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## **Building Design Authority (P) Ltd**

in joint Venture with

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

## **Monthly Progress Report**

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



December 2019
Biratnagar Metropolitan City (BMC), Nepal

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### **EXECUTIVE SUMMARY**

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

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

### 1. PROJECT DESCRIPTION

### 1.1. INTRODUCTION/BACKGROUND

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

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

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



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

	General Features
Name of Project	Regional Urban Development Project(RUDP)
	Government of Nepal,
Executing Agency  Sunded By  Package  Contract No.  Cocation  Consultant  Date of Sign of Design and Supervision Consulting Service  Date of Commencement of Design and Supervision Consulting Service  Date of Completion  Contractor  Date of Agreement Made  Date of Completion (Scheduled)  Date of Completion (after EOT-1)  Contract Amount including PS and VAT (Corrected)  Contract Amount including PS and VAT (after VO-1)	Ministry of Urban Development
	Department of Urban Development and Building Construction (DUDBC)
Implementing Agency	Biratnagar Metropolitan City, Biratnagar
Funded By	Asian Development Bank & Government of Nepal
Package	Construction and Completion of Sewerage, Drainage, Road, Footpath and Road furniture works
Contract No.	RUDP/ICB/BRT/2
Location	Biratnagar Metropolitan City, Biratnagar
Consultant	Building Design Authority (P) LTD in Joint Venture With B.N. consultancy Pvt and PLUS Engineers and Architects (P) Ltd Kathmandu.
Date of Sign of Design and Supervision Consulting Service	28th August 2017
Date of Commencement of Design and Supervision Consulting Service	6th September 2017
Date of Completion	5th September 2020
Contractor	ZHONGHENG Construction Group International Engineering Co Ltd. Beijing, China.
Date of Agreement Made	10 <sup>th</sup> October 2017
Date of Commencement	2 <sup>nd</sup> November 2017
Date of Completion (Scheduled)	1 <sup>st</sup> November 2019
Date of Completion (after EOT-1)	18 <sup>th</sup> May 2020
Contract Amount including PS and VAT	NRs. 2,611,092,249.63
Contract Amount including PS and VAT (Corrected)	NRs. 2,611,088,390.60
Contract Amount including PS and VAT (after VO-1)	NRs. 2,760,853,674.59
Additional Financing 100% funded by BMC after VO-1 (provisional items)	NRs. 39,999,893.49



	General Features							
Progress	after VO-1							
Road Rehabilitation (Asphalt)	69.78%							
Sewer Line	99.46%							
Storm Drain	100.00%							
Road Side Drain	89.28%							
Integrated Solid Waste Management (ISWM) Design	Inception Report as well as Stakeholder's Analysis, Communication Strategy and Consultation Plan for Integrated Solid Waste Management (ISWM) has already been submitted. Due to Socio Environment Problem, Progress of Integrated Solid Waste Management (ISWM) design has been hindered.							
Physical Progress up to date	With respect to Revised Work Program-01 (before VO-01): Planned: 100%, Actual: 85.40%; Lead(+) or Lag(-) by (-) 14.60% Lag With respect to Revised Work Program-02 (after VO-01): Planned: 72.98%, Actual: 73.12%; Lead (+) or Lag (-) by (-) 0.14% Lead.							
Financial Progress up to date (on the basis of IPC forwarded for disbursement)	In Percentage: 70.83%, In Figure: NRs. <b>1,955,384,063.81</b> (including VAT and PS) up to IPC –14 wrt to VO-1.  In Words: NRs. One Billion Nine Hundred Fifty Five Millions Three Hundred Eighty Four Thousand Sixty Three and Eighty One Paisa Only.							

# 3. SUMMARY OF PROGRESS STATUS OF ALL MAJOR COMPONENTS

S. No.	Description	Unit	Quantity as per VO-1	Progress up to date	Remaining	Progress Status expressed in (%) wrt VO- 1	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%	
c	Sewer Inlet	No.	1,010.00	627.00	383.00	62.08%	
d	House Connection	No.	3,784.00	1,576.00	2,208.00	41.65%	
	<u>-</u>						
2	Storm Water Drain						



S. No.	Description	Unit	Quantity as per VO-1	Progress up to date	Remaining	Progress Status expressed in (%) wrt VO- 1	Remarks
a	RCC Drain	m	585.00	585.00	-	100.00%	
b	Piles	No.	138.00	138.00	ı	100.00%	
3	Road						
a	Sub grade	m	66,718.00	53,226.93	13,491.07	79.78%	
b	Sub base	m	66,718.00	53,226.93	13,491.07	79.78%	
c	Base	m	66,718.00	48,987.98	17,730.02	73.43%	
d	Prime	m	66,718.00	46,559.11	20,158.89	69.78%	
e	Asphalt	m	66,718.00	46,559.11	20,158.89	69.78%	
		•					
4	Road Side Drain	m	35,424.00	31,626.69	3,797.31	89.28%	



### 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) and remaining part of sewer lines in T4 completed and T3 have been identified and necessary survey and construction works were performed, almost all the lines were completed except 100m length of secondary sewer lines of T3 east of Sanihat chowk.

Details of proposed sewer lines are as below: -



Table 1: PROPOSED ALL MAJOR COMPONENTS OF THE PROJECT

S. No.	Description	Unit	Original Quantity	Quantity after VO-1
1	Sewerage Pipe Supply and Installation	m	20,082.00	18,559.80
	Reinforced Concrete Pipe laying and jointing		2241.00	1,967.50
	Line T2 (Secondary)	m	206.00	205.00
	Line T3 (Trunk)	m	1905.00	1,632.50
	Line T4 (Trunk)	m	130.00	130.00
	HDPE laying and jointing	m	17,841.00	16,592.30
	Line T1 (Secondary)	m	1,825.00	1,743.20
	Line T2 (Secondary)	m	3,927.00	3,153.40
	Line T3 (Secondary)	m	9,997.00	9,643.80
	Line T4 (Secondary)	m	2,092.00	2,051.90
2	Manhole ( Brick / RCC)	no.	685.00	606.00
3	Sewer Inlet	no.	1,010.00	1,010.00
4	House Connection	no.	3,784.00	3,784.00
5	Reinstatement of Roads	km	73.86	66.718
6	Road side Drain	Km	26.05	35.424
7	Storm Water Drain	m	652.8	585.00

**Table: - 2 PHYSICAL PROGRESS IN SEWER LINES till date** 

		Quantity as	per VO-01	Up to Pr	e Month	This month		Total to date		Progress
SN	Description	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	%
Hur	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 (m)		1,967.50	35.00	1,967.50	35.00			1,967.50	35.00	
HD	PE Pipe:					l				
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	333.00		5.00	9,543.80	338.00	
4	HDPE (T4)	2,051.90	56.00	2,051.90	56.00			2,051.90	56.00	
Sub	total in (m)	16,592.30	571.00	16,492.30	564.00		5.00	16,492.30	569.00	



SN	Description	Quantity as per VO-01		Up to Pre Month		This month		Total to date		Progress
		Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	% %
Tota	nl	18,559.80	606.00	18,459.80	599.00	-	5.00	18,459.80	604.00	99.46%

SN	Description	Quantity as per VO-01 (Nos.)	Up to Pre Month	This month	Total to date	Progress %
1	Sewer inlet	1,010.00	604.00	23.00	627.00	62.08
2	House connection	3,784.00	1,491.00	85.00	1,576.00	41.65



### 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:

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

	Name of Drain			Length of				
S			Revised	Prog	ress		Covered Drain in m	
N		Original	after VO-1 Previous		This Month	Cumulative	Type- RCC, Closed	Remarks
1	CN2- CN3(Chyan ghBaariNala )	652.89	585.00	585.00		585.00	585.00	100% Completed
2	CN2- CN3(Chyan ghBaariNala )	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 73.86 km. Some of the roads of the project has been completed and some of them are in the process of being upgraded.

Out of 73.86 km. about 53.226 Km. has been attempted for Sub Base but due to start unseasonal monsoon, asphalt work is delaying.

About 46.559 km. asphalt work is completed. The summary of physical progress is presented below: -



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

			Length in m			Work Completed					
SN	Road	Name of				Sub-base	Base	Asphalt	RCC	Paint	Remarks
	Number	Road	Previous (Revised)	This Month	Total	m	m	m	m	m	Rem
1	R42	Bhagwati Marg	218.00	11.00	229.00	229.00	229.00	229.00			
2	R5	College Road	650.00		650.00	650.00	544.50	544.50			
3	R5	Chulachuli Road	230.00	(34.00)	196.00	196.00	196.00	196.00			
4	R5			191.60	191.60	191.60	191.60	191.60			
5	B2	Gauri Shankar Marg	2,152.00		2,152.00	2,152.00	2,152.00	2,152.00	210.00		
6	R65	Satghumti Marg	320.00		320.00	320.00	320.00				
7	R107		215.00		215.00	215.00	215.00	174.00			
8	R107 a		50.00		50.00	50.00	49.00	49.00			
9	R104	VIP Marg	273.00	8.15	281.15	281.15	281.15	281.15			
10	R8	Madhumara Marg	600.00	(46.95)	553.05	553.05	553.05	553.05			



				Length in m	l		Work Complete	d			
SN	Road	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	Remarks
	Number	Road	Previous (Revised)	This Month	Total	m	m	m	m	m	Rem
11	B1	Kanchan Marg	1,173.00		1,173.00	1,173.00	1,106.00	1,106.00		1,106.00	
12	R21	Pratibha Marg	1,330.00	37.10	1,367.10	1,367.10	1,367.10	1,367.10		1,012.80	
13	В3	Keshaliya Marg	1,574.00	53.75	1,627.75	1,627.75	1,627.75	1,627.75			
14	S13		1,617.00	70.30	1,687.30	1,687.30	1,687.30	1,687.30		1,812.60	
15	R12		880.00		880.00	880.00	880.00	740.00			
16	R12	Kanchha Dai Marg	900.00		900.00	900.00	900.00	289.50			
17	Rani site	Rani	4,023.00	(727.40)	3,295.60	3,295.60	3,295.60	3,295.60			
18	R16	Satya Marg	604.00		604.00	604.00	604.00	554.90			
19	R26	Pasang Marg	654.00	(56.00)	598.00	598.00	598.00	598.00			
20	R28	Pustakalaya Marg	635.00		635.00	635.00	621.20	539.20			
21	R27	Peepal Marg	734.32	(132.72)	601.60	601.60	601.60	601.60		639.20	



		Length in m			ı		Work Complete	d			
SN	Road	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
	Number	Road	Previous (Revised)	This Month	Total	m	m	m	m	m	Remarks
22	R25	Devi Marg	580.00		580.00	580.00	580.00	566.80			
23	R24	Prabhat Marg	518.15		518.15	518.15	518.15	518.15			
24	R37	Banglamukhi Marg	477.00		477.00	477.00	477.00	477.00			
25	R7	Manakamana Marg	542.00		542.00	542.00	542.00	542.00			
26	R7	in between R18 to R27	400.00		400.00	400.00	400.00	400.00			
27	R30	Shanti Marg	123.10	106.40	229.50	229.50	229.50	229.50			
28	R9	Fadindra Marg	119.00		119.00	119.00	119.00	119.00			
29	R9		230.00		230.00	230.00	230.00	140.00			
30	S11	Samrat Marg	660.00		660.00	660.00	504.60	504.60		504.60	
31	R22	Amar Marga	367.65		367.65	367.65	367.65	367.65			
32	R29	Shanti Marg				838.70					



				Length in m			Work Complete	d			
SN	Road	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
	Number	Road	Previous (Revised)	This Month	Total	m	m	m	m	m	Remarks
			684.70	154.00	838.70		838.70	838.70		585.60	
33	R36	Gaurav Marg	220.00	2.00	222.00	222.00	222.00	222.00		440.00	
34	R33	Tarun Marg	280.00	3.00	283.00	283.00	283.00	283.00			
35	R64	Satya Narayan Marg	121.00		121.00	121.00	121.00	-			
36	R8		225.00		225.00	225.00	225.00	225.00			
37	N36		190.00		190.00	190.00	186.95	186.95			
38	R188	Shakti Marg	120.00	(4.00)	116.00	116.00	116.00	116.00			
39	R2	Main Road	2,800.00		2,800.00	2,800.00	2,604.70	2,604.70		350.00	
40	T3 Line 6A	Pandit Meghnath Marg	220.00	59.00	279.00	279.00	279.00	279.00			
41	T2 Line 24C	Nava Jyoti Marg	205.00		205.00	205.00					
42	T2 Line 24D	Nava Jyoti Marg	210.00		210.00	210.00					



				Length in m	ı		Work Complete	d			
SN	Road	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
	Number	Road	Previous (Revised)	This Month	Total	m	m	m	m	m	Remarks
43	R63 (DSP Road)	DSP Road	420.00	4.24	424.24	424.24	424.24	424.24			
44	R90	Shakti Marg	320.00	130.00	450.00	450.00	450.00	450.00		640.00	
45	R77	Arniko Marg	80.00	7.20	87.20	87.20	87.20	87.20			
46	R76	Mitra Marg	270.00		270.00	270.00	270.00	270.00		541.20	
47	R183	Nava Jyoti Marg	240.00		240.00	240.00	220.00	220.00			
48	T1 L16B	Xenial Front	210.00		210.00	210.00	205.00	205.00			
49	T1L16A	Xenial South	180.00		180.00	180.00	180.00	180.00			
50	R114	Dharanidhar Marg	560.00		560.00	560.00	560.00	560.00		560.00	
51	R113	Kavi Lekh Marg	740.00		740.00	740.00	740.00	740.00			
52	R5a		54.70		54.70	54.70	54.70	54.70			
53	R3	Dharamban Marg	2,383.00		2,383.00	2,383.00	2,383.00	2,150.30		2,080.30	



				Length in m	1		Work Complete	d			
SN	Road	Name of	Prog	gress		Sub-base	Base	Asphalt	RCC	Paint	arks
	Number	Road	Previous (Revised)	This Month	Total	m	m	m	m	m	Remarks
54	R3 - under STIUEIP	Tinpaini to Puspalal chowk	-		-	-				4,000.00	
55	R78	Sombare - Highway	92.00		92.00	92.00	92.00	92.00			
56	R84	West of school	473.20		473.20	473.20	236.00	236.00			
57	R84			93.60	93.60	93.60	93.60	93.60			
58	R85	Machha Line	160.00		160.00	160.00	160.00	160.00			
59	R87	Mahabir Chowk	148.00	6.00	154.00	154.00	154.00	154.00			
60	R86	Petrol pump side -R12	200.00		200.00	200.00	191.00	191.00			
61	R11	R18/R86	281.00		281.00	281.00	205.00	205.00			
62	N3	Jatuwa	117.00	5.00	122.00	122.00	122.00	122.00			
63	N4	Jatuwa	168.00		168.00	168.00	168.00	168.00			
64	R10	Ram Marga				292.00					



				Length in m	1		Work Complete	d			
SN	Road	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
	Number	Road	Previous (Revised)	This Month	Total	m	m	m	m	m	Remarks
			292.00		292.00		292.00	292.00		853.20	
65	R10	R35 to R21		393.00	393.00	393.00	393.00	393.00			
66	T2L26F	APF	55.00		55.00	55.00					
67	T2L27		80.00		80.00	80.00	80.00	80.00			
68	R122		265.55		265.55	265.55	265.55	265.55		497.40	
69	N9		220.42		220.42	220.42	220.42	220.42			
70	R17		365.00	8.00	373.00	373.00	373.00	373.00		730.00	
71	R18		370.00	17.00	387.00	387.00	387.00	387.00			
72	N2		105.84		105.84	105.84	105.84				
73	T3L6	Moti marga	170.00		170.00	170.00	170.00	170.00			
74	T3L6	Elite club - CDO Office	107.00		107.00	107.00					



				Length in m	1		Work Complete	d			
SN	Road	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
	Number	Road	Previous (Revised)	This Month	Total	m	m	m	m	m	Remarks
75	T3L6	Balmandir - Ganesh Mandir	380.00		380.00	380.00					
76	T3L6	CDO Office front	49.40		49.40	49.40					
77	T3L6A	Golchha Marga	220.00		220.00	220.00	220.00	220.00			
78	T3L23	Madhumara road	541.00		541.00	541.00	541.00	541.00		358.40	
79	R45	Bata road	505.00		505.00	505.00	315.00	315.00			
80	T3L21		400.00		400.00	400.00	400.00	400.00		774.00	
81	N5	R16 to R18	70.00	1.00	71.00	71.00	71.00	71.00		122.00	
82	T3L39		400.00		400.00	400.00	245.80	245.80		491.00	
83	T3L39A		130.00	(41.00)	89.00	89.00	89.00	89.00		179.40	
84	T3L39B		80.00	(20.00)	60.00	60.00	60.00	60.00		117.60	
85	T3L39C					100.00					



				Length in m	ı		Work Complete	d			
SN	Road	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
	Number	Road	Previous (Revised)	This Month	Total	m	m	m	m	m	Remarks
			100.00		100.00						
86	R68 - T2L24G		220.00		220.00	220.00	220.00	218.00			
87	N10		194.00		194.00	194.00	194.00	194.00			
88	T3L24C		170.00		170.00	170.00					
89	T3L9		278.00		278.00	278.00					
90	R6		1,228.20		1,228.20	1,228.20	1,228.20	1,228.20			
91	N24		136.00	(20.00)	116.00	116.00	116.00	116.00			
92	R31		188.70		188.70	188.70	188.70	188.70			
93	Bindabasini Marga		352.28		352.28	352.28	352.28	352.80			
94	Bhattimode to Hartalihaat		166.50		166.50	166.50	166.50	166.50			
95	R73					217.00					



				Length in m	1		Work Complete	d			
SN	Road	Name of	Prog	gress		Sub-base	Base	Asphalt	RCC	Paint	arks
	Number	Road	Previous (Revised)	This Month	Total	m	m	m	m	m	Remarks
			217.00		217.00		217.00	217.00			
96	R6 (R41- R44)	Bata Galli	269.00		269.00	269.00	269.00	269.00			
97	R6		280.00	1,042.00	1,322.00	1,322.00	1,322.00	1,322.00			
98	R6	Pratibha chowk to N2	510.80		510.80	510.80	510.80	510.80			
99	R9 (R41- R7)		194.80		194.80	194.80	194.80	194.80			
100	R44	Thakurbari Road	482.50		482.50	482.50	482.50	357.50			
101	R102	Main	140.00		140.00	140.00	140.00	140.00			
102	R102	Branch	71.30		71.30	71.30	71.30	71.30			
103	R103		170.40		170.40	170.40	170.40	170.40			
104	R32		188.00		188.00	188.00	188.00	188.00			
105	T2L18Y		116.20		116.20	116.20	116.20	116.20			



				Length in m	1		Work Complete	d			
SN	Road	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
	Number	Road	Previous (Revised)	This Month	Total	m	m	m	m	m	Remarks
106	R20		108.00		108.00	108.00	108.00	108.00			
107	R82	Everest School	530.00		530.00	530.00	530.00	530.00			
108	T1L5		140.00		140.00	140.00	140.00	140.00			
109	T1L5A		533.50		533.50	533.50	533.50	533.50			
110	T3L23C	Jay Nepal	272.20		272.20	272.20	65.20	65.20			
111	T3L23C	North to Jay Nepal		82.90	82.90	82.90	82.90	82.90			
112	T3L25B		195.00		195.00	195.00					
113	T3L25C		140.00		140.00	140.00					
114	R3	T3 Trunk	465.00		465.00	465.00	370.00				
115	Nagmandir to R3		55.00		55.00	55.00	55.00	55.00			
116	R4		220.00		220.00	220.00					



				Length in m	ľ		Work Complete	d			
SN	Road	Name of	Prog	gress		Sub-base	Base	Asphalt	RCC	Paint	Remarks
	Number	Road	Previous (Revised)	This Month	Total	m	m	m	m	m	Rem
117	R75		130.00	13.50	143.50	143.50	143.50	143.50			
118	R43		250.00	79.40	329.40	329.40	329.40	329.40			
119	T219P		124.80		124.80	124.80	124.80	124.80			
120	T219Q		113.70		113.70	113.70	113.70	113.70			
121	R106		130.00		130.00	130.00	120.90				
122	T3L12		80.00		80.00	80.00	50.90	50.90			
123	R46		340.00		340.00	340.00					
124	T3L11E		180.00	(55.45)	124.55	124.55	124.55	124.55			
125	T3L13D		70.00		70.00	70.00					
126	T3L13C		100.00		100.00	100.00	100.00	100.00			
127	R34		157.00		157.00	157.00	157.00	157.00			



				Length in m	1		Work Complete	d			
SN	Road	Name of	Prog	ress		Sub-base	Base	Asphalt	RCC	Paint	arks
	Number	Road	Previous (Revised)	This Month	Total	m	m	m	m	m	Remarks
128	T3L13E		80.00		80.00	80.00	65.00	65.00			
129	T3L13K		154.00		154.00	154.00	75.90	75.90			
130	R19		247.00		247.00	247.00	228.00	228.00			
131	R41		540.00		540.00	540.00	540.00	540.00			
132	R9B		90.00		90.00	90.00	90.00	83.85			
133	R67		119.40		119.40	119.40	119.40	119.40			
134	R74		100.00		100.00	100.00	100.00	100.00			
135	R9A		109.00		109.00	109.00	109.00	109.00			
136	T2L19F		120.00		120.00	120.00	117.20	117.20			
137	T3L7A		190.00		190.00	190.00	158.00	158.00			
	Total		50,971.31	1,441.62	53,226.93	53,226.93	48,987.98	46,559.11	210.00	18,395.30	



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

			Progress in m					
Road Number	Type*	Previous	This Month	Cumulative	Length (m)	Avg. Breadth (m)	Quantity (m <sup>2)</sup>	Remarks
R2	Precast block	602.00		602.00	602.00	1.10	662.20	RHS
R2	Precast block	602.00		602.00	602.00	1.10	662.20	LHS
R29	Precast block	330.00		330.00	330.00	0.90	297.00	RHS
R29	Precast block	330.00		330.00	330.00	0.90	297.00	LHS
R28	Precast block	322.00		322.00	322.00	0.90	289.80	RHS
R28	Precast block	335.00		335.00	335.00	0.90	301.50	LHS
R28	Precast block	341.00		341.00	341.00	0.90	306.90	RHS
R21	Precast block	365.00		365.00	365.00	1.00	365.00	RHS
R21	Precast block	765.00		765.00	765.00	1.00	765.00	LHS
R78	Precast block	75.00		75.00	75.00	1.20	90.00	RHS
R78	Precast block	75.00		75.00	75.00	1.20	90.00	LHS
R77	Precast block	115.00		115.00	115.00	0.90	103.50	RHS
R77	Precast block	115.00		115.00	115.00	0.90	103.50	LHS
R76	Precast block	275.00		275.00	275.00	0.95	261.25	RHS
R76	Precast block	275.00		275.00	275.00	0.95	261.25	LHS
R75	Precast block	160.00		160.00	160.00	0.95	152.00	RHS
R75	Precast block	160.00		160.00	160.00	0.95	152.00	LHS
	R2 R29 R29 R28 R28 R28 R21 R21 R78 R77 R76 R76 R76 R75	R2 Precast block R29 Precast block R29 Precast block R29 Precast block R28 Precast block R28 Precast block R28 Precast block R21 Precast block R21 Precast block R71 Precast block R78 Precast block R78 Precast block R78 Precast block R78 Precast block R77 Precast block R77 Precast block R76 Precast block R76 Precast block R77 Precast block	Number         Type* block         Previous           R2         Precast block         602.00           R2         Precast block         602.00           R29         Precast block         330.00           R29         Precast block         322.00           R28         Precast block         322.00           R28         Precast block         341.00           R21         Precast block         365.00           R21         Precast block         765.00           R78         Precast block         75.00           R78         Precast block         115.00           R77         Precast block         115.00           R76         Precast block         275.00           R76         Precast block         275.00           R75         Precast block         160.00	Road Number         Type*         Previous         This Month           R2         Precast block         602.00           R2         Precast block         602.00           R29         Precast block         330.00           R29         Precast block         330.00           R28         Precast block         322.00           R28         Precast block         335.00           R28         Precast block         341.00           R21         Precast block         765.00           R71         Precast block         75.00           R78         Precast block         75.00           R77         Precast block         115.00           R76         Precast block         275.00           R75         Precast block         275.00           R75         Precast block         160.00	Road Number         Type*         Previous         This Month         Cumulative           R2         Precast block         602.00         602.00           R2         Precast block         602.00         602.00           R29         Precast block         330.00         330.00           R29         Precast block         330.00         322.00           R28         Precast block         322.00         322.00           R28         Precast block         341.00         341.00           R21         Precast block         365.00         365.00           R21         Precast block         765.00         765.00           R78         Precast block         75.00         75.00           R78         Precast block         115.00         115.00           R77         Precast block         275.00         275.00           R76         Precast block         275.00         275.00           R75         Precast block         160.00         160.00	Road Number         Type*         Previous         This Month         Cumulative         Length (m)           R2         Precast block         602.00         602.00         602.00         602.00           R2         Precast block         330.00         330.00         330.00         330.00           R29         Precast block         330.00         330.00         330.00         330.00           R28         Precast block         322.00         322.00         322.00         322.00           R28         Precast block         335.00         335.00         335.00         341.00           R21         Precast block         365.00         365.00         365.00         365.00           R21         Precast block         75.00         75.00         75.00         75.00           R78         Precast block         75.00         75.00         75.00         115.00           R77         Precast block         275.00         275.00         275.00         275.00           R76         Precast block         275.00         275.00         275.00         275.00           R75         Precast block         275.00         275.00         275.00         275.00	Road Number         Type*         Previous         This Month         Cumulative         Length (m)         Avg. Breadth (m)           R2         Precast block block         602.00         602.00         602.00         1.10           R2         Precast block block         330.00         330.00         330.00         330.00         0.90           R29         Precast block slock         332.00         322.00         322.00         0.90           R28         Precast block slock slock slock         335.00         335.00         335.00         0.90           R28         Precast block slock	Road Number         Type*         Previous         This Month         Cumulative         Length (m)         Avg. Breadth (m)         Quantity (m²)           R2         Precast block         602.00         602.00         602.00         1.10         662.20           R2         Precast block         602.00         602.00         602.00         1.10         662.20           R29         Precast block         330.00         330.00         330.00         0.90         297.00           R28         Precast block         330.00         322.00         322.00         0.90         289.80           R28         Precast block         335.00         335.00         335.00         0.90         289.80           R28         Precast block         341.00         341.00         341.00         0.90         301.50           R28         Precast block         341.00         341.00         341.00         0.90         306.90           R21         Precast block         765.00         765.00         765.00         1.00         765.00           R78         Precast block         75.00         75.00         75.00         1.20         90.00           R77         Precast block         115.00         115.00



