP-SB-FD-1 4-Sep-20 0+070 6.03 5.55 2.228 2.163 / 95.38 RUDP-SB-FD-1 4-Sep-20 0+200 6.03 5.51 2.228 2.163 / 97.06 RUDP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 2.153 / 96.63 RUDP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 2.159 / 96.91 HOP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 2.159 / 96.91 HOP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 2.159 / 96.91 HOP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 2.159 / 96.91 HOP-SB-FD-1 4-Sep-20 0+270 6.03 5.29 2.228 2.159 / 96.91



	er			Remarks					T	T				T				1	1			TANCY					
	September	Sub-base		Ren														Å				BUILDING DESIGN AUTHORITY IP LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEDIGS & ARCHITICUS (P) LTD, KATHMANDU, NEPAL					л
				PI% CBR%	/51.20									1			1		/>30			TH B.N.		/	6	Approved By	Team Leader Giresh Chand
	Month	Type of Material			/1.36									_				-	1 9>			TURE W		Ċ	¥	Approve	Gires
		[*		MDD OMC	2.224 (5.52	-			-					-		4	-			1	- ST	ECTS (P					
				0.075 MI	8.09 2.2	-			+				-	-	\downarrow		-		-15	Authority (p).	Consultant	IN JOH	ratnanar *				
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RT-02			Sieve Size in mm / passing % By Weight	2.36	25.55									ľ					20-45			HORITY ENGINI				By	Expert Uty Surveyor/CSE H.K. Mandal/Rajan Shrestha
OLLEAL ICB/B V Test F		B	/ passing	.0 5.0	37 33.14			-				-	1	-			-		75 30-60			GN AUT		01	*	Verified By	uty surv Jal/Raja
RUDP/ Month		LIL7-	ize in mm	20.0 10.0	75.19 58.37			+				1	4	-		-	-		-85 40~			ICTD AN		-	Ъ		K. Mand
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location :-T1L7-B	Sieve S	37.5	92.73				T		1	1	1	T		1			100 65~95 50~85 40~75 30~60 20~45 15~37 4~15			BUILDIY PVT.					Τ
Intract		Locat		63.0	100						Δ					T							T	6		;	
2 ବ୍ୟ		-		Date of Testing	11-Sep-20														Spec. Limit :			ZHONGHENG CONSTRUCTION CAROUP INTERNATIONAL ENGINEERING COLUTD		0	(M)	Submitted By	Rabindra Kr. Thakur
		•		source of sample	Chisang Khola				V													UL DI LI			1	S	Rabi
			0	Source	() Chis			1													Contractor	THON G	CHON GROUP				
			Location of	Sample	T1L7-B,(0+050)		/	/													Ŭ	ENGINER	ION GROOP INTERNATIONS				
			Tah Dofee	1-40.NGI 110.	RUDP-SB-01	1																ZHONGHEN			W	Checked By Engineer	Dhirendra Yadav



	. REG	IONAL	Birat Contr	nagar act No:	DEVELO Metropol - RUDP/IC eet of Field Do	litan Cit CB/BRT-0	ENT PROJ y 02	ECT	
			-				Month	Sep	tember
							Year		020
			Locat	tion:-T1	L7-B re content %	Der	Type of Material sity(gm/cc)		b-Base
Sn.	Lab.Ref.no	Testing Date	Chainage		Field MC%	M. D	Field Dry	Compaction	action % Specifie %
1	RUDP-SB-FD-1, L/S	13-Sep-20	0+020	5.52	5.10	2.224	density, gm/cc 2.155	96.90	95
2	RUDP-SB-FD-1, R/S	13-Sep-20	0+050	5.52	5.00	2.224	2.145	/96.47	95
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-	Contract	or				/	Consultant	_	
P	TUONGHENG CONSTRUCTIONAL ENGIN	UCTION GROU	UP LTD	BUILD CONSUL	ING DESIGN . .TANCY PVT.	LTD AND I	Y (P) LTD IN JOIN LUS ENGINEERS MANDU, NEPAL	T VENTURE V & ARCHITEC	WITH B.N. TS (P) LTD,
Engin	ked By g	Supmitted By Dirtract Manager Jindra Kr. Thaku	ſ	Expert	Verified By Qty Surveyor/C indal/Rajan Shre	 CSE	amagar * N	Approved E Team Leade Giresh Chan	r



	September	2020 Sub-base		Remarks														/				BUILDING DESIGN AUTHORED'UPLUDIN JOUNT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHTDECTS (P) LTD, KATHMANDU, NEPAL			3y	p
				CBR%	49.98											1		-20	ne			ITH B.N CATHM		t	Approved By	Team Leader Giresh Chand
	Month:	Type of Material		%Id 2	1.16											A		76				URE W LTD, F		2	App	Tca Gire
	M	T Na		OMC	5.10										I			_			+	I VENT				
		•		MDD	2.208										Д					1	Consultant	NJOLY N				
			2	\$ 0.075	0 7.77	_	_						-	1				31.4 1	CI~+ //	nrity (p)	Col	LID II S & AF	Biratnaya			
15			Sieve Size in mm / passing % By Weight	2.36 1.18	0 17.10		-						-	A		-	\parallel	15.2	e-er e+	1	1 NI	ULY C	1			Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report			ng % By		42.33 33.00	-	-	+	-	+			1			-	$\left \right $	00 07	-07 00-			UTHOR US ENG			1	Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shr
ICB/I			1/ passir	0.0 5.0	57.70 42.	-	+	-			-		4	+		-	$\left \right $	75 20	nelezz			IGN AU ND PL		d'	Verified By	y Surve ndal/Ra
UDP/ Month			ze in mr	20.0 10.0	68.29 57	-	+	+	$\left \right $			A	-	+	$\left \right $	+	$\left \right $	05 40	11+ 00-4			NG DES		1.20	Verifi	pert Qt. .K. Mai
Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		B	Sieve Siz	37.5 2	87.60 68		$^{+}$			+	17	H	+	+		+		02 20	Nel char			TVI			1	ΔI
ract N		C1L8	S	63.0 3	100 87	+	+	+			1	H		+	$\left \right $	+	$\left \right $	27 00	0 0		-	×		-		
Contr		[-: u	-				+	+		1	1		1		\square	+	H					NAL			ted By	nager Thakur
		Location :-T1L8-B		Date of Testing	9-Sep-20					1								Case T	CT-+ 1/0-CT C+-07 00-00 C/-04 00-00 06-00 001 1: 11001 1:3000			INTERNATIONAL	(0	Submitted By	Contract Manager Rabindra Kr. Thakur
				ample	Chola				1	1			1			T		1				TUPINT				Co
				Source of Sample	Chisang Khol																Contractor	ION CRO	CHON GROU			
			I antion of		T1L8-B,(0+060)			1													Con	INSTRUCT	ON GROUP INTERMATION			
			1				1											_	-			SNG				
		•		Lab.Ref no.	RUDP-SB-01	/	/															ZHONGHENG CONSTRUCTION GROUP	-	M	Checked By	Engineer Dhirendra yadav
				Sn.	-	1	T		Π		T	Π			Ħ		T							'	VIB	En



					RUDP/ICB				
						F	Month Year	Septe 20	
			Loca	tion:-T1	L8-B		Type of Material	Sub-	Base
	a second and the				re content %	Max.Dr	ity(gm/cc) y Field Dry	Compa	1
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	density gm/cc		Compaction	Specified %
1	RUDP-SB-FD-1, R/S	13-Sep-20	0+040	5.10	4.95	. 2.208	2.129	96.40 95.88	95 95
2	RUDP-SB-FD-1, L/S	13-Sep-20	0+100	5.10	3.95	2.208	2.117	• 95.88	95
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	ZHONGHENG CONST INTERNATIONAL ENG	INEERING CO	OUP . LTD	BUILDI CONSUL	ING DESIGN A TANCY PVT. I	UTHORIT LTD AND I KATH	Y/(P) LTD IN JO PLUS ENCINEE MANDU SNEPA	DINT VENTURI RS & ARCHITI L	E WITH B.N. ECTS (P) LTD
0	abe	A		der 2	(ab	
		Submitted By Contract Manag Rabindra Kr. Tha	er	Verified I Export Qty H.K. Man		stha		Approved I Team Lead Giresh Cha	er



	September 2020	C Sub-base	12	% Remarks	10										/	1	-		B.N. CONSULTANCY HMANDU, NEPAL	\			ed By	cader	
	Month: Year	Type of Material		OMC PI% CBR%	5.70 1.00 48.10									/	4		1<6 >30		ENTURE WITH 5 (P) LTD, KAT		4	0	Approved By	Team Leader Giresh Chand	
BITATTAGAT MEUTOPOLITAL CITY Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location :-T1L7-C	Sieve Size in mm / passing % By Weight	37.5 20.0 10.0 5.0 2.36 1.18 0.075 MDD	89.54 70.76 56.18 31.53 26.80 16.11 7.52 2.223						/	/	/				100 65~95 50~85 40~75 30.60 20~45 15~37 4~15		BUILDING DESIGN AUTHORITS (P) LTD IN JOIST VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & MCHINECTS (P) LTD, KATHMANDU, NEPAL	and the	1. eQ.	6.0	Verified By	Expert Qty Surveyor/CSE H K. Mandal/Raian Shrestha	
DITALIA Contract Summary		Locat		Sample Source of Sample Date of Testing 63.0	T1L7-C.(0+020) Chisang Khola 6-Sep-20 100			/	/	7		-					, Spec. Limit : 100	Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LID	an ra. 170. 77 Ditterior	0	Kal	Submitted By	Contract Manager	INSUINI AN FIRMAN
				Sn. Lab.Ref.no. Sa	1 RUDP-SB-01 T1L7-0	/	/												ZHONGHENG CO		- hal	All and	Checked By	Engineer Dhirendra Vadav	



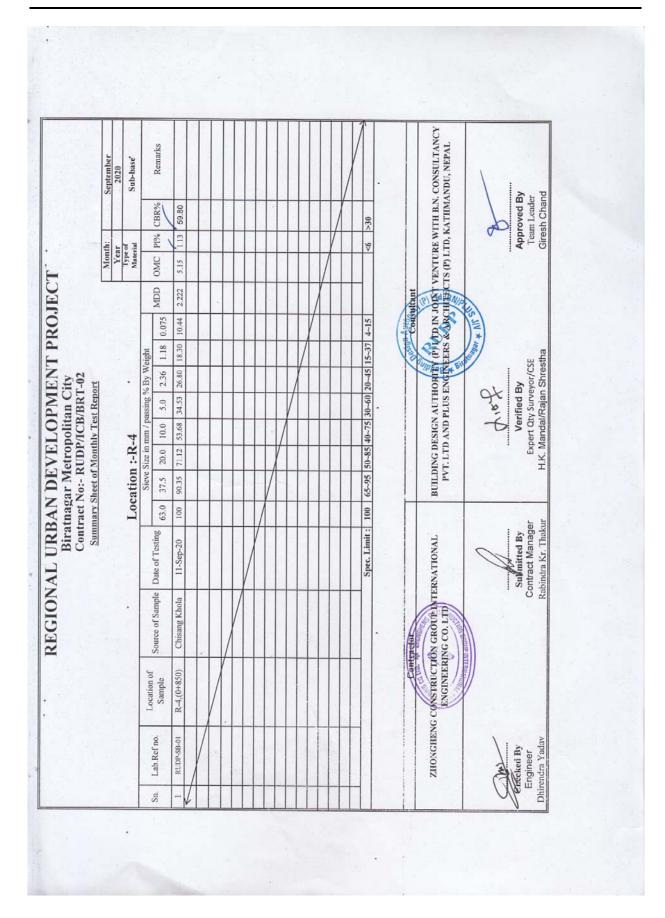
		i			etropolit RUDP/ICB		2		
			Summa	ry Sheet	of Field Dens	aty Test	Month	Septe	mber
	Second Second						Year	20	20
_			Locati	ion:-T1	L7-C e content %	Dens	Type of Material sity(gm/cc)	Compa	Base Ction %
Sn.	Lab.Ref.no	Testing Date	Chainage		Field MC%	Max.Dr density	y Field Dry density,	Compaction %	Specified %
1	RUDP-SB-FD-1, R/S	13-Sep-20	0+020	5.70	5.07	gm/cc 2.223		\$ 96.48	95
2	RUDP-SB-FD-1, L/S		0+050	5.70	4.29	2.223	2.144	96.44	95
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-	Contra-	ctor	1		1.192 (2.1A	10	Consultant		
	ZHONGHENC CONST INTERNATIONAL ENG	RUCTION GRO	OUP . LTD	BUILDI CONSI	NG DESIGN A	AUTHORI T. LTD AL LTD, K	TY (P) LTD IN-J ND PLUS ENGE ATHMANDU, N	OINT VENTU VEERS & ARC EPAL	RE WITH B.N. HITECTS (P) /
		hi			Verified By		sar x NI	Approved	
		Submitted By Contract Manage	ег		ert Qty Surveyo	r/CSE		Team Lead	ler
Dhire	endra Yadav F	Rabindra Kr. Tha	kur	H.K.	Mandal/Rajan S	nrestha		Giresh Cha	ind



	Septembr 2020	Sub-base	-	Kemarks														/				BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL			By	ler and	
					48.00													>30				VITH B. KATHN			Approved By	Team Leader Giresh Chand	
	Month: Vear	Type of Material		C P1%	1.24	-	-	_			-	_		+	-	1		\$				TURE V		æ	Ap	Gir	
		Ma	-	-	9 6.40	+	-	-	-			-	+	_	1	1	$\left \right $	-			It	VT VEN ECTS ()					
			L	_	2.229	-	-	-			_	-	-	_	A	-		v	/	JENIP	onsulta	IN 101					
		•	It	1.18 0.075	94 6.42	-	+	+	-		_	+	+	1	-	+	$\left \right $	-37 4-15	in the second	A DE LA DE L	Consultant	(I) LTD				ha	
TI			3y Weigh	2.36 1.1	25.48 18.94	+	+	+			-	-	+	\mathbb{A}	+	+		21 25-0		SUMA	113	ORITY			34	yor/CSE Shrest	
st Repo			ssing % I	5.0 2	37.36 2	+	1	+	T				1	1	T	t		0 09-02	* Ion- 07			AUTH PLUS E		2:0	Verified By	ty Surve	
Summary Sheet of Monthly Test Report		A-L	mm / pa	10.0	54.02													10-75	01-04-0			DESIGN TD AND		0	Ve	Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha	
of Mon		Location :-T1L7-A	Sieve Size in mm / passing % By Weight	20.0	67.57	_		+				4		-	+	-		20.02	0-00 0			LDING PVT.L7				H.K.	
v Sheet		tion	Siev	100	89.07		_	_	-		1			_	+	-		0 27 0	6-C0 0		-	BUI			-		
Summary Sheet of Monthly Test Report		Locs		ting 63.0	001 00	_	-	+	+	7	1				+	+		C 11-11 100 CE 05 50 05 10-75 30-60 20-45 15-37	IIII : 10			NAL	6		d Rv	anager Thakur	
-		·		Date of Testing	9-Sep-20					X									Spec. L	2		ASTRUCTION GROUP NTERNATIONAL ENGINEERING CO. LTD		1	Subhitted Ry	Contract Manager Rabindra Kr. Thakur	
			-		ola		_	+	1	1					+	+	1					TE			1.0	Co, Rab	
				Source of Sample	Chisang Khola				A												actor	N GR01	6 na uu. * 210				
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				Location of Sample	T1L7-A,(0+050)		/	/														ZHONGHENG CONSTRUCTION GROU	1				
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				Lab.Ref no.	RUDP-SB-01	1																ZHO		144		Engineer Dhirendra vadav	

			Summa	ry Sheet	of Field Dens	ity Test	Month	Septer	nber
							Year	202	
			Locati	on:-T1I	L7-A	Т	ype of Material	Sub-I Compac	
Τ				Moisture	e content %	Max.Dry	y(gm/cc) Field Dry	Compac	Specified
n.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	density gm/cc	density, gm/cc	Compaction %	%
1	RUDP-SB-FD-1, L/S	11-Sep-20	0+040	6.40	6.35	2.229	2.162	96.98	95 95
2	RUDP-SB-FD-1, R/S		0+065	6.40	5.42	2.229	2.144	96.17	95
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	ZHONGHENG CONS INTERNATIONAL EN	STRUCTION G	ROUP CO. LTD	BUILI	DING DESIGN SULTANCY I	AUTHORI PVT. LTD A LTD, 3	ND PLUS ENC ATHMANDOS	SOINT VENTU SVEERS & AR SVEPAL	CHITECTS (P)
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	alm.	R.			a,			Approvo	
	Ched By	Submitted	By		Verified E spert Qty Surve			Approve Team Le	
	Engineer	Contract Man Rabindra Kr. T		H.k. M	andal/Rajan S	Shrestha		Giresh C	
D	hirendra yadav	Kabindra Kr. 1	nakur	Line w					







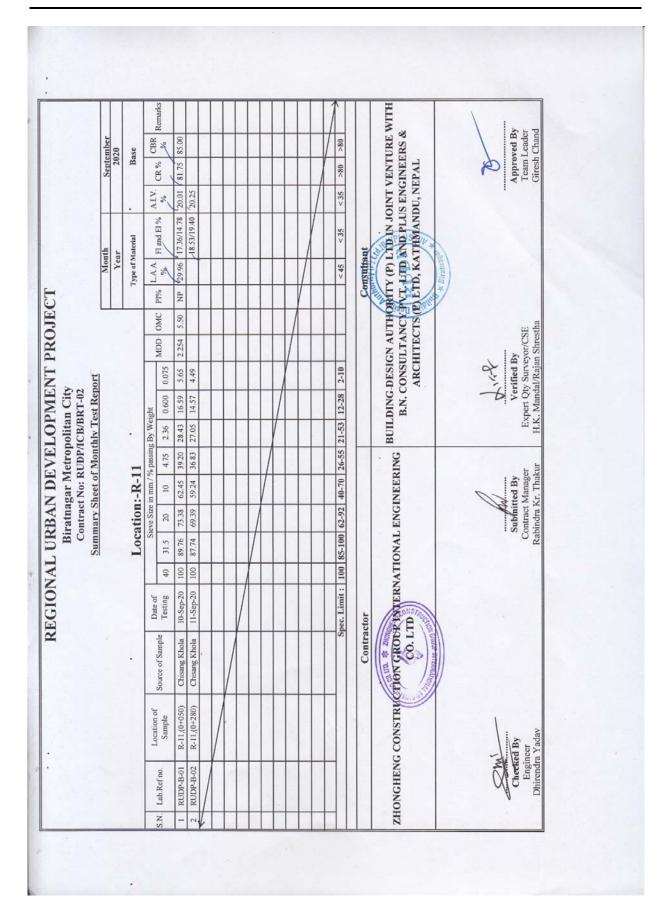
		1	Biratna Contrac	igar M t No:- F	etropolit RUDP/ICB	an Cit	y)2		
			Summa	ry Sheet	of Field Dens	ity Test			
							Month	Septe	and the second design of the s
			Loc	ation:-H	2.4	· · · · ·	Year Type of Material	20. Sub-	
			Luc		e content %	Den	sity(gm/cc)	Compa	
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.D density gm/cc	y density,	Compaction %	Specified %
1	RUDP-SB-FD-1, R/S	15-Sep-20	0+820	5.15	5.08	2.222	0	(95.15	95
2	RUDP-SB-FD-1, L/S		0+880	5.15	4.39	2.222		(96.23	95
3	RUDP-SB-FD-1, R/S	15-Sep-20	0+910	5.15	3.60	2.222		(95.31	95
4	RUDP-SB-FD-1, L/S	15-Sep-20	940	5.15	4.77	2.222		96.88	95
4	KODI-55-TD-1, L/S	15-3cp-20	540	5.15	1.11	6.666	2.150	70.00	10
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	ON GROUP	INTERNATION					131	150	
1.1.1.1	ZHONGHENG CONST INTERNATIONAL ENG	RUCTION GROUNEERING CO	DUP . LTD	BUILDI CONSI	NG DESIGN A JLTANCY PV	UTHOR T. LTD A LTD, K	TY (P) LTD-IN NO PLUS ENGI WEHMANDU, N	OINT VENTUR NEERS & ARCI	RE WITH B.N. HITECTS (P)
(742	A			girk			d	
	•	Submitted By Contract Manag	er		Verified By ert Qty Surveyo dal/Rajan Shr			Approved Team Lead Giresh Cha	er



	September 2020	Base	Cm CBR Decede		82.46 88.10										/	>80 >80		r venture with RS & ARCHIFECTS		P	Approved By Team Leader	Giresh Chand
	Month Year	Type of Material	LAA BUILT ALV.	% FI and EI 70	20.84	18.39/20.88							7	/		<45 <35 <35	Consultant	DATTY (P) DTD IN JOINT DAND PLUS ENGINEE WATHMANDE, NEPAL	12/	8 * Biratnayar		
olitan City CB/BRT-02 UV Test Report			ADD OVC	CIVIC	15.10 7.01 2.251 5.75	28.90 16.67 6.71						/				40-70 26-55 21-53 12-28 2-10		BUILDING DESIGN AUTHORITY (P) DID IN JOINT VENTURE WITH B.N. CONSULTANCY PVT [P] D AND PLUS ENGINEERS & ARCHITECTS (P) LTD, WATHMANDE, NEPAL	210-2	J.r.C	Verified By Export Otv Survevor/CSE	H.K. Mandal/Rajan Shrestha
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location:-R-13	Sieve Size in mm / % passing By Weight	40 31.5 20 10 4.75	100 90.39 67.27 49.15 36.31	100 93.71 66.55 42.77 36.61				/	/					100 85-100 62-92		CRUMP INTERNATIONAL ENGINEERING CO.		0	Subjoitted By Contract Manager	Rabindra Kr.Thakur
			Concernent Date of	source of sample Testing	Chisang Khola 7-Sep-20	Chisang Khola 8-Sep-20			/							Spec. Limit :	Contractor	CON CROUP INTERNAT	1 million	comp litten		
			Location of	Sample		R-13,(0+190)		/										ZHONGHENG CONSTRUCT	1		Arecked By Engineer	Dhirendra Yadav
			C N 1 -1 Defense	N. Lab.Nct no.	RUDP-B-01	2 RUDP-B-02	A											CHONGHEN		0		Dhiren

					Ietropolita RUDP/ICB / t of Field Densit				
			<u>ounn</u>	inty once	t of Field Delish	[Month	Septe	mber
				Loo	ation:-R-13	F	Year		20
					re content %	Dens	Type of Material ity(gm/cc)		ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density	y Field Dry density,	Compaction	Specified %
1	RUDP-B-FD-1, R/S	10-Sep-20	0+060	5.75	5.58	gm/cc 2.251	gm/cc 2.218	<u>%</u> 98.53	98
2	RUDP-B-FD-1, C/L	10-Sep-20	0+130	5.75	5.00	2.251	2.218	98.87	98
3	RUDP-B-FD-1, L/S	10-Sep-20	0+195	5.75	5.27	2.251	2.241	99.58	98
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п	ZHONGHENG CONSTI	RUCTION CRU NEERING CO.	UP LTD	BUILDI CONSULT	NG DESIGN AU TANCY PVT. LI	D AND RI	(PLLTD IN 10 US ENGINEER ANDU, NEPAL	S & ARCHITE	WITH B.N. CTS (P) LTD,
		1	1		0,			1	1.00
	2ht	61		f	14%			a	
	Chucked By	Submitte			rified By			Approved By	 Y
	Engineer Dhirendra Yaday	Contract Ma Rabindra Kr.	anager . Thakur	Expert Qty	Surveyor/CSE dal/Rajan Shrest	ha		Team Leader Giresh Chano	







		•	Contrac	t No:- F	etropolit RUDP/ICB	/BRT-02		/	-
			Summa	ry Sheet	of Field Dens	sity Test	Month	Septe	mber
						E	Year	(20	
	• • • • •				ion:-R-11 e content %]		Type of Material ty(gm/cc)		ise ction %
					e coment 76	·Max.Dry	-	Compa	
n.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%		density, gm/cc	Compaction	Specified %
1	RUDP-B-FD-1, L/S	12-Sep-20	0+040	5.50	5.43	2.254	2.235	99.17	98
2	RUDP-B-FD-1, C/L	12-Sep-20	0+140	5.50	5.21	2.254	2.217	98.36	98
3	RUDP-B-FD-1, R/S	12-Sep-20	0+290	5.50	5.38	2.254	2.213	98.20	98
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	ZHONGHENG CONST INTERNATIONAL ENGI	RUCTION GRO	DUP LTD	BUILDI	NG DESIGN A JLTANCY PV	LTD, KAI	(P) LTD IN J O PLUS ENCIN HMANDU, NE	OINT VENTUR IEERS & ARCH IPAL	E WITH B.N. HTECTS (P)
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	Shi	Ku	/	d'	. (K	
	Checked By	Submitte			ified By			Approved B	
	Engineer Dhirendra Yadav	Contract M Rabindra Kr	anager	Expert Qty	Surveyor/CSE	aatha		Team Leader	r
_	Dimenura Tauav	Rabinura Kr	. makur	In.K. Man	dal/Rajan Shr	estria		Giresh Chan	u



Month September Year Year 2020 9/Weight Type of Material Base 9/Weight Type of Material Base 9/Weight Type of Material Base 9/Weight 17701323 20391903 Exail Exail Exail Remain 358 16.76 5.92 20391903 Exail Exail



	REOI	UNAL	Biratn	agar N	letropoli RUDP/ICI	tan Cit	NT PRO	JULC I	
			Summ	ary Sheet	t of Field Der	isity Test	Month	Septem	ber
							Year	2020	~
_			ocation:-	R-17,(Ea Moistur	st of R-3)		Type of Material ity(gm/cc)	Base	ion %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density gm/cc		Compaction	Specified %
1	RUDP-B-FD-1, R/S	10-Sep-20	0+060	5.05	4.93	2.245	2.212	98.55	98
2	RUDP-B-FD-1, C/L	10-Sep-20	0+100	5.05	4.98	2.245	2.206	98.26	98
3	RUDP-B-FD-1, L/S	10-Sep-20	0+140	5.05	4.82	2.245	2.206	98.27	98
4	RUDP-B-FD-1, R/S	10-Sep-20	0+210	5.05	5.07	2.245	2.221	98.95	98
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	Contra	CTOP WITERWAITOWA	1			18	Consultant		
	ZHONGHENG CONST INTERNATIONAL ENG	RUCTION GR	OUP	BUILD CONSUI	ING DESIGN TANCY PVT	LTD ANI	D PLUS ENGINE	JOINT VENTURE ERS & ARCHITE	WITH B.N. CTS (P) LTI
1	100	URL2 * 011 219				KAI	HMANDE, NEP	AL	1996
	. ~	UNIX -	1	1	2		enatuage	~	
	Shi		J	9	1.01			D	
	Checked By	Submitt		1.000	ified By			Approved By	
	Engineer Dhirendra Yadav	Contract M Rabimndra			y Surveyor/CSE Indal/Rajan Sh			Team Leader Giresh Chand	



				Remarks					T				T				1		BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULATANCY PVT. LTD AND PLOT UNGINEERS & ARCHITECTS (P)			2/17	7
	September 2020	Base	CRP	%	89.80				+	+		+	-	+			8		JRE W		X	Approved By Team Leader Giresh Chand	1.1.1
	Se			ß	81.94					T		T		T			88		/ENTI & AR(K	App	
			-	%	18.95	_										1	<35		ELERS		-		
		rial		Fl and El %	19.32/18.74	20.58/21.04						1				/	< 35		NI DI NI O				
	Month Year	Type of Material		% FI	30.98 19.			+	+	+		+	-	-			< 45		P. I. C.	150	*		
E		.Tyı		bl%	NP 3(+	+	+					/	-	V	2	THORITY (P) LTD IN JOINT LTD AND PLC: ENGINEER LTD AND PLC: ENGINEER		Sementer //s		
REGIONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report				OMC	5.15															10	24	E	
PRC				DOM	2.244	-													GN AI		1	Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha	
ENT S Port				0.075	60.9									L			2-10		DESI TANC		Juer	Verified By Qty Surveyo indal/Rajan S	
PMI an Cit BRT-0 est Re			cight	0.6	20.40								1				12-28		DINC		-0	vi xpert Q K. Man	
ELO opolity of CB/		00	ing By W	2.36	42.60 36.26	30.43 23.37											5 21-53	L				E.H.	
IRBAN DEVELOPME Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 mmary Sheet of Monthly Test Rep		-R-1	Sieve Size in mm / % passing By Weight	4.75				-	-			1				-	0 26-5		G CO.			. 5	
AN D nagar act No: Sheet		tion	ize in mn	10	6 53.35			+	+	-		1				+	2 40-7		ERIN	0	0	ted By Manage Cr.Thaki	
URBAN DEVELOPMEN Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location:-R-18	Sieve S	5 20	24 65.06		_	+	-	-	$\ $	-		-		+	00 62-9		NGINE		N	Subhitted By Contract Manager Rabindra Kr.Thakur	
		-		40 31.5	100 87.24		_	+	+	+		-				-	Limit: 100 85-100 62-92 40-70 26-55 21-53 12-28 2-10					Ra C	
NO			Jo	-				+	+	1/			t	F		+	nit : 10		C.	1			
EG			Date of	Testing	9-Sep-20	10-Sep-20											Spec. Li			1			
2			-	sample	Khola	Khola				1								Contractor	LTD	1	a). * 2101		1
				source of sample	Chisang Khola	Chisang Khola			X									C	NGING	3.)		
			_	-		\square	-		4	-		-				-			CEIO				
			Location of	Sample	R-18,(0+060)	R-18,(0+140)		1											QUAL 3				
			Loc	S	R-18	R-18													MC 3			frecked By Engineer rendra yadav	
			T-P D-C	VCI 110.	RUDP-B-01	RUDP-B-02	1												ZHONGHEASE O MC TOUCTION GROUP WITH		MX	Engineer Dhirendra yadav	
			TTT IND		RUD	2 RUD	4												NOR		1	h -	



			Summ	nary Sheet	t of Field Densi	ty Test			
							Month Year		mber 20
	A 16 18		L		n:-R-18		Type of Material	Bi	ise
				Moistu	re content %		ity(gm/cc)	Compa	ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr density gm/cc	density,	Compaction %	Specifie %
1	RUDP-B-FD-1, L/S	11-Sep-20	0+060	5.15	4.98	2.244	2.213	98.63	98
2	RUDP-B-FD-1, R/S	11-Sep-20	0+140	5.15	4.28	2.244	2.221	(98.95	98
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	Contrac	tor				e	onsultant		
I	ZHONGHENG CONSTR NTERNATIONAL ENGL	NEERING CO.	UP LTD	BUILDI CONSULT	NG DESIGN AU FANCY PVT, LT	FD AND PL KÆTHN	(P) LTD IN JO US ENGINEER LANDU, NEPAL	INT VENTURE S & ARCHITE	WITH B.N. CTS (P) LT
	Checked By Engineer	Submittee Contract Ma	I By inager	Expert Qty S	ified By Surveyor/CSE		atnagat *	Approved By Team Leader	
	Dhirendra yadav	Rabindra Kr.	Thakur	H.K. Mand	al/Rajan Shrest	ha		Giresh Chanc	1