				Progress in	m		Footpath			
SN	Road Number	Type*	Previous	This Month	Cumulative	Length (m)	Avg. Breadth (m)	Quantity (m <sup>2)</sup>	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	ı m		Footpath		
SN	Road Number	Type*	Previous	This Month	Cumulative	Length (m)	Avg. Breadth (m)	Quantity (m <sup>2)</sup>	Remarks
36	В3	Precast block	670.00		670.00	670.00	0.70	469.00	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	250.00		250.00	250.00	1.10	275.00	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



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

SN	Description	Unit	Proposed	Total Up to Previous Month	This Month	Total Up to this Month	Progress wrt VO-01
1	Subgrade	m	73,860.00	52,305.31	921.62	53,226.93	79.78%
2	Sub Base	m	73,860.00	52,076.21	1,150.72	53,226.93	79.78%
3	Base	m	73,860.00	47,238.66	1,749.32	48,987.98	73.43%
4	Prime/Tack	m	73,860.00	39,914.40	6,644.71	46,559.11	69.78%
5	Asphalt	m	73,860.00	39,914.40	6,644.71	46,559.11	69.78%



### 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:

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

				Length in (m)		Work Com	pleted	
SN	Road Number	Name of Road	Prog	gress		Brick RCC		Remarks
			Previous (Revised)	This Month	Total	m	m	Rem
1	B1	Kanchan Marg	90.00		90.00	90.00		
2	R29	Shanti Marg	256.52		256.52	256.52		
3	N36		185.88		185.88	185.88		
4	R8		219.83		219.83	219.83		
5	R7	Devi Marg and Pipal Marg	149.58		149.58	149.58		
6	R63	DSP Road	418.79		418.79	418.79		
7	R9	Baglamukhi path	103.20		103.20	103.20		
8	S13	Udaya Marga	158.10		158.10	158.10		
9	N33		70.00		70.00	70.00		
10	R28	Pustakalaya Marg	278.00		278.00	278.00		
11	R90	Shakti Marg	313.25		313.25	313.25		
12	R114	Dharanidhar Marg	312.33		312.33	312.33		
13	R11	Om Shiv Marg	225.17			225.17		



				Length in (m)		Work Com	pleted	
SN	Road Number	Name of Road	Prog	gress		Brick	RCC	Remarks
			Previous (Revised)	This Month	Total	m	m	Rem
					225.17			
14	R18		381.50		381.50	381.50		
15	R17		75.00		75.00	75.00		
16	R113	Kavi Lekhnath Marg	72.45		72.45	72.45		
17	R77	Arniko Marg	80.00		80.00	80.00		
18	R76	Mitra Marg	270.00		270.00	270.00		
19	N9	Devi Marga	22.70		22.70	22.70		
20	N4		146.38		146.38	146.38		
21	R33	Tarun Marg	264.48		264.48	264.48		
22	R36	Gaurav Marg	216.45		216.45	216.45		
23	R86	Janpath Marg	187.55		187.55	187.55		
24	R183	Nava Jyoti Marg	211.05		211.05	211.05		
25	R7a		65.00		65.00	65.00		
26	Rani site	Rani B	530.00		530.00	530.00		
27	Rani site	Rani A	270.00		270.00	270.00		
28	N3		110.00		110.00	110.00		
29	N5		65.00			65.00		



				Length in (m)		Work Com	pleted	
SN	Road Number	Name of Road	Prog	gress		Brick	RCC	Remarks
			Previous (Revised)	This Month	Total	m	m	Rem
					65.00			
30	R21	Binayak Marga	388.25		388.25	388.25		
31	R2	Main Road	2,092.50	90.00	2,182.50	2,182.50		
32	T1L16B	Xenial Front	205.68		205.68	205.68		
33	T1L16A	Xenial South	150.20		150.20	150.20		
34	R75	Tintoliya Marga	127.50		127.50	127.50		
35	R122	Amar Marga	250.48		250.48	250.48		
36	R18 Branch		30.00		30.00	30.00		
37	R7(b) (Neuro to sidhartha chowk)	Siddhartha Marga	330.00		330.00	330.00		
38	R12	Sukra Path	290.00		290.00	290.00		
39	R42	Jahada Marga	171.00		171.00	171.00		
40	R6	Shahi Marg	760.00		760.00	1	760.00	
41	R21(a)	DharamBadh Junction	80.00		80.00	80.00		
42	R78	Binayak Marga	70.00		70.00	70.00		
43	R188	Shakti Marg	115.60		115.60	115.60		
44	R40	Brahma Kumari Marga	350.00		350.00	350.00		
45	Rani Site C		97.50			97.50		



				Length in (m)		Work Com	pleted	
SN	Road Number	Name of Road	Prog	gress		Brick	RCC	Remarks
			Previous (Revised)	This Month	Total	m	m	Rem
					97.50			
46	Ranit Site D		131.45		131.45	131.45		
47	T3L21	Moti Marga	385.95		385.95	385.95		
48	T3L39	Gaheli Marga	340.00		340.00	340.00		
49	T3 Line 39A		90.00		90.00	90.00		
50	T3 L39B		90.00		90.00	90.00		
51	T2L27	Bhumi Prashasan Junction	79.50		79.50	79.50		
52	T4 Line 1	Sailesh Marg	100.00		100.00	100.00		
53	N2		95.00		95.00	95.00		
54	T2 Line 26E	College Road	90.00		90.00	90.00		
55	T2 Line 18C	Maisthan Marga	102.00		102.00	102.00		
56	T2Line 18A	Makalu Marga	60.00		60.00	60.00		
57	R6 (T3L11i)		247.50		247.50	247.50		
58	R9 (T3L11k)	Tathasthu Marga	180.00		180.00	180.00		
59	R45 (T3Line10D)	Dadhiram Marga	260.00		260.00	260.00		
60	R9, T2 L19	Fanindra Marga	380.00		380.00	380.00		



				Length in (m)		Work Com	pleted	
SN	Road Number	Name of Road	Prog	gress		Brick	RCC	Remarks
			Previous (Revised)	This Month	Total	m	m	Rem
61	R7c (Neuro to Shanti Chowk	Siddhartha Marga	305.00		305.00	305.00		
62	R84	School Marga	663.00		663.00	663.00		
63	R85	Lekhanath Marga	150.00		150.00	150.00		
64	R87	Byas Marga	150.00		150.00	150.00		
65	Rani B (Bus park)		90.00		90.00	90.00		
66	R8(a)	Madhumara Marg	285.00		285.00	285.00		
67	T3L23A		280.00		280.00	280.00		
68	Rani E		85.00		85.00	85.00		
69	R102	Hamro Marg	132.50		132.50	132.50		
70	R10/R10a	Ram Marga	940.36		940.36	940.36		
71	N10	APF	150.00		150.00	150.00		
72	R23	Bani Marg	200.00		200.00	200.00		
73	R103	Vibuti Marga	162.50		162.50	162.50		
74	T3L6	Sahid Marga	350.00		350.00	350.00		
75	P1, T3L6A	Pandit Meghnath Marga	260.00		260.00	260.00		
76	T2 L24C & D	Hanuman Das Marga	130.00	35.00	165.00	165.00		



				Length in (m)		Work Com	pleted	
SN	Road Number	Name of Road	Prog	gress		Brick	RCC	Remarks
			Previous (Revised)	This Month	Total	m	m	Rem
77	R99	APF	187.00		187.00	187.00		
78	T2 L25		300.00		300.00	300.00		
79	R20		60.00		60.00	60.00		
80	T2L24F		60.00		60.00	60.00		
81	R105		150.00		150.00	150.00		
82	R34	Prabhu Marg	158.35		158.35	158.35		
83	R35	Garima Marg	138.00		138.00	138.00		
84	R107		160.00		160.00	160.00		
85	T3L13D		70.63		70.63	70.63		
86	T3L13E		62.40		62.40	62.40		
87	T3L11E		110.00		110.00	110.00		
88	B2		76.50		76.50	76.50		
89	R78		35.00		35.00	35.00		
90	R7b	in between R26 & R27	288.50		288.50	288.50		
91	T3L21A		25.00		25.00	25.00		
92	R74		96.00		96.00	96.00		



				Length in (m)		Work Com	pleted	
SN	Road Number	Name of Road	Prog	gress		Brick	RCC	Remarks
			Previous (Revised)	This Month	Total	m	m	Rem
93	R46		120.00	112.00	232.00	232.00		
94	R101		160.00		160.00	160.00		
95	T3L7A		125.00		125.00	125.00		
96	T3L8		75.00		75.00	75.00		
97	R20		100.00		100.00	100.00		
98	R5		200.00	74.00	274.00	274.00		
99	R67		110.00		110.00	110.00		
100	R82		350.00		350.00	350.00		
101	T1L13A		100.00		100.00	100.00		
102	T1L14A		150.00		150.00	150.00		
103	R68		200.00		200.00	200.00		
104	T3L22A		335.00		335.00	335.00		
105	T3L22B		120.00		120.00	120.00		
106	T3L25C		130.00		130.00	130.00		
107	T3L11B		60.00		60.00	60.00		
108	T3L11M		50.00		50.00	50.00		



				Length in (m)		Work Com	pleted	
SN	Road Number	Name of Road	Prog	gress		Brick	RCC	Remarks
			Previous (Revised)	This Month	Total	m	m	Rem
109	R106		70.00		70.00	70.00		
110	R41		520.00		520.00	520.00		
111	T2L19B		110.00		110.00	110.00		
112	R30		180.00		180.00	180.00		
113	T3L13C		225.00		225.00	225.00		
114	T3L13J		72.53		72.53	72.53		
115	T2L18Y		100.00		100.00	100.00		
116	T2L19P		114.38		114.38	114.38		
117	T2L19Q		126.55		126.55	126.55		
118	R9A		208.73		208.73	208.73		
119	R9B		25.00		25.00	25.00		
120	T3L7	Sahid Marga	355.00		355.00	355.00		
121	T2L18K		40.00		40.00	40.00		
122	T3L23C		105.00		105.00	105.00		
123	T2L24E	Mahabir Marga	60.00		60.00	60.00		
124	R44		390.00		390.00	390.00		



				Length in (m)		Work Com	pleted	
SN	Road Number	Name of Road	Prog	gress		Brick	RCC	Remarks
			Previous (Revised)	This Month	Total	m	m	Rem
125	R110		150.00		150.00	150.00		
126	Parichaya Marga		130.00		130.00	130.00		
127	T3L25B		200.00		200.00	200.00		
128	T1L5, 5A		590.00		590.00	590.00		
129	R82		110.00		110.00	110.00		
130	T2L19Y		150.00		150.00	150.00		
131	T3 Trunk	Tinpaini to Devkota Chowk	1,140.00	35.00	1,175.00	1,175.00		
132	T2L19F		55.00		55.00	55.00		
133	T2L18D		20.00		20.00	20.00		
134	R19		175.00		175.00	175.00		
135	R83	Shiva Marga	125.00		125.00	125.00		
136	T310B, T3L7D (R46)	Rangeli Road	400.00		400.00	400.00		
137	T2L19G		60.00		60.00	60.00		
138	R4 (T2 Trunk)	Jatuwa Marga	130.00	56.00	186.00	-	186.00	
139	T3L22	Rangeli Road	70.00		70.00	70.00		
140	T3L25B, Outlet	Madhumara	96.00		96.00	96.00		



				Length in (m)		Work Com	pleted	
SN	Road Number	Name of Road	Prog	gress		Brick	RCC	Remarks
			Previous (Revised)	This Month	Total	m	m	Rem
141	T3L7B	Matrika Marga	75.00		75.00	75.00		
142	T3L5	Sanihat Marga	280.00		280.00	280.00		
143	T2L19X	Parichaya Marga	210.00		210.00	210.00		
144	T2L19H		75.00		75.00	75.00		
145	R181		150.00		150.00	150.00		
146	N38		150.00	15.00	165.00	165.00		
147	T3L10C	Paurakh Marga		110.00	110.00	110.00		
148	T3L10F			135.00	135.00	135.00		
149	T3L10			170.00	170.00	170.00		
150	R47 (T3L10A)	Matrika Marga		125.00	125.00	125.00		
151	R12	Kanchhadai Marga		200.00	200.00	200.00		
152	R8 (b)	Sahayogi Marga		65.00	65.00	65.00		
153	T1L7A	Piyush Marga		40.00	40.00	40.00		
154	R39	Maisthan Marga		50.00	50.00	50.00		
155	N7	Amar Marga		90.00	90.00	90.00		
156	N8	Amar Marga		120.00	120.00	120.00		



				Length in (m)		Work Com	70	
SN	Road Number	Name of Road	Prog	gress		Brick	RCC	Remarks
			Previous (Revised)	This Month	Total	m	m	Ren
157	R26	Amar Marga		140.00	140.00	140.00		
158	T3L25A	Bhakti Marga		137.50	137.50	137.50		
	Total		29,827.19	1,799.50	31,626.69	30,680.69	946.00	



### 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 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 camp is provided in annex.



### 3.2.3. PROVISION AND MAINTENANCE OF TOILETS

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

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

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 about 6Km south of the Biratnagar DSC office at a place called Rani.

### 3.2.6. OCCUPATIONAL HEALTH AND SAFETY MEASURES

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

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

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



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

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

### 3.3. SOCIAL ASPECT

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

### 3.4. SAFEGUARD/ GESI COMPONENT

### 3.4.1. COMMUNITY AWARENESS:

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

### 3.4.2. GRIEVANCE REDRESSES MECHANISM:

Although many grievances were received verbally, only 9 (Nine) grievances have been registered formally which have immediately been addressed and resolved. This month, some grievances for some stretches were received verbally and were addressed immediately. Refer semi - annual report for details.

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

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

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



working force.

# 3.4.4. STATUS OF SOCIAL AND ENVIRONMENTAL SAFEGUARD MEASURES

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

During the site visit for Socio Environment monitoring by DSC Environmental and Social Safeguard Expert on date1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> December, 2018 following issues were found. Social Safeguard revisited the site on 29<sup>th</sup>, 30<sup>th</sup> and 31<sup>st</sup> December.

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

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 pipe lines were ongoing at T3 Line21 and R181, etc. The supply has been providing temporarily as per site condition and where required. Relocation of electric poles in Rangeli road, near Tinpaini chowk in R2 & R3, R45 (Mahabir road) & R43 (Dharma path) are going on.

Table – 5: Status of Labor at Site

Labour	La	bour	Comp	osition	Ethnic composition					
class	Skilled	Unskilled	Male	Female	Janjati	Dalit	Muslim	Madhesi	Brahmin/ Chhetri	
Local	21	72	93	0	5	18	8	62	0	
Non local	74	279	328	25	56	58	25	214	0	
Indian	2	7	9	0	0	5	4	0	0	
TOTAL	97	358	430	25	61	81	37	276	0	



### 3.5. FINANCIAL PLAN

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

### 3.5.1. DISBURSEMENT RECORDS IN CONSTRUCTION

Table – 6: DISBURSEMENT RECORDS in CONSTRUCTION

S. No.	Description	Submission date	Covering date	Submitted Amount(NRs)	Remarks
1	IPC 01	15 <sup>th</sup> October 2017		339,105,000.00	Mobilization Advance
2	IPC 02	2 <sup>nd</sup> April 2018	2nd November 2017 to 31st March 2018	261,501,492.21	
3	IPC 03	1st July 2018	1st April 2018 to 30th June 2018	316,582,708.58	
4	IPC 04	1st October 2018	1st July 2018 to 31st September 2019	105,227,887.16	
5	IPC 05	2 <sup>nd</sup> December 2018	1st October 2018 to 30th November 2018	95,951,603.44	
6	IPC 06	31st January 2019	1st December 2018 to 31st January 2019	264,937,394.98	
7	IPC 07	12 <sup>th</sup> April 2019	1st February 2019 to 31st March 2019	308,805,662.97	
8	IPC 08	9 <sup>th</sup> May 2019	1st April 2019 to 30th April 2019	106,210,198.68	
9	IPC 09	10 <sup>th</sup> June 2019	1st May 2019 to 31st May 2019	90,419,375.33	
10	IPC 10	11th July 2019	1st June 2019 to 30th June 2019	67,863,056.59	
11	IPC 11	30 <sup>th</sup> September 2019	1st July 2019 to 30th September 2019	95,296,297.30	
12	IPC 12	3rd November 2019	1st October 2019 to 31st October 2019	53,113,369.86	



S.	Description	Submission date	Covering date	Submitted	Remarks
13	IPC 13	30th November 2019	4th June 2019 to 30th June 2019	125,965,923.87	
14	IPC 14	31st December 2019	1st December 2019 to 31st December 2019	63,509,092.84	
	amount exclud ization advanc	O		1,955,384,063.81	



### 4. OBJECTIVES AND SCOPE OF WORKS

### 4.1. OBJECTIVES

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

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

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

### 4.2. SCOPE OF WORKS

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

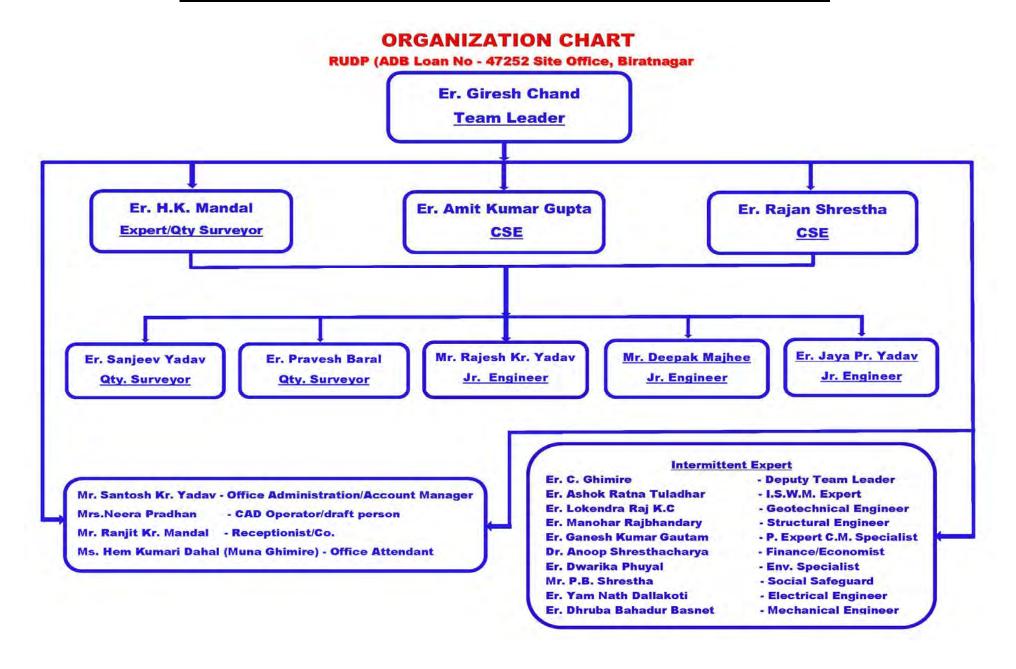
- Detailed Design and Procurement Assistance Phase for integrated solid waste management design (ISWM)
- Monthly progress report and quarterly progress report.
- Semi- annual Environmental monitoring report.
- Semi-annual Safeguard monitoring report.
- Annual progress report including annual Environmental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



### 4.3. ORGANIZATION AND STAFFING

# Attached







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

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

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

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



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

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



### 5. PROGRESS OF SUB - PROJECT COMPONENTS

### 5.1. CONSTRUCTION MATERIALS.

Before using any construction material in the project, as per clause 7.3, engineer gave prior notice to contractor for joint inspection of the construction materials and all materials have been jointly checked and verified. Team leader issued letter to contractor to do the lab test of the construction materials from the authorized organizations and lab reports of the tested materials have been submitted by contractor. Engineer has emphasized on the production of the pre-cast item like (Kerb stone, drain cover slab, manhole etc.) for better work progress of the project. The Contractor has established three production yards at Koshi project, Madhumara and Judi contractor camp for pre-cast items like Kerb stone, drain cover slab, sewer precast elements, etc. but as more than 75% work done so that the production yard at Koshi project has been closed and production 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.

### 5.2. PROGRESS ACHIEVED TILL DATE

	Target	This Month		ement This Month	L	eading	L	agging	
Month	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Remarks
July-18	0.15%	25.17%	0.78%	25.18%	0.63%	0.01%			Leading
August-18	0.15%	25.32%	2.32%	27.50%	2.17%	2.18%			Leading
September-18	5.71%	31.03%	1.22%	28.72%				-2.31%	Lagging
October-18	7.72%	38.75%	2.30%	31.03%				-7.72%	Lagging
November-18	7.72%	46.47%	5.20%	36.22%				-10.25%	Lagging
December-18	7.95%	54.41%	3.40%	39.62%				-14.79%	Lagging
January-19	7.96%	62.37%	5.65%	45.27%				-17.10%	Lagging
February-19	7.96%	70.33%	5.11%	50.38%				<del>-19.95%</del>	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



Month	Target This Month		Achievement This Month		Leading		Lagging		Remarks
Month	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Kemarks
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
December- 2019 (after Revision-2)	5.00%	72.98%	5.14%	73.12%	0.14%	0.14%	NA	NA	Leading

### **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		Frequent visit of sites by the representatives of the employer.	



### 6. DETAILS OF PRE CAST ACTIVITIES.

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

			Physical Pro	gress till da	te		
			]	Progress			
S.N.	Description	Unit	BoQ	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks
1	Precast Slab	No		81,871.00		81,871.00	Under progress
2	Kerb Stone	Rm	147,729.68	93,293.30	3,000.00	96,293.30	65.18%

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

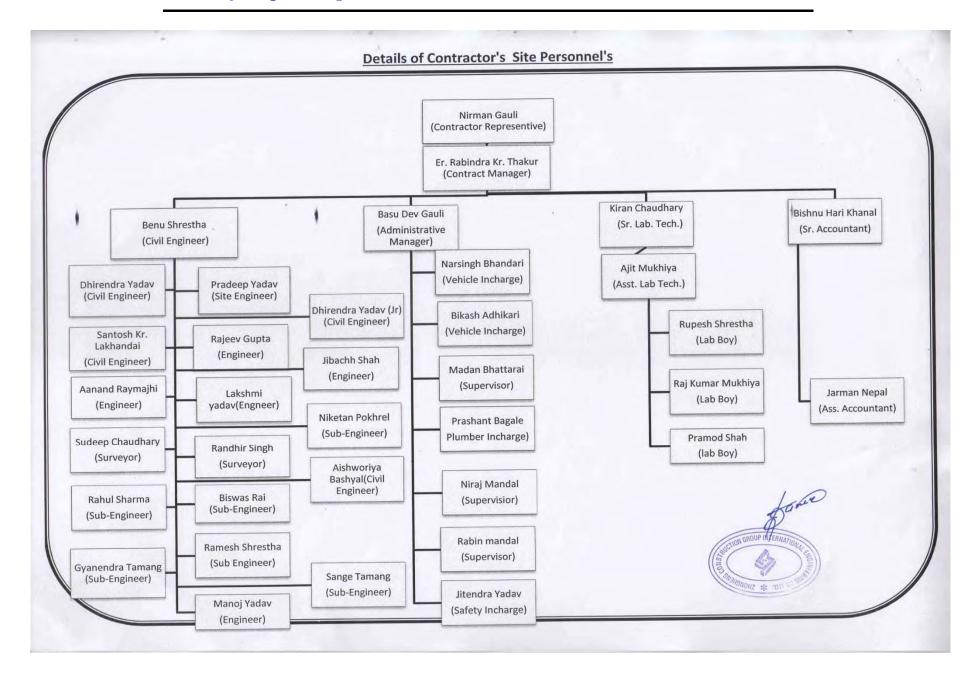
			Physical P	Progress till	date		
				Progress			
S.N.	Description	Diameter (mm)	BoQ (RM)	Up to Previous month (RM.)	This Month (RM.)	Total to Date (RM.)	Remarks
1	RCC Pipe	300	336.00	336.00	1	336.00	
2	RCC Pipe	450	681.00	681.00	1	681.00	
3	RCC Pipe	500	842.00	842.00	1	842.00	
4	RCC Pipe	600	382.00	382.00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

Table 11: PHYSICAL PROGRESS in PRODUCTION/PURCHASE OF HDPE Pipe till date.

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

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	-	7	
9	Accountant	-	3	
10	Lab Technician	-	6	
11	Store Keeper	-	1	
12	Vehicle In charge	-	2	
13	Skilled Labors		97	
14	Unskilled Labors		358	

# 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-9 nos.
2	Crane (10 ton capacity)	3	-	
3	Asphalt plant of adequate capacity	1	1	
4	Asphalt pavers	1	1	
5	Vibrating roller	2	4	Among 4nos., 2ton rollers-2nos.
6	Pneumatic tyre roller 8 to 10 ton	2	1	
7	Smooth wheeled roller 8 to 10 ton	1	1	
8	Grader	1	3	
9	Track Dozer (120 to 180 HP)	1	-	
10	Bitumen distributor (4 to 6 Kilo Litres)	1	1	
11	Water browser ( minimum 5000 Litres)	3	9	
12	Chips spreader	1	-	
13	Bitumen decanter minimum 4000 Litres. ( preheating container)	2	2	
	Air compressor	2	2	
14	Tipping Trucks	5	2	
15	Service vehicle	15	4	
16	Survey equipment (Total station with accessories)	2	1	



S.No.	Equipment Type and Characteristics	Min Number required as per Contract	ZHONGHENG CONSTRUCTION Group	Remarks
17	Theodolite	1	-	
18	Levelling	2	27	
19	Mobile Generator 15-20 KVA	5	10	
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	-	11	
26	Plate Compactor	-	5	
27	Water Pump	-	14	

# 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.
- Placement of Sewer inlet and House Connection works.
- Relocation of electric poles and water supply works, etc.