	September	Rase		A.L.V. CR % CBR Remarks	90.00	07.70						/	< 35 >80 >81			INT VENTURE WITH S ENGINEERS & U, NEPAL		Approved By Team Leader
	Month	Type of Material		PI% L.A.A. Fl and El %	NP 28.24 19.03/17.38						7		< 45 < 35		Consultant	DESIGN AUTHORITY (P) LTD IN JOINT VENT ONSULTANCY PVT. LTD AND PLUS ENGINEI ARCHITECTS (P) LTD, KATHMANDU, NEPAL	and the second second	
politan City /ICB/BRT-02 thly Test Report			g By Weight	2.36 0.6 0.075 MDD OMC	27.35 15.85 6.17 2.240 5.25					/			21-53 12-28 2-10			BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, MATHMANDU, NEPAL	ama	A celonary Verified By Expert Qy Surveyor/CSE H.K. Mandal/Raian Streetha
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		Location:-R-101	Sieve Size in mm / % passing By Weight	40 31.5 20 10 4.75	100 93.99 78.21 41.35 34.61			/	/				0 85-100 62-92 40-70 26-55 21-53 12-28		-			Subjutted By Contract Manager Rabindra Kr. Thakur
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report				ole Testing	Chisang Khola 12-Sep-20 10		/						Spec. Limit : 100 85-100 62-92	Contractor	CONTRACTO	ZHONGHENG OOYSTRUCTION GROUP INTERNATIONAL ENGINEERING		
			Location of	-	01 R-101,(0+080)											NG CONSTREES	DA GROUP INTERNATIONA	Checked By Engineer Dhirendra Yadav
			S N Lab Bafno	_	I RUDP-B-01											ZHONGHEI		Eng



			Birati Contra <u>Summ</u>	agar N act No:- ary Shee	Aetropoli RUDP/IC	tan City B/BRT-0 Isity Test	2		
							Month		tember
_				Location	:-R-101		Year Type of Material		020
	•			Moistur	e content %	Densi	ty(gm/cc)		ase action %
n.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density gm/cc	density,	Compaction	Specified %
1	RUDP-B-FD-1, R/S	13-Sep-20	0+040	5.25	4.72	2.240	gm/cc 2.207	98.53	98
2	RUDP-B-FD-1, C/L	13-Sep-20	0+100	5.25	4.39	2.240	2.222	99.20	98
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7	Contract HONGHENG CONSTR			BUILDING	C DESIGN AL	C	msultant F	1	
IN	TERNATIONAL ENGIN	EERING CO. I	.TD	CONSUL	TANCI PVI.	LIDAND	(P) LID IN JOE PLUS ENGINEE MANDU, NEPA	DS & ADCHI	WITH B.N. TECTS (P)
	014	- /		18	/		ratnagar * NS	7	
				Q'r				W	
	Checked By	Submitted I Contract Man		Verifie				Approved By	
4		Join activian		xpert Qty Su	urveyor/CSE I/Rajan Shrest			Team Leader	
D	Engineer hirendra Yadav	Rabindra Kr. T	hakur IH	K Manda				Giresh Chand	



				Remarks							T	T	T	T	T	1	T	T	HIIW			1	
	September	2020	base	CBR %	2	82.00								1	1	>80			URE V RS &			Approved By Team Leader	Chand
	Septe	50	Ba	CR %		83.55	90.29						T		T	>80			ENT		X	Approved By Team Leader	Giresh Chand
				A.L.V.		22.74	70-17				T		T	T	T	< 35			ENG U, NE				
		11	In	Fl and El %		18.01/10.47						T		1		< 35			BUILDING DESIGN AVERORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVFLTD AND PLUS ENGINEERS & ARCHITECYS (P) LTD, 747HMANDU, NEPAL				
	Month	Year Tune of Material	DI MINIC	LAA FI	101	32./b 18/		-		+	+	+	+	1	+		Hant	1	DAN				
		Ton	dici -	PI% L.A		NP 52	_	-	-	+	+	+	-	4	+	< 45	Consultant	COURSE		S JIV *			
				OMC F	_	07.0	+	\square		+	+	$^{+}$	\dagger	+	+	\vdash	and a		SPU				в
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비			İ	0.075	_	-	2011	Ħ		+	t	1	\uparrow	t	T	2-10			ESIG NSUI		à	Verified By Expert Qty Surveyor/CSE	H.K. Mandal/Rajan Shrestha
Contract No: RUDP/ICB/BRT-02 mmary Sheet of Monthly Test Rep				000	_	-	_		1	1	t	1	+	T	t	12-28			ING D N. CC	-	7.0	Verified rt Qty Sur	fandal/
Contract No: RUDP/ICB/BRT-02 nmary Sheet of Monthly Test Rep		0	9	By Weig 2.36	-	_	_		+		\dagger	A	+	+	+	1-53 1			BB			Expe	H.K. N
UDP/I Month		C 12.	2114	4.75	-	_	_	Ħ	1		T	t	t	t		40-70 26-55 21-53	F	-					-
No: R leet of		L		10		_	-		1	t	t	t	1	t		0-70 2			EERI		01	1 By mager	Thakur
Contract No: RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report		I contion. T21 77D	Deall	20 10 4.75 2.36 0.6		_	-	H	+	1	-	t	t	\uparrow		2-92 4			NGIN		A	Submitted By Contract Manager	Rabindra Kr. Thakur
Summ		-		31.5	88 10	-	+		1	1	t	t	T	t		100 85-100 62-92			NALE			Cont	Rabin
		•		40	100	-	-		+	\uparrow	\vdash	+	+			100 85			OLL				
				Date of Testing	1-Sen-20	2-Sep-20			/							Spec. Limit :	or		INTERN	CTUDA GROUP INTERNATI			
				Source of Sample	Chisang Khola	Chisang Khola			1							Spe	Contractor	1	TON GROUP I	TERMITURE			
				Location of Sample	T3L22B.(0+080)	+		.											ZHONGHENG CONSTRUCTION CROUP INTERNATIONAL ENGINEERING			By ar	(adav
				Lab.Ref no.	RUDP-B-01	RUDP-B-02													ONGHENG		M	Engineer Dhirendra Vadau	Dhirendra /
				S.N.	1		t		1						-				ZHC				



			0	C11		1. m			
			Sumi	nary She	et of Field De	ensity Test	Month	Septe	ember
			Logati	on:-T3I	11D		Year	20	20
			Locatio		re content %	Densi	Type of Material ty(gm/cc)		ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry		Compaction %	Specified %
1	RUDP-B-FD-1	3-Sep-20	0+060	5.25	4.41	2.248	2.215	98.54	98
2	RUDP-B-FD-1	3-Sep-20	0+150	5.25	4.67	2.248	2.231	99.26	98
3	RUDP-B-FD-1	3-Sep-20	0+200	5.25	4.48	2.248	2.220	98.74	98
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		ractor		PUILDIN	C DESICN A	UTUO	onsultant	ANT VENTUD	E MITH D N
IN	HONGHENC CON TERNATION AL EN	GINEERING C	OLTD	CONSU	LTANCY PV	I. LTD AND	PLUS ENGIN	HNT VENTUR EERS & ARCH BAL	ITECTS (P)
	A	- Ky	<u>,</u>		9.ex		yar * AIr Shito	X	
	Checked By Engineer	Submittee Contract Ma		Fuero	Verified By rt Qty Surveyor,	ICSE		Approved B Team Leader	
C	hirendra Yadav	Rabindra Kr.	Thakur	H.K. Ma	andal/Rajsn Sh	restha		Giresh Chan	



	1			Remarks	0											1			BUILDING DESIGN ALTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT: LTB AND PLUS ENGINEERS & ARCHITECTS (P) DEDOXATHMANDU, NEPAL				1	P	
	September 2020	Base		%	8 84.80	+	+	-								_	-080 		TURE LERS		0	X	Approved By	I cam Leader Giresh Chand	
	Sel			. CR %	0 82.18	+	-								4	1	>80		VEN' GINE			0	Approved	Gires	
			_	%	6 20.00	_	_	╞								201	< <u>c</u> >		IOINT US EN						
		terial		Fl and El %	20.03/18.36											136	667		D IN U						
	Month Year	Type of Material		% F	30.96 2	+	+	\vdash	\square	_	-	-		f	-	14	CFU	ultant	TDAT						
		T,		PI%	NP	+	t	t					1			Leston -		Consultant	VT. L						
				OMC	4.75								1			1	AND -	18	DESIGN ALTHORITY (P) LTD IN JOINT VENT ONSULTANCY PVT: LTD AND PLUS ENGINEI ARCHITECTS (P) DTD XATHMANDU, NEPAL	1			Ĺ	tha	
				MDD	2.248														GN AU				by	Shrest	
port				0.075	5.40											2-10			DESIONSI			July 1	Verified By	H.K. Mandal/Rajan Shrestha	
est Re			ight	0.6	13.02						1					12-28	07.41		DING B.N. C			-2	Ver Of	Mand.	
/ICB/I			g By We	2.36	25.67											21-53	00.14		BUIL				Fx	H.K	
Contract No: KUDP/ICB/BK1-02 nmary Sheet of Monthly Test Rep		Wel	% passir	4.75	34.31						/					40-70 26-55 21-53 12-38	0000		SNING				h	ur.	
Sheet o		T2L	in mm /	10	42.05					$\left \right $									NEER				ted By	r. Thal	
Contract No: KUDP/ICB/BK1-02 Summary Sheet of Monthly Test Report		ion:-	Sieve Size in mm / % passing By Weight	20	76.36				/							62-92			ENG		5	Bur	Submitted By Contract Manager	Rabindra Kr. Thakur	
Sum		Location:-T2L19W	s	31.5	93.53				1							100 85-100 62-92			ONAL				0	Rat	
		Ι		40	100														I Collision						
			Date of	Testing	1-Sep-20											Spec. Limit :		r	THE C	DICIN EROL					
			-	mpic	-	+	\vdash	\mathcal{T}	+	+	+	+	+	+	-	Spee		Contractor	GROUPAL CO.LTD	P INTERNA					
			of the second second	adure to some	Chisang Khola	*												Co	10N GH	1.					
				-	-	t	ľ			T	t	+		1	1				RUCT						
			Location of	Sample	T2L19W,(0+020)										-				CONST			1	By	radav	
		- 1	I ah Baf no	-	RUDP-B-01 1	1		_	+	-			-	-	-				ZHONGHENG CONSTRUCTION GROUPANTERNATIONAL ENGINEERING			MO	Checked By Engineer	Dhirendra Yadav	
				_	RUD	1			-										HONG				M.	D	
			No	10	-1/										-				Z	_					



	KEC	GIONAL	Birat Conti	tnagar ract No:	DEVEL Metropol - RUDP/IC	itan Cit CB/BRT-0	v	DJECT	
						[Month	Sept	ember
					T2L19W	-	Year		020
-		1	1		e content %	Densi	Type of Material ty(gm/cc)		ase action %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density gm/cc	and the second se	Compaction %	Specifier
1	RUDP-B-FD-1	2-Sep-20	0+020	4.75	3.89	2.248	2.209	/98.26	98
2	RUDP-B-FD-1	2-Sep-20	0+040	4.75	3.48	2.248	2.234	\$ 99.37	98
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	TION GROUP INT	ERMATION				(all	stharity		
-		actor				S/C	onsultant		
Z	HONGHENG CONS TERNATIONAL EN	GINEERING CO	OUP D. LTD	CONSULT	NG DESIGN A FANCY PVT. L	KATHN	onsultant (P) LTD IN JO US ENGINEER IANDU, NEPAL	INT VENTURI S & ARCHITI	E WITH B.N. ECTS (P) LT
	8H			4	14	* Birata		X	
0	Checked By Engineer	Submitted Contract Ma	By		fied By			Approved B	
D	hirendra Yadav	Rabindra Kr.	Thakur	H.K. Mand	Surveyor/CSE Ial/Rajan Shres	stha		Team Leader Giresh Chan	
					and the second	and FLA		Giresn Chân	<u>u</u>



Biratni Contract Contract SUMMARY F SUMMARY F	Intraction on traction on traction on traction on traction on traction of the	Area of Area o		T Priming w RT-02 RT Priming w 10F SEPTE 560.00 560.00 1140.00 1140.00 11708.00 563.50 563.50 563.50 1012.00 1012.00 1012.00 563.50 500 563.5		ER 2020 Bitumen nsumption (Ltr) 600 600 1225 1225 1250 600 1100 1100 1100 1250 550 800 800 800 800 800	ER 2020 Bitumen Application Rate 600 1.07 1225 1.07 1225 1.07 1225 1.07 1225 1.02 600 1.08 600 1.08 1250 1.07 1250 1.02 800 1.03 800 1.04 800 1.03 800 1.09 800 1.09 800 1.09 800 1.09 800 1.09 800 1.09 800 1.09 800 1.09 800 1.09 800 1.09 800 1.09 800 1.09 800 1.09 800 1.09 800 1.09 800 1.09	Biratnagar Metropolitan City ontract No: RUDP/ICB/BRT-02	n Rate Check for Priming work	OR THE MONTH OF SEPTEMB	Intersection	Area m2 Area M2	0.00	0.00	0.00	0:00	0.00	0.00	0.00	0.00	00.0	0.00	0.00	-	>			
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	Daily S 10 10 10 10 10 140 11 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 140 <	Apr	Dott artuagar Contract No::] Application Rat UMMARY FOR T Stde of Soth Side Stde Stde<						Daily	S	Station	+	0+140	0+285	0+280	0+120	0+055	0+340	0+180	0+220	0+120	0+130	0+226	cification for F	actor	UP-INTERNATIO	and the second second	
Image: line with the state of the		Daily	Daily 0+140 0+140 0+285 0+285 0+286 0+286 0+120	Contract No: RUD Daily Application Rate CI SUMMARY FOR THE Contract No: RUD SUMMARY FOR THE SUMMARY attest of Area 0+130 Both Side 1708.00 0+120 Both Side 1170.00 0+130 Both Side 1012.00 0+120 Both Side 1012.00 0+120 Both Side 508.30 0+120 Both Side 508.30 0+120 Both Side 777.00 0+120 Both Side 737.00 0+120 Both Side 737.00 0+120 Both Side 737.00 OL <th c<="" td=""><td>Contract No: RUD Daily Application Rate CI SUMMARY FOR THE Contract No: RUD SUMMARY FOR THE SUMMARY FOR THE SubMARY FOR THE OP130 DP111000 OP130 DP1130 Both Side 011200 D01200 OP130 Both Side OP130 D01220 D01220 D01200 OP1200 D01200 OP1200 <t< td=""><td>Contract No: RUD Daily Application Rate CI SUMMARY FOR THE Contract No: RUD SUMMARY FOR THE SUMMARY FOR THE SubMARY FOR THE OP130 DP111000 OP130 DP1130 Both Side 011200 D01200 OP130 Both Side OP130 D01220 D01220 D01200 OP1200 D01200 OP1200 <t< td=""><td>Contract No: RUD Daily 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0+000	4-Sep-20 0+000	4-Sep-20 0+000	05-Sep-20 0+000	05-Sep-20 0+250	7-Sep-20 0+000	11-Sep-20 0+000	11-Sep-20 , 0+000	12-Sep-20 0+000	14-Sep-20 0+000	Required specifica	Contractor	ZHONGHENG CONSTRUCTION GROUP-IN	ta tra. * Zhungan

		Page no 1 of 2	Application Rate Bt Trav Test Ltr/m2	1.06	. 1.03	105								rure with B.N. Rchitects (P)	Approved By	Giresh Chand
			Application Rate By Deep Ltr/m2	1.06	1.09	1.09						nen 1.020	at	IN JOINT VEN INGINEERS & A		
	SUMMARY FOR THE MONTH OF SEPTEMBER 2020	· · · · · ·	Bitumen Consumption (Ltr)	575	1000	850	(11375					Specific Gravity of Bitumen 1.020	Consultant	BUILDING DESIGN AUTHORITY (P) ETD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, XÅTHMANDU, NEPAL	Harris * Blue	
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02	PERPTER		Total Area M2	541.65	918.45	504.00	Total					Specific G		DESIGN AU ANCY PVT. I L	LBy vevor/CSF	ianShrestha
ropolitan C DP/ICB/BR	MONTH C		Intersection Area m2	0.00	00.0	0.00								BUILDING	And Control of Surveyor/CSE	H.K. Mandal/RajanShrestha
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02	FOR THE		Area of Priming (m2)	541.65	918.45	504.00						at 1.0 Lit/N		JEERING	1	
Bira Contr	SUMMARY FOR THE MONTH OF SEPTEMBE		Side of Priming	Both side	Both Side	Both Side						Prime coa		CERNATIONAL ENGINEERING	Submitted By Contract Manage	Rabindra Kr. Thakur
licC			а 2	0+115	0+310	0+120						ion for		ERNATIC		
			Station From	000+0	0+115	000+0						pecificat	Contractor		A TO * ZIUMOU	
	100 P.G	C 70:MC30	Date of Priming	14-Sep-20	15-Sep-20	15-Sep-20						Required specification for Prime coat 1.0 Lit/M2 ± 5%	S	TRUCTION G)))	
	Type of Bitumen:80/100 P.G	Cutter Percentage: MC 70: MC30	Location	R-11	R-11	R-101						_		ZHONGHENG CONSTRUCTION GROUPIN CO. LTD	Checked By Engineer	Ira Yadav
	Type of	Cutter P	NON	12	13	14			-	-				CHONG	Find	Dhirend

Bir Conti Daily Applica	Type of Bitumen:80/100 P.G SUMMARY FO		Date of Station Tack coat From to	8-Sep-20 0+000 0+280		8-Sep-20 - 0+000 0+180	9-Sep-20 0+250 0+340	9-Sep-20 0+000 0+285	9-Sep-20 0+000 0+328	10-Sep-20 0+000 0+120	10-Sep-20 0+000 0+140	Required tack coat is 0.40 to 0.60Lit/M2	Specifi	Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD	to the second second	Checked By Engineer Dhirendra Yadav
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Daily Application Rate Check for TACK COAT	SUMMARY FOR THE MONTH OF SEPTEMBER-2020		Side of Area of Tack coat Tack coat	-		BHS 1170	BHS 553.5	BHS 1026	BHS 1508.8	BHS 500.4	BHS 560		Specific Gravity of Bitumen 1.020		NEERING CO. LTD	V	Submitted By Contract Manager Rabindra Kr. Thakur
Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Daily Application Rate Check for TACK COAT	SEPTEMBER-2	ł	f Intersection at Area m2	-		0	0	0	0	0	0	ding to Roa	men 1.020		BUILDING B.N. C	0	Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
DAT	020		Total B Area M2 Cor			1170	553.50	1026.00	1508.80	500.40	560.00	According to Road Note -3, Section 711.2		0	BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	×	irveyor/CSE ajan Shrestha
			[*] Bitumen A ₁ Consumption			650	300	600	006	275	325	ection 7		Consultant	PVT LTD P	inatingat a	
			Application Rate Bv Dip Lit/m2	0.60	1	0.56	0.54	0.58	09.0	0.55	0.58	11.2		nt	TID IN JOIN IND PLUS E THMANDU.		
		Page no 1 of 1	Application Rate Bt Trav Test Lit/m2	0.53	1	0.54	0.53	0.56	0.53	0.50	0.55		-		T VENTURE WI INGINEERS & NEPAL		Approved By Team Leader Giresh Chand



September, 2020



Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Daily Application Rate Check for TACK COAT	SUMMARY FOR THE MONTH OF SEPTEMBER-2020	Side of	0+220 BHS	0+055 BHS	0+120 BHS	0+130 BHS		s 0.40 to 0.60Lit/M2 Ac	Specific Gravity of Bitumen 1.020		RNATIONAL ENGINEERING CO. LTD	0	Submitted By Contract Manager Rabindra Kr. Thakur
etropolitan City UDP/ICB/BRT-02 Check for TACK	NTH OF SEPTEMBE	-	Tack coat Area m2 1012 0	220 0	438 0	508.3 0		According to Road Note -3, Section 711.2	of Bitumen 1.02			0	
COAT	<u>R-2020</u>	Total	Area M2 1012.00	220	438.00	508.30	Total	toad Note -3,	0		NG DESIGN AUTH V. CONSULTANCY ARCHITECTS		Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
		1	Consumption By Dip Libm2 600 0.59	125 0.57	250 0.57	300 0.59	5425	Section 711.2		Consultants	BUILDING DESIGN AUTHORITY (P) LTD N JOINT VENTURE WITH B.N. CONSULTANCY PVT: LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	* diramayar *	
	Para no 1 of 2		Bt Tray Test Lit/m2 0.55	0.53	0.54	0.55					NT VENTURE V ENGINEERS &	6	Approved By Team Leader Giresh Chand

Regional Urban Development Project (RUDP)



			P.g No. 1		Flow mm	2.40	2.60	2 27	2.65	2.28	2.60	2.33	2.42					2.3	9			O AND PLUS			
				•	Stability N	10251	10251	10133	10272	9941	10997	9888	10261					2 8500	For (25-51)mm Thickness W/C Course			BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VERTURE WITHEN. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	P	Approved By Team Leader	
				-	VMA % S	17.25	16.70	16.83	17.14	16.95	16.59	16.78	16.88					≥ 15	nm Thickne			CONSULTA NDU, NEPA		API	
				Air Voids	_	3.65	1	3.16	3.86 1	4	4	3.24		-				3-6%	or (25-51)r	1	100	WITH B.N. O	and the		
•				Mix Density		2.361	2.371	2.372	2.360	2.369	2.372	2372	2.368				1	Min2.358	-1		5 Consultant	VENTURE TS (P) LTD	* Biratnagar		
		78)	0	Bitumen Cantent From M	Iraction Test	5.88	5.68	5.88	5.74	5.87	5.58	5.82	5.74				1	5.703	±0.3%	No	15/0	ARCHITEC	18*		
IECT		(AASHTO T 245-78)		-	0.075	6.93	6.21	7.67	7.17	6.72	6.09	6.88	6.85				$\ $	6 to 9	Nill	1		UTY (P) LTI GINEERS 8			
REGIONAL URBAN DEVELOPMENT PROJECT		ASHTC	er 2020	в	9.6	17.02	18.08	19.46	17.99	16.92	17.07	17.07	17.35			1		16-21	±1%			IN AUTHOF		S	
OPMEN	litan City	: 1	eptemb	Mix Agg Gradation % Passing Sieve Sizes mm	2.36	35.61	35.67	36.46	35.39	34.66	34.8/	35.55	35.28			1		33-37	±2%			NG DESIG	2	Verified By Exper: Oty Surveyor/CSE H K Mandal	
DEVELO	Metropo	METH	H OF S	Mix Agg Gradation Passing Sieve Sizes 1	4.75	57.29	56.02	55.80	56.18	55.81	55.64	57.00	56.08					54-59	±3%			BUILDI		Verified By Exper: Oty S H K Mandal	
RBAN-I	Biratnagar Metropolitan City	SHALI	MONTI	Mix % Pass	9.5	77.48	81.77	81.51	78.78	78.43	78.43	77.38	78.89					76-82	±5%				~	By anager Cr Thakur	
NAL U	Bi	BY MAI	DR THE		16	100			100	+	100		-					100-100	IIIN			CO. LTD	M	Subritted By Contract Manager Rabindra Kr. Thakur	
REGIC		Test Result BY MARSHALL METHOD	SUMMARY FOR THE MONTH OF September 2020		20	100	100	100	100	100	100		100		\parallel	+		100	±6%			NEERING (
		Test	SUMM	I contion of Work of.		T31.5.(0+000 to 0+280)	R-5.(T2L24).(0+250 to 0+340)	T3L22B,(0+000 to 0+285)	T3L25A,(0+000 to 0+328)	 I.2L198,(0+000 to 0+120) D.20.00004-04400 	R-17.(0+000 to 0+220)	T2L19W,R-107,(0+000 to 0+055),(0+000 to 0+120)	R-18,(0+000 to 0+130)					Specifacations	Job Mix Tolerances from RUDP Specification Table2-4-10		an un. Contractor	ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD	COLON BEAUF W. TERMUTOR		
				Date of Lavine	Number to survey	8-Sep-20 8-Sep-20	9-Sep-20	9-Sep-20	9-Sep-20	10-Sep-20	13-Sep-20	13-Sep-20	14-Sep-20						Job Mix Toler			ZHONGHENG	1	dav.	
				S. LAB		1 242	-	4 245	-	7 247	8 249		10 251							REMARKS:			Mil	Cpecked By Engineer Dhirendra yadav	



REGIONAL URBAN DEVELOPMENT PROJECT

Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet Of Monthly Test Report

							Month Year	Septembe
-	-						Type of Material	2020 Brick
S.N.	Lab Ref.No.	Testing Date	Location of Sample	Source of Brick	Name of Brick	Water Absorption of Brick(%)	Strength of Brick(N/mm ²)	Remarks
1	1270	2-Sep-20	R-5	Dadarbairya	ACC	(16.18	415.19	
2	1271	2-Sep-20	R-70	Dadarbairya	ACC	14.83	15.19	
3	1272	4-Sep-20	N-39	Dadarbairya	ACC	15.57	16.54	
4	1273	4-Sep-20	R-6	Dadarbairya	ACC	14.26	15.33	
5	1274	5-Sep-20	R-5	Dadarbairya	ACC	15.16	15.21	
6	1275	5-Sep-20	R-83	Dadarbairya	ACC	14.98	14.82	
7	1276	6-Sep-20	R-12,New gudri	Dadarbairya	ACC	15.74	13.93	
8	1277	7-Sep-20	R-5	Dadarbairya	ACC	17.05	15.42	
9	1278	7-Sep-20	R-83	Dadarbairya	ACC	13.57	14.75	
10	1279	7-Sep-20	T1L16C	Dadarbairya	ACC	15.52	16.41	
11	1280	9-Sep-20	N-1	Dadarbairya	ACC	13.30	15.09	
12	1281	9-Sep-20	R-6	Dadarbairya	ACC	14.60	13.91	
13	1282	10-Sep-20	N-3, Juction	Dadarbairya	Aanand	15.10	15.34	
14	1283	10-Sep-20	R-71	Dadarbairya	Aanand	13.99	15.34	
15	1284	11-Sep-20	N-39	Dadarbairya	Aanand	14.75	15.13	
16	1285	11-Sep-20	R-111	Dadarbairya	ACC	14.05	14.90	
17	1286	13-Sep-20	T1L16C	Dadarbairya	ACC	14.70	14.90	
18	1287	13-Sep-20	N-3, Juction	Dadarbairya	ACC	14.87		1
19	1288	14-Sep-20	R-4	Dadarbairya	Aanand	14.77	14.91	
20	1289	15-Sep-20	N-39	Dadarbairya	Aanand	15.69	13.62	
21	1290	15-Sep-20	N-1	Dadarbairya	ACC	14.78	15.34	
22	1291	15-Sep-20	N-1	Dadarbairya	ACC	17.17	14.33	
23	1292	16-Sep-20	R-6	Dadarbairya	Aanand	14.10	15.31	
24	1293	16-Sep-20	T1L13	Dadarbairya	ACC	14.10	13.28	
25	1294	18-Sep-20	R-12,New gudri	Dadarbairya	ACC	14.80	15.40	
26	1295	18-Sep-20	R-70	Dadarbairya	ACC		14.19	
27	1296	19-Sep-20	N-39	Dadarbairya	Aanand	15.59	16.07	
28	1297	20-Sep-20	N-3,Juction	Dadarbairya	ACC	13.50	15.88	
29	1298	22-Sep-20	T1L8B	Dadarbairya	ACC	15.52	14.31	
30	1299	23-Sep-20	R-4,Branch road	Dadarbairya	ACC	14.94	13.82	
31	1300	24-Sep-20	T1L13	Dadarbairya	Aanand	14.51	15.00	
32	1301	24-Sep-20	T1L8B	Dadarbairya	Aanand	14.68	15.87	
33	1302	26-Sep-20	R-6	Dadarbairya		14.93	13.88	
-			Sp. Limit	Dadarballya	ACC	13.85	15.80	
mm	ents:-					<20%	>8 to 10 N/mm ²	<
-		19	Intractor		_	subarity (P	10.	
		AND COL	DI ATTOMOTENO			Consu	tant	
HONG	HENG CC	(Cart	OUP INTERNATIONAL E	NGINEERING CO.	BUILDING DI	ESIGN AUTHORITY (P) L Y PVT. LTD AND PLUS I KATHMAND	TO IN JOINT VENTURE INGINEERS & ARCHITEC	WITH B.N. CTS (P) LTD,
		-um	183TNI 9U080 Un		1.5	W×B	rating	
endra	By eer Yadav		Sujmitted Contract Ma Rabindra Kr. 1	nager	Expert Qt	iffied By / Surveyor/CSE /Rajan Shrestha	Approved By Team Leade Giresh Chanu	r



			C	Biratnagar Me Contract No:- R Jummary Sheet Of	UDP/ICB/I	BRT-02		
					in the second se	- neport	Month	September
							Year	2020
			1				Type of Material	Brick
S.N.	Lab Ref.No.	Testing Date	Location of Sample	Source of Brick	Name of Brick	Water Absorption o Brick(%)	f Strength of Brick(N/mm ²)	Remarks
34	1303	27-Sep-20	R-4, Branch road	Dadarbairya	Aanand	16.12	15.06	
35	1304	27-Sep-20	R-12,New gudri	Dadarbairya	ACC	15.35	14.55	
1		•						
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-								
+								
			Sp. Limit			<20%	> 0 to 10 N/2	
mme	ents:-						>8 to 10 N/mm ²	
		and Cu the	ontractor				arity (P)	
		1181	19 1901		1.2010.000.000		sultant	
IONG	HENG CO	120	LTD	ENGINEERING CO.	BUILDING D	CY PVT. LTD AND PLU: KATHMAN) LTD IN JOINT VENTURE S ENGINEERS & ARCHITE NDU, NEPAL	WITH B.N. CTS (P) LTD,
						Bir	atnagat	
				1		0.4	1	
2 40	/		//		1	X	0/	
1			hh		9	-	S	
becke			Submitted		Ve	rified By	Approved E	
Engine	eer Yadav		Contract Ma		Expert Qt	y Surveyor/CSE	Team Lead	
crisi d	.0004		Rabindra Kr.	Inakur	H.K.Manda	I/Rajan Shrestha	Giresh Char	



		September	2020		Remarks				-											B.N. LTD,				
		Septo	20	Strength N/mm ²	28 Days	46.13											>43			RE WITH TECTS (P)		A	Approved By	Team Leader Giresh Chand
		th th		Strengt	3 days	25.31	24.5								1		>23			T VENTU & ARCHI		V		
L		Month	Year	Testing	28 Days	30-Sep-20	14-0ct-20												tant	TD IN JOIN NGINEERS	×			
PROJEC				Date of Testing	3 Days	5-Sep-20	19-Sep-20							1					Consultant	IORITY (P) LTD'IN JOI AND PLUS ENCINEER KATHMANDU, NEPAL	* Biramagar			
JUNAL UKBAN DEVELOPMENT PROJECT	n City RT-02 TEST			Date of	Casting	2-Sep-20	16-Sep-20						/							BUILDING DESIGN AUTHORITY (P) LIDIN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL				oricoe
TOP	politan P/ICB/B CEMENT			Fineness	(%)	2.15	2.10			T	T	ľ		T			<10			ULTANC		A.el	Verified By	Export Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
DEVI	IT Metro 0:- RUD SHEET OF			ŝ	s(mm)	1.98	1.85									:	<10			BUII		U		H.K. Ma
KBAN	Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 SUMMARY SHEET OF CEMENT TEST			ime	Final (min)	210.00	208.00				I						Max-600			T				
NAL U	C B			Consistancy & Setting Time	Initial(Min) Final (min)	78.00	76.00			/						101-20	Min-30			NTERNATIONAL			37	lakur
KEGIOL				Consistanc	Normal Cons.(%)	30.20	29.80		/										tor			U	Subhitted By	Rabindra Kr. Thakur
				Tetsing Date		2-Sep-20	16-Sep-20									mit.			Contractor	NSTRUCTION CROUP I	GROUP WTEBNATION			
				Type of cement		Arghakhanchi	Arghakhanchi									Sn Limit-	april			ZHONGHENG CONSTRUCTION CROUP ENGINEERING CO. LITI		Als-	ed By neer	ra yadav
			401	0		+	74	1						+			unter.	comments:-		NOHZ		01	Checked By Engineer	Dhirendra yadav
				S.N.			NV	,						+	1		- mul			1.				