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





Road diversion at R2



Brooming work before application of Prime coat at R2





Brick Masonry at N7



R2 Lane – Base laying





RCC Drain at R4 near N2 Junction



Brick Masonry drain at R2



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

## Building Design Authority (P) Ltd



in Joint Venture with

B.N.ConsultancyPvt. Ltd and Plus Engineers & architects (P) Ltd, Kathmandu, Nepal REGIONAL URBAN DEVELOPMENT PROJECT (RUDP), ADB Loan No: 47252

Biratnagar Metropolitan city, Biratnagar

#### MINUTES OF MEETING NO. - 28

Contract: RUDP/ICB/BRT-02

Date: 24 December, 2019

Time: 5:00PM

Venue: TL Office, Biratnagar

### Attendance

### Employer:

1. Mr. EKadevAdhikari, CAO, BMC

2. Mr. Bharat Neupane, Project Manager

Mr. Prakash Narayan Chaudhary, DPM
 Mr. GhanshyamKafley, Project Engineer

5. Mr. Anil Singh, Project Engineer

6. Mr. Minter KO. Assessed Officer

Mr. Mister KC, Account Officer

#### Contractor:

1. Mr. NirmanGauli, Contractor Representative

2. Mr. Ravindra Kumar Thakur, Contract Manager

### Consultant:

1. Mr. Giresh Chand, Team Leader

2. Mr.H K Mandal, Expert/Quantity Surveyor

3. Mr.Rajan Shrestha, CSE

Meeting was chaired by CAO, Mr.EkadevAdhikari and welcomed by TL, Mr. Giresh Chand.Following matters were discussed and decided:

S.N.	Minutes	Action by
1.	TL, Mr. Chand briefed the present status of the project under RUDP:	
	Road Rehabilitation (Asphalt)- 64.46%     Sewer Line – 99.52%	
	3) Storm Water Drain- 100%	
	4) Road Side Drain- 87.25%	Consultant/
	The overall progress till date is 73% wrt Revised work program-02	Contractor
2.	TL emphasized his dissatisfaction on the current work progress as Revised Date of Completion (After EoT-1) is 18 May 2020). None of single road has been completed as per approved design and drawing(i.e, discrepancies in top level of drain, slab and kerbstone, weep holes, backfilling, interlocking, water supply pipes etc.)	Employer/ Consultant/ Contractor





# Building Design Authority (P) Ltd



in Joint Venture with

B.N.ConsultancyPvt. Ltd and Plus Engineers & architects (P) Ltd, Kathmandu, Nepal REGIONAL URBAN DEVELOPMENT PROJECT (RUDP), ADB Loan No: 47252

Biratnagar Metropolitan city, Biratnagar

	- more pontariony, Brianagar	
	CAO and PM together added to complete remaining works (defects/Outstanding) in all roads as early as possible.  The contractor accepted and admitted to accelerate the work for same.	
3.	The contractor informed that they are not in the stage to work further (for Excess quantity not approved) until financial assurance would not be provided.	Employer/
	CAO as well as PM instructed to execute the works as per 14.88% VO which has already been approved by BMC Board. The Employer further instructed to submit VO as soon as possible for further action.	Consultant/ Contractor
	TL agreed to resubmit VO-2 by 29 December 2019 wrt 14.88% with detail supporting documents.	
4	The Contractor, Mr. NirmanGauli asked for withheld amount of laying New Water Supply in IPC-11.	Employer/ Consultant/
	PM advised to review the IPC-11(PS, laying of New Water supply pipe)and resubmit in coming IPCas per approved VO-01.	Contractor
	TL instructed to accelerate the work of New water supply work so that project can be completed in stipulated time.	
5	PM, Mr Bharat neupane requested for the New Design of Himalaya Road (R70 from College Road to MahendraChowk) as No Vehicle Zone.	Employer/ Consultant/ Contractor
	TL advised to coordinate with public and requested for concrete decision for the change so that the consultant can review the design as said.	
	PM agreed for the same.	
6.	CAO , Mr EKadevAdhikari advised to complete all the works in stipulated time with quality.  The Contractor agreed on the same.	Employer/ Consultant/ Contractor
		(3.50,000 315-35)

Address: Bargachhi Pipalchowk-05, Biratnagar.Email: rudpbdabrt@gmail.com



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

	REG	B	RBAN DEN iratnagar Met ontract No:- RU Summary Sheet of M	ropolitan C DP/ICB/BRT	ity -02	PRO	OJE	CT	
						Mor	ith:	Dec	ember
							ar e of		2019
-		To the second	Location:-R-7,(T3	BL10f) Material			Sub	ub grade	
Sn.	Lab.Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remarks
1	RUDP-SG-01	R-7,(T3L10f)	Existing Road	4-Dec-19	1.925	8.20	7.27	6.80	/
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			1						
-									
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1	hecked By Engineer endra Yadav			Verified By Expert Qty surveyor	/CSE	etnayar *	Appro Team L	ved By	



	REGIO	ONAL U	Biratna Contract	gar Mo No:- R	VELOI etropolita UDP/ICB/ of Field Densi	n City BRT-02	Γ PRO.	JECT	
							Month Year	Decer 201	
			Location	n:-R-7,(T	3L10f)		pe of Material	Sub-G	rade
	A				e content %	Max.Dry	(gm/cc)	Compac	tion %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%		Field Dry density, gm/cc	Compaction %	Specified %
1	RUDP-SG-FD-1, L/S	6-Dec-19	0+790	8.20	7.98	1.925	1.857	(96.44	95
2	RUDP-SG-FD-1, R/S		0+850	8.20	7.46	1.925	1.856	96.40	95
3	RUDP-SG-FD-1, L/S		0+890	8.20	8.24	1.925	1.840	95.58	95
4	RUDP-SG-FD-1, R/S	6-Dec-19	0+950	8.20	8.78	1.925	1.856	96.41	95
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	Checked By Engineer		Submitt		Verified	Ву		Approved By	
	Dhirendra Yadav		Contract N Rabindra K		Expert Qty Survi			Team Leader Giresh Chand	



		ONAL UR Bir Cor	atnagar Meti ntract No:- RUI	ropolitan Ci	ty					
		Su	mmary Sheet of Mo	onthly Test Repor	<u>t</u>	Mon	th.	Doo	ember	
						Yes			019	
			Location:-T3L39	A		Type Mate		Sub grade		
n.	Lab.Ref no.	Location of Sample	Source of Sample	Date of Testing	PI%	CBR%	Remarks			
1	RUDP-S-01	T3L39-A(0+030)	Existing Road	1-Dec-19	1.930	7.50	9.56	5.60		
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					f Field Densi		Month	Decen	a have
Longtion T2					1 20 4		Year	201	9
			Loc		tion:-T3L39-A Moisture content %		Type of Material ty(gm/cc)	Sub-Grade Compaction %	
Sn.	Lab.Ref.no	Testing Date	Chanage	OMC%	Field MC%	Max.Dry density gm/cc		Compaction %	Specified %
1	RUDP-SG-FD-1, L/S		0+020	7.50	7.16	1.930	1.843	95.47	95
2	RUDP-SG-FD-1, R/S	2-Dec-19	0+040	7.50	6.96	1.930	1.869	96.84	95
3	RUDP-SG-FD-1, L/S	2-Dec-19	0+055	7.50	7.06	1.930	1.871	/ 96.93	95
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			T			Yea	of		019 grade
1000		Location/Chainage	Location:-T3L131			Mate			
n. Lab.l	Ref no.	Location/Chainage	Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remarks
RUD	P-SG-01	T3L13K,(0+040)	Existing Road	1-Sep-19	1.950	9.25	8.63	7.00	
			,						
	7								
	-								
ONGHEN		TRUCTION GROUP	1000	BUILDING DE VENTURE WIT PLUS ENG	HEN	ONSUL	ANCY	PVT. L TS (P) L	TD AND
Checked	I By		Submitted By	Verified By	Sales Control		78	oved By	
Engine	eer		Contract Manager	Expert Qty surveyo			Team l	Leader	
Dhirendra	yadav		Rabindra Kr. Thakur	H.k. Mandal/Rajan	Shrestha		Giresi	Chand	





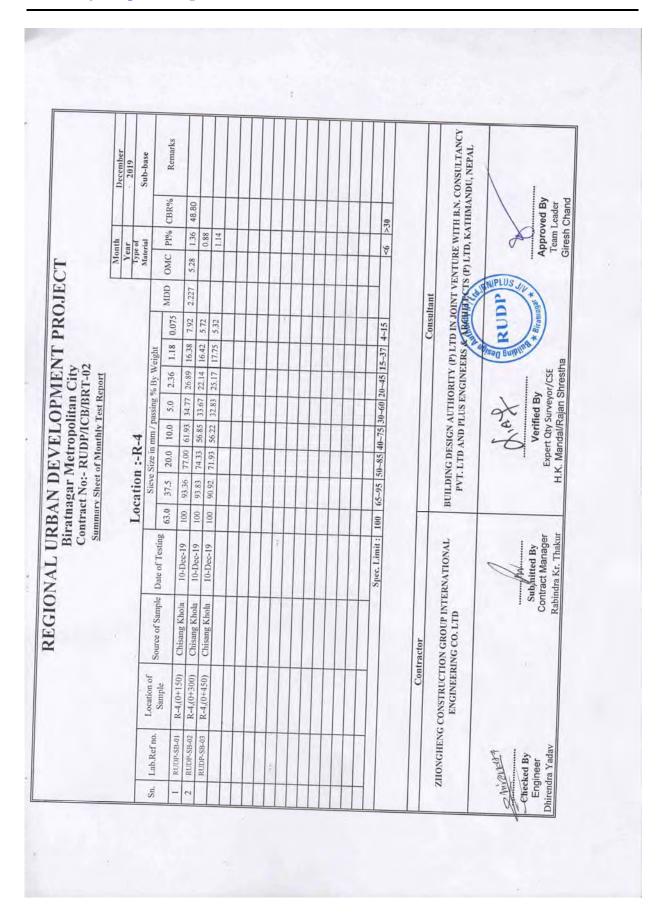


		REGIONAL	Biratnagar M Contract No:- I	EVELOPMENT letropolitan City RUDP/ICB/BRT-02 f Monthly Test Report	PRO	JEC'	Г		
						Mor			cenber
			Launtton	Mad Man North		Ye Typ	e of		2019 o grade
Sn.	Lab.Ref no.	Location/Chainage		:-Moti Marg North	T.,,,,,	Mate			
1	RUDP-SG-01		Source of Sample	Date of Testing	MDD	OMC	PI%	CBR%	Remark
-	KUDF-3G-01	Moti Marg North,(0+020)	Existing Road	1-Dec-19	1.990	6.00	12.18	6.20	
							-	1	
									-
			7						
2	ZHONGHENG (	Contractor CONSTRUCTION GROUP I	NTERNATIONAL	BUILDING DESIGN AUTHO	Consult	LTD IN .	IOINT V	VENTU	RE WITI
A.	CHONGHENG O	CONSTRUCTION GROUP I ENGINEERING CO. LTD	Sybmitted By Contract Manager Rabindra kr. Thakur	B.N. CONSULTANON ARCHITECTES	PRITY (P) RVITY (BTP) LTD, N RUDI	LTD IN J	Appro Team L	GINEER EPAL ved By	RE WITT
A.	hecked By Engineer	CONSTRUCTION GROUP I ENGINEERING CO. LTD	Sphmitted By Contract Manager	B.N. CONSULTANOVARCHITECTS  Verified By Expert Qty Surveyor/CSE	PRITY (P) RVITY (BTP) LTD, N RUDI	LTD IN J	Appro Team L	EPAL ved By	RE WITH S &
A.	hecked By Engineer	CONSTRUCTION GROUP I ENGINEERING CO. LTD	Sphmitted By Contract Manager	B.N. CONSULTANOVARCHITECTS  Verified By Expert Qty Surveyor/CSE	PRITY (P) RVITY (BTP) LTD, N RUDI	LTD IN J	Appro Team L	EPAL ved By	RE WITH S &
A.	hecked By Engineer	CONSTRUCTION GROUP I ENGINEERING CO. LTD	Sphmitted By Contract Manager	B.N. CONSULTANOVARCHITECTS  Verified By Expert Qty Surveyor/CSE	PRITY (P) RVITY (BTP) LTD, N RUDI	LTD IN J	Appro Team L	EPAL ved By	RE WITH S &



		ONAL	Biratna Contrac	agar M et No:- F	etropolita RUDP/ICB	an City BRT-02		0201	
			Summa	ry Sheet	of Field Dens	ity Test	Month	Dece	mber
		1	ocation:-	Moti Ma	rg North	Te	Year pe of Material		019 Grade
				Moistur	e content %	Density	(gm/cc)	Compa	ction %
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, R/S		0+010	6.00	5.24	1.990	1.916	96.28	95
2	RUDP-SG-FD-1, L/S	2-Dec-19	0+030	6.00	5.85	1.990	1.910	/ 95.98	95
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-									
-1			-	-					
	Cen	ntractor					Consultan		
ZH	ONGHENG CONSTRUCT	ROURANTONIZATIONA	NTERNAT	IONAL	BUILDING WITH B.N. C	DESIGN AU CONSULTAN CHUI TO S	THORITY (P	) LTD IN JOINT D AND PLUS EN HMANDU, NEI	VENTURE NGINEERS & PAL
	Checked By Engineer Dhirendra Yadav	THE RESIDENCE	Submitt Contract M Rabindra K	fanager	Verified   Expert Qty Surv. H.K. Mandal/Raj	By Pyor/CSF		Approved By Team Leader Giresh Chand	

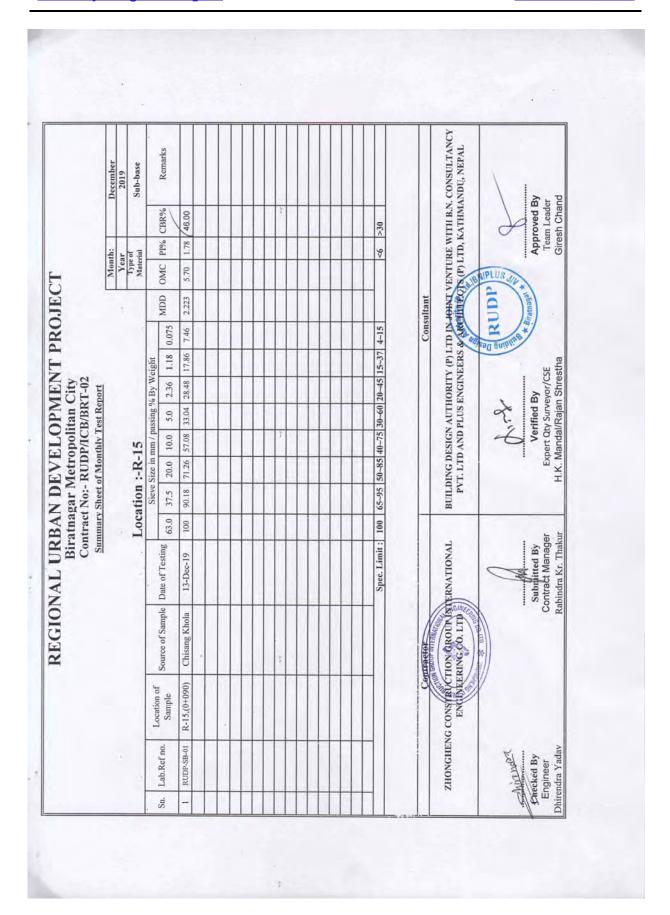






	REGIO	Bi	iratnag ontract	ar Mei No:- RU	ELOP tropolitan JDP/ICB/B Field Density	City RT-02	Γ PROJ	ECT	
							Month	D	ecember
							Year		2019
_			Loc	ation:-F	e content %		ype of Material y(gm/cc)		ub-Base paction %
Sn.	Lab.Ref.no	Testing Date	Chainage			Max.Dry	Field Dry	Compac	
JII.	Luo.rci.no	resting Date	Chamage	OMC%	Field MC%	density	density,	tion	%
1	RUDP-SB-FD-1, L/S	13-Dec-19	0+020	5.25	5.10	2.227	2.152	96.63	95
2	RUDP-SB-FD-1, C/S	13-Dec-19	0+050	5.25	6.22	2.227	2.145	96.33	95
3	RUDP-SB-FD-1, R/S	13-Dec-19	0+100	5.25	5.13	2.227	2.173	97.58	95
4	RUDP-SB-FD-1, L/S	13-Dec-19	0+120	5.25	5.53	2.227	2.134	95.81	95
5	RUDP-SB-FD-1, C/L	13-Dec-19	0+180	5.25	5.90	2.227	2.153	96.67	95
6	RUDP-SB-FD-1, R/S	13-Dec-19	0+250	5.25	5.53	2.227	2.138	96.01	95
7	RUDP-SB-FD-1, R/S		0+320	5.25	5.08	2.227	2.180	97.89	. 95
8	RUDP-SB-FD-1, C/L	13-Dec-19	0+400	5.25	5.93	2.227	2.146	96.35	95
9	RUDP-SB-FD-1, L/S	13-Dec-19	0+450	5.25	5.27	2.227	2.139	96.03	95
	Contrac	Tor.				Con	sultant		
b	ZHONGIË NG CONSTI	RUCTION GRO	DUP LTD	BUILDIN B.N	NG DESIGN A N. CONSULTA ARCHITE	UTHORITY NCY PV I	(P) LTD IN J LTD AND PLU D, KATHMAN	OINT VEN US ENGIN DU, NEPA	TURE WITH EERS & L
		Submitted By Contract Manage abindra Kr. Thak			Verified By the Qty Surveyor/ Jandal/Rajan Sh	CSE	tnagar *	Approve Team Le Giresh Cl	ader

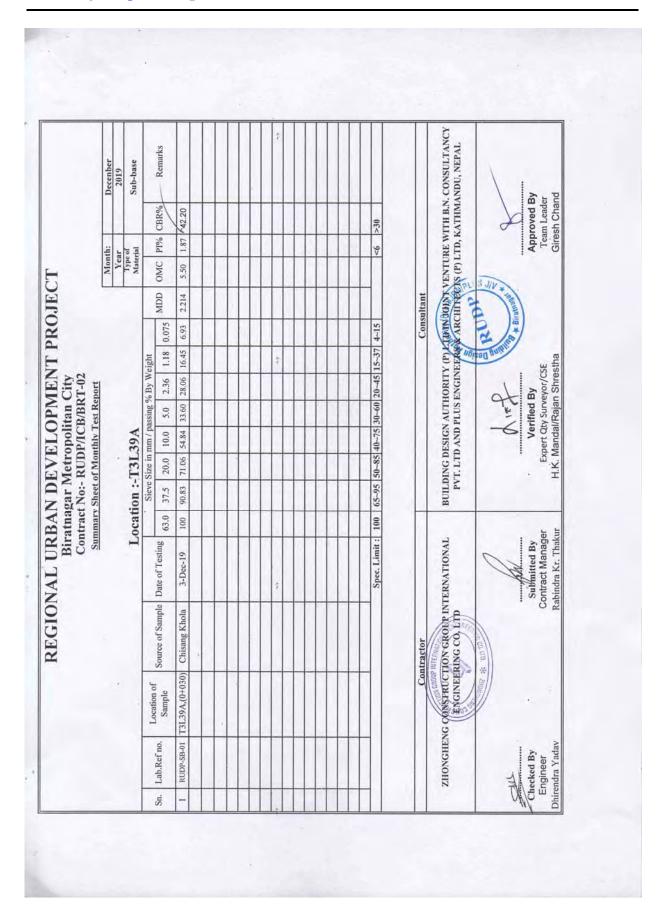






	REGIO	C	iratnag ontract	gar Me No:- RI	tropolitar JDP/ICB/E	n City BRT-02	PROJ	ECT	
			Summary	Sheet of	Field Density	v Test	Month	De	cember
	+			1	35 /		Year		2019
			Loca	ation:-R	e content %	Density	pe of Material		ab-Base Daction %
Sn.	Lab.Ref.no	Testing Date	Chainage	2.7		Max.Dry	Field Dry	Compac	Specified
	+				- 2	density	density,	tion	%
1	RUDP-SB-FD-1, R/S		0+020	5.70	5.07	2.223	2.140	(96.25	95
3	RUDP-SB-FD-1, L/S RUDP-SB-FD-1, R/S		0+050 0+100	5.70	5.96 6.34	2.223	2.169	97.59	95 95
4	RUDP-SB-FD-1, L/S		0+100	5.70	5.58	2.223	2.109	(97.56 (95.59	95
5	RUDP-SB-FD-1, R/S	1 0 00 00 00 00 00 00 00 00 00 00 00 00	0+180	5.70	5.30	2.223	2.123	95.33	95
			F						
			1-141						
	ZHONGHENG CONSTI	RECTION GRO	UP	BUILDIN	G DESIGN A	UTHORITY	ultant (P) LTD IN J	OINT VEN	TURE WITH
1	INTERNATIONAL ENGI	NEÈRING CO.	LTD	B.N	/	CTS (B) IVID	KATHMAN	DU, NEPA	L L
Eng		Subjuitted By Contract Manager			Verified By t Qty Surveyor/ andal/Rajan Sh		(1)	Approved Team Lea Giresh Ch	der

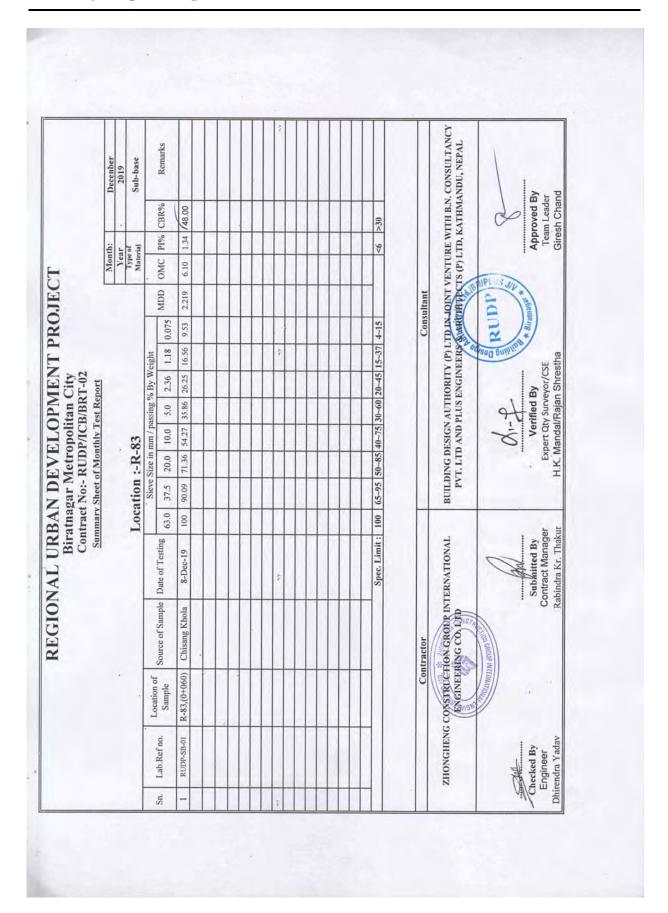






Sn.         Lab.Ref.no         Testing Date Chainage         OMC% Field MC% den.         Max den.           1         RUDP-SB-FD-1, L/S         9-Dec-19         0+020         5.50         5.36         2.2	Month Year Type of Material Density(gm/cc) Dry Field Dry Consity density, the	
Location:-T3L39A   Moisture content %   D   OMC%   Field MC%   Max   den	Year Type of Material Density(gm/cc) Dry Field Dry Consity density, 188 214 2.138 496	2019 Sub-Base Compaction % npac Specified on % .58 95 .75 95
Sn. Lab.Ref.no Testing Date Chainage OMC% Field MC% Max den.  1 RUDP-SB-FD-1, L/S 9-Dec-19 0+020 5.50 5.36 2.2  2 RUDP-SB-FD-1, R/S 9-Dec-19 0+050 5.50 5.70 2.2	Year Type of Material Density(gm/cc) Dry Field Dry Consity density, 188 214 2.138 496	2019 Sub-Base Compaction % npac Specified on % .58 95 .75 95
Sn. Lab.Ref.no Testing Date Chainage OMC% Field MC% Max den.  1 RUDP-SB-FD-1, L/S 9-Dec-19 0+020 5.50 5.36 2.2  2 RUDP-SB-FD-1, R/S 9-Dec-19 0+050 5.50 5.70 2.2	Type of Material Density(gm/cc)  Dry Field Dry Consity density, 162  2.138 /96	Sub-Base Compaction % npac Specified on % .58 95 .75 95
Sn.         Lab.Ref.no         Testing Date         Chainage         OMC%         Field MC%         Max den.           1         RUDP-SB-FD-1, L/S         9-Dec-19         0+020         5.50         5.36         2.2           2         RUDP-SB-FD-1, R/S         9-Dec-19         0+050         5.50         5.70         2.2	Dry Field Dry Consity density, 14 2.138 (96.	npac Specified 9/6 5/8 95 95 95
1 RUDP-SB-FD-1, L/S 9-Dec-19 0+020 5.50 5.36 2.2 2 RUDP-SB-FD-1, R/S 9-Dec-19 0+050 5.50 5.70 2.2	sity density, 100 214 2.138 (96)	on % .58 95 .75 95
1 RUDP-SB-FD-1, L/S 9-Dec-19 0+020 5.50 5.36 2.2 2 RUDP-SB-FD-1, R/S 9-Dec-19 0+050 5.50 5.70 2.2	214 2.138 /96	.58 95 .75 95
		.75 95
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Contractor	C	
	Consultant	
ARCHITECTS	VT. LTD AND PLUS ÉN MTD, KATEMANDU, N	GINEERS &
150 ISS	RUDP Appr	1
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-pt-	Ing - Biratolia	
Chala B.	X PHO.	
Checked By Subrifited By Verified By Engineer Contract Manager Export Qty Surveyor/CSE	- 1.1.	roved By
irendra Yadav Rabindra Kr. Thakur H.k. Mandal/Rajan Shrestha		n Leader sh Chand