	1ber 0	Agg	Remarks																					RE WITH RS &			od By	hand
	September 2020	20 mm Agg	A.LV.%	N0 CC	20.44	21.42	21.27	22.31	21.87	23.65	21.50	20.34	22.26	80.77	23.19	23.01	21.47	20.83	20.53	00 50	< 25	1		T VENTU NGINEEH NEPAL		9	Approved By Team Leader	Giresh Chand
	th r	laterial	Fl and El %	73 0/23 50	20.80/22.99	21.73/23.03	21.77/23.71	21.02/23.3	22.32/22.42	22.45/23.07	23.08/21.98	21.33/20.96	20.28/22.02	22.58/25.00	23.04/22.55	22.64/21.70	23.0/21.24	22.16/22.46	20.63/21.68	23.02/22.72	<25		ji li	BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PV1 LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL				
	Month Year	Type of Material	L.A.A.%	02.20	24.04	23.78	21.76	22.40	20.68	24.40	22.20	22.60	20.46	20.27	21.76	24.40	21.10	22.46	22.35	19.76	-35		Consultant	UTY (P) I	elitatingal *			
Agg.			eight	567	3.02	2.68	3.29	3.11	3.57	3.76	2.89	2.51	3.11	2.24	1.89	2.71	2.95	3.27	3.48	2.77	0~5		10	ANCY PARANCY P				
I-02 of 20mm			Sieve Size in mm / % Passing by weight	13.85	13.11	14.63	14.13	17.29	17.40	17.00	17.82	19.43	17.83	47.71	13.23	12.73	12.95	10.07	17.13	12.46	0~25			ESIGN A NSULTA RCHITE			Verified By Expert Qty Surveyor/CSE	n Shrestha
Contract No:- RUDP/ICB/BRT-02 Sheet of Monthly Test Report of 20			mm / % Pa	48 34	+	-	\vdash	49.21	51 37	51.40		50.31	50.15	13.24	47.99	44.91	44.87	44.59	50.76	47.30	-			DING D B.N. CO A		4	d By Qty Surve	H.K. Mandal/Rajan Shrestha
- RUDP/ thly Test			ve Size in 1	88.28	+	\vdash	+	+	20.03	-	92.26	+	+	10.01	+		+	+	91 59	+				BUIL		.e.T	Verified By Expert Qty St	H.K. M
ract No: t of Mon			ľ	00001	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			VAL	4		By	Thakur
Contract No:- KUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report of 20mm Agg.			Source of Sample	Chisane Khola	Chisang Khola	Chicang Khola	Chisang Khola	Spec. Limit			GROUP INTERNATIONAL GO. LTD		M	Submitted By Contract Manager	Rabindra K. Thakur													
			Location of	TIL16C	R-5	R-83	R-111	R-70	R-70	R-5	R-111	R-70	T-11 160	R-83	RIII	R-70	R-71	K-39 NI 20	R-111	Madhumara Yard			Contractor	ERING CO. LTD				
			Date of Testing	2-Sep-20	2-Sep-20	2-Sep-20	2-Sep-20	3-Sep-20	4-Sep-20	4-Sep-20	5-Sep-20	6-Sep-20	6-Sep-20	7-Sen-20	7-Sep-20	8-Sep-20	8-Sep-20	0-2cp-20	10-Sep-20	12-Sep-20			Ŭ	CONSTRUCTION ENGINEERING	* ZHOHON			
			Lab.Ref no.	RUDP-CA-615	RUDP-CA-616	RUDP-CA-617	RUDP-CA-618	RUDP-CA-019	RUDP-CA-621	RUDP-CA-622	RUDP-CA-623	RUDP-CA-624	RUDP-CA-625	RUDP-CA-627	RUDP-CA-628	RUDP-CA-629	RUDP-CA-630	RIDP-CA-632	RUDP-CA-633	RUDP-CA-634				ZHONGHENG CONSTRUCTION ENGINEERING		MC	Engineer	Dhirendra Yadav
			S.n.	-	2	-	+	0 4	+	H	-	+	12	-		-	10	+	-	20 F				2		C	A and	Dhire



	September	20 mm Agg	Remarks																	$\left \right $		URE WITH ERS &	Approved By Giresh Chand
	Sept	20 m	A.LV.%	10.25	20.77	23.28	22.92	19.23	25.54	21.23	20.77	19.73								<25		T VENT NGINEI NEPAL	Approved By Team Leader Giresh Chand
	4	faterial	Fl and EI %	21 98/20 76	20.98/21.18	22.53/23.10	22.63/19.99	21.72/20.81	19/12/20/21/10	21.06/19.22	20.08/15.79	17.84/15.98							/	<25		BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY BYT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	1 × 10
	Month	Type of Material	L.A.A.%	00 00	22.04	21.00	22.46	20.70	20.60	24.90	23.10	22.50						1		-35	Concultant	TUDIA	Alternoor
Agg.			ight	378	2.96	3.74	2.70	1.50	2.60	2.31	1.30	2.33		T						0-5		UTHOR NCV P	
ity -02 f 20mm			Sieve Size in mm / % Passing by weight	16.78	17.14	18.76	18.10	17.05	4.05	16.12	5.62	4.37								0-25		SIGN A SULTA CHITE	/or/CSE Shrestha
litan C CB/BRT Report o			m / % Pas	46.98	41.77	42.83	45.38	20.70	43.71	44.12	39.97	34.42	1	t		1	4			0~20		ING DE	A.4 K Verified By Sxpert Qty Surveyor/CSF H.K. Mandal/Rajan Shrestha
letropo RUDP/IC			Size in m	89.77	90.05	90.66	91.01	95.12	88.64	94.21	96.45	97.43				T				85~100		BUILD	للمنافع المناقبة مناقبة مناق مناقبة مناقبة مناقب مناقبة مناقبة منا ممناقبةمنا مناقبةمنا من مناقبة مناقبةمنا مناقبةمنا مناقبةمنا مناقبةمنا مناقبةمنيمنا مناقبة مناقبةمن مناقبةمنا مناقبةمنا مناقبةمنا مناقبل مناقبم م
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Sheet of Monthly Test Report of 2(Sieve	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00				/				100		AL	
Biratnagar Metropolitan City Contract No:- RUDPACB/BRT-02 Summary Sheet of Monthly Test Report of 20mm Agg.			Source of Sample	Chisane Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola								Spec. Limit :		ROUP INTERNATIONAL	Submitted By Contract Manager Rabindra K. Thakur
201			Location of	T3L23C	N-40	R-12, (New Gudri)	N-3,(Junction)	R-12,(New Gudff)	TIL13	R-5	N-39	111.8B			/						Contractor		
			Date of Testing	13-Sep-20			15-Sep-20	t	18-Sep-20	19-Sep-20	19-Sep-20	21-Sep-20		/							Cor	ZHONGHENG CONSTRUCTION ENGINEERING	an de Million
			Lab.Ref no.	RUDP-CA-635	RUDP-CA-636	RUDP-CA-637	RUDP-CA-638	RUDP-CA-640	RUDP-CA-641	RUDP-CA-642	RUDP-CA-643	KUDP-CA-044	/									HONGHENG	April 1 April
			S.n.	-	\vdash	-	24 1	+		-	-					-			-			Z	Dhire B

			mber	2020 Cancrete Sand		Remarks																				BUILDING DESIGN AUTHORYTY (P) LYB IN JOINT VENTURE WITH B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS & ARCHITECTS (PLUTD, KATHMANDU, NEPAL			By er
		Page no 1 of 1	September	2020 Cancrete S	Class	Contetnt%	1 02	0.80	0.91	1.05	0.77	0.88	1.08	0.98	1.11	0.98	0.67	1.14	0.82	1.05	C0.0	1.01	<3%			DING DESIGN AUTHØRTY (P) LTD IN JOINT VENTURE V B.N. CONSULTANCY AVT, LTD AND PLUS ENGINEERS & ARCHITECTS (E) LTD, KATHMANDU, NEPAL		¥	Approved By Team Leader Giresh Chand
			ф.	Jo.	IBL	0.150	3 70	3.96	4.72	4.57	4.13	2.23	2.32	2.30	2.97	2.88	5.37	4.06	5.39	4.38	6.41	4.70	0~15			D IN JOI	100		
			Month	Type of	Material	0.300	10.90	9.67	10.50	11.29	9.06	9.42	12.32	11.71	14.92	16.43	12.24	9.53	12.45	14.78	21.07	18.04	5~70	(Consultant	Y (P) LY LTB N D, KATT	* Biratmanar)	
IPON		ete Sand			ssing by we	0.600	26.54	23.52	25.07	28.11	27.20	25.40	25.34	25.83	29.38	28.42	32.35	31.43	38.16	41.87	- 62.35	30.14	15~100		0	CV 4VT CV 4VT SVB/CT	118 ×	_	
TAT	ity -02	of Canci			Sieve Size in mm / % Passing by weight	1.18	51.42	44.62	47.27	50.70	44 33	44.24	41.79	43.87	48.47	60.44	53.56	47.86	54.28	61.38	54.65	47.26	30~100			IGN AU SULTAN			Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
	Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02	t Report			ieve Size in	2.36	74.64	70.55	72.48	68.96	64.11	65.18	66.53	66.75	70.18	86.07	76.73	71.35	76.97	83.49	78.01	73.74	60~100			NG DES N. CONS ARC			Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shres
	Aetropo RUDP/I	nthly Tes			Si	5.0	93.13	92.97	93.76	94.91	94.33	95.54	96.32	96.34	97.14	50.00	94.53	93.61	95.11	94.93	94.50	94.75	89~100			BUILDI B.		2.0	Verified By Expert Qty S H.K. Manda
	nagar A act No:-	et of Moi				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			AL			
TOTONT INTERIOR	Birat	Summary Sheet of Monthly Test Report of Cancrete Sand	•		Common of Commu-	source of sample	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Spec. Limit :			INTERNATION D	0	John .	Submitted By Contract Manager Rabindra K. Thakur											
					Location of	Sample		R-5	11L16C	R-111	TIL16C	R-111	R-70	R_S	R-83	N-3,Juction	R-6	K-12,New gudri	D-92	R-111	R-12,New gudri	N-1			ontractor	ZHONGHENG CONSTRUCTION CROWP INTERNATIONAL ENGINEERING CO. LTD	CALID. * ZUMGH		
					Date of	Testing	2-Sep-20	3-Sep-20	4-Sen-20	5-Sep-20	6-Sep-20	7-Sep-20	8-Son-20	8-Sen-20	10-Sep-20	11-Sep-20	11-Sep-20	12 Com 20	13-Sen-20	14-Sep-20	14-Sep-20	15-Sep-20				CONSTRU			
			•		Lab.Ref.no.		RUDP-CS-699	BUDP-CS-/00	RUDP-CS-702	RUDP-CS-703	RUDP-CS-704	RUDP-CS-705	RUDP-CS-707	RUDP-CS-708	RUDP-CS-709	RUDP-CS-710	RUDP-CS-711	-	+		-	KUDP-CS-717				HONGHENG		- We	CMecked By Engineer Dhirendra Yadav
			-		S.n.	_	+	4 6	+	5 B	-	× ×	+	-	11 R	-	13 R	-	-		-	20 KI				ZH	Ī	X	Checked By Engineer Dhirendra Y



			September	2020 Cancrete Sand		Remarks																			BUILDING DESIGN AUTHORIEX (P) LYD. IN JOINT VENTURE WITH B.N. CONSULTANCY PYT. LTD AND PLUS ENGINEERS & ARCHITECTS (PELTD, KATHMANDU, NEPAL		By der and
		Page no 1 of 2	Sept	Cancre	Clav	Contetnt%	/1.51	/0.76	16.0	1.04	1 16	1.04	0.93	0.77	101	601	11.07	11:32	(0.79	(1.15	1 0.80		3%		DING DESIGN AUTHORITY (P) LTD. IN JOINT VENTURE V B.N. CONSULTANCY PYT. LTD AND PLUS ENGINEERS & ARCHITECTS (PELTD, KATHMANDU, NEPAL	2	Approved By Team Leader Giresh Chand
			Π	of	101	0.150	4.29	4.50	5.22	5 10	4.95	4.60	4.31	4.08	32.6	217	3.10	2.89	3.13	3.94	7.03		0~15		D.N.JOI NDPLUS	3.5	
			Month	Type of Motorial		0.300	20.18	19.71	21.71	10.26	18.52	21.12	19.72	13.81	10.07	18.60	17.27	16.21	12.50	14.46	CO.CT		5-70	Consultant	LTDAY LTDAY	+ bliennagar 4	
IPON		ete Sand			ssing by we	0.600	38.35	40.70	42.06	1985	38.54	36.23	39.96	35.82	20.00	37.01	32.79	27.65	23.17	75.60		T	15~100	0	CV PVT.	ina *	
TINT	ty	of Caner			mm / % Pa	1.18	60.75	57.20	53.78	60.53	61.80	62.84	62.59	57.86	44.19	54.92	53.77	49.15	44.26	45.06	0000		30~100		IGN AUT ULTAN HITECT		rr/CSE Shrestha
	Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02	t Report			Sieve Size in mm / % Passing by weight	2.36	81.94	79.05	78.12	81.39	79.67	78.16	80.63	78.61	74.65	78.14	76.43	74.91	70.25	13.61	10121		60~100		NG DESI N. CONS ARC		Verified By Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
	1etropo RUDP/IC	thly Tes			Si	5.0	95.06	94.90	95.83	95.29	95.18	95.83	95.38	01.66	95.72	96.05	95.44	94.72	94.18	93.84			89~100		BUILDI B.I	1-ising	Verified By Expert Qty S H.K. Manda
	nagar N act No:-	et of Mor				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		AL		
INFORT INFORT TOTAL TOTAL TOTAL	Birati Contr	Summary Sheet of Monthly Test Report of Cancrete Sand			Courses of Counts	and the of a subjection of the second	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Mola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chisang Khola	Chicang Khola	Chisang Khola			Spec. Limit :		ROUP INTERNATIONAL CO. LTD	No.	Submitted By Contract Manager Rabindra K. Thakur
					Location of	Sample	-R-5	R-39 D 6	R-71	R-12,New gudri	N-1	TIL13 N-1	R-12 New ondri	TIL8B	R-4, Branch Road	T1L8B	R-101	Madhumara Yard	01-30 N-30	R-4, Branch Road				Cummon	RECHONTROUP I		
					Date of	Testing	16-Sep-20	19-Sep-20	21-Sep-20	21-Sep-20	22-Sep-20	23-Sep-20	25-Sen-20	25-Sep-20	26-Sep-20	27-Sep-20	27-Sep-20	28-Sen-20	29-Sen-20	30-Sep-20					ENGIN	V	
					Lab.Ref no.		RUDP-CS-718	RUDP-CS-720	RUDP-CS-721	RUDP-CS-722	RUDP-CS-723	RUDP-CS-725	RUDP-CS-726	RUDP-CS-727	RUDP-CS-728	RUDP-CS-729	BUDP-CS-730	RUDP-CS-732	RUDP-CS-733	RUDP-CS-734					ZHONGHENG CONSTRUCTIONIT ENGINEERING (Checked By Engineer Dhirendra Yadav
					S.n.	-	1 17	+		-	20 1	-	29 F		-	+	34 D	-	36 R	37 R	+	-			Z	M	Checked By Engineer Dhirendra Y