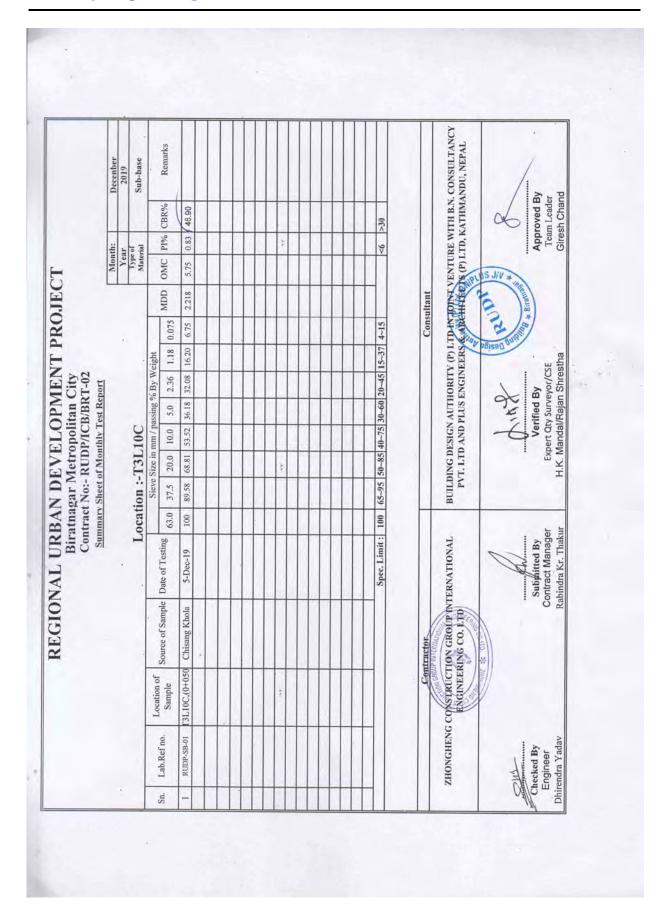






	KEGIO	NAL UI	iratnag	ar Me	tropolita	n City	PROJ	ECT	
					JDP/ICB/I				
		1	Summary	Sheet of	Field Densit	Test	Month	n.	cember
							Year		2019
			Loca	tion:-R	e content %		ype of Material		ıb-Base
Sn.	Lab.Ref.no	Testing Date	Chainage	OMCO	Eight MCO	Max.Dry	(gm/cc) Field Dry	Compac	Specified
	BANKS OF THE LOCAL					delisity	density,	tion	%
2	RUDP-SB-FD-1, L/S RUDP-SB-FD-1, C/L		0+020	6.10	5.08	2.219	2.118	195.45	95
3	RUDP-SB-FD-1, C/L		0+060	6.10	4.39 5.80	2.219	2.132	(96.10	95
4	RUDP-SB-FD-1, L/S		0+090	6.10	5.69	2.219	2.138	96.36	95
	HODE OB ED I, E/S	10-20-19	01110	0.10	3.09	4,419	2.127	(95.58	95
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	Contract	or					D		
	TO UTO. S. ZHONO	The same				Cons	ultant		
п	ZHONGHENG CONSTR NTERNATIONAL ENGIN	EERING CO. 1	UP LTD	BUILDIN B.N.	CONSULTA	NCYPVILE	(P) LTD IN JO TO AND PLU: KATHMANI	SENGINE	ERS &
						RUI	D 3		
		1			0.	RUI	151	,	
	16	//		,	Xal	13	1 th	X	
9		by		446	Fiel.	* Biratus	NA.	0	
		Submitted By			Verified By			Approved	Ву
-		ntract Manager		Export	Qty Surveyor/	CSE		Team Lead	er
men(	ura radav Rah	oindra Kr. Thaku	r  t	i.k. Manda	al/Rajan Shres	stna		Giresh Cha	ind

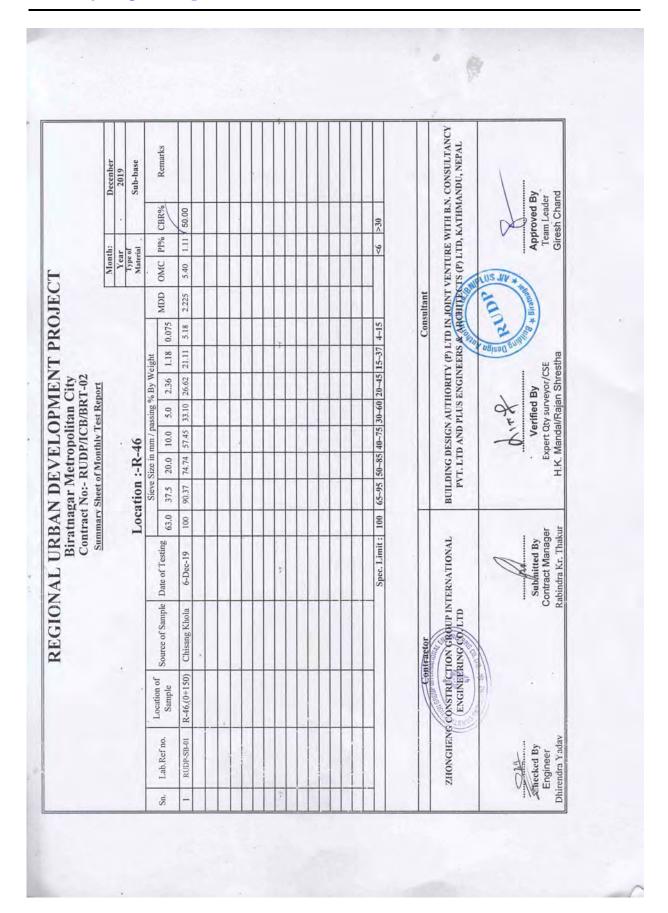






	REGIO	NAL U	RBAN	DEV	VELOP	MEN	ΓPROJ	ECT	
		C	iratnag ontract	gar Me No:- RI	tropolita DP/ICB/I	n City BRT-02			
					Field Densit				
	14						Month		cember
			Locati	ion:-T3	110C	7	Year ype of Material		2019
				Moistur	e content %	Densit	y(gm/cc)		ab-Base Daction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry density	Field Dry density,	Compac /tion	Specified
1	RUDP-SB-FD-1, L/S	9-Dec-19	0+030	5.75	5.04	2.218	2.130	96.04	95
2	RUDP-SB-FD-1, R/S		0+070	5.75	5.73	2.218	2.163	(97.52	95
3	RUDP-SB-FD-1, R/S		0+100	5.75	5.90	2.218	2.124	(95.77	95
4	RUDP-SB-FD-1, L/S	9-Dec-19	0+120	5.75	6.12	2.218	2.148	(96.52	95
			3						
				2					
		1							
					-				4
-			2						
_	Contract					Cons	ultant		-
	TION GROUP INTERNA	- 11						and the s	
I	ZHONGHENG CONSTR NTERNATIONAL ENGIN	EERING CO.	UP LTD	B.N.	CONSULTA ARCHITEC	NCY TIME	(P) LTD IN JO TO AND PLUS KATHAMANI	OINT VENT S ENGINE OU, NEPAL	TURE WITH ERS &
	THE RE OF					RI	PPE		
		71	4.		21	Best RI	1=		1
	ad	1/1		3	141	Piling	Tunto Dilai	0/	
5		m			0		on all	W	
		Subnatted By			vermed By			Approved	Ву
		ntract Manage bindra Kr. Thaku		Export Lk. Manda	Qty Surveyor/ al/Rajan Shres	CSE		Team Lead	er
	T.M.	THE THE PARTY OF T		mande	vojan one:	Jula		Giresh Cha	ind
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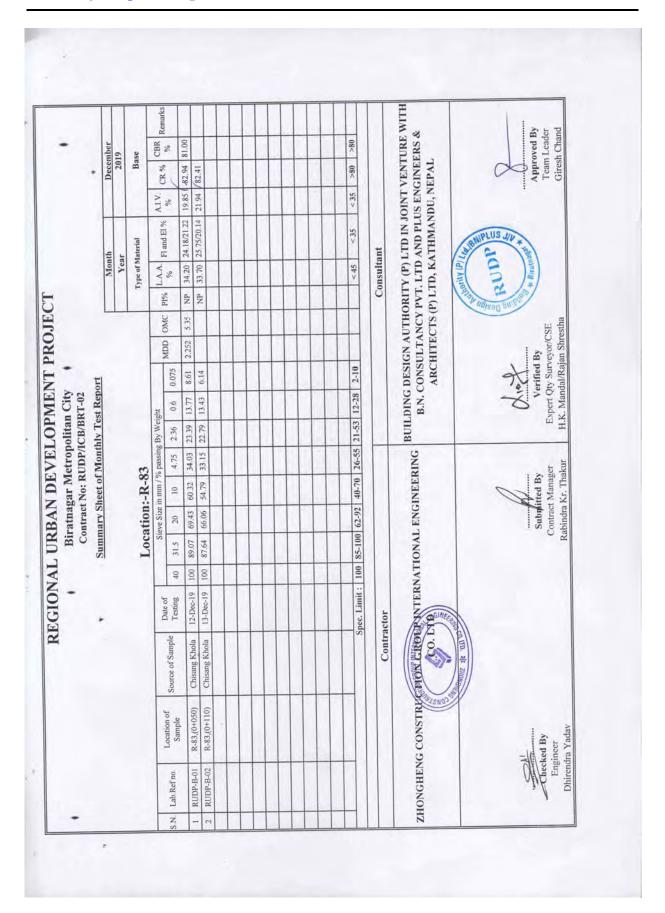




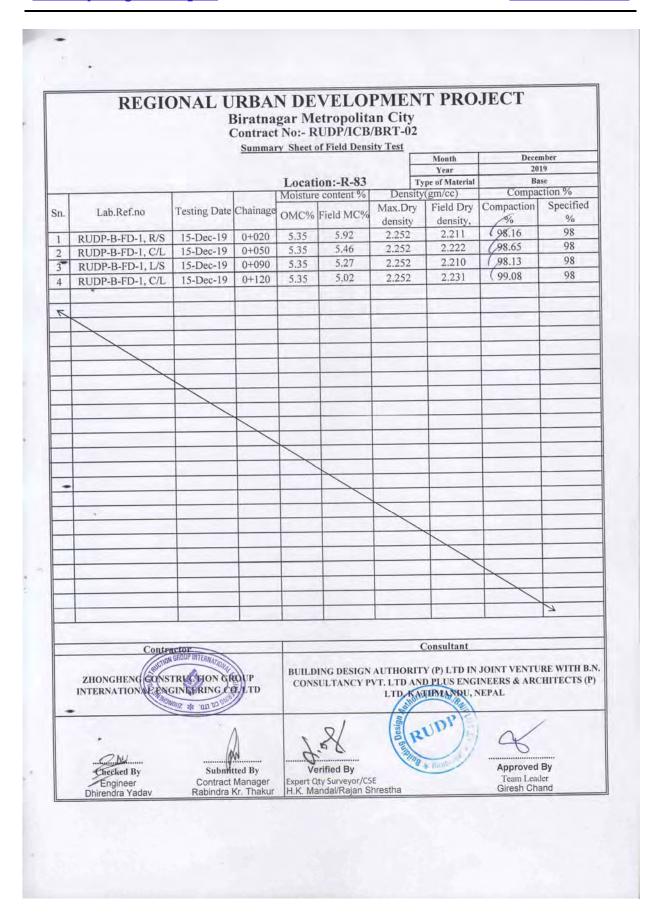


	REGIO	B	iratnag ontract	ar Me No:- RI	VELOP tropolitar JDP/ICB/E Field Density	RT-02	Г PROJ	ECT	
			Summary	Silect 01	rieid Density	rest	Month	D.	cember
							Year		2019
			Loca	tion:-R	e content %	7	Type of Material		ub-Base
Sn.	Lab.Ref.no	Testing Date	Chainage		Field MC%	Max.Dry	Field Dry density,	Compac	4
1	RUDP-SB-FD-1, L/S	10-Dec-19	0+040	5.40	5.42	density 2.225	2.176	(97.79	95
2	RUDP-SB-FD-1, R/S		0+080	5.40	5.41	2.225	2.149	/96.57	95
3	RUDP-SB-FD-1, C/L		0+120	5.40	5.53	2.225	2.116	95.10	95
4	RUDP-SB-FD-1, L/S	10-Dec-19	0+180	5.40	5.25	2.225	2.170	97.54	95
5	RUDP-SB-FD-1, R/S	10-Dec-19	0+220	5.40	5.39	2.225	2.165	97.29	95
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	Contract	and flow				Con	sultant		
1	ZHONGHENG CONSTR NTERNATIONAL ENGIN	NEERING CO.	UP LTD	BUILDIN B.N	ARCHITEC	NCY PUT	(P) LTD IN JO LTD AND PLU C, KATHMANI	SENGINE	FRS&
Eng	ineer C	Submitted By Contract Manager bindra Kr. Thaku		Export	Verified By Qty Surveyor/	CSE	roman 2	Approved Team Lea	

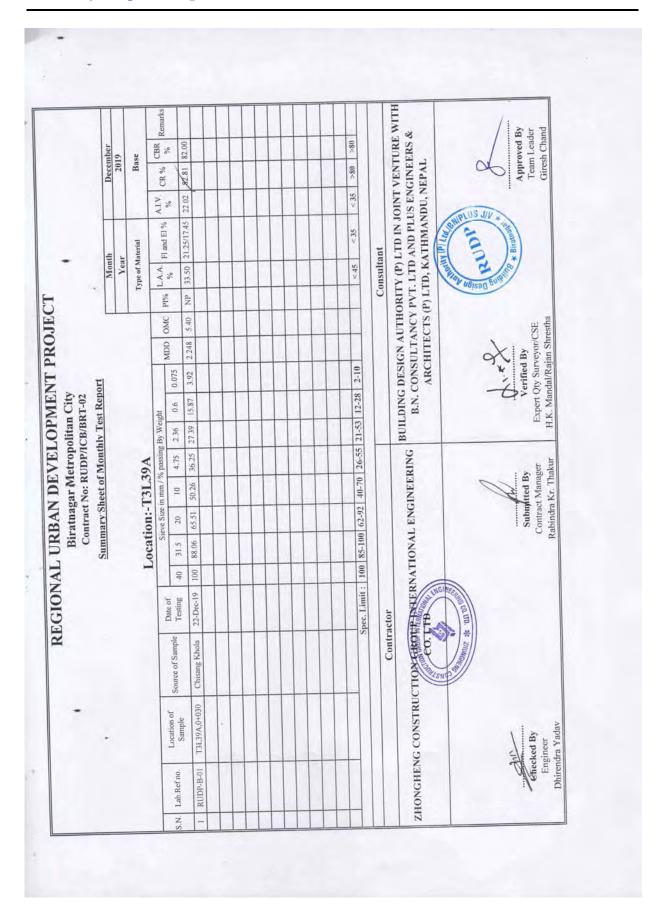








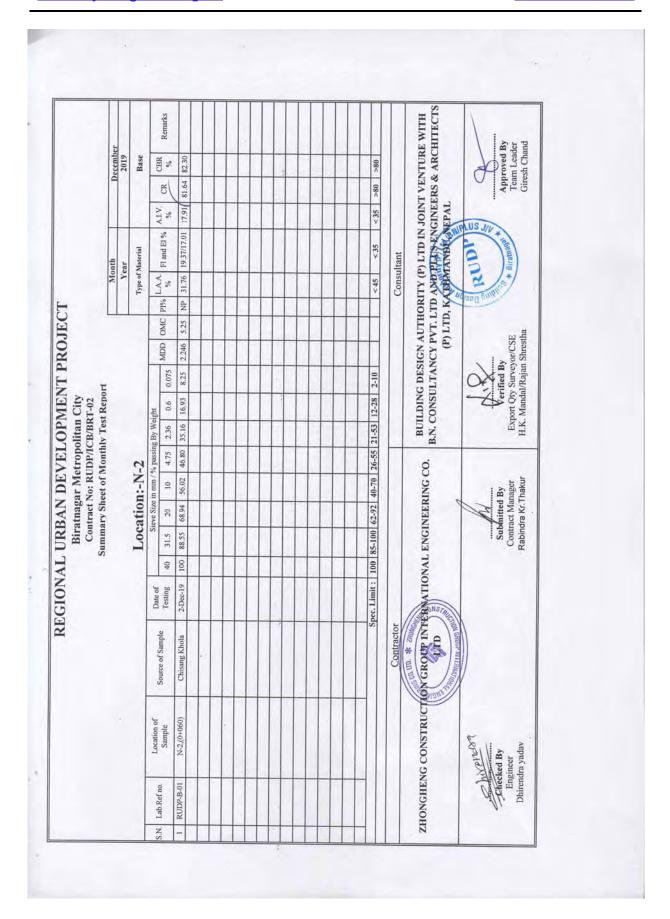






		(	Contract	No:- R	etropolita UDP/ICB/	BRT-02			
			Summa	ry Sheet	of Field Dens	ity Test	Month	Dece	
				mar	20.4		Year ype of Material	20 Ba	
_			Locatio	n:-T3L	e content %		y(gm/cc)	Compa	ction %
2.0	Lab.Ref.no	Testing Date	Chainage	110000000000000000000000000000000000000	Field MC%	Max.Dry	Field Dry	Compaction	Specified
Sn.	Lab.Rel.lib			Omen		density	density,	(%	98
1	RUDP-B-FD-1, R/S	25-Dec-19	0+010	5.40	5.09	2.248	2.235	99.43	98
2	RUDP-B-FD-1, L/S	25-Dec-19	0+030	5.40	5.07	2.248	2.211	98.67	98
3	RUDP-B-FD-1, R/S	25-Dec-19	0+050	5.40	5,11	2.248	2,210	70.07	
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	0.0								
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	Contraction	ractor					Consultant		
	ZHONGHENGEON	STRUCTONG	ROUP	BUIL	DING DESIGN	NAUTHORI	TY IP L TO IN	JOINT VENT	URE WITH B.P CHITECTS (P)
	INTERNATIONAL EN	CHEERING	O. LTD	COL	SCHILL CT	LTD, K	ATHMANDA.	NEPAL	/
	MADURAN	BTMI GUORA MOTTAM	1		4	Busin B Design	UDP	V	
	o NO		(.)	-	ان	( Fig.	15/	8	
	Checked By	Subn	itted By		renfied By	1.8	· Biratuunat	Approved	
	Engineer	Contrac	t Manager		Oty Surveyor/Clandal/Rajan S	SE		Team Lea Giresh Ch	
	Dhirendra Yadav	Kabindra	Kr. Thaku	I III.	narradir (ajarr				

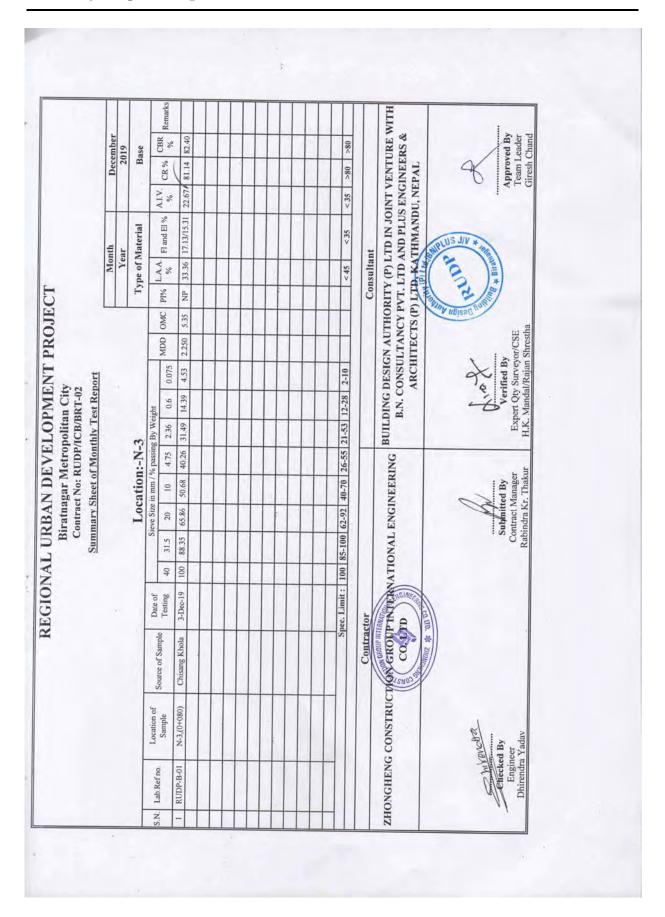






				inty once	t of Field Densi	ty rest	Month		
							Year		mber 19
				Moistu	re content %		ype of Material y(gm/cc)		ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry	Field Dry	Compaction	
1	RUDP-B-FD-1, R/S	4-Dec-19	0+040	5.25	5.75	density 2.246	density, 2.208	0%	98
2	RUDP-B-FD-1, C/L	4-Dec-19	0+040	5.25	5.97	2.246	2,208	699.32	98
3	RUDP-B-FD-1, L/S	4-Dec-19	0+100	5.25	5.57	2.246	2.216	(98.68	98
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							sultant		
II	ZHONGHENG CONSTI	MEERING Ed	UP LTD	CONSULT	NG DESIGN AU FANCY PVT, LT	LATUMA	NOC NEPAL	NT VENTURE S & ARCHITE	WITH B.N. CTS (P) LTD,
	Olivere &	M SUGRA MOITS		K	J.	RU	15%	8	
	Checked By	Submitted	l By	Ver	ified By	* 8	tal.	Approved By	
	Engineer Dhirendra yadav	Contract Ma Rabindra Kr.	nager	Expert Qty S	Surveyor/CSE	22		Team Leader	
_	Distriction yavav	Nabiliula KI.	Makul	n.n. Mario	al/Rajan Shrest	ld 2-		Giresh Chanc	

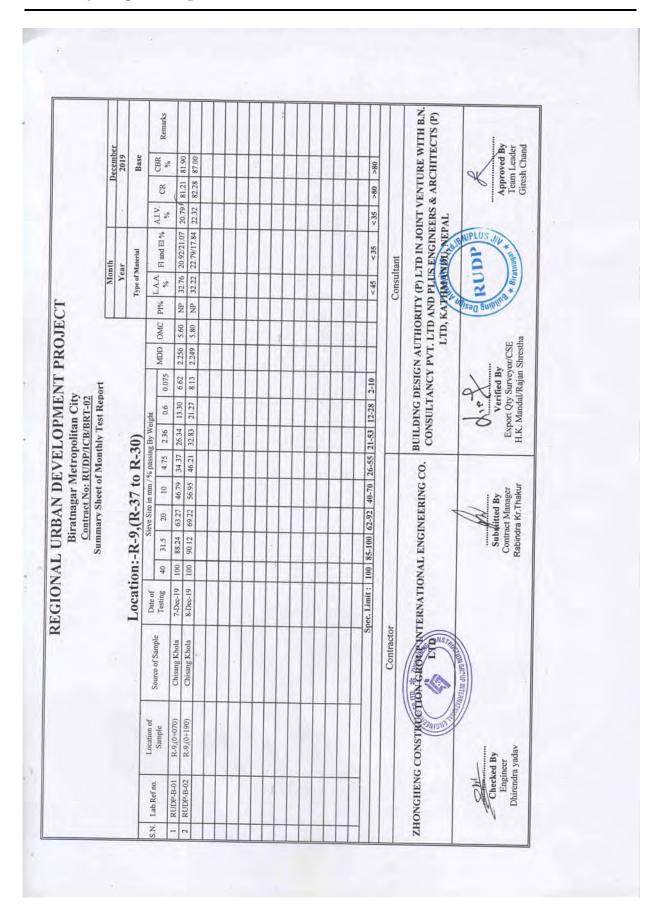






			Summa	ry Sheet	of Field Dens	sity Test			
							Month		nber 19
_			Lo	cation:		1	ype of Material	Ba	ise
in.	Lab.Ref.no	Testing Date	Chainage		Field MC%		y(gm/cc) Field Dry	Compa Compaction	Specified
1	RUDP-B-FD-1,L/S	4-Dec-19	0+020	5.40	4.19	density 2.249	density,	1/6	%
2	RUDP-B-FD-1,R/S	4-Dec-19	0+060	5.40	4.19	2.249	2.218	(98.62	98 98
3	RUDP-B-FD-1, L/S	4-Dec-19	0+110	5.40	5.70	2.249	2.226	(99.00	98
4	RUDP-B-FD-1,R/S	4-Dec-19	0+140	5.40	4.59	2.249	2.211	(98.30	98
7						-1-12		1 30.00	70
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-	Contrac	* ZHONO		RUII DIN	C DESIGN A	CO	nsultant	ATAINE A PERAIMETER	D AVERTON IN AL
IN	ZHONGHENG CONSTR NTERNATIONAL ENGE	CEPINC CRO	UP	CONSU	LTANCY PV1	LIDAND	PLUS ENGIN	DINT VENTURI EERS & ARCH	E WITH B.N.
-	113.	1811	LID			LTD. KATI	IMANDU, NE	PAL /	inders (r)
	MUERINATION	SUCTION GROUP IN			X	RUI	OF E	0/	
1	2 Mixander Continuent	- 41		7.	~ f,	1	151	of	
1	Checked By	Submitted	By	Verif	ied By	A Bits		Approved By	
-	Engineer Dhirendra Yadav	Contract Ma	nager	Expert Qty 5	Surveyor/CSE	_		Team Leader	
	Dhirendra Yadav	Rabindra Kr.	Inakur	H.K. Mand	al/Rajan Shre	stha		Giresh Chand	