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

					RBAN DE Biratnagar M			ROJE	-1		
					Contract No:- F						
					ary Sheet of Co						
										Page No 1 of	1
								Month			mber
								Year			20
		-				-		ype of Materia	d	Conc.	Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand+Agg.	Date of Casting		Testing		th, N/mm2	Concret
• 1	R-83	RUDP-3624	Sarbottam	OPC	Chisang Khola	5-Aug-20	7 Days 12-Aug-20	28 Days 2-Sep-20	7 Days	28 Days	Grade
. 2	T3L26E	RUDP-3625	Sarbottam	OPC	Chisang Khola	5-Aug-20	12-Aug-20	2-Sep-20		21.63	M20 M20
3	TIL16C	RUDP-3626	Sarbottam	OPC	Chisang Khola	7-Aug-20	14-Aug-20	4-Sep-20		23.65	M20
4	R-70	RUDP-3627	Sarbottam	OPC	Chisang Khola	8-Aug-20	15-Aug-20	5-Sep-20		23.03	M20
5	R-5 T2L24C,D	RUDP-3628	Sarbottam	OPC	Chisang Khola	9-Aug-20	16-Aug-20	6-Sep-20		23.58	M20
7	Koshi yard	RUDP-3629 RUDP-3630	Sarbottam Sarbottam	OPC OPC	Chisang Khola	9-Aug-20	16-Aug-20	6-Sep-20		24.47	M20
8	TIL16C	RUDP-3631	Sarbottam	OPC	Chisang Khola Chisang Khola	10-Aug-20 10-Aug-20	17-Aug-20	7-Sep-20		22.33	M20
9	T3L26E	RUDP-3632	Sarbottam	OPC	Chisang Khola	10-Aug-20 11-Aug-20	17-Aug-20 18-Aug-20	7-Sep-20 8-Sep-20		22.73	M20
10	T3L5	RUDP-3633	Sarbottam	OPC	Chisang Khola	12-Aug-20	19-Aug-20	9-Sep-20		23.28	M20 M20
11	R-83	RUDP-3634	Sarbottam	OPC	Chisang Khola	12-Aug-20	19-Aug-20	9-Sep-20		22.11	M20
12	T2L24	RUDP-3635	Sarbottam	OPC	Chisang Khola	13-Aug-20	20-Aug-20	10-Sep-20		22.00	M20
13 14	R-181B T1L16C	RUDP-3636 RUDP-3637	Sarbottam Arghakhanchi	OPC	Chisang Khola	14-Aug-20	21-Aug-20	11-Sep-20	(72.66	M20
14	R-5	RUDP-3637 RUDP-3638	Arghakhanchi Arghakhanchi	OPC OPC	Chisang Khola Chisang Khola	26-Aug-20	- 2-Sep-20	23-Sep-20	(16.99	423.44	M20
16	R-83	RUDP-3639	Arghakhanchi	OPC	Chisang Khola	26-Aug-20 27-Aug-20	2-Sep-20 3-Sep-20	23-Sep-20 24-Sep-20	(15.66	22:05	M20
17	T1L16C	RUDP-3640	Arghakhanchi	OPC	Chisang Khola	28-Aug-20	4-Sep-20	25-Sep-20	/16/21	(2):65	M20 M20
18	R-70	RUDP-3641	Arghakhanchi	OPC	Chisang Khola	28-Aug-20	4-Sep-20	25-Sep-20	15.50	22/52	M20 M20
19	R-111	RUDP-3642	Arghakhanchi	OPC	Chisang Khola	29-Aug-20	5-Sep-20	26-Sep-20	/15.50	/21.89	M20
• 20	R-6	RUDP-3643	Arghakhanchi	OPC	Chisang Khola	29-Aug-20	5-Sep-20	26-Sep-20	14.72	23.36	M20
21	N-1 R-39	RUDP-3644	Arghakhanchi	OPC	Chisang Khola	29-Aug-20	5-Sep-20	26-Sep-20	16.44	22.36	M20
23	R-12,New gudri	RUDP-3645 RUDP-3646	Arghakhanchi Arghakhanchi	OPC OPC	Chisang Khola	29-Aug-20	5-Sep-20	26-Sep-20	17.15	23.05	M20
24	R-83	RUDP-3647	Arghakhanchi	OPC	Chisang Khola Chisang Khola	30-Aug-20 30-Aug-20	6-Sep-20	27-Sep-20	15.66	22.28	M20
25	R-111	RUDP-3648	Arghakhanchi	OPC	Chisang Khola	30-Aug-20	6-Sep-20 6-Sep-20	27-Sep-20 27-Sep-20	16.44	22.52	M20
26	Madhumara Yard	RUDP-3649	Arghakhanchi	OPC	Chisang Khola	30-Aug-20	6-Sep-20	27-Sep-20	18.59	22.36	M20 M25
27	R-101	RUDP-3650	Arghakhanchi	OPC	Chisang Khola	31-Aug-20	7-Sep-20	28-Sep-20	15.50	22.36	M20
28	R-39	RUDP-3651	Arghakhanchi	OPC	Chisang Khola	31-Aug-20	7-Sep-20	28-Sep-20	16.13	23.36	M20
29 30	T3L23C R-83	RUDP-3652 RUDP-3653	Arghakhanchi Arghakhanchi	OPC	Chisang Khola	1-Sep-20	8-Sep-20	29-Sep-20	15.27	22.60	M20
31	TIL16C	RUDP-3654	Arghakhanchi	OPC OPC	Chisang Khola Chisang Khola	1-Sep-20	8-Sep-20	29-Sep-20	16.44	23.13	M20
32	R-5	RUDP-3655	Arghakhanchi	OPC	Chisang Khola	1-Sep-20 2-Sep-20	8-Sep-20 9-Sep-20	29-Sep-20 30-Sep-20	15.66	22.52	M20
33	R-70	RUDP-3656	Arghakhanchi	OPC	Chisang Khola	2-Sep-20	9-Sep-20	30-Sep-20 30-Sep-20	16.76	23.13 23.58	M20 M20
34	R-83	RUDP-3657	Arghakhanchi	OPC	Chisang Khola	2-Sep-20	9-Sep-20	30-Sep-20	15.58	22.18	M20
35	R-6	RUDP-3658	Arghakhanchi	OPC	Chisang Khola	2-Sep-20	9-Sep-20	30-Sep-20	16.60	22.73	M20
36 37	N-1 R-101	RUDP-3659 RUDP-3660	Arghakhanchi Arghakhanchi	OPC	Chisang Khola	3-Sep-20	10-Sep-20	1-Oct-20	15.97		M20
38	T3L23C	RUDP-3660 RUDP-3661	Arghakhanchi	OPC OPC	Chisang Khola Chisang Khola	3-Sep-20	10-Sep-20	1-Oct-20	14.72		M20
39	R-12,New gudri	RUDP-3662	Arghakhanchi	OPC	Chisang Khola Chisang Khola	3-Sep-20 4-Sep-20	10-Sep-20	1-Oct-20	16,52		M20
40	R-70	RUDP-3663	Arghakhanchi	OPC	Chisang Khola	4-Sep-20	11-Sep-20 11-Sep-20	2-Oct-20 2-Oct-20	15.50		M20
41	N-39	RUDP-3664	Arghakhanchi	OPC	Chisang Khola	4-Sep-20	11-Sep-20	2-Oct-20	17.54		M20
42	N-40	RUDP-3665	Arghakhanchi	OPC	Chisang Khola	5-Sep-20	12-Sep-20	3-Oct-20	17.54		M20
43	Madhumara Yard	RUDP-3666	Arghakhanchi	OPC	Chisang Khola	5-Sep-20	12-Sep-20	3-Oct-20	19.10		M20 M25
44	R-6 N-1	RUDP-3667 RUDP-3668	Arghakhanchi	OPC	Chisang Khola	8-Sep-20	15-Sep-20	6-Oct-20	15.42		M20
45	R-39	RUDP-3668 RUDP-3669	Arghakhanchi Arghakhanchi	OPC OPC	Chisang Khola	8-Sep-20	15-Sep-20	6-Oct-20	16.29		M20
47	R-12,New gudri	RUDP-3670	Arghakhanchi	OPC	Chisang Khola Chisang Khola	9-Sep-20 9-Sep-20	16-Sep-20	7-Oct-20	14.64		M20
		Contracto	of the survey of		Chinang Kuna	mocp-20	16-Sep-20	7-Oct-20	15.03		M20
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1000	idra Yadav		Contract N	lanager	Expert Qty Surv	evor/CSE			Te	eam Leader	



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					Contract No:- I	RUDP/ICB/	BRT-02				
				Sum	iary sheet of Co	increte Cul	belest Repor	1	-	Page No 1 of	2
								Month		1 / /	mber
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-		-					1	Type of Materia	al	(Conc.	Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement		Date of		f Testing	Strengt	h, N/mm2	Concret
48	R-111	RUDP-3671	Arghakhanchi	OPC	Sand+Agg.	Casting	7 Days	28 Days	7 Days	28 Days	Grade
49	R-101	RUDP-3672	Arghakhanchi	OPC	Chisang Khola Chisang Khola	10-Sep-20 11-Sep-20	17-Sep-20	8-Oct-20	16.29		M20
• 50	T1L16C	RUDP-3673	Arghakhanchi	OPC	Chisang Khola	11-Sep-20	18-Sep-20 18-Sep-20	9-Oct-20 9-Oct-20	17.07		M20
, 51	R-83	RUDP-3674	Arghakhanchi	OPC	Chisang Khola	12-Sep-20	19-Sep-20	10-Oct-20	15.35		M20 M20
52	R-5	RUDP-3675	Arghakhanchi	OPC	Chisang Khola	12-Sep-20	19-Sep-20	10-Oct-20	16.13		M20
53	R-71	RUDP-3676	Arghakhanchi	OPC	Chisang Khola	14-Sep-20	21-Sep-20	12-Oct-20	15.50		M20
54 55	N-39 R-5	RUDP-3677	Arghakhanchi	OPC	Chisang Khola	14-Sep-20	21-Sep-20	12-Oct-20	15.27		M20
56	R-5 R-71	RUDP-3678 RUDP-3679	Arghakhanchi Arghakhanchi	OPC	Chisang Khola	15-Sep-20	22-Sep-20	13-Oct-20	17.15		M20
57	N-39	RUDP-3679 RUDP-3680	Arghakhanchi Arghakhanchi	OPC OPC	Chisang Khola	15-Sep-20	22-Sep-20	13-Oct-20	15.19		M20
58	N-39	RUDP-3681	Arghakhanchi	OPC	Chisang Khola Chisang Khola	15-Sep-20	22-Sep-20	13-Oct-20	17.93		M20
59	R-12,New gudri	RUDP-3682	Arghakhanchi	OPC	Chisang Khola	16-Sep-20 16-Sep-20	23-Sep-20	14-Oct-20	15.97		M20
60	R-18	RUDP-3683	Arghakhanchi	OPC	Chisang Khola	18-Sep-20	23-Sep-20 25-Sep-20	14-Oct-20 16-Oct-20	16.21		M20
61	T1L8B	RJJDP-3684	Arghakhanchi	OPC	Chisang Khola	18-Sep-20	25-Sep-20 25-Sep-20	16-Oct-20	16.91 16.29		M20
62	N-39	RUDP-3685	Arghakhanchi	OPC	Chisang Khola	18-Sep-20	25-Sep-20	16-Oct-20	15.50		M20 M20
63	T3L23C	RUDP-3686	Arghakhanchi	OPC	Chisang Khola	18-Sep-20	25-Sep-20	16-Oct-20	17.54		M20 M20
64	R-71	RUDP-3687	Arghakhanchi	OPC	Chisang Khola	19-Sep-20	26-Sep-20	17-Oct-20	16.05		M20
65 66	R-6 R-101	RUDP-3688 RUDP-3689	Arghakhanchi	OPC	Chisang Khola	19-Sep-20	26-Sep-20	17-Oct-20	15.97		M20
67	N-39	RUDP-3689 RUDP-3690	Arghakhanchi Arghakhanchi	OPC	Chisang Khola	20-Sep-20	27-Sep-20	18-Oct-20	16.91		M20
68	R-6	RUDP-3691	Arghakhanchi	OPC OPC	Chisang Khola Chisang Khola	20-Sep-20	27-Sep-20	18-Oct-20	17.69		M20
. 69	R-12,New gudri	RUDP-3692	Arghakhanchi	OPC	Chisang Khola	20-Sep-20 21-Sep-20	27-Sep-20	18-Oct-20	15.97		M20
70	R-18	RUDP-3693	Arghakhanchi	OPC	Chisang Khola	21-Sep-20	28-Sep-20 28-Sep-20	19-Oct-20 19-Oct-20	17.69		M20
71	T3L23C	RUDP-3694	Arghakhanchi	OPC	Chisang Khola	22-Sep-20	29-Sep-20	20-Oct-20	16.76		M20
72	R-5	RUDP-3695	Arghakhanchi	OPC	Chisang Khola	23-Sep-20	30-Sep-20	21-Oct-20	15.74		M20
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								Page no	.1 of 1	1	7
								Month		Sept	ember
								Year		1 21	020
_		-					Descr	iption of Sam	ple	Brick	k Wall
		1.5					Date o	f Testing	Strength	, N/mm2	
S.N.	Location •	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28	Type Grad
1	R-83	MR-2836	Sarbottam	OPC	Chisang Khola	5-Aug-20	12-Aug-20	2-Sep-20		Days	7.5
2	R-181B	MR-2837	Sarbottam	OPC	Chisang Khola	5-Aug-20	12-Aug-20	2-Sep-20	-	8.63 9.17	7.5
3	T3L26E	MR-2838	Sarbottam	OPC	Chisang Khola	5-Aug-20	12-Aug-20	2-Sep-20		8.77	7.5
4	T2L24	MR-2839	Sarbottam	OPC	Chisang Khola	5-Aug-20	12-Aug-20	2-Sep-20		9.57	7.5
5	R-70	MR-2840	Sarbottam	OPC	Chisang Khola	8-Aug-20	15-Aug-20	5-Sep-20		8.90	7.5
6	T2L24	MR-2841	Sarbottam	OPC	Chisang Khola	8-Aug-20	15-Aug-20	5-Sep-20		8.23	7.5
• 7	R-181B	MR-2842	Sarbottam	OPC	Chisang Khola	8-Aug-20	15-Aug-20	5-Sep-20		9.98	7.5
8	T1L16C	MR-2843	Sarbottam	OPC	Chisang Khola	10-Aug-20	17-Aug-20	7-Sep-20		9.98	7.5
9	T3L26E	MR-2844	Sarbottam	OPC	Chisang Khola	10-Aug-20	17-Aug-20	7-Sep-20		9.44	7.5
10	R-83	MR-2845	Sarbottam	OPC	Chisang Khola	10-Aug-20	17-Aug-20	7-Sep-20		8.77	7.5
11	R-181B	MR-2846	Sarbottam	OPC	Chisang Khola	14-Aug-20	21-Aug-20	11-Sep-20		9.71	7.5
12	T3L26E	MR-2847	Sarbottam	OPC	Chisang Khola	14-Aug-20	21-Aug-20	11-Sep-20		10.11	7.5
13	T2L24	MR-2848	Sarbottam	OPC	Chisang Khola	14-Aug-20	21-Aug-20	11-Sep-20		9.44	7.5
14	R-181B	MR-2849	Sarbottam	OPC	Chisang Khola	17-Aug-20	24-Aug-20	14-Sep-20		8.63	7.5
15	TIL16C	MR-2850	Sarbottam	OPC	Chisang Khola	17-Aug-20	24-Aug-20	14-Sep-20		9.57	7.5
16	R-70	MR-2851	Sarbottam	OPC	Chisang Khola	17-Aug-20	24-Aug-20	14-Sep-20		9.44	7.5
17	T3L26E	MR-2852	Sarbottam	OPC	Chisang Khola	20-Aug-20	27-Aug-20	17-Sep-20		10.11	7.5
18	T1L16C	MR-2853	Sarbottam	OPC	Chisang Khola	20-Aug-20	27-Aug-20	17-Sep-20		9.30	7.5
19	T1L16C	MR-2854	Sarbottam	OPC	Chisang Khola	23-Aug-20	30-Aug-20	20-Sep-20		8.63	7.5
20	R-181B	MR-2855	Sarbottam	OPC	Chisang Khola	23-Aug-20	30-Aug-20	20-Sep-20		9.98	7.5
21 22	TILI6C	MR-2856	Arghakhanchi	OPC	Chisang Khola	26-Aug-20	2-Sep-20	23-Sep-20	6.88	9.30	7.5
22	R-5	MR-2857	Arghakhanchi	OPC	Chisang Khola	26-Aug-20	2-Sep-20	23-Sep-20	6.07	8.63	7.5
23	N-39 R-70	MR-2858	Arghakhanchi Arghakhanchi	OPC	Chisang Khola	27-Aug-20	3-Sep-20	24-Sep-20	7.15	9.84	7.5
25	R-6	MR-2859 MR-2860	Arghakhanchi	OPC	Chisang Khola	27-Aug-20	3-Sep-20	24-Sep-20	6.34	9.04	7.5
26	R-111	MR-2860 MR-2861	Arghakhanchi	OPC	Chisang Khola	28-Aug-20	4-Sep-20	25-Sep-20	5.80	8.23	7.5
27	R-83	MR-2861 MR-2862	Arghakhanchi	OPC	Chisang Khola	28-Aug-20	4-Sep-20	25-Sep-20	6.74	9.57	7.5
28	R-5	MR-2862 MR-2863	Arghakhanchi	OPC OPC	Chisang Khola	30-Aug-20	6-Sep-20	27-Sep-20	6.20	8.36	7.5
29	N-3	MR-2863 MR-2864	Arghakhanchi	OPC	Chisang Khola	30-Aug-20	6-Sep-20	27-Sep-20	6.07	8.90	7.5
30	N-3.Juction	MR-2865	Arghakhanchi	OPC	Chisang Khola Chisang Khola	31-Aug-20	7-Sep-20	28-Sep-20	6.74	9.84	7.5
31	R-83	MR-2866	Arghakhanchi	OPC	0	1-Sep-20	8-Sep-20	29-Sep-20	6.20	9.44+	7.5
32	N-39	MR-2867	Arghakhanchi	OPC	Chisang Khola Chisang Khola	1-Sep-20 2-Sep-20	8-Sep-20	29-Sep-20	6.74	9.04	7.5
33	TIL16C	MR-2868	Arghakhanchi	OPC	Chisang Khola	2-Sep-20 4-Sep-20	9-Sep-20	30-Sep-20	6.74	9.71	7.5
34	R-6	MR-2869	Arghakhanchi	OPC	Chisang Khola	4-Sep-20 4-Sep-20	11-Sep-20 11-Sep-20	2-Oct-20 2-Oct-20	6.20 7.15		7.5 7.5
		Contractor	TEHINATA				Consulta	nt			
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								Page no Month	0.1 OF 2	1 6	-
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S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	of Testing 28 Days	7 Days	28	Тура Gra
35	R-5	MR-2870	Arghakhanchi	OPC	Chisang Khola	4-Sep-20	11. San 20	2 Oat 20		Days	1
36	N-39	MR-2871	Arghakhanchi	OPC	Chisang Khola	5-Sep-20	11-Sep-20 12-Sep-20	2-Oct-20 3-Oct-20	6.74	100	(7.5
37	R-111	MR-2872	Arghakhanchi	OPC	Chisang Khola	5-Sep-20			5.80		7.5
38	R-83 .	MR-2873	Arghakhanchi	OPC	Chisang Khola	5-Sep-20	12-Sep-20	3-Oct-20	6.88		7.5
39	N-1	MR-2874	Arghakhanchi	OPC	Chisang Khola	6-Sep-20	12-Sep-20	3-Oct-20	7.15		7.5
40	R-83	MR-2875	Arghakhanchi	OPC	Chisang Khola		13-Sep-20	4-Oct-20	6.74		7.5
41	R-83	MR-2876	Arghakhanchi	OPC		8-Sep-20	15-Sep-20	6-Oct-20	7.15		7.5
42	R-70	MR-2877	Arghakhanchi	OPC	Chisang Khola	8-Sep-20	15-Sep-20	6-Oct-20	6.07		7.5
43	R-12,New gudri	MR-2878	Arghakhanchi		Chisang Khola	9-Sep-20	16-Sep-20	7-Oct-20	6.47		7.5
44	R-111	MR-2879	Arghakhanchi	OPC	Chisang Khola	10-Sep-20	17-Sep-20	8-Oct-20	6.20		7.5
. 45	N-1	MR-2880	Arghakhanchi	OPC	Chisang Khola	11-Sep-20	18-Sep-20	9-Oct-20	6.34		7.5
. 46	R-83	MR-2881		OPC	Chisang Khola	11-Sep-20	18-Sep-20	9-Oct-20	6.07		7.5
47	R-5	MR-2882	Arghakhanchi Arghakhanchi	OPC	Chisang Khola	11-Sep-20	18-Sep-20	9-Oct-20	6.20		7.5
48	R-39	MR-2883	Arghakhanchi	OPC	Chisang Khola	12-Sep-20	19-Sep-20	10-Oct-20	6.34		7.5
49	N-3,Juction			OPC	Chisang Khola	12-Sep-20	19-Sep-20	10-Oct-20	6.47		7.5
50	T1L16C	MR-2884 MR-2885	Arghakhanchi	OPC	Chisang Khola	13-Sep-20	20-Sep-20	11-Oct-20	6.61		7.5
51	R-5		Arghakhanchi	OPC	Chisang Khola	13-Sep-20	20-Sep-20	11-Oct-20	6.20		7.5
52	R-70	MR-2886 MR-2887	Arghakhanchi	OPC	Chisang Khola	14-Sep-20	21-Sep-20	12-Oct-20	6.74		7.5
53	N-1	MR-2888	Arghakhanchi Arghakhanchi	OPC	Chisang Khola	14-Sep-20	21-Sep-20	12-Oct-20	6.20		7.5
54	R-6			OPC	Chisang Khola	14-Sep-20	21-Sep-20	12-Oct-20	6.07		7.5
55	N-39 ·	MR-2889 MR-2890	Arghakhanchi	OPC	Chisang Khola	14-Sep-20	21-Sep-20	12-Oct-20	6.74		7.5
56	R-111	MR-2890 MR-2891	Arghakhanchi	OPC	Chisang Khola	15-Sep-20	22-Sep-20	13-Oct-20	7.01		7.5
57	T1L13	MR-2891 MR-2892	Arghakhanchi	OPC	Chisang Khola	15-Sep-20	22-Sep-20	13-Oct-20	6.88		7.5
58	N-1	MR-2892 MR-2893	Arghakhanchi Arghakhanchi	OPC	Chisang Khola	15-Sep-20	22-Sep-20	13-Oct-20	6.47		7.5
59	R-70	MR-2895 MR-2894		OPC	Chisang Khola	16-Sep-20	23-Sep-20	14-Oct-20	5.93		7.5
60	TIL16C	MR-2894 MR-2895	Arghakhanchi	OPC	Chisang Khola	16-Scp-20	23-Sep-20	14-Oct-20	6.61		7.5
61	R-5	MR-2895	Arghakhanchi	OPC	Chisang Khola	16-Sep-20	23-Sep-20	14-Oct-20	6.07		7.5
62	N-3,Juction	MR-2890 MR-2897	Arghakhanchi	OPC	Chisang Khola	16-Sep-20	23-Sep-20	14-Oct-20	6.88		7.5
63	R-71		Arghakhanchi	OPC	Chisang Khola	16-Sep-20	23-Sep-20	14-Oct-20	6.61		7.5
64	T1L8B	MR-2898 MR-2899	Arghakhanchi	OPC	Chisang Khola	17-Sep-20	24-Sep-20	15-Oct-20	5.80		7.5
65			Arghakhanchi	OPC	Chisang Khola	17-Sep-20	24-Sep-20	15-Oct-20	7.15		7.5
66	R-111 R-70	MR-2900 MR-2901	Arghakhanchi	OPC	Chisang Khola	17-Sep-20	24-Sep-20	15-Oct-20	6.74		7.5
67	R-83	MR-2901 MR-2902	Arghakhanchi Arghakhanchi	OPC	Chisang Khola	17-Sep-20	24-Sep-20	15-Oct-20	5.80		7.5
68	TIL16C		-	OPC	Chisang Khola	17-Sep-20	24-Sep-20	15-Oct-20	6.74		7.5
50	TILIOC	MR-2903	Arghakhanchi	OPC	Chisang Khola	18-Sep-20	25-Sep-20	16-Oct-20	7.01		7.5
10		ontractor									
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ZH	IONGHENG C ERNATIONAL	ONSTRU	CTION GROU CERING CO. 1	UP LTD	VENTURE W	ITH B.N.	NAUTHOI CONSULT, HITECTS + NEPAI	ANCY PVT (P) LTD, K	LTD	AND	PLUS
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ecked			Submitted	By	Verified By						
gineer			Contract Man		Expert Qty Surv	evor/CSE				roved	
irendra	a Yadav		Rabindra Kr. T	-	H.K. Mandal/Raja					n Lead	
					in thundary hdje	monrestna			Gire	sh Char	nd