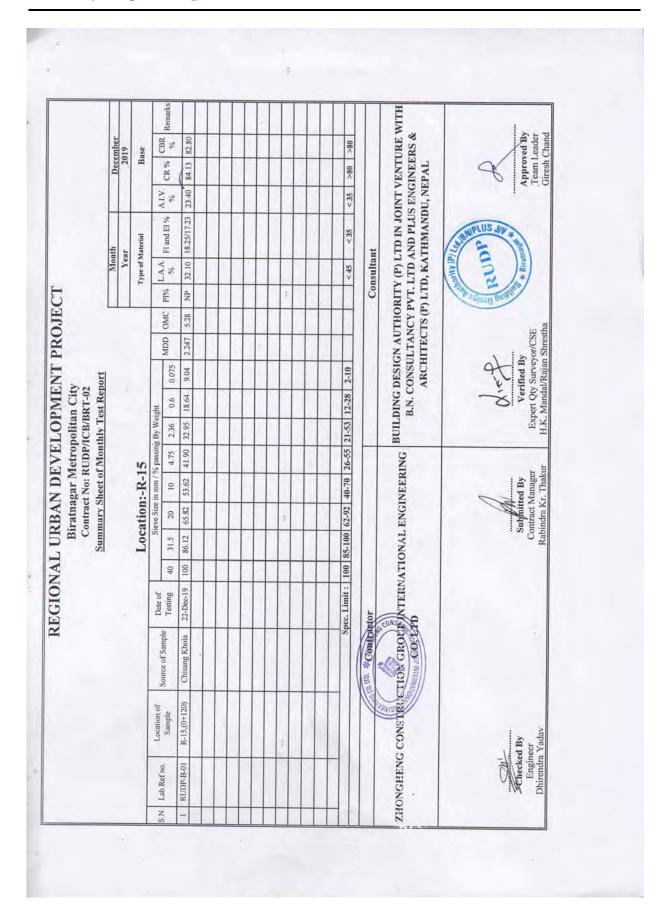






					RUDP/ICB/				
							Month		ember
		L	cation:	-R-9.(R-	30 to R-37)		Year Type of Material		019 Base
					re content %	Den	sity(gm/cc)	Compa	action %
sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Di		Compaction	The second second
1	RUDP-B-FD-1, L/S	10-Dec-19	0+050	5.60	5.71	density 2.256		99.42	98
2	RUDP-B-FD-1, R/S	10-Dec-19	0+100	5.60	5.62	2.256		(98.85	98
3	RUDP-B-FD-1, L/S	10-Dec-19	0+160	5.60	5.27	2.256		(99.30	98
4	RUDP-B-FD-1, C/L	10-Dec-19	0+190	5.80	5.02	2.249	2.221	(98.76	98
5	RUDP-B-FD-1, L/S	10-Dec-19	0+210	5.80	5.65	2.249	2.240	(99.59	98
4									
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_									
	Contrac	INTERNADO	- 5				Consultant		
I	ZHONGHENG CONSTINUE NTERNATION ALENGI	NEERING ED.	UP LTD	BUILDI	NG DESIGN AU FANCY PVT. LT	D AND P	(P) LTD IN JOI LUS ENGINEER: LANDE, NEPAL	S & ARCHITI	E WITH B.N. ECTS (P) LTD
	Checked By	Submittee			ified By	1.5	UDI	Approved E	
	Engineer Dhirendra yadav	Contract Ma Rabindra Kr.	nager	Expert Qty	Surveyor/CSE al/Rajan Shresth			Team Leade Giresh Char	r

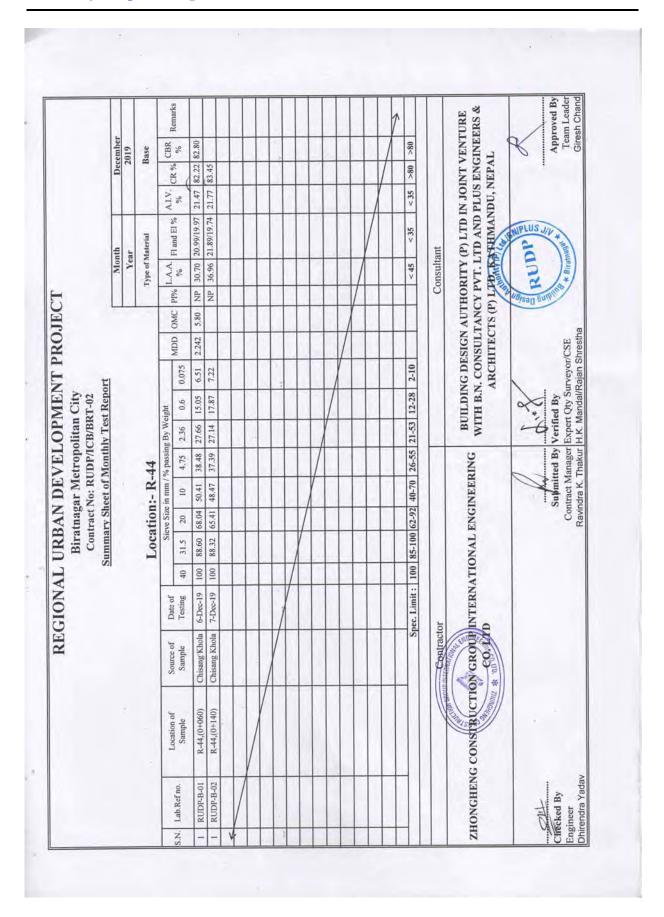






	REG	IONAL	URB Birati	AN D nagar N act No:-	EVELO] Aetropolita RUDP/ICB/	PMENT	ΓPRO	JECT	
			Sumr	nary Shee	t of Field Densi	ty Test			
							Month Year		mber 19
				Moistu	ation:-R-15		pe of Material		ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	e OMC%	Field MC%	Max.Dry	Field Dry	Compaction	Specifie
1	RUDP-B-FD-1, L/S	26-Dec-19	0+040		The state of the s	density	density,	1%	%
2	RUDP-B-FD-1, R/S	26-Dec-19	0+040	5.28	5.18	2.247	2.218	98.71	98
3	RUDP-B-FD-1, L/S	26-Dec-19	0+140	5.28	5.00	2.247	2.244	(99.86 (98.19	98 98
4	RUDP-B-FD-1, R/S	26-Dec-19	0+180	5.28	5.45	2.247	2.240	(99.70	98
								*	
-									
+									
-									
+	, A								
	Contract	or				Cons	ultant		
IN	ZHONGHENG CONSTRUCTIONAL ENGIN	1.1.1	UP LTD	BUILDIN CONSULT	G DESIGN AUT ANCY PVT, LTI	THORITY (P)	LTD IN JOH ENGINEERS DU, NEPAL	NT VENTURE V S & ARCHITEC	WITH B.N. TS (P) LTD
	A December 1	PW		P.	***********	RUD!		Q(	
	Engineer Dhirendra yadav	Contract Mar Rabindra Kr. 1	nager E	xpert Qtv St	ied By urveyor/CSE I/Rajan Shrestha			Approved By Team Leader Giresh Chand	
	Cheeked By	Submitted Contract Mar	By	Verif	Nied By Jrvevor/CSE	RUDI	BU NEPAL	Approved By Team Leader	(1)

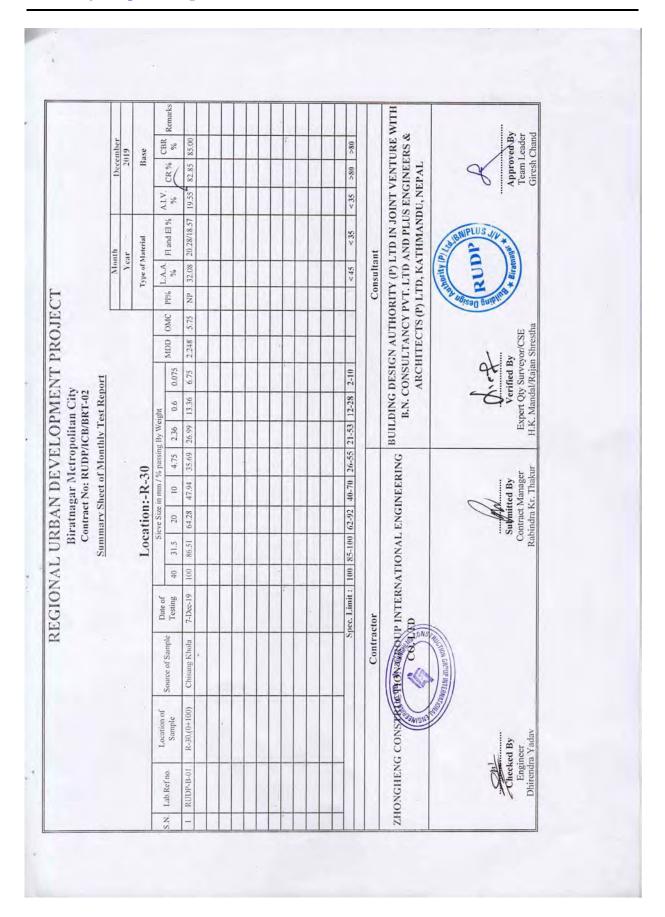






			Biratn	agar M	letropolit RUDP/ICE	an City	NT PRO		1
					of Field Den				+ 4
							Month Year		ember 019
		1	Location	:-R-44			Type of Material	Base	
				Moisture	e content %		ity(gm/cc)	Compaction % Compaction Specified	
šn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dr		Compaction %	Specified %
1	RUDP-B-FD-1, R/S	10-Dec-19	0+020	5.80	5.04	2.242	2.204	98.30	98
2	RUDP-B-FD-1, L/S	10-Dec-19	0+040	5.80	4.75	2.242	2.233	99.60	98
3	RUDP-B-FD-1, R/S	10-Dec-19	0+060	5.80	5.05	2.242	2,209	(98.55	98
4	RUDP-B-FD-1, L/S	10-Dec-19	0+120	5.80	5.41	2.242	2.202	98.22	98
5	RUDP-B-FD-1, L/S	10-Dec-19	0+140	5.80	5.07	2.242	2.232	( 99.70	98
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	ZHONGHENG CONSTINUE RATIONAL ENG	FRUCTION GR	OUP O, LTD	BUILD	ING DESIGN SULTANCY P	VT, LTD	Consultant PTX (P) LTD IN NO PLUS ENG ATHMANDU,	INEERS & ARC	ORE WITH B.N. CHITECTS (P)
End	eked By Jineer rendra Yadav	Submit Contract Ravindra K.	Manager		By ty Surveyor/Cs	Thing Des	RUD!	Appr	oved By n Leader th Chand

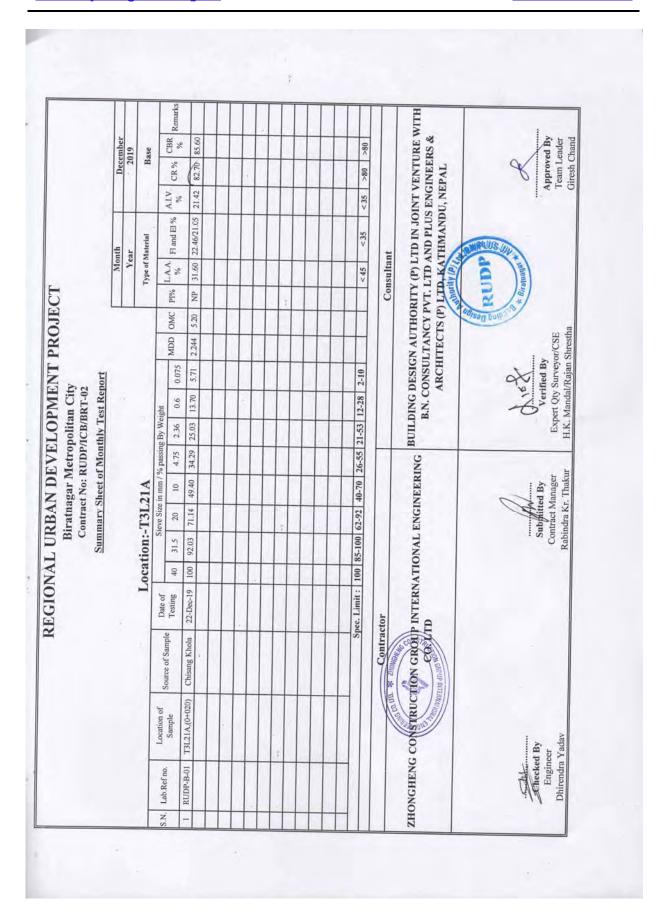






			Contrac	t No:- F	etropolit RUDP/ICB of Field Dens	BRT-02			
			Summa	ry Sneet	of Fleid Dens	sity Test	Month	Dece	mber
			Loca	tion:-R-	-30	20	Year		019
				Moistur	e content %		rpe of Material (gm/cc)		ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry	Field Dry	Compaction	Specifie
1	RUDP-B-FD-1, L/S	10-Dec-19	0+040	5.75	5.51	density 2.248	density, 2.233	99.35	%
2	RUDP-B-FD-1, R/S	10-Dec-19	0+040	5.75	5.63	2.248	2,207	98.18	98 98
3	RUDP-B-FD-1, C/L	10-Dec-19	0+150	5.75	5.57	2.248	2,237	99.50	98
4	RUDP-B-FD-1, R/S	10-Dec-19	0+190	5.75	5.81	2.248	2.212	(98.38	98
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	Contrate	1/10				Co	nsultant	010000	
	ZHONENE CONSTR	Wendy cuo	LID	BUILDIN	G DESIGN A	UTHORITY	P) LTD IN IC	DINT VENTUDI	EWITHE
	CELLO CONSTR	CHO CKO	UF	CONSTI	LTANCY PVT	LA BOUNT	AMSENCIA	DINT VENTURI EERS & ARCH	Precie on
17	TER TONAL ENGL	VIERING CO.	LTD	- 1711001		100	The state of the	BERS & ARCH	TIECIS (P
	OUD. St. ZHOWEN					KATH	MAYDU, NE	PAL /	
	MIN SE UII O	^			N	RUI	IL E	/	
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	- July -	111		71		13/10	15	01/	
	S.M.	W W		······································		131	121		
		Subplittee	By :	Verif	ied By	(mg	3081	Approved By	,
	Checked By	Contract Ma	nager	Expert Oty	Surveyor/CSE	* Birt	mes	Team Leader	
	Engineer				al/Rajan Shre	a kin m		Giresh Chanc	
		Rabindra Kr.	Thakur II	T.R. IVIANO		sina			1

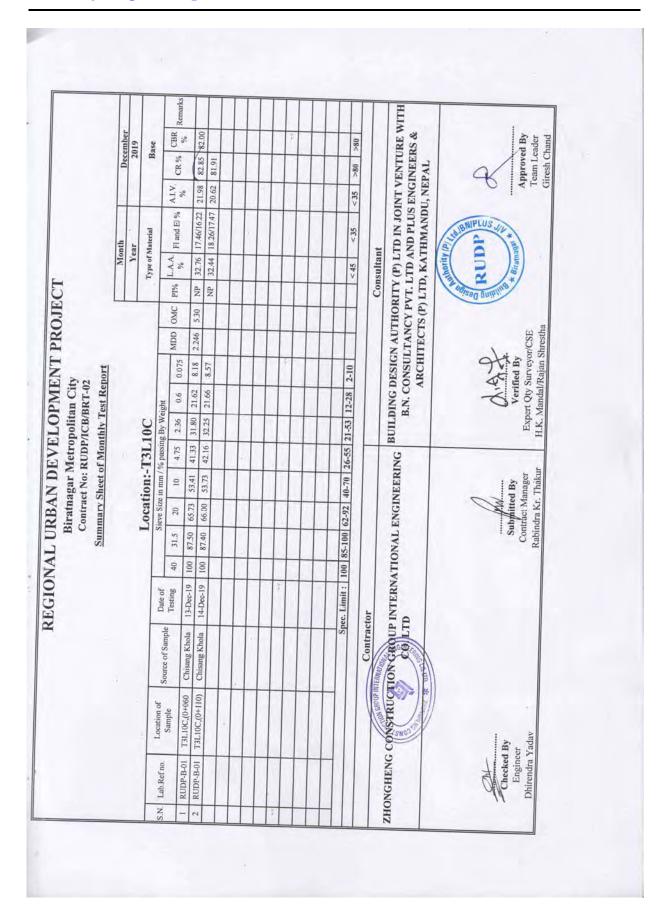






Name		REGI	ONAL I	Biratn Contra	agar N ct No:- 1	1etropoli RUDP/ICI	tan City B/BRT-02		DJECT	
Lab.Ref.no   Testing Date   Chainage   OMC%   Field MC%   Max.Dry   Field Dry   Compaction %   %   %   %   %   %   %   %   %   %					ion:-T3L	.21A		Month Year	2019	
RUDP-B-FD-1, R/S   25-Dec-19   0+010   5.20   4.80   2.244   2.211   98.53   98	Sn.	Lab.Ref.no	Testing Date	Moisture content % De Chainage OMC% Field MC% Max.I				y(gm/cc) Field Dry	Compaction Specified	
Contractor  Consultant  Dileng Construction Group Intervational, Engineering Co. Ltd  Building Design Authority (P) Ltd in Joint Venture with B.N. Consultant Consultancy PVI. Ltd And Phils Engineers & Architects (P)  Ltd, Kathimandl, Nepal				0+010	5.20	4.80				
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	2	RUDP-B-FD-1, L/S	25-Dec-19	0+030	5.20	4.91	2.244			
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N  CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P)  LTD, KATHMANDU, NEPAL										
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N  CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P)  LTD, KATHMANDU, NEPAL										
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N  CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P)  LTD, KATHMANDU, NEPAL										
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N  CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P)  LTD, KATHMANDU, NEPAL	1									
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N  CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P)  LTD, KATHMANDU, NEPAL										
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N  CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P)  LTD, KATHMANDU, NEPAL	-									
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N  CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P)  LTD, KATHMANDU, NEPAL										
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N  CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P)  LTD, KATHMANDU, NEPAL										41
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N  CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P)  LTD, KATHMANDU, NEPAL										
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	+									
ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N  CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P)  LTD, KATHMANDU, NEPAL										
LTB, KATTIMANDU, NEPAL			-				Cor	sultant		
1 SX (RUDI)	IN	A TATIONAL ENGIN	CTION GROUE EERING CO. I	UP	BUILDING	TANCY PVT.	LTD AND P	<b>LUS ENGINE</b>	ERS & ARCHI	WITH B.N. TECTS (P)
Checked By Submitted By Verified By Approved By			Substitut	Rv	1		THE STATE OF THE PARTY OF THE P	atnayal *		
Engineer Contract Manager Dhirendra Yadav Rabindra Kr. Thakur Rabandra Kr. Thakur H.K. Mandal/Rajan Shrestha Giresh Chand	D	Engineer	Contract Man	ager	Expert	Oty Surveyor/C	SE estha		Team Leader	

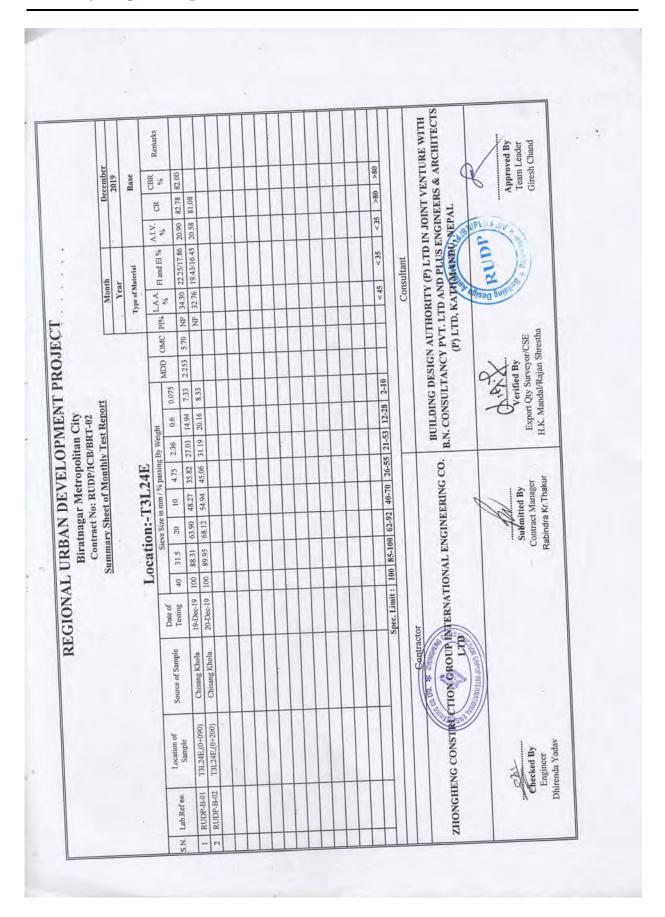






	REGI	ONAL (	JRBA Biratna	N DI	EVELO Ietropolit	PMEN	T PRO	<b>JECT</b>	
	140	1	Contrac	t No:- 1	RUDP/ICE	B/BRT-02			
					of Field Den				
							Mouth	Dece	ember
			Locati	on:-T31	L10C	T	Year ype of Material		019 ase
Sn.	Lab.Ref.no		200	Moistur	e content %		(gm/cc)		ase action %
SII.	Lab.Rei,no	Testing Date	Chainage	ОМС%	Field MC%	Max.Dry	Field Dry	Compaction	Specifie
1	RUDP-B-FD-1, R/S	16-Dec-19	0+020	5.30	5.86	density	density,	/%	%
2	RUDP-B-FD-1, L/S	16-Dec-19	0+050	5.30	4.60	2.246	2.202	98.04	98
3	RUDP-B-FD-1, R/S	16-Dec-19	0+090	5.30	4.00	2.246	2.209	(98.36	98
4	RUDP-B-FD-1, L/S	16-Dec-19	0+120	5.30	4.57	2.246	2.226	98.26	98
1							2,220	77,13	98
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-	HONGE Contracto			FIRE PARK	ppor	Cons	ultant		
IN	HONSHENG CONSTRE TERMATIONAL ENGIN	CTYON GROU	P	CONSUL	TANCY PUT	THORITY (P	FID IN JOI	NT VENTURE	WITH B.N.
24.1		LING CO. L.	TD ;		I	TIE KATHM	ANDU, NEPA	L ARCHIT	ECTS (P)
	SCOURS * SHOWGHE	- 1		Lan .	W	ER	1:1	0/	
	211	KA		7.	20	( all of	191	K	
-	Effecked By	Submitted E			erified By	* 300			
D	Engineer hirendra Yadav	Contract Mana	ager	Expert C	ty Surveyor/CS	E		Approved By Team Leader	
- 0	micridia radav	Rabindra Kr. Ti	nakur   I	H.K. Mand	lal/Rajsn Shre	stha	(	Giresh Chand	

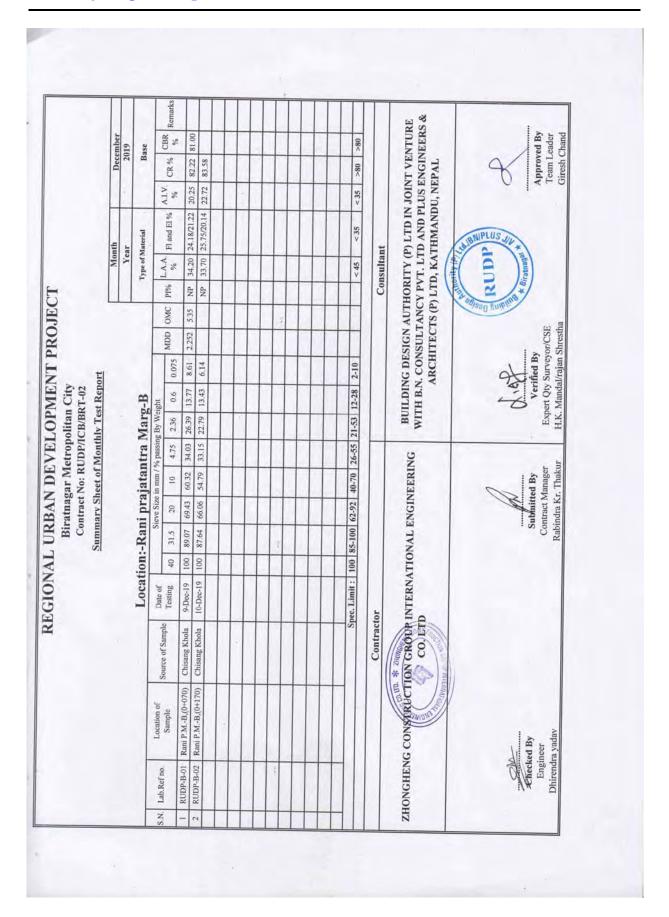






	REGI	IONAL	Biratn	agar N	EVELOI Ietropolita	n City	r PRO.	JECT	
					RUDP/ICB/			(4)	
			Summ	ary Snee	t of Field Densi	ty Test	Month	Dane	mber
							Year		19
					n:-T2L24E		pe of Material		ise
Sn.	Lab.Ref.no	Testing Date	Chainage			Max.Dry	(gm/cc) Field Dry	Compa	ction % Specified
	Laterno	Testing Date	Chamage	OMC%	Field MC%	density	density,	2%	%
1	RUDP-B-FD-1, L/S	22-Dec-19	0+020	5.70	5.81	2.253	2.228	798.87	98
2	RUDP-B-FD-1, C/L	22-Dec-19	0+060	5.70	5.56	2.253	2.214	(98.27	98
3	RUDP-B-FD-1, L/S	22-Dec-19	0+090	5.70	4.88	2.253	2.247	(99.75	98
4	RUDP-B-FD-1, C/L	22-Dec-19	0+120	5.70	4.15	2.253	2.237	(99.31	98
5	RUDP-B-FD-1, L/S	22-Dec-19	0+160	5.70	5.74	2.253	2.251	(99.89	98
6	RUDP-B-FD-1, R/S	22-Dec-19	0+190	5.70	5.16	2.253	2.218	(98.42	98
			0						
	Contrac	tor				Con	sultant		
1	ZHENGHENG CONSTRUCTIONAL ENGRAPHISM ADJUNG MONTH	RUCTION GRO NEERING CO.	UP LTD	BUILDII CONSULT	NG DESIGN AU FANCY PVT, LT	THORITY (P	TTD IN JOI SENGINEER NDUZNEPAL	INT VENTURE S & ARCHITE	WITH B.N. CTS (P) LTD
				9	24	Biratn	agar #	8	
	Engineer Dhirendra Yadav	Submitted Contract Ma Rabindra Kr.	nager	Expert Oty	ified By Surveyor/CSE lal/Rajan Shrest	ha		Approved By Team Leader Giresh Chance	