69 70 N-3 71 72 73 T 74 75 76 R-12, 77 T 78 79 79 T 80 R-4,Br 81 T	Location R-39 -3,Juction R-4 R-71 T1L8B R-71 R-6 2,New gudri T1L8B R-4 T1L13 Branch Road T1L8B P,New gudri	Lab Ref.no. MR-2904 MR-2905 MR-2906 MR-2907 MR-2908 MR-2909 MR-2910 MR-2911 MR-2912 MR-2913 MR-2914 MR-2915 MR-2916 MR-2917	Sur Type of Cement Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	Brand of Cement OPC OPC OPC OPC OPC OPC OPC OPC OPC OPC	Source of Sand Chisang Khola Chisang Khola	Date of Casting 18-Sep-20 18-Sep-20 18-Sep-20 19-Sep-20 20-Sep-20 20-Sep-20 21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20 23-Sep-20 23-Sep-20	Descri	Page no. Month Year iption of Samp f Testing 28 Days 16-Oct-20 16-Oct-20 16-Oct-20 17-Oct-20 18-Oct-20 18-Oct-20 18-Oct-20 19-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 21-Oct-20 21-Oct-20		20 Brick	ember 020 k Wall 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5
69 70 N-1 71 1 72 1 73 1 74 1 75 1 76 R-12, 77 1 78 1 79 1 80 R-4,Br 81 1	R-39 -3,Juction R-4 R-71 T1L8B R-71 R-6 2,New gudri T1L8B R-4 T1L13 Branch Road T1L8B	Ref.no. MR-2904 MR-2905 MR-2906 MR-2907 MR-2908 MR-2909 MR-2910 MR-2911 MR-2911 MR-2912 MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	Cement OPC OPC OPC OPC OPC OPC OPC OPC OPC OPC	Source of Sand Chisang Khola Chisang Khola	Casting 18-Sep-20 18-Sep-20 18-Sep-20 19-Sep-20 20-Sep-20 20-Sep-20 21-Sep-20 21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	Date o 7 Days 25-Sep-20 25-Sep-20 26-Sep-20 26-Sep-20 26-Sep-20 27-Sep-20 28-Sep-20 28-Sep-20 29-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	Month Year ption of Samp f Testing 28 Days 16-Oct-20 16-Oct-20 16-Oct-20 17-Oct-20 18-Oct-20 18-Oct-20 18-Oct-20 19-Oct-20 19-Oct-20 20-Oct-20 20-Oct-20	Strength 7 Days 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.47 5.66 6.20 6.88	20 Brick , N/mm2 28	020 k Wall Type of Grade 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5
69 70 N-1 71 1 72 1 73 1 74 1 75 1 76 R-12, 77 1 78 1 79 1 80 R-4,Br 81 1	R-39 -3,Juction R-4 R-71 T1L8B R-71 R-6 2,New gudri T1L8B R-4 T1L13 Branch Road T1L8B	Ref.no. MR-2904 MR-2905 MR-2906 MR-2907 MR-2908 MR-2909 MR-2910 MR-2911 MR-2911 MR-2912 MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	Cement OPC OPC OPC OPC OPC OPC OPC OPC OPC OPC	Source of Sand Chisang Khola Chisang Khola	Casting 18-Sep-20 18-Sep-20 18-Sep-20 19-Sep-20 20-Sep-20 20-Sep-20 21-Sep-20 21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	Date o 7 Days 25-Sep-20 25-Sep-20 26-Sep-20 26-Sep-20 26-Sep-20 27-Sep-20 28-Sep-20 28-Sep-20 29-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	Year iption of Samp f Testing 28 Days 16-Oct-20 16-Oct-20 16-Oct-20 17-Oct-20 18-Oct-20 18-Oct-20 19-Oct-20 19-Oct-20 19-Oct-20 20-Oct-20	Strength, 7 Days 6.20 6.88 5.93 6.07 6.20 6.74 7.01 6.47 5.66 6.20 6.88	20 Brick , N/mm2 28	020 k Wall Type of Grade 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5
69 70 N-3 71 72 73 T 74 75 76 R-12, 77 T 78 79 79 T 80 R-4,Br 81 T	R-39 -3,Juction R-4 R-71 T1L8B R-71 R-6 2,New gudri T1L8B R-4 T1L13 Branch Road T1L8B	Ref.no. MR-2904 MR-2905 MR-2906 MR-2907 MR-2908 MR-2909 MR-2910 MR-2911 MR-2911 MR-2912 MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	Cement OPC OPC OPC OPC OPC OPC OPC OPC OPC OPC	Source of Sand Chisang Khola Chisang Khola	Casting 18-Sep-20 18-Sep-20 18-Sep-20 19-Sep-20 20-Sep-20 20-Sep-20 21-Sep-20 21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	Date o 7 Days 25-Sep-20 25-Sep-20 26-Sep-20 26-Sep-20 26-Sep-20 27-Sep-20 28-Sep-20 28-Sep-20 29-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	iption of Samp fTesting 28 Days 16-Oct-20 16-Oct-20 16-Oct-20 16-Oct-20 18-Oct-20 18-Oct-20 18-Oct-20 18-Oct-20 19-Oct-20 19-Oct-20 20-Oct-20	Strength, 7 Days 6.20 6.88 5.93 6.07 6.20 6.74 7.01 6.47 5.66 6.20 6.88	Brick N/mm2 28	k Wall Type o Grade 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5
69 70 N-3 71 72 73 T 74 75 76 R-12, 77 T 78 79 79 T 80 R-4,Br 81 T	R-39 -3,Juction R-4 R-71 T1L8B R-71 R-6 2,New gudri T1L8B R-4 T1L13 Branch Road T1L8B	Ref.no. MR-2904 MR-2905 MR-2906 MR-2907 MR-2908 MR-2909 MR-2910 MR-2911 MR-2911 MR-2912 MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	Cement OPC OPC OPC OPC OPC OPC OPC OPC OPC OPC	Source of Sand Chisang Khola Chisang Khola	Casting 18-Sep-20 18-Sep-20 18-Sep-20 19-Sep-20 20-Sep-20 20-Sep-20 21-Sep-20 21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	Date o 7 Days 25-Sep-20 25-Sep-20 26-Sep-20 26-Sep-20 26-Sep-20 27-Sep-20 28-Sep-20 28-Sep-20 29-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	Testing 28 Days 16-Oct-20 16-Oct-20 16-Oct-20 17-Oct-20 18-Oct-20 18-Oct-20 19-Oct-20 19-Oct-20 20-Oct-20 21-Oct-20	Strength, 7 Days 6.20 6.88 5.93 6.07 6.20 6.74 7.01 6.47 5.66 6.20 6.88	, N/mm2 28	Type of Grade 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5
69 70 N-3 71 72 73 T 74 75 76 R-12, 77 T 78 79 79 T 80 R-4,Br 81 T	R-39 -3,Juction R-4 R-71 T1L8B R-71 R-6 2,New gudri T1L8B R-4 T1L13 Branch Road T1L8B	Ref.no. MR-2904 MR-2905 MR-2906 MR-2907 MR-2908 MR-2909 MR-2910 MR-2911 MR-2911 MR-2912 MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	Cement OPC OPC OPC OPC OPC OPC OPC OPC OPC OPC	Source of Sand Chisang Khola Chisang Khola	Casting 18-Sep-20 18-Sep-20 18-Sep-20 19-Sep-20 20-Sep-20 20-Sep-20 21-Sep-20 21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	7 Days 25-Sep-20 25-Sep-20 26-Sep-20 26-Sep-20 27-Sep-20 27-Sep-20 28-Sep-20 28-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	28 Days 16-Oct-20 16-Oct-20 16-Oct-20 17-Oct-20 18-Oct-20 18-Oct-20 19-Oct-20 19-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 21-Oct-20	7 Days 6.20 6.20 6.88 5.93 6.07 6.20 6.74 7.01 6.47 5.66 6.20 6.88	28	Grade 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5
70 N-1 71 72 73 T 74 75 76 R-12, 77 T 78 79 79 T 80 R-4,Bri 81 T	-3,Juction R-4 R-71 T1L&B R-71 R-6 2,New gudri T1L&B R-4 T1L13 Branch Road T1L&B	MR-2905 MR-2906 MR-2907 MR-2909 MR-2910 MR-2911 MR-2912 MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	OPC OPC OPC OPC OPC OPC OPC OPC OPC OPC	Chisang Khola Chisang Khola	18-Sep-20 18-Sep-20 19-Sep-20 20-Sep-20 20-Sep-20 21-Sep-20 21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	25-Sep-20 25-Sep-20 25-Sep-20 26-Sep-20 26-Sep-20 27-Sep-20 28-Sep-20 28-Sep-20 29-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	16-Oct-20 16-Oct-20 16-Oct-20 17-Oct-20 18-Oct-20 18-Oct-20 19-Oct-20 19-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 21-Oct-20	6.20 6.20 6.20 6.88 5.93 6.07 6.20 6.74 7.01 6.47 5.66 6.20 6.88 6.88	Days	7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5
70 N-1 71 72 73 T 74 75 76 R-12, 77 T 78 79 79 T 80 R-4,Bri 81 T	-3,Juction R-4 R-71 T1L&B R-71 R-6 2,New gudri T1L&B R-4 T1L13 Branch Road T1L&B	MR-2905 MR-2906 MR-2907 MR-2909 MR-2910 MR-2911 MR-2912 MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	OPC OPC OPC OPC OPC OPC OPC OPC OPC OPC	Chisang Khola Chisang Khola	18-Sep-20 18-Sep-20 19-Sep-20 20-Sep-20 20-Sep-20 21-Sep-20 21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	25-Sep-20 25-Sep-20 26-Sep-20 26-Sep-20 27-Sep-20 28-Sep-20 28-Sep-20 29-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	16-Oct-20 16-Oct-20 17-Oct-20 18-Oct-20 18-Oct-20 19-Oct-20 19-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 21-Oct-20	6.20 6.88 5.93 6.07 6.20 6.74 7.01 6.47 5.66 6.20 6.88		7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5
71 72 73 1 74 7 75 7 76 R-12, 77 T 78 7 79 T 80 R-4,Br 81 T	R-4 R-71 T1L&B R-71 R-6 2,New gudri T1L&B R-4 T1L13 Branch Road T1L&B	MR-2906 MR-2907 MR-2908 MR-2909 MR-2910 MR-2911 MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	OPC OPC OPC OPC OPC OPC OPC OPC OPC OPC	Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola	18-Sep-20 19-Sep-20 20-Sep-20 20-Sep-20 21-Sep-20 21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	25-Sep-20 26-Sep-20 26-Sep-20 27-Sep-20 28-Sep-20 28-Sep-20 29-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	16-Oct-20 17-Oct-20 18-Oct-20 18-Oct-20 19-Oct-20 19-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 21-Oct-20	6.88 5.93 6.07 6.20 6.74 7.01 6.47 5.66 6.20 6.88		7.5 7.5 7.5 7.5 7.5 7.5 7.5
72 73 1 74 1 75 1 76 R-12, 77 T 78 1 79 T 80 R-4,Br 81 T	R-71 T1L8B R-71 2,New gudri T1L8B R-4 T1L13 Branch Road T1L8B	MR-2907 MR-2908 MR-2909 MR-2910 MR-2911 MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	OPC OPC OPC OPC OPC OPC OPC OPC OPC	Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola	19-Sep-20 19-Sep-20 20-Sep-20 21-Sep-20 21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20 23-Sep-20	26-Sep-20 26-Sep-20 27-Sep-20 28-Sep-20 28-Sep-20 29-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	17-Oct-20 17-Oct-20 18-Oct-20 18-Oct-20 19-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 21-Oct-20	5.93 6.07 6.20 6.74 7.01 6.47 5.66 6.20 6.88		7.5 7.5 7.5 7.5 7.5 7.5
73 T 74	T1L8B R-71 R-6 2,New gudri T1L8B R-4 T1L13 Branch Road T1L8B	MR-2908 MR-2909 MR-2910 MR-2911 MR-2912 MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	OPC OPC OPC OPC OPC OPC OPC OPC	Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola	19-Sep-20 20-Sep-20 20-Sep-20 21-Sep-20 21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	26-Sep-20 27-Sep-20 27-Sep-20 28-Sep-20 28-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	17-Oct-20 18-Oct-20 18-Oct-20 19-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 21-Oct-20	6.07 6.20 6.74 7.01 6.47 5.66 6.20 6.88		7.5 7.5 7.5 7.5
74 75 76 R-12, 77 T 78 T 79 T 80 R-4,Br 81 T	R-71 R-6 2,New gudri TIL8B R-4 TIL13 Branch Road TIL8B	MR-2909 MR-2910 MR-2911 MR-2912 MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	OPC OPC OPC OPC OPC OPC OPC OPC	Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola	20-Sep-20 20-Sep-20 21-Sep-20 21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	27-Sep-20 27-Sep-20 28-Sep-20 29-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	18-Oct-20 18-Oct-20 19-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 21-Oct-20	6.20 6.74 7.01 6.47 5.66 6.20 6.88		7.5 7.5 7.5
75 R-12, 76 R-12, 77 T 78 7 79 T 80 R-4,Bit 81 T	R-6 2,New gudri T1L8B R-4 T1L13 Branch Road T1L8B	MR-2910 MR-2911 MR-2912 MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	OPC OPC OPC OPC OPC OPC OPC	Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola	20-Sep-20 21-Sep-20 21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	27-Scp-20 28-Sep-20 29-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	18-Oct-20 19-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 21-Oct-20	6.74 7.01 6.47 5.66 6.20 6.88		7.5 7.5
76 R-12, 77 T 78 79 T 80 R-4,Br 81 T	2,New gudri T1L8B R-4 T1L13 Branch Road T1L8B	MR-2911 MR-2912 MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	OPC OPC OPC OPC OPC OPC	Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola	21-Sep-20 21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	28-Sep-20 28-Sep-20 29-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	19-Oct-20 19-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 21-Oct-20	7.01 6.47 5.66 6.20 6.88	_	7.5 7.5
77 T 78	TIL8B R-4 TIL13 Branch Road TIL8B	MR-2912 MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	OPC OPC OPC OPC OPC	Chisang Khola Chisang Khola Chisang Khola Chisang Khola Chisang Khola	21-Sep-20 22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	28-Sep-20 28-Sep-20 29-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	19-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 21-Oct-20	7.01 6.47 5.66 6.20 6.88	_	7.5
78 79 T 80 R-4,Br 81 T	R-4 T1L13 Branch Road T1L8B	MR-2913 MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi Arghakhanchi	OPC OPC OPC OPC	Chisang Khola Chisang Khola Chisang Khola Chisang Khola	22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	28-Sep-20 29-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	19-Oct-20 20-Oct-20 20-Oct-20 20-Oct-20 21-Oct-20	6.47 5.66 6.20 6.88	-	
79 T 80 R-4,Br 81 T	T1L13 Branch Road T1L8B	MR-2914 MR-2915 MR-2916	Arghakhanchi Arghakhanchi Arghakhanchi	OPC OPC OPC	Chisang Khola Chisang Khola Chisang Khola	22-Sep-20 22-Sep-20 22-Sep-20 23-Sep-20	29-Sep-20 29-Sep-20 29-Sep-20 30-Sep-20	20-Oct-20 20-Oct-20 20-Oct-20 21-Oct-20	5.66 6.20 6.88		1.0
80 R-4,Br 81 T	Branch Road T1L8B	MR-2915 MR-2916	Arghakhanchi Arghakhanchi	OPC OPC	Chisang Khola Chisang Khola	22-Sep-20 22-Sep-20 23-Sep-20	29-Sep-20 29-Sep-20 30-Sep-20	20-Oct-20 20-Oct-20 21-Oct-20	6.20 6.88		7.5
81 T	T1L8B	MR-2916	Arghakhanchi	OPC	Chisang Khola Chisang Khola	22-Sep-20 23-Sep-20	29-Sep-20 30-Sep-20	20-Oct-20 21-Oct-20	6.88		7.5
					Chisang Khola	23-Sep-20	30-Sep-20	21-Oct-20			7.5
82 R-12,1	P,New gudri	MR-2917	Arghakhanchi	OPC							7.5
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INTERNA	TIONAL	ENGINE	ERING CO. I	TD	ENGINEE	DS & AD	HITECTO	DUTPVT.	LIDA	IND P	LUS
		AL ZULING			LIGHTEL	RS & ARC	MEDI	PLID, K	ATHM	ANDU	J,
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ecked By			Sullinitia	Day	G.					2	
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irendra Yadav			Contract Mar		Expert Qty Surv	eyor/CSE				n Leade	
i chura rauav	M .	_	Rabindra Kr. T	hakur H	I.K. Mandal/Raja	in Shrestha				h Chan	



ANNEX-4: SOCIAL& ENVIRONMENT SAFEGUARD

Monitoring Formats– September2020



social Facilities a Summary Month/Year: -Sep 2020 SITION ETHNIC COMPOSITION JANJATI DALIT MUSLIM MADHESI BRAHMI JANJATI DALIT MUSLIM MADHESI BRAHMI 31 21 41 136	MUSLIM 7 MUSLIM 21 41	DALIT MUSLIM 7 9 14 32 0 0 21 41	Social Safeguard Monitoring Inventory of Social Facilities Lebour Data Summary <u>Lebour Data Summary</u> <u>AMALE JANJATI DAUT MUSLIM</u> <u>A143 12 12 14 32</u> <u>143 12 12 31 21 41</u>	Social Safeguard Monitoring Inventory of Social Facilities Lebour Data Summary UR COMPOSITION UR OMPOSITION NSKILLED MALE 112 12 12 14 32 112 12 12 12 14 32 167 217 12 31 21 41
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<u>Environmental Monitoring Format</u> Regional Urban Development Project (RUDP)/Biratnagar

Name of Sub Project: RUDP/ Biratnagar

Contract Package: RUDP/ICB/BRT/02

Sub-project Component: - Road Lanes Improvement / Sewerage Drainage Month: Sep. 2020

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



	movement	pedestrians & traffic	
4.4	Use of private land and agreement with	movement	
5	land owners	Yes	
5.1	Air, Noise and Water Pollution Dust emission and Noise pollution sites	Water sprinkled by tanker on such sites.	
5.2	Water quality monitoring result and locations	ok	
5.3	Block age of natural drainages ,water logging, drain water discharge into farmland/risky areas	Not Applicable	
6	Quarrying of construction materials and Plants Installment		
6.1	Quarry/borrow operation sites	Not Applicable	
6.2	Crusher plant and Asphalt plant operation restoration	Asphalt Plant	
7	Impact/Disruption of Private properties		
7.1	Building structures	Not Applicable	
7.2	Other utilities	Not Applicable	
8	Impact/disruption of public infrastructures		
8.1	Irrigation canal	Not Applicable	
8.2	Water supply pipe	Not Applicable	
8.3	Access road		
8.4	Electric/Telephone pole	Not Applicable	
8.5	Others	Not Applicable	
9	Sites for cultural and religious values	Not Applicable	
9.1	Cultural and religious sensitive spots (if any)	Not Applicable	
10	Forest and vegetation		
10.1	Number of trees removal	00	
10.2	No of tree plantation (Roadside)	Not Applicable	
11	Accident cases and records	No any records	
12 12.1	Employment to local people	Yes, both men and	
12.1	Men and women	women	
12.2	Child labor (if any)	No	
13	Establishment of Safeguard desk and meeting	Yes	
14	Grievances from local people and addressed	Yes	

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

Subproject Road : -RUDP/ICB/BRT/2

Month/Year: Sep 2020

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

Contract Package: RUDP/ICB/BRT/2

S.N		Compliance Status					
		Full	Partial	None	Implementing Agency	Note of Remarks	Deadline
1	Availability of drinking water services	V					
2	Availability of toilet facility in campsite	V					
3	Legal source of fuel wood use			V			
4	Legal document of fuel wood source			V			
5	Use of safety accessories	V					
6	Availability of first aid facility	٧		7			*
7	Basic wage rate to construction workers	٧		- 200			
8	Equal wage rate to male and female workers		V				
-	Compensation of temporarily occupied land	V					
10	Compensation of temporarily occupied buildings	v					
11	Legal document of temporarily occupied assets	V				х	
	Non use of child labour in construction activities	V					
epare	ed by:	1	/erified by:	Standing RU	is and	Nonitored by:	



Biratna9

SN.	Name	Position	Contact No	Remarks
1 Ravindra kumar Thakur		СМ	9801159860	100 Mar
2 Dhirendra Yadav		Engineer	9801225283	
3	Randhir Singh	Engineer	9801159918	
4	Pradeep Yadav	Engineer	9801159896	51.980 Miles
5	Jibachha Sah	Engineer	9805932183	
6	Dhirendra yadav jr	Engineer	9805913881	
7	Aanand Rayamajhi	Engineer	9801157317	
8 Santosh Kr Lakandae		Engineer	9801159863	
9 Manoj kumar yadav		Engineer	9815714239	1.5.6.7.8.5
10 Rahul Kr Sharma		Sub-Engineer	9801159862	
11 Sudip Chaudhary		Surveyor	9801159859	
12	Gyanendra Tamang	Sub-Engineer	9811357918	
13	Sange Tamang	Sub-Engineer	9801159857	
14	Ramesh Shrestha	Sub-Engineer	9801157341	
15 Jitendra Yadav		Safety incharge	9801160166	
16	Kiran Chaudhary	SLT	9801225281	
17	Raj kr Mukhiya	LT		
18	Bishnu Hari Khanal	Chief Accountant	9801157314	"re-heard"
19	Jarman Nepal	Assistant Accountant	9801159919	
20	Narsingh Bhandari	Vehicle incharge	9801157318	11,516,151
21 Madan Bhattarai		Store Keeper	9801159634	Constant of Mary
22 Niraj Mandal		Supervisor	9801160169	
23	Rabin Mandal	Supervisor		

Contractors' Staff Name List



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Contractors' Equipments List

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

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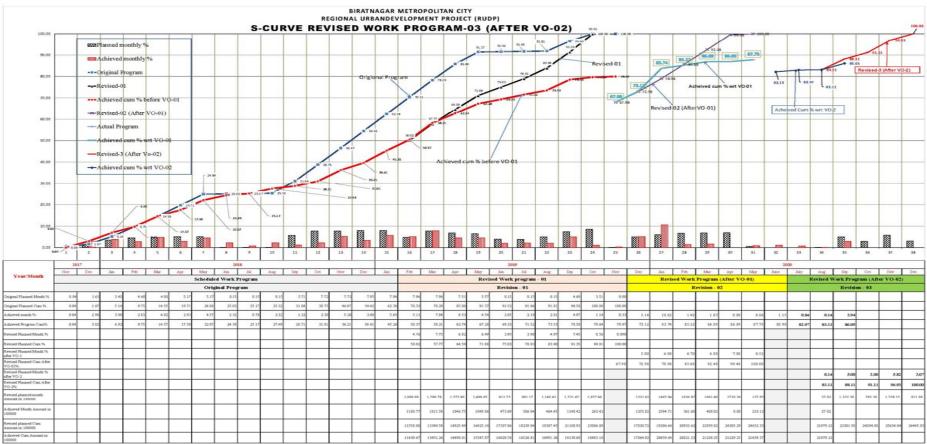
RUDI



ANNEX-5: 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-6: Master Plan of RUDP Project