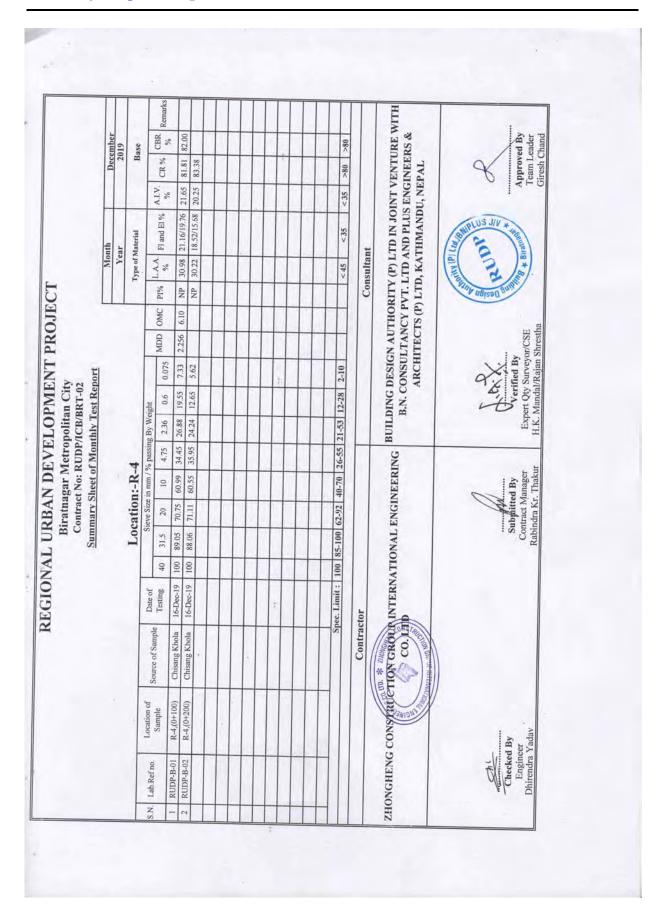






	, KLOI	ONAL U	Biratna	agar M	etropolit RUDP/ICB	an City	1 PKU	JECT	
					of Field Dens				
			-	i Direct	or ricid Della	my rest	Month	Dece	mber
		Tabadani	D ' D			. [	Year		119
		Location:-	Kani Pr		ra Marg -I	And the second second second	ype of Material /(gm/cc)		ase
n.	Lab.Ref.no	Testing Date	Chainage		Field MC%	Max.Dry	Field Dry	Compaction	Specified
1	RUDP-B-FD-1, R/S	13-Dec-19	0+040	5.35	4.59	density 2.252	density, 2.247	99.78	98
2	RUDP-B-FD-1, C/L	13-Dec-19	0+060	5.35	5.06	2.252	2.216	98.41	98
3	RUDP-B-FD-1, L/S	13-Dec-19	0+120	5.35	5.09	2.252	2.208	98.06	98
4	RUDP-B-FD-1, C/L	13-Dec-19	0+170	5.35	4.15	2.252	2.220	(98.58	98
							21220	( )0.00	20
7									
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_									7
_	Contrac	tor				Co	nsultant		
I	ZHONGHENG CONSTR NITERNATIONAL ENG	RUCTION GRO NEERING CO.	UP LTD	BUILDIN	G DESIGN A LTANCY PVI	C. L.COOKNO	P) LTD IN JO PLUS ENGIN IMANDU, NE	DINT VENTURI EERS & ARCH PAL	E WITH B.N. ITECTS (P)
	- All Billion	1	1	5	4.	S RI		/	
	Checked By	Submitted	- T		ied By	Ting T		Approved By	
	Engineer Dhirendra Yadav	Contract Ma Rabindra Kr.	nager	Expert Qty	Surveyor/CSE lal/Rajan Shre	etha		Team Leader	
_		nubillia N.	manui	i.r. Mario	airi ajan onre	Suld		Giresh Chanc	







	REGI		Biratna	agar M	etropolit	an City	NT PRO	<b>JECT</b>	
		- 1	Contrac	t No:- F	RUDP/ICE	3/BRT-02			
	-		Summa	ry Sheet	of Field Den	sity Test			
						-	Month		mber 19
					tion:-R-4	7	Type of Material		
C.,	1.100				e content %		ty(gm/cc)	Compa	ction %
Sn.	Lab.Ref.no	Testing Date	Chainage	OMC%	Field MC%	Max.Dry		Compaction	Specified
1	RUDP-B-FD-1, L/S	20-Dec-19	0+050			density	density,	%	%
2	RUDP-B-FD-1, C/L	20-Dec-19	0+030	6.10	5.78 5.22	2.256	2.233	98.98	98
3	RUDP-B-FD-1, R/S	20-Dec-19	0+150	6.10	5.02	2.256	2.225	98.64	98
4	RUDP-B-FD-1, C/L	20-Dec-19	0+190	6.10	5.76		2.225	98.61	98
4	RUDP-B-FD-1, L/L	20-Dec-19	0+210	6.10	5.45	2.256	2.226	98.65	98
6	RUDP-B-FD-1, R/S	20-Dec-19	0+210	6.10	5.27	2.256	2.253	99.87	98
K	.,,,,,,,,	20-200-19	0.250	0.10	3,41	2,230	2.224	98.58	98
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	Contract	or				Co	onsultant		
	ZHONGHENG CONSTR	15		BUILDING	G DESIGN AT	THODITY	(D) I TO IN 10	INT VENTURE	
I	NTERNATIONAL ENGIN	VEERING CO. I	TD	CONSUL	TANCY PVT	LTDAND	PLUS ENGINI	EERS & ARCHI	TECTS (P)
	ANOTAMAST W RUTHO WOL	3/				LTORATI	IMANDI, NEI	EERS & ARCHI	/
-	HOSTIM BILDER					[3]	13/2	/	
		1	-		21.	PRU	SS	/	
	**	11	3	18	N.A.	1.1	15	06	
	<u> </u>	104		T.		WH H B	and /	0	
	Checked By	Sulmitted		Verific	ed By			Approved By	
	Engineer Dhirendra Yadav	Contract Mar Rabindra Kr. 1	nager E	xpert Qty S	urveyor/CSE al/Rajan Shres			Team Leader	
_		rabildia N.	nakui ji	I.N. IVIANUE	ai/Rajan Shres	stna		Giresh Chand	



REGIONAL URBAN DEVELOPMENT PROJECT   Biratnagar Metropolitian City   Contract No: RUDP/ICB/BRT-02   SUMMARY FOR THE MONTH OF DECEMBER 2019	2376.50         0.00         2376.50         2550         1.07           786.25         0.00         786.25         850         1.08	164.30	Specific Gravity of Bitumen	Consultant		Expert Ony Surveyon/CSE  H.K. Mandal/RajanShrestha
((r)	0.00 2376.50 0.00 786.25	164.30		Consulta	DING DESIGN AUTHORITY (P) LTI SULTANCY PVT. LTD AND-PLUS. LTD, KATHIMAND	n ugisa O garr
RBAN DEVELOPMENT PR   iratnagar Metropolitan City	00.00				DING DESIGN AL SULTANCY PVT.	rified By y Surveyor/CSE Jal/RajanShrestha
RBAN DEVELOPM iratnagar Metropolitan Catract No: RUDP/ICB/BR attion Rate Check for I RY FOR THE MONTH GArea of Intersection Priming (m2) Area m2 316.20 0.00 360.00 0.00 0.00 986.00 0.00 986.00 0.00 986.00 0.00 986.00 0.00		0000	0.00		SUL	Tries and the state of the stat
RBAN DEN iratnagar Met attract No: RUJ cation Rate C RY FOR THE Area of Priming (m2) 316.20 361.00 886.00 886.00 886.00	6.25		2		CON	Expert Qu
R sat in a B	78	164.30	233.60 pat 1.0 Lit/		NEERING	ed By Manager r. Thakur
AAL UR Bit Con SumMAE Side of Priming Both side Both Side	Both Side Both Side	Both Side	12-Dec-19 0+053 0+126 Both Side 233.60 0.00  Required specification for Prime coat 1.0 Lit/M2 ± 5%		IONAL ENG	Subfairted By Contract Manager Rabindra Kr. Thakur
GION Dail 10 10 10 10 10 10 10 10 10 10 10 10 10	6+545	0+053	0+126 ation fo		NTERNAT	
Station From 0+000 0 0+000 0 0+000 0 0+050 0 0+1+360	6+545	000+0	0+053 Specific	Contractor	GROUPA CO. L'ID	
00 P.G C 70:MC30 Date of Priming 6-Dec-19 6-Dec-19 7-Dec-19	09-Dec-19 11-Dec-19	11-Dec-19	12-Dec-19 Required		TRUCTION	
Type of Bitumen:80/100 P.G  Cutter Percentage:MC 70:MC30 SN Location Date of Priming 1 T3L13C 6-Dec-19 2 R-74 6-Dec-19 4 R-3 7-Dec-19 5 R-2 08-Dec-19	R-3	T3L11E	T3L11E		ZHONGHENG CONSTRUCTION SROUP INTERNATIONAL ENGINEERING	Thecked By Engineer Dhirendra Yadav
Type of Cutter P SN NO 1 1 1 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	9 1	ω .	o o		ZHONG	Dhire E

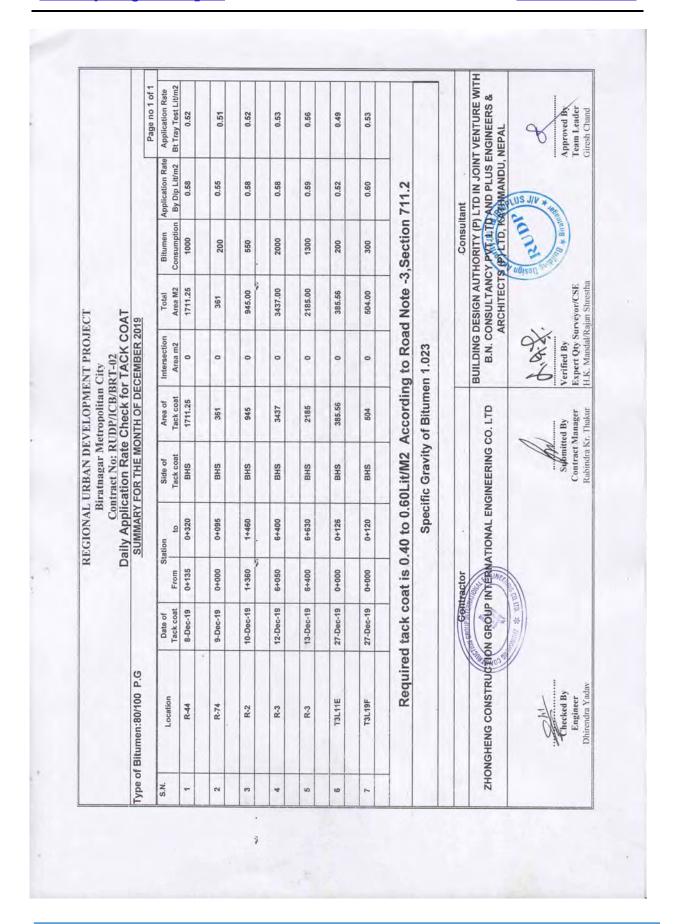


		Page no 1 of 2	Application Rate Application Rate By Deep Ltr/m2 Bt Tray Test Ltr/m2	1.07	1.06	1.05	1.08	1.04 1.04	1.06	1.05 1.04	1.07 1.05	nen 1.023	nt	BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PAUS ENGINEERS & ARCHITECTS (P) LTD, KASSWANDE AEPAL	Approved By. Team Leader Giresh Chand
OJECT	SUMMARY FOR THE MONTH OF DECEMBER 2019		Bitumen Consumption (Ltr)	525	1450		700	920	475	950	1300	Specific Gravity of Bitumen 1.023	Consultant	JTHORITY (P) LTD LTD AND PLUS E	The Break of the B
IONAL URBAN DEVELOPMENT PROJECT Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 Daily Application Rate Check for Priming work	OF DECEN		Total Area M2	491.40	1365.00	666.00	650.00	527.04	450.00	904.80	1215.00	Specific		DESIGN AL	Expert Qty Surveyor/CSE
/ELOPM ropolitan C DP/ICB/BR Sheck for I	MONTH		Intersection Area m2	0.00	0.00	0.00	0.00	00.00	0.00	0.00	0000	M2 ± 5%		CONSUL	Verified P. Expert Qty Surv. H.K. Mandal/Raja
URBAN DEVELOPMEN Biratnagar Metropolitan City Contract No: RUDP/ICB/BRT-02 plication Rate Check for Primi	Y FOR THI		Area of Priming ( m2)	491.40	1365.00	00.999	650.00	527.04	450.00	904.80	1215.00	oat 1.0 Lit/		INEERING	ed By Manager r. Thakur
	SUMMAR		Side of Priming	Both side	Both Side	Both Side	Both Side	Both Side	Both Side	Both Side	Both Side	pecification for Prime coat 1.0 Lit/M2 ± 5%		IONAL ENG	Submitted By Contract Manager Rabindra Kr. Thakur
REGIONAL Daily Ap			ion	0+117	0+150	.0+180	0+130	0+122	0+220	0+232	0+180	ation fo	_	NTERNAT	
~			Station From	0+000	0+000	0+000	0+000	0+000	0+130	000+0	0+000	specific	Contracto	GROUP II	ALCON COMPANY
	00 P.G	3 70:MC30	Date of Priming	12-Dec-19	13-Dec-19	15-Dec-19	16-Dec-19	16-Dec-19	17-Dec-19	17-Dec-19	28-Dec-19	Required s		TRUCTION *	Nobel and All Andrea W
	Type of Bitumen:80/100 P.G	Cutter Percentage: MC 70: MC30	Location	T2L19F	R-44	Rani Pratantra marg,B	R-9	N-3	R-9	R-30	R-5			ZHONGHENG CONSTRUCTION REQUESTING CONSTRUCTION OF STATEMENT CONSTRUCTI	Engineer Dhirendra Yadav
	Type of	Cutter	NO ON	10	11	12	13	14	15	16	11			ZHON	Oli T. Initia

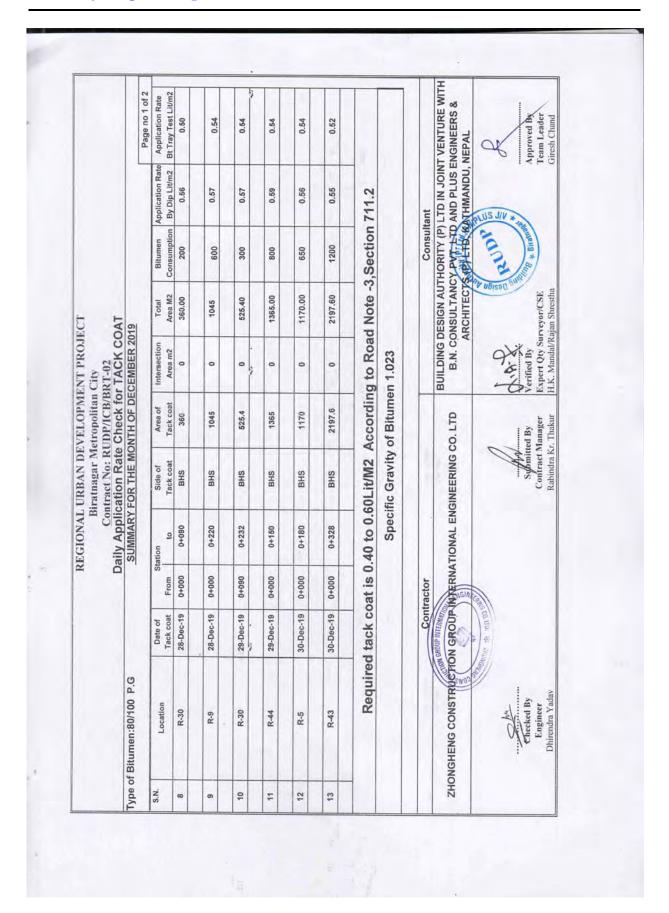


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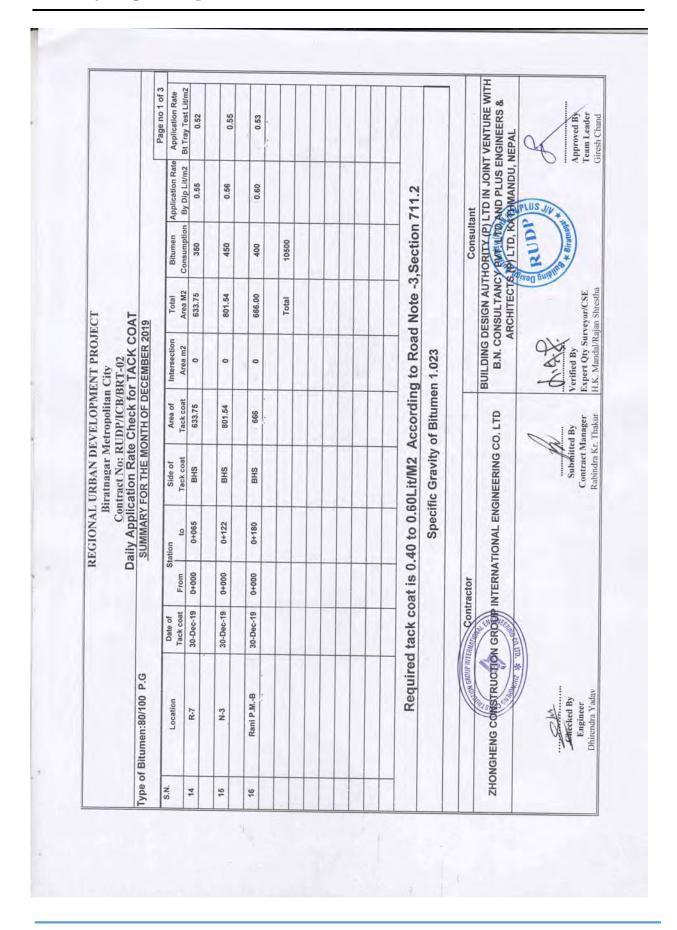














Contract No. RIUPICEORRIA   22 de   0.075	Contract No.   Test Result BY MARSHALL				
Test Result BY MARSHALL	Test Result BY MARSHALL				
Comparison   Com	Companies   Comp				
SUMMARY FOR THE MONTH   SUMMARY FOR THE MONTH	SUMMARY FOR THE MONTH  SUMMARY FOR THE MONTH  SUMMARY FOR THE MONTH  Nix A  155  157  158  158  158  158  158  158				
Second Press;   Second Press	Second Color   Seco				P.g No. 1
156   81/12/2019   R-44,(0+135 to 0+330)   100   100   78,548     158   81/12/2019   R-34,(0+135 to 0+330)   100   100   78,244     158   101/12/2019   R-34,(0+000 to 0+095)   100   100   78,244     159   101/12/2019   R-34,(0+000 to 0+1090)   100   100   78,40     160   27/12/2019   R-34,(0+000 to 0+120)   100   100   78,89     161   27/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     163   28/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     164   28/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     165   29/12/2019   R-34,(0+000 to 0+120)   100   100   78,89     167   39/12/2019   R-34,(0+000 to 0+120)   100   100   78,89     168   39/12/2019   R-34,(0+000 to 0+120)   100   100   78,89     170   39/12/2019   R-34,(0+000 to 0+165)   100   100   78,89     171   39/12/2019   R-34,(0+000 to 0+180)   100   100   78,89     172   39/12/2019   R-34,(0+000 to 0+180)   100   100   78,89     173   39/12/2019   R-34,(0+000 to 0+180)   100   100   78,89     174   39/12/2019   R-34,(0+000 to 0+180)   100   100   78,89     175   39/12/2019   R-34,(0+000 to 0+180)   100   100   78,89     175   39/12/2019   R-34,(0+000 to 0+180)   100   100   78,89     176   39/12/2019   R-34,(0+000 to 0+180)   100   100   78,89     177   39/12/2019   R-34,(0+000 to 0+180)   100   100   78,89     178   39/12/2019   R-34,(0+000 to 0+180)   100   100   78,89     179   39/12/2019   R-34,(0+000 to 0+180)   100   100   78,89     170   39/12/2019   R-34,(0+000 to 0+180)   100   100   78,89     170   39/12/2019   R-34,(0+000 to 0+180)   100   100   78,89     170   39/12/2019   R-34,(0+000 to 0+180)   100   100   79,11     170   39/12/2019   R-34,(0+000 to 0+180)   100   100   79,11     170   39/12/2019   R-34,(0+000 to 0+180)   100   100   79,11     170   39/12/2019   R-34,(0+000 to 0+180)   100   100   100   79,11     170   39/12/2019   R-34,(0+000 to 0+180)   100   100   100   79,11     170   39/12/2019   R-34,(0+000 to 0+180)   100   100   100   79,11     170   39/12/2019   R-34,(0+000 to 0+180)   100   100   100   100   100	156   81/12/2019   R-44,(0+135 to 0+330)   100   100   78,548     158   81/12/2019   R-34,(0+135 to 0+330)   100   100   78,244     158   101/12/2019   R-34,(0+000 to 0+095)   100   100   78,244     159   101/12/2019   R-34,(0+000 to 0+1090)   100   100   78,40     160   27/12/2019   R-34,(0+000 to 0+120)   100   100   78,89     161   27/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     163   28/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     164   28/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     165   29/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     167   39/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     169   39/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     170   39/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     171   39/12/2019   R-30,(0+000 to 0+122)   100   100   78,89     171   39/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     172   39/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     173   39/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     174   39/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     175   39/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     176   39/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     177   39/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     178   39/12/2019   R-30,(0+000 to 0+120)   100   100   78,89     179   39/12/2019   R-30,(0+000 to 0+120)   100   100   79,91     170   39/12/2019   100   100   100   100   100   100   100   100     170   170   170   170     170   170   170   170   170   170     170   170   170   170   170   170     170   170   170   170   170   170     170   170   170   170   170   170     170   170   170   170   170   170	Mix Density			i
156   81/12/2019   R-44,(0+135 to 0+320)   100   100   78.64     158   91/12/2019   R-74,(0+100 to 0+095)   100   100   78.40     158   101/12/2019   R-74,(0+000 to 0+1460)   100   100   78.40     150   131/12/2019   R-3,(6+4600 to 0+120)   100   100   78.03     161   27/12/2019   R-3,(6+4600 to 0+120)   100   100   78.63     162   27/12/2019   R-3,(0+000 to 0+120)   100   100   78.26     163   28/12/2019   R-3,(0+000 to 0+120)   100   100   78.26     164   27/12/2019   R-3,(0+000 to 0+120)   100   100   78.26     165   29/12/2019   R-3,(0+000 to 0+120)   100   100   78.26     166   29/12/2019   R-3,(0+000 to 0+120)   100   100   78.46     167   30/12/2019   R-3,(0+000 to 0+120)   100   100   78.46     168   30/12/2019   R-3,(0+000 to 0+120)   100   100   78.46     171   30/12/2019   R-3,(0+000 to 0+120)   100   100   78.89     171   30/12/2019   R-3,(0+000 to 0+120)   100   100   78.89     171   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   70.01     289   289   289   289   289   289     299   299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299   299     299   299   299   299   299     299   299   299   299   299     299   299   299   299   299	156   81/12/2019   R-44,(0+135 to 0+320)   100   100   78.68     157   97/12/2019   R-74,(0+100 to 0+095)   100   100   78.40     158   101/12/2019   R-74,(0+000 to 0+1460)   100   100   78.40     150   137/12/2019   R-3,(6+4600 to 0+120)   100   100   78.03     161   27/12/2019   R-3,(6+4600 to 0+120)   100   100   78.63     162   27/12/2019   R-3,(0+000 to 0+120)   100   100   78.26     163   28/12/2019   R-3,(0+000 to 0+120)   100   100   78.26     164   27/12/2019   R-3,(0+000 to 0+120)   100   100   78.26     165   28/12/2019   R-3,(0+000 to 0+120)   100   100   78.26     166   29/12/2019   R-3,(0+000 to 0+120)   100   100   78.26     167   30/12/2019   R-3,(0+000 to 0+120)   100   100   78.46     168   30/12/2019   R-3,(0+000 to 0+120)   100   100   78.46     169   30/12/2019   R-3,(0+000 to 0+120)   100   100   78.46     170   30/12/2019   R-3,(0+000 to 0+120)   100   100   78.46     171   30/12/2019   Rani P.MB.(0+000 to 0+120)   100   100   78.45     171   30/12/2019   Rani P.MB.(0+000 to 0+120)   100   100   78.62     2400 Mix Tolerances from RUDP Specification Table2-4-10   25%   Nill   25%     2400 Mix Tolerances from RUDP Specification Table2-4-10   25%   Nill   25%     2400 Mix Tolerances from RUDP Specification Table2-4-10   25%   Nill   25%     2400 Mix Tolerances from RUDP Specification Table2-4-10   25%   Nill   25%     2400 Mix Tolerances from RUDP Specification Table2-4-10   25%   Nill	gm/cc	_	Stability N	Flow mm
157   9/12/2019   R-2/4(0+000 to 0+095)   100   100   78.49     158   10/12/2019   R-2/4(0+000 to 0+1460)   100   100   78.40     150   13/12/2019   R-3/4(0+000 to 0+120)   100   100   78.03     161   27/12/2019   R-3/4(0+000 to 0+120)   100   100   78.03     162   27/12/2019   R-3/4(0+000 to 0+120)   100   100   78.26     163   28/12/2019   R-3/4(0+000 to 0+120)   100   100   78.26     164   28/12/2019   R-3/4(0+000 to 0+120)   100   100   78.26     165   28/12/2019   R-3/4(0+000 to 0+120)   100   100   78.26     165   28/12/2019   R-3/4(0+000 to 0+120)   100   100   78.26     166   29/12/2019   R-3/4(0+000 to 0+120)   100   100   78.46     167   30/12/2019   R-3/4(0+000 to 0+120)   100   100   78.46     170   30/12/2019   R-3/4(0+000 to 0+120)   100   100   78.46     171   30/12/2019   Rani P.MB.(0+000 to 0+120)   100   100   78.89     171   30/12/2019   Rani P.MB.(0+000 to 0+120)   100   100   78.89     172   30/12/2019   Rani P.MB.(0+000 to 0+120)   100   100   79.01     246   RANRAS:    240   240   240   240   240   240   240     250   240   240   240   240   240     250   240   240   240   240   240     250   240   240   240   240   240     250   240   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240   240     250   240   240   240     250   240   240	157   9/12/2019   R-2/4(0+000 to 0+095)   100   100   78.44     158   10/12/2019   R-2/4(0+000 to 0+1460)   100   100   78.40     150   13/12/2019   R-3/4(0+000 to 0+120)   100   100   78.03     161   27/12/2019   R-3/4(0+000 to 0+120)   100   100   78.03     162   27/12/2019   R-3/4(0+000 to 0+120)   100   100   78.25     163   28/12/2019   R-3/4(0+000 to 0+120)   100   100   78.25     164   28/12/2019   R-3/4(0+000 to 0+120)   100   100   78.25     165   29/12/2019   R-3/4(0+000 to 0+120)   100   100   78.25     165   29/12/2019   R-3/4(0+000 to 0+120)   100   100   78.25     166   29/12/2019   R-3/4(0+000 to 0+120)   100   100   78.45     167   30/12/2019   R-3/4(0+000 to 0+122)   100   100   78.45     170   30/12/2019   R-3/4(0+000 to 0+122)   100   100   78.45     171   30/12/2019   R-3/4(0+000 to 0+122)   100   100   78.45     171   30/12/2019   R-3/4(0+000 to 0+122)   100   100   78.85     171   30/12/2019   R-3/4(0+000 to 0+122)   100   100   78.85     171   30/12/2019   R-3/4(0+000 to 0+122)   100   100   78.85     172   30/12/2019   R-3/4(0+000 to 0+122)   100   100   78.85     173   30/12/2019   R-3/4(0+000 to 0+122)   100   100   78.85     174   30/12/2019   R-3/4(0+000 to 0+122)   100   100   78.85     175   30/12/2019   R-3/4(0+000 to 0+122)   100   100   78.85     171   30/12/2019   R-3/4(0+000 to 0+122)   100   100   78.85     172   30/12/2019   R-3/4(0+000 to 0+122)   100   100   78.85     173   30/12/2019   R-3/4(0+000 to 0+122)   100   100   79.01     246   R-3/4(0+000 to 0+122)   20/12/2019	+	16.32	11587	2.42
158   100/12/2019   R-2,(1+3/0)   100   100   78.40     160   13/12/2019   R-3,(6+000 to 6+400)   100   100   78.46     161   27/12/2019   R-3,(6+000 to 6+120)   100   100   77.22     162   27/12/2019   R-3,(6+000 to 6+120)   100   100   77.22     163   28/12/2019   R-3,(0+000 to 6+120)   100   100   78.89     164   28/12/2019   R-3,(0+000 to 6+120)   100   100   78.26     165   28/12/2019   R-3,(0+000 to 6+120)   100   100   78.26     166   28/12/2019   R-3,(0+000 to 6+120)   100   100   78.46     167   36/12/2019   R-3,(0+000 to 6+120)   100   100   78.46     171   36/12/2019   R-3,(0+000 to 6+120)   100   100   78.89     171   36/12/2019   R-3,(0+000 to 6+122)   100   100   77.92     171   36/12/2019   Rani P.MB,(0+000 to 6+122)   100   100   78.89     171   36/12/2019   Rani P.MB,(0+000 to 6+122)   100   100   79.01     172   36/12/2019   Rani P.MB,(0+000 to 6+122)   100   100   78.89     173   36/12/2019   Rani P.MB,(0+000 to 6+122)   100   100   79.01     174   36/12/2019   Rani P.MB,(0+000 to 6+180)   100   100   79.01     175   Specifacations   Califoration Table24-10   £5%   Nill   £5%     175   176   176   176   176   176   176   176     176   177   176	158   10/12/2019   R-2,(1+360 to 1+460)   100   100   78.46     161   13/12/2019   R-3,(6+400 to 6+630)   100   100   78.04     162   27/12/2019   R-3,(6+400 to 6+120)   100   100   77.22     163   27/12/2019   R-3,(6+400 to 6+120)   100   100   77.22     163   28/12/2019   R-3,(0+600 to 6+120)   100   100   78.89     164   23/12/2019   R-3,(0+600 to 6+120)   100   100   78.26     165   23/12/2019   R-3,(0+600 to 6+220)   100   100   78.26     166   23/12/2019   R-3,(0+600 to 6+220)   100   100   78.26     167   36/12/2019   R-3,(0+600 to 6+120)   100   100   78.46     168   36/12/2019   R-3,(0+600 to 6+120)   100   100   78.46     169   36/12/2019   R-3,(0+600 to 6+120)   100   100   78.46     171   36/12/2019   Rani P.MB,(0+600 to 6+120)   100   100   79.01     171   36/12/2019   Rani P.MB,(0+600 to 6+180)   100   100   79.01     172   Specifications   Specification Table2-4-10   £5%   Nill   £5%     24/00/GHENG CONS/RUCTION/SROUP INTERATIONAL ENGINEERING CO. LTD		16.60	683	2.37
150   101   102   101   100   100   18.46   100   1100   18.46   101   121/12/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019	150   101   102   101   100   100   18.46   100   1100   18.46   101   121/12/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019   121/2019		15.90	10126	2.52
162   27/12/2019   100   100   78.25     163   27/12/2019   131.19F,(0+000 to 0+120)   100   100   78.25     164   28/12/2019   131.19F,(0+000 to 0+120)   100   100   78.25     164   28/12/2019   R-30,(0+000 to 0+120)   100   100   78.25     165   29/12/2019   R-30,(0+000 to 0+120)   100   100   78.25     166   29/12/2019   R-30,(0+000 to 0+120)   100   100   78.25     167   30/12/2019   R-44,(0+000 to 0+180)   100   100   78.25     168   30/12/2019   R-44,(0+000 to 0+180)   100   100   78.25     170   30/12/2019   R-3,(0+000 to 0+180)   100   100   78.25     171   30/12/2019   R-3,(0+000 to 0+180)   100   100   78.25     172   30/12/2019   R-3,(0+000 to 0+180)   100   100   79.21     173   30/12/2019   R-3,(0+000 to 0+180)   100   100   79.21     174   30/12/2019   R-3,(0+000 to 0+180)   100   100   79.21     175   30/12/2019   R-3,(0+000 to 0+180)   100   100   79.21     175   30/12/2019   R-3,(0+000 to 0+180)   100   100   79.21     176   30/12/2019   R-3,(0+000 to 0+180)   100   100   79.21     177   30/12/2019   R-3,(0+000 to 0+180)   100   100   79.21     178   30/12/2019   R-3,(0+000 to 0+180)   100   100   79.21     179   30/12/2019   R-3,(0+000 to 0+180)   100   100   79.21     170	162   27/12/2019   100   100   150   172.2   162   27/12/2019   13.   28/12/2019   13.   28/12/2019   13.   28/12/2019   13.   28/12/2019   13.   28/12/2019   13.   28/12/2019   13.   28/12/2019   13.   28/12/2019   13.   28/12/2019   13.   28/12/2019   13.   28/12/2019   13.   28/12/2019   13.   28/12/2019   13.   28/12/2019   14.   28/12/2019   28/12/20	+	16.38	10790	2.60
163   23/12/2019   13/14/2019   100   100   78.82     164   28/12/2019   18-36,(0+600 to 0+120)   100   100   78.26     165   28/12/2019   18-36,(0+600 to 0+120)   100   100   78.26     165   29/12/2019   18-36,(0+600 to 0+122)   100   100   78.26     165   29/12/2019   18-36,(0+600 to 0+122)   100   100   78.26     165   29/12/2019   18-36,(0+600 to 0+122)   100   100   78.26     168   30/12/2019   18-36,(0+600 to 0+180)   100   100   78.46     169   30/12/2019   18-36,(0+600 to 0+180)   100   100   77.92     170   30/12/2019   18-36,(0+600 to 0+180)   100   100   77.92     171   30/12/2019   100   100   78.89     171   30/12/2019   100   100   78.89     172   30/12/2019   100   100   78.89     173   30/12/2019   100   100   78.89     174   30/12/2019   100   100   78.89     175   30/12/2019   100   100   78.89     176   30/12/2019   100   100   78.89     177   30/12/2019   100   100   78.89     178   30/12/2019   100   100   78.89     179   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   79.01     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   100   100   78.89     170   30/12/2019   10	163   23/12/2019   101   100   178.25     164   28/12/2019   102   100   100   178.25     165   28/12/2019   103   104   100   100   178.26     165   28/12/2019   103   104   100   100   178.26     166   29/12/2019   104   104   104   104   104     168   29/12/2019   104   104   104   104   104     169   29/12/2019   104   104   104   104     169   39/12/2019   104   104   104   104     169   39/12/2019   104   104   104   104     170   39/12/2019   104   104   104   104     171   39/12/2019   104   104   104   104     171   39/12/2019   104   104   104   104     172   104   104   104   104     173   104   104   104   104     174   104   104   104   104     175   105   105   105   105     175   105   105   105     175   105   105   105     175   105   105   105     175   105   105   105     175   105   105   105     175   105   105   105     175   105   105   105     175   105   105   105     175   105   105   105     175   105   105   105     175   105   105   105     175   105   105   105     175   105   105     175   105   105   105     175   105     175   105   105     175   105   105     175   105     175   105   105     175   105   105     175   105     175	+	17.31	10923	2.30
163   28/12/2019   R-36/(0+000 to 0+050)   100   100   78.26     164   28/12/2019   R-36/(0+000 to 0+020)   100   100   78.26     165   28/12/2019   R-36/(0+000 to 0+020)   100   100   78.26     166   29/12/2019   R-36/(0+000 to 0+180)   100   100   78.26     167   30/12/2019   R-3/(0+000 to 0+180)   100   100   78.36     168   30/12/2019   R-3/(0+000 to 0+180)   100   100   78.89     171   30/12/2019   R-3/(0+000 to 0+122)   100   100   78.89     171   30/12/2019   R-3/(0+000 to 0+122)   100   100   79.01     172   30/12/2019   R-3/(0+000 to 0+122)   100   100   79.01     173   30/12/2019   R-3/(0+000 to 0+122)   100   100   79.01     174   30/12/2019   R-3/(0+000 to 0+122)   100   100   79.01     175   30/12/2019   R-3/(0+000 to 0+122)   100   100   79.01     175   30/12/2019   R-3/(0+000 to 0+122)   100   100   79.01     176   30/12/2019   R-3/(0+000 to 0+122)   100   100   79.01     177   30/12/2019   R-3/(0+000 to 0+122)   100   100   79.01     178   30/12/2019   R-3/(0+000 to 0+122)   100   100   79.01     179   30/12/2019   R-3/(0+000 to 0+122)   100   100   79.01     170   30/12/2019   R-3/(0+000 to 0+122)   100   100   79	153   28/12/2019   R-36/(0+000 to 0+050)   100   100   78.26     164   28/12/2019   R-36/(0+000 to 0+020)   100   100   78.26     165   29/12/2019   R-36/(0+000 to 0+132)   100   100   78.26     166   29/12/2019   R-36/(0+000 to 0+180)   100   100   78.26     167   30/12/2019   R-36/(0+000 to 0+180)   100   100   78.36     168   30/12/2019   R-36/(0+000 to 0+180)   100   100   78.66     169   30/12/2019   R-36/(0+000 to 0+180)   100   100   78.89     171   30/12/2019   R-36/(0+000 to 0+122)   100   100   79.01     171   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     172   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     173   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     174   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     175   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     175   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     170   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     171   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     172   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     173   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     174   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     175   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     175   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     175   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     175   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     175   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     175   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     175   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     175   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     175   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     175   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     175   30/12/		16.15	11520	2.50
164   28/12/2019   R-9,(0+000 to 0+220)   100   100   78.48     165   29/12/2019   R-30,(0+000 to 0+220)   100   100   78.48     166   29/12/2019   R-30,(0+000 to 0+150)   100   100   78.46     167   30/12/2019   R-5,(0+000 to 0+180)   100   100   78.46     168   30/12/2019   R-3,(0+000 to 0+180)   100   100   78.46     170   30/12/2019   R-3,(0+000 to 0+122)   100   100   78.89     171   30/12/2019   Rani P.MB,(0+000 to 0+122)   100   100   79.01     172   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   79.01     173   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   79.01     174   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   79.01     172   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   76.62     173   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   76.62     174   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   76.62     175   Specifacations   20/16/2019	164   28/12/2019   R-9,(0+000 to 0+220)   100   100   78.48     165   29/12/2019   R-30,(0+000 to 0+220)   100   100   78.48     166   29/12/2019   R-30,(0+000 to 0+150)   100   100   78.48     167   30/12/2019   R-43,(0+000 to 0+180)   100   100   78.46     169   30/12/2019   R-7,(0+000 to 0+180)   100   100   78.46     170   30/12/2019   R-3,(0+000 to 0+122)   100   100   78.89     171   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   79.01     172   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   79.01     173   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   79.01     174   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   79.01     175   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   76.62     175   Specifacations   20/14/200   20	+	16.33	11487	2.45
29/12/2019   R-30,(0+090 to 0+232)   100   100   78.26     29/12/2019   R-44,(0+000 to 0+150)   100   100   78.37     30/12/2019   R-44,(0+000 to 0+180)   100   100   78.46     30/12/2019   R-43,(0+000 to 0+122)   100   100   78.46     30/12/2019   R-31,(0+000 to 0+122)   100   100   78.45     30/12/2019   Rani P.MB,(0+000 to 0+122)   100   100   79.01     30/12/2019   Rani P.MB,(0+000 to 0+122)   100   100   79.01     30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   79.01     30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   76.82     30/12/2019   Rani P.MB,(0+000 to 0+122)   100   100   76.82     30/12/2019   Rani P.MB,(0+000 t	165   29/12/2019   R-30,(0+090 to 0+232)   100   100   78.26     166   29/12/2019   R-44,(0+000 to 0+150)   100   100   78.37     167   30/12/2019   R-43,(0+000 to 0+180)   100   100   78.46     168   30/12/2019   R-43,(0+000 to 0+180)   100   100   78.46     170   30/12/2019   R-43,(0+000 to 0+122)   100   100   78.89     171   30/12/2019   Rani P.MB.(0+000 to 0+122)   100   100   79.01     Specifications   Specification Table24-10   ±5%   NIII   ±5%     240NGHENG CONSTRUCTION SPOUP INTERATIONAL ENGINEERING CO.LTD	+	16.69	11454	2.60
166   29/12/2019   R-44/0+000 to 0+150)   100   100   78.37     167   36/12/2019   R-5/(0+000 to 0+180)   100   100   78.66     168   36/12/2019   R-43/(0+000 to 0+180)   100   100   78.46     169   36/12/2019   R-7/(0+000 to 0+065)   100   100   77.92     171   36/12/2019   Rani P.MB.(0+000 to 0+122)   100   100   79.01     171   36/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     Specifications   Specification Table 24.10   25%   Nill   25%     249   249   249   249   249   249     240   249   249   249   249   249     240   249   249   249   249   249   249     240   249   249   249   249   249   249     240   249   249   249   249   249   249     240   249   249   249   249   249   249   249     240   249	166   29/12/2019   R-44/0+000 to 0+150)   100   100   78.37     167   30/12/2019   R-5/(0+000 to 0+180)   100   100   78.66     168   30/12/2019   R-7/(0+000 to 0+180)   100   100   78.46     169   30/12/2019   R-7/(0+000 to 0+065)   100   100   78.49     171   30/12/2019   Raui P-MB.(0+000 to 0+122)   100   100   79.01     172   30/12/2019   Raui P-MB.(0+000 to 0+180)   100   100   79.01     173   30/12/2019   Raui P-MB.(0+000 to 0+180)   100   100   79.01     174   30/12/2019   Raui P-MB.(0+000 to 0+180)   100   100   79.01     175   Specifications   Specification Table 24.10   ±5%   NIII   ±5%     175   Station   Specification Table 24.10   ±5%   NIII   ±5%     176   Station   Specification Table 24.10   ±5%   NIII   ±5%     177   Station   Specification Table 24.10   ±5%   NIII   ±5%     178   Station   Specification Table 24.10   ±5%   NIII   ±5%   Specification Table 24.10   ±5%   Specification Table 24.10   ±5%   NIII   ±5%   Specification Table 24.10   ±5%   S	+	+	11421	2 53
167   30/12/2019   R-5,(0+000 to 0+180)   100   100   78.66     168   30/12/2019   R-43,(0+000 to 0+28)   100   100   78.46     170   30/12/2019   R-3,(0+000 to 0+065)   100   100   77.92     171   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   77.92     171   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   79.01     Specifications   100   100   79.01     Specifications   100   100   76.82     Specification   120/12/2019   100   100   100   76.82     Should have a superior of the superi	167   30/12/2019   R-5,(0+000 to 0+180)   100   100   78.66     168   30/12/2019   R-43,(0+000 to 0+28)   100   100   78.46     170   30/12/2019   R-3,(0+000 to 0+065)   100   100   77.92     171   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   77.92     171   30/12/2019   Rani P.MB,(0+000 to 0+180)   100   100   79.01     Specifications   100   100   79.01     Specifications   100   100   76.82     Specifications   100   100   100   100   100     Specifications   100     Specifications   100   100     Specifications   100   100     Specifications   100   100     Specifications   100   100     S	+	+	11244	75.4
168   30/12/2019   R-43,(0+000 to 328)   100   100   78.46     169   30/12/2019   R-7,(0+000 to 0+065)   100   100   77.92     171   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   77.92     171   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     Specifacations   100   100   79.01     Specifacations   100   100   79.01     Specifacations   100   100   79.01     Specifacations   100   100   76.82     Specifacations   100   76.82     Specifacations   100   76.82     Specifacations   100   76.82     Specifacations   100   76.82     Spe	168   30/12/2019   R-43,(0+000 to 328)   100   100   78.46     169   30/12/2019   R-7,(0+000 to 0+065)   100   100   77.92     171   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   77.92     171   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     Specifacations   100   100   70.40     Specifacations	-	17.18	11155	2.35
17.00   30/12/2019   R-7,(0+000 to 0+065)   100   100   77.92     17.01   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     17.02   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     17.02   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     17.02   Specifications   100   100   79.01     17.02   100   100   79.01     17.02   100   100   79.01     17.02   100   100   79.01     17.02   100   100   70.01     17.03   100   100   70.01     17.04   100   100   70.01     17.05   100   70.01     17.05   70.01	100   30/12/2019   R-7,(0+000 to 0+065)   100   100   77.92     171   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   78.89     171   30/12/2019   Rani P.MB.(0+000 to 0+180)   100   100   79.01     Specifications   100		16.35	11166	2.47
170   30/12/2019   Rani P.MB <sub>1</sub> (0+000 to 0+122)   100   100   78.89     171   30/12/2019   Rani P.MB <sub>1</sub> (0+000 to 0+180)   100   100   79.01     Specifacations   100   100   79.01     Specifacations   100   100   76.82     Job Mix Tolerances from RUDP Specifacation Tablez-4-10   ±5%   NiII   ±5%     ZHONGHENG CONSTRUCTION SPOUP INTERNATIONAL ENGINEERING CO.LTD	170   30/12/2019   Rani P.MB <sub>1</sub> (0+000 to 0+122)   100   100   78.89     171   30/12/2019   Rani P.MB <sub>1</sub> (0+000 to 0+180)   100   100   79.01     Specifacations   100   100   100   76.82     Job Mix Tolerances from RUDP Specification Tablez-4-10   ±5%   NIII   ±5%     ZHONGHENG CONSTRUCTION SPOUP INTERNATIONAL ENGINEERING CO.LTD	-	16.68	11321	2.58
171   30/12/2019   Rani P.MB <sub>4</sub> (0+000 to 0+180)   100   100   79.01	171   30/12/2019   Rani P.MB <sub>4</sub> (0+000 to 0+180)   100   100   79.01	H	16.77	11686	2.30
Specifications 100 100-100 76-82 Job Mix Tolerances from RUDP Specification Table24-10 ±5% NIII ±5% Confine Co	Specifications 100 100-100 76-82 Job Mix Tolerances from RUDP Specification Tablez-4-10 ±5% Nill ±5% HONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD	+	16.80	11587	2.48
Specifacations Job Mix Tolerances from RUDP Specifacation Table2-4-10  45% NIII 45% Confliction Confli	Specifacations Job Mix Tolerances from RUDP Specification Table2.4-10  ±5% NIII ±5% HONGHENG CONSTRUCTION GROUP INTERNITIONAL ENGINEERING CO.LTD	H	0000	10011	4
Job Mix Tolerances from RUDP Specification Table 24-10 ±5% Niii ±5% Niii ±5% HONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO.LTD	Job Mix Tolerances from RUDP Specific cation Table 24-10  Hong Hong Hong Hong Hong Hong Hong Hong	+			
Job Mix Tolerances from RUDP Specification Table24-10 ±5% NIII ±5%  Confinction Confine Confin	Job Mix Tolerances from RUDP Specification Table24-10 ±5% NIII ±5%  Confinction  Co		≥ 15	> 8500	2-3
CHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD	CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD	For (25	-51)mm Thick	on Mic Con	ırse
		Consultant			
A A A A A A A A A A A A A A A A A A A	of the H	ECTS (POT TO, KAT)	3.N. CONSULT	TANCY PVT. LT	TD AND F
( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	The state of the s	LUS JIV *	0.1	K	
Subfitted By Verified By Configuration Surveyor/CSE Rabindra Kr. Thakur H.K. Mandal H.K. Mandal	Subjuilited By Verflied By Conflict Manager Expert Clay Surveyor/CSE Rabindra Kr. Thakur H.K. Mandal	ramena		Approved By Team Leader Giresh Chand	



	abor	9	Agg	Down	Kemarks																					RE WITH	1 By	and
	December	2019	20 mm Agg	70 A I V	(A.1. V. 70	19.12	21.25	21.12	20.47	21.15	22.27	20.91	21.00	20.77	20.12	22.02	20 02	21.80	20.47	19.03	18.20	20.82	26.7	247		r ventui Ngineer Nepal	Approved By Team Leader	Giresh Chand
	h		iterial	Fland Fl %	av Transact	18.64/15.01	10 31/17 60	17 53/16 71	17.16/16.00	18.71/17.59	18.75/17.62	18.06/16.94	18.02/10.93	19.02/18.70	21 (16/10 22	18 45/16 27	18.52/17.63	17.69/18.66	20.08/15.79	17,59/13.10	18.74/17.48	20.16/19.95	<25			BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PYTHAM PLUS ENGINEERS & ARCHITECTS (D) ZTD, KAGMANDU, NEPAL	NPLUS JU	
TO THE	Month	Year	Type of Material	L.A.A.%	2000	29.76	28.10	28.78	27.00	25.10	28.40	25.10	28.60	26.10	+	+	27.50	25.04	28.20	+	-	27.34	<35		Consultant	TY (P) LT	RUDP * Branspark	
F IXO.				eight	0000	1.67	1.87	3.27	3.25	3.30	3,35	2.03	2.18	2.01	2.31	1.69	1.38	2,43	1.30	1.91	1.70	1.19	05			UTHORI NCY PV	sall gribing	
City F-02 of 20mm				Sieve Size in mm / % Passing by weight	4.20	92.5	4.78	6.27	61.9	5.78	6.10	0.20	4.92	4.02	16.12	17.06	9.22	13.68	5.65	4.92	2,13	7000	0-25			SSIGN ANSULTA	y yor/CSE Shresha	mineame
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Sheet of Monthly Test Report of 20				mm / % Pa	44 77	41.55	37.43	42,72		96.20	42.05	41.47	45.33	43.69	44.45	88.65	63,51	57.13	39.68	34.27	2032		0~20			B.N. CO	Verified By Verified By Expert Qty Surveyor/CSE H.K. Mandel/Rain Stroscho	information and the second
Metrop-RUDP,				ve Size in 1	0	+	-	88.65	-	89,45	88.47	-	89,45	88.64	94.21	94.43	94.68	97.57	96.44	95.38	96.05		85~100			Вип	Expert C	
tract No:				-	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100,00	100.00	100.00	100.00	100.00	100.00	100,00		100			AL	By nager hakur	
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report of 20mm Agg.				Source of Sample	Chisang Khola	Chisane Khola	Chisang Khola	Chicang Knota	Chisane Khota	Chisang Khola		Spec. Limit :			TERNATION	Submitted By Contract Manager Rabindra K. Thakur												
			Towns I	Samule Samule	T3L25A	TSL10A	R-4	R-12	K-12	Koshi-vard	N-10	R-26	R-46	R-44	N-3	N-2	K-9	R-39	T21.25D	N-7	Koshi-yard			CRUTINTER	Contractor	ON GROUPE		
				Date of Testing	2-Dec-19	2-Dec-19 -	3-Dec-19	4-Dec-19	6-Dec-19	7-Dec-19	8-Dec-19	9-Dec-19	10-Dec-19	11-Dec-19	12-Dec-19	13-Dec-19	15. Dec 16	16-Dec-19	16-Dec-19	17-Dec-19	19-Dec-19			100	Con	ZHONGHENG CONSTITUTION GROUP TERNATIONAL ENGINEERING CO.L.		
					RUDP-CA-469	RUDP-CA-470	RUDP-CA-471	RUDP-CA-4/2	RUDP-CA-474	RUDP-CA-475	RUDP-CA-476	RUDP-CA-477	RUDE-CA-478	RUDP-CA-479	RITING CA 481	RUDP-CA-487	RUDP-CA-183	RUDP-CA-484	RUDP-CA-485	RUDP-CA-486	RUDP-CA-487					HONGHENG	Cheked By Engineer Dhirendra Yadav	
			-	5.0.		-	0 =	+	-		-	-	11 0	-	+	-	-	-	17 R	-	19 R	-				2	Dhire P	







	ber		Sand	Remarks								die											RE WITH				
	December	2019	Cancrete Sand	Contatato	Contemt%	1.57	1.02	1.54	1.09	1.27	0.98	127	1.32	1.70	1.79	1.13	1.58	1.19	1.42	1.05	<3%		BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY BYTATD AND PLUS ENGINEERS &	, NEPAL	8	Annroyed By	Team Leader Giresh Chand
	th th	of .	lai	0.150	205	4.15	4.80	4.71	5.52	5.71	533	5.65	5.79	7.50	7.46	8.36	4.63	7.06	5.34	6.82	CI~O		D PLUS I	MANDU		. 4	
	Month	Type of	Material	0.300	8.43	686	11.75	11.45	11.58	13.81	12.03	15.50	15.78	18.84	25.11	21.88	14.19	13.45	11.48	14.80	0/~6	Consultant	Y (P) LTI	DEKATH	US JIV *	120	
e Sand			Sieve Size in mm / % Passing by waight	0.600	17.11	29.86	32.88	31.99	31.94	35.50	33.93	37.59	36.59	29.99	37.84	34.62	29.28	22.07	20.17	15-100	13-100	ů,	THORIT	8(P) LY	lanz	10 + Birath	
Zity F-02 Cancret			mm / % Ps	1.18	53.71	52.82	54.73	55.51	54.66	60.78	53,20	57.69	55.35	60.36	67.41	53.85	52,72	53.34	54.93.	30~100	001 00		IGN AUT	HITECT	นธิเรลย ลิเล	6	r/CSE Shrestha
olitan C ICB/BRT			ieve Size in	2.36	81.36	74.80	75.54	77.47	88.01	86.91	83.06	84.44	83.81	60.01	81.53	67.37	74.36	79.72	73.36	00-100			NG DESI	ARC	~ \\	3y	/ Surveyo
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 heet of Monthly Test Report of Ca			S	5.0			4	95.01	4	95.02	94.85	94.70	94.35	94.73	93.53	95,36	93.46	10.19	92.65	89~100			BUILDI B.		19.8	Verified By	Expert Qty Surveyor/CSE H.K. Mandal/Rajan Shrestha
tract No:		-		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				(AL				
Biratnagar Metropolitan City Contract No:- RUDP/ICB/BRT-02 Summary Sheet of Monthly Test Report of Cancrete Sand			Source of Commits	source of sample	Chisang Khola	Chisang Khola	Chisang Khola	Chisane Khola	Chisang Khola	Chisang Khola	Chtsang Khola	Chicang Khola	Chisang Khola	Chisane Khola	Chisang Khola	Spec. Limit :			JP INTERNATIONAL		W.	Submitted By	Contract Manager Rabindra K. Thakur				
			Location of	Sample	Noshi-yard	T31 7B	T3L25A	T3L10A	R-4	R-12	R-5	N-10	R-26	R-46	R-44	7-N	R-9	T3L25D	R-9			On Contractor	200	TO PA UIU			
			Date of	2-Dec-10	3-Dec-19	4-Dec-19	5-Dec-19	61-29C-9	7-Dec-19	9-Dec-19	10-Dec-19	10-Dec-19	11-Dec-19	12-Dec-19	13-Dec-19	15-Dec-19	16-Dec-19	17-Dec-19	19-Dec-19			THE WAY THE	CONSTRU				
			Lab.Ref no.	RUDP-CS-547	RUDP-CS-548	RUDP-CS-549	RUDP-CS-550	RUDP-CS-551	RUDP-CS-552	RUDP-CS-554	-		_	-	RUDP-CS-560	-		-	RUDP-CS-564 1			1	ONGHENG		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	d By	Dhirendra Yadav
			S.n.	1	2 R	3 R			7 R		. 9 R		-	12 K	+	15 Rt		-	19 Rt			1	ZH		0/	Engineer	hirend







				Contract No:- RI ummary Sheet Of I				
-	-		2	, sheet of t	Tes		Month Year Type of Material	December 2019 Brick
.N.	Lab Ref.N	Testing Date	Location of Sample	Source of Brick	Name of Brick	Water Absorption of Brick(%)	Strength of Brick(N/mm²)	Remarks
1	884	2-Dec-19	T3L10	Dadarbairya	ACC	13.81	12.84	
2	885	2-Dec-19	R-26	Dadarbairya	ACC	14.33	14.11	
3	886	2-Dec-19	R-12	Dadarbairya	ACC	12.97	15.41	
4	887	2-Dec-19	R-26	Dadarbairya	ACC	14.67	14.17	
5	888	3-Dec-19	R-46	Dadarbairya	ACC	11.53	14.33	
6	889	3-Dec-19	R-39	Dadarbairya	ACC	13.67	15.09	
7	890	3-Dec-19	R-5	Dadarbairya	ACC	13.29	15.50	
8	891	3-Dec-19	T2L25D	Dadarbairya	ACC	12.95	15.03	
9	892	4-Dec-19	N-7	Dadarbairya	ACC	11.88	15.47	
10	893	4-Dec-19	N-8	Dadarbairya	ACC	15.32	14.71	
11	894	4-Dec-19	T3L24B	Dadarbairya	ACC	13.27	13.29	
12	895	4-Dec-19 4-Dec-19	T3L10A	Dadarbairya	ACC	16.40	14.39	
13.	896		T1L7A	Dadarbairya	ACC	15.17	15.32	
14 15	897 898	6-Dec-19	T1L7B R-2	Dadarbairya Dadarbairya	ACC	13.57 13.20	15.20 14.11	
16	898	7-Dec-19	T2L25D	Dadarbairya			14.11	
17	900	7-Dec-19 8-Dec-19	R-39	Dadarbairya Dadarbairya	ACC Anand	13.32	15.43	
18	900	8-Dec-19	R-44	Dadarbairya	Anand	12.53	12.45	
19	901	8-Dec-19	R-46	Dadarbairya	ACC	14.51	14.96	
20	903	9-Dec-19	R-26	Dadarbairya	ACC	14.18	15.45	
21	904	9-Dec-19	R-12	Dadarbairya	ACC	14.66	14.51	
22	905	9-Dec-19	R-44	Dadarbairya	ACC	14.28	14.53	
23	906	9-Dec-19	T3L10	Dadarbairya	ACC	14.74	15.87	
24	907	9-Dec-19	R-2	Dadarbairya	ACC	15.43	15.23	
25	908	11-Dec-19	T2L24B	Dadarbairya	ACC	13.88	14.70	
26	909	11-Dec-19	N-7	Dadarbairya	ACC	13.93	13.90	
27	910	11-Dec-19	T3L10A	Dadarbairya	ACC	12.92	13.58	
28	911	12-Dec-19	T1L7A	Dadarbairya	ACC	13.52	14.93	
29	912	12-Dec-19	T2L25D	Dadarbairya	ACC	12.14	15.14	
30.	913	13-Dec-19	T3L10A	Dadarbairya	ACC	16.07	16.03	
31	914	13-Dec-19	N-7	Dadarbairya	ACC	15.24	15.14	
32	915	13-Dec-19	T3L10	Dadarbairya	ACC	13.95	14.44	
33	916	13-Dec-19	R-44	Dadarbairya	ACC	13.53	16.14	
10007			Sp. Limit			<20%	>8 to 10 N/mm²	
omr	nents:-	-	v					
		,	Contractor			Cons	ultant	
HON	GHENG	CONSTRUCTION	GROUP INTERNATIONAL LTD	L ENGINEERING CO.	BUILDING	DESIGN AUTHORITY (P) NCY PVT. LTD AND PLUS XATHMAN	ENGINEERS & ARCHIT	E WITH B.N. ECTS (P) LTD,
Eng	ked By		Subhit Subhit Contract Rabindra	Manager		Verified By Oty Surveyor/CSE Idal/Rajan Shrestha	Approved Team Leas	der



				Contract No:- R				/			
			5	ummary Sheet Of	Monthly Tes	t Report	Month	December			
							Year	2019			
							Type of Material	Brick			
.N.	Ref.N	Testing Date	Location of Sample	Source of Brick	Name of Brick	Water Absorption of Brick(%)	Strength of Brick(N/mm²)	Remarks			
34	917	13-Dec-19	N-8	Dadarbairya	ACC	15.63	16.06				
35	918	13-Dec-19	T2L25D	Dadarbairya	Anand	12.81	15.71				
36	919	13-Dec-19	T1L7A	Dadarbairya	Anand	13.12	16.33				
37	920	13-Dec-19	R-12	Dadarbairya	Anand	12.74	13.47				
38	921	13-Dec-19	T1L7B	Dadarbairya	Anand	15.36	14.55				
39	922	13-Dec-19	N-7	Dadarbairya	Anand	15.44	15.32				
40	923	15-Dec-19	T3L10A	Dadarbairya	Anand	12.25	14.01				
41	924	15-Dec-19	T3L25A	Dadarbairya	Anand	14.43	14.01				
42	925	15-Dec-19	T3L10	Dadarbairya	Anand	15.00	13.70				
43	926	16-Dec-19	R-44	Dadarbairya	Anand	15.75	13.42				
44	927	16-Dec-19 18-Dec-19	R-26 R-39	Dadarbairya Dadarbairya	Anand	13.42	15.67				
46	928	18-Dec-19	N-8	Dadarbairya	Anand Anand	14.81 12.87	14.97 14.79				
47	930	17-Dec-19	T3L25A	Dadarbairya	Anand	13.33	15.31				
48	931	17-Dec-19	R-2	Dadarbairya	Anand	13.37	12.27				
49	932	17-Dec-19	T2L24B	Dadarbairya	Anand	13.86	14.42				
50	933	19-Dec-19	R-44	Dadarbairya	Anand	14.50	14.85				
51	934	19-Dec-19	N-7	Dadarbairya	Anand	13.91	14.34				
52	935	19-Dec-19	R-26	Dadarbairya	Anand	14.65	13.42				
53	936	21-Dec-19	N-8	Dadarbairya	Anand	14.65	13.42				
54	937	21-Dec-19	T1L7A	Dadarbairya	Anand	12.58	14.57				
55	938	21-Dec-19	N-7	Dadarbairya	Anand	11.41	16.38				
56	939	21-Dec-19	R-46	Dadarbairya	Anand	15.01	14.04				
57	940	21-Dec-19	T2L25D	Dadarbairya	Anand	13.83	15.40				
58	941	21-Dec-19	R-44	Dadarbairya	Anand	14.99	14.20				
59	942	21-Dec-19	T3L24B	Dadarbairya	Anand	14.42	16.04				
60	943	21-Dec-19	T1L7A	Dadarbairya	Anand	15.73	14.45				
51	944	22-Dec-19	R-3	Dadarbairya	Anand	16.70	14.79				
52	945	22-Dec-19	N-8	Dadarbairya	Anand	15.46	12.87				
63	946	22-Dec-19	N-8	Dadarbairya	Anand	13.36	14.21				
64	947	25-Dec-19	T3L10A	Dadarbairya	Anand	14.77	14.42				
65	948	25-Dec-19	R-12	Dadarbairya	Anand	14.92	15.62				
66	949	25-Dec-19	N-8	Dadarbairya	Anand	14.44	13.61				
omr	nents:-		Sp. Limit			<20%	>8 to 10 N/mm²				
-	•		Contractor			Cons	ultant				
HON	GHENG'	CONSTRUCTION	GROUP INTERNATIONALTD	L ENGINEERING CO.		DESIGN AUTHORITY (P) NCY PVT. LTDXND PLUS KATHMAN	ENGINEERS & ARCHIT				
Eng	ked By gineer dra Yadav		Subplit Contract Rabindract	Manager	Verified By Approved By Expert City Surveyor/CSE Team Leader						



			Si	ummary Sheet Of I	Monthly Tes	t Report	Month	December
-							Year Type of Material	2019 Brick
.N.	Lab Ref.N	Testing Date	Location of Sample	Source of Brick	Name of Brick	Water Absorption of Brick(%)	Strength of Brick(N/mm²)	Remarks
67	950	26-Dec-19	R-2	Dadarbairya	ACC	14.02	15.19	
68	951	26-Dec-19	N-7	Dadarbairya	Anand	13.32	14.56	
69	952	26-Dec-19	R-26	Dadarbairya	Anand	11,51	16.30	
70	953	26-Dec-19	N-8	Dadarbairya	Anand	11.83	15.81	
	-							
-	-							
			Sp. Limit			<20%	>8 to 10 N/mm²	
omi	ments:-							
			Contractor			Consu	iltant	
HON	NGHENG	CONSTRUCTION	EROUP INTERNATIONAL	ALENGINEERING CO.		DESIGN AUTHORITY (P) NCY PVT. LPD AND PLUS KATHMAN	<b>ENGINEERS &amp; ARCHIT</b>	
			MOUTANNAST MI 9 UONO NO.	1		RUDP	* AIFSI	
	cked By		Submit Contract		d.	Verified By Qty Surveyor/CSE	Approve Team Lea	
	ndra Yaday		Rabindra			ndal/Rajan Shrestha	Giresh Ch	



December	2019		Remarke						35			(B.N.		
Dec	2	Strength N/mm²	28 Davs	3000	47.00	47.47				>43		RE WITH	ApprovedBy	Giresh Chand
-5		Strengt	3 days	-		28.48	28.58			>23		T VENTU		
Month	Year	Testing	28 Days	2-Doc-10	20-Dec-19	31-Dec-19	14-Jan-20				tant	TD IN JOIN INGINEERS IU, NEPAL	SHOUS JIV X	
		Date of Testing	3 Days	7-Nov-19	25-Nov-19	6-Dec-19	20-Dec-19		**		Consultant	HORITY (P) LTD IN JOI AND PLUS ENGINEER KATHMANDU, NEPAL	THE WOISING ROUTE	
TEST		Date of	Casting	4-Nov-19	22-Nov-19	3-Dec-19	17-Dec-19					BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL	:: or/CSF	Shrestha
SUMMARY SHEET OF CEMENT TEST		Fineness	(%)			1.80	1.98			410		ULTANC	Verified By Verified By Export On Surveyor/CSE	H.K. Mandal/Rajan Shrestha
SUMMARY SHEET OF CEMENT TEST		Soundnes Fineness	s(mm)s			1.45	1.89			012		BUII	Export	H.K. Ma
SUMMAR		Time	Final (min)			240.00	240.00		Marie Con	One-way		AL		
		Consistancy & Setting Time	Initial(Min)			166.00	166.00		Min 20	8		INTERNATIONAL D	By ager	hakur
		Consistan	Normal Cons.(% Initial(Min) Final (min)			29.75	31.20				20/	CROUP INTE	Submitted By Contract Manager	Rabindra Kr. Thakur
		_	-			2-Dec-19	1/-Dec-13		nit:		Contraction Contraction	GONSTRUCTION GROUP IN		
		Type of cement Tetsing Date		Ambe hi-tech	Ambe hi-tech	Ambe hi toch		34	Sp.Limit:			ZHONGHENG CONS	d By	ı yadav
	Lab	0	+	+	20	+				Comments:-		ZHONC	Checked By Engineer	Dhirendra yadav
		S.N.	,	-1 (	7 6	0 4				Comm				



		REGI	В	iratnag: Contract l	DEVELO ar Metropoli No:- RUDP/IC eet of Mortar	itan City B/BRT-02		JECT			
			Sun	illiary Su	eet of Mortar	Test Repor		Page	no 1	_	
								Month	10 1	Don	ember
								Year		-	019
							Dagari	ption of Samp	da.		k Wall
											wan
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	Testing 28 Days	7 Days	N/mm2 28 Days	Type o
1	T3L19F	MR-2334	Ambe Hi-tech	OPC	Chisang Khola	3-Nov-19	10-Nov-19	1-Dec-19		9.78	7.5
2	R-12	MR-2335	Ambe Hi-tech	OPC	Chisang Khola	3-Nov-19	10-Nov-19	I-Dec-19		9.50	7.5
3	R-12	MR-2336	Ambe Hi-tech	OPC	Chisang Khola	3-Nov-19	10-Nov-19	1-Dec-19	-	9.64	7.5
4	T3L10A	MR-2337	Ambe Hi-tech	OPC	Chisang Khola	4-Nov-19	11-Nov-19	2-Dec-19		9.78	7.5
5	T3L10	MR-2338	Ambe Hi-tech	OPC	Chisang Khola	4-Nov-19	11-Nov-19	2-Dec-19	1	10.06	7.5
6	T3L19F	MR-2339	Ambe Hi-tech	OPC	Chisang Khola	5-Nov-19	12-Nov-19	3-Dec-19		9.78	7.5
7	T3L10	MR-2340	Ambe Hi-tech	OPC	Chisang Khola	6-Nov-19	13-Nov-19	4-Dec-19	-	8.80	7.5
8	T3L19F	MR-2341	Ambe Hi-tech	OPC	Chisang Khola	8-Nov-19	15-Nov-19	6-Dec-19		9.22	7.5
9	T3L10	MR-2342	Ambe Hi-tech	OPC	Chisang Khola	8-Nov-19	15-Nov-19	6-Dec-19		10.06	7.5
10	T3L10	MR-2343	Ambe Hi-tech	OPC	Chisang Khola	8-Nov-19	15-Nov-19	6-Dec-19	-	9.36	7.5
11	T3L19F	MR-2344	Ambe Hi-tech	OPC	Chisang Khola	13-Nov-19	20-Nov-19	11-Dec-19		9.50	7.5
12	N-38	MR-2345	Ambe Hi-tech	OPC	Chisang Khola	14-Nov-19	21-Nov-19	12-Dec-19	-	8.80	7.5
13	T3L10A	MR-2346	Ambe Hi-tech	OPC	Chisang Khola	16-Nov-19	23-Nov-19	14-Dec-19		8.66	7.5
14	T3L19F	MR-2347	Ambe Hi-tech	OPC	Chisang Khola	19-Nov-19	26-Nov-19	17-Dec-19		9.36	7.5
15	N-38	MR-2348	Ambe Hi-tech	OPC	Chisang Khola	21-Nov-19	28-Nov-19	19-Dec-19		10.34	7.5
16	T3L19F	MR-2349	Ambe Hi-tech	OPC	Chisang Khola	23-Nov-19	30-Nov-19	21-Dec-19			7.5
17	N-38	MR-2350	Ambe Hi-tech	OPC	Chisang Khola	23-Nov-19	30-Nov-19	21-Dec-19	-	8.66	
18	T3L10A	MR-2351	Ambe Hi-tech	OPC	Chisang Khola	23-Nov-19	30-Nov-19	21-Dec-19		9.92	7.5
19	T3L10A	MR-2352	Ambe Hi-tech	OPC	Chisang Khola	24-Nov-19	1-Dec-19	22-Dec-19	6.01	8.52	7.5
20	T3L25A	MR-2353	Ambe Hi-tech	OPC	Chisang Khola	24-Nov-19	1-Dec-19	22-Dec-19	6.43	7.96	7,5
21	T3L10A	MR-2354	Ambe Hi-tech	OPC	Chisang Khola	24-Nov-19	1-Dec-19	22-Dec-19	6.01	8.10	_
22	R-12	MR-2355	Ambe Hi-tech	OPC	Chisang Khola	25-Nov-19	2-Dec-19	23-Dec-19		8.24	7.5
23	R-26	MR-2356	Ambe Hi-tech	OPC	Chisang Khola	26-Nov-19		24-Dec-19	7.06	-	7.5
24	R-46	MR-2357	Ambe Hi-tech	OPC	Chisang Khola	28-Nov-19	3-Dec-19 5-Dec-19	26-Dec-19	5.87	9.22	7.5
25	R-44	MR-2358	Ambe Hi-tech	OPC	Chisang Khola	28-Nov-19			6.43	8.66	7.5
26	R-39	MR-2359	Ambe Hi-tech	OPC	Chisang Khola		5-Dec-19	26-Dec-19	6.99	9.50	7.5
27	R-2	MR-2360	Ambe Hi-tech			29-Nov-19 29-Nov-19	6-Dec-19	27-Dec-19	6.15	8.52	7.5
28	R-39	MR-2361	Ambe Hi-tech	OPC OPC	Chisang Khola Chisang Khola	30-Nov-19	6-Dec-19	27-Dec-19 28-Dec-19	6.71	8.66	7.5
29	R-39	MR-2362	Ambe Hi-tech	OPC	Chisang Khola	30-Nov-19	7-Dec-19		6.57	9.36	7.5
30	T31.24B	MR-2363	Ambe Hi-tech	OPC	Chisang Khola	1-Dec-19	7-Dec-19 8-Dec-19	28-Dec-19 29-Dec-19	6.01	8.94	7.5
31	T3L10A	MR-2364	Ambe Hi-tech	OPC	Chisang Khola	1-Dec-19	8-Dec-19	29-Dec-19	6,43	8.38	7.5
32	T3L7A	MR-2365	Ambe Hi-tech	OPC	Chisang Khola	1-Dec-19	8-Dec-19	29-Dec-19	5.87	9.22	7.5
		1 1111-12113	- Miles I II itell	Ore	Chiang Khold	1-000-19	0-100-19	27-000-19	3.07	0.94	7.5
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								Month	110 2	Dec	ember
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							Descri	ption of Samp	ole		k Wall
				4000			Date o	f Testing	Strength	N/mm2	
S.N.	Location	Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28 Days	Type o
33	T3L7B	MR-2366	Ambe Hi-tech	OPC	Chisang Khola	2-Dec-19	9-Dec-19	30-Dec-19	6.43	9.08	7.5
34	R-26	MR-2367	Ambe Hi-tech	OPC	Chisang Khola	3-Dec-19	10-Dec-19	31-Dec-19	6.15	8.80	7.5
35	R-46	MR-2368	Ambe Hi-tech	OPC	Chisang Khola	4-Dec-19	11-Dec-19	1-Jan-20	6,85	5100	7.5
36	R-39	MR-2369	Ambe Hi-tech	OPC	Chisang Khola	4-Dec-19	11-Dec-19	- 1-Jan-20	5.73		7.5
37	R-39	MR-2370	Ambe Hi-tech	OPC	Chisang Khola	4-Dec-19	11-Dec-19	1-Jan-20	6.57		7.5
38	T3L25A	MR-2371	Ambe Hi-tech	OPC	Chisang Khola	5-Dec-19	12-Dec-19	2-Jan-20	6.43		7.5
39	TIL7A	MR-2372	Ambe Hi-tech	OPC	Chisang Khola	5-Dec-19	12-Dec-19	2-Jan-20	6.43		7.5
40	T1L7B	MR-2373	Ambe Hi-tech	OPC	Chisang Khola	5-Dec-19	12-Dec-19	2-Jan-20	6.29		7,5
41	R-12	MR-2374	Ambe Hi-tech	OPC	Chisang Khola	6-Dec-19	13-Dec-19	3-Jan-20	5.73		7.5
42	T3L10A	MR-2375	Ambe Hi-tech	OPC	Chisang Khola	6-Dec-19	13-Dec-19	3-Jan-20	6.71		7.5
43	R-2	MR-2376	Ambe Hi-tech	OPC	Chisang Khola	6-Dec-19	13-Dec-19	3-Jan-20	6.43		7.5
44	R-39	MR-2377	Ambe Hi-tech	OPC	Chisang Khola	6-Dec-19	13-Dec-19	3-Jan-20	6.29		7.5
45	T3L24B	MR-2378	Ambe Hi-tech	OPC	Chisang Khola	7-Dec-19	14-Dec-19	4-Jan-20	5.87		7.5
46	T3L7B	MR-2379	Ambe Hi-tech	OPC	Chisang Khola	7-Dec-19	14-Dec-19	4-Jan-20	6.71		7.5
47	T3L25A	MR-2380	Ambe Hi-tech	OPC	Chisang Khola	8-Dec-19	15-Dec-19	5-Jan-20	7.13		7.5
48	R-12	MR-2381	Ambe Hi-tech	OPC	Chisang Khola	8-Dec-19	15-Dec-19	5-Jan-20	6.01		7.5
49	R-44	MR-2382	Ambe Hi-tech	OPC	Chisang Khola	8-Dec-19	15-Dec-19	5-Jan-20	5.87		7.5
50	R-39	MR-2383	Ambe Hi-tech	OPC	Chisang Khola	8-Dec-19	15-Dec-19	5-Jan-20	6.57		7.5
51	T3L7A	MR-2384	Ambe Hi-tech	OPC	Chisang Khola	9-Dec-19	16-Dec-19	6-Jan-20	6.15		7.5
52	R-26	MR-2385	Ambe Hi-tech	OPC	Chisang Khola	9-Dec-19	16-Dec-19	6-Jan-20	6.01		7.5
53	T3L24B	MR-2386	Ambe Hi-tech	OPC	Chisang Khola	10-Dec-19	17-Dec-19	7-Jan-20	5.87		7.5
54	R-2	MR-2387	Ambe Hi-tech	OPC	Chisang Khola	10-Dec-19	17-Dec-19	7-Jan-20	6.29		7.5
55	R-39	MR-2388	Ambe Hi-tech	OPC	Chisang Khola	11-Dec-19	18-Dec-19	8-Jan-20	6.71		7.5
56	T1L7A	MR-2389	Ambe Hi-tech	OPC	Chisang Khola	11-Dec-19	18-Dec-19	8-Jan-20	6.29		7.5
57	R-26	MR-2390	Ambe Hi-tech	OPC	Chisang Khola	11-Dec-19	18-Dec-19	8-Jan-20	5.73		7.5
58	R-2	MR-2391	Ambe Hi-tech	OPC	Chisang Khola	11-Dec-19	18-Dec-19	8-Jan-20	6.43		7.5
59 60	R-39	MR-2392	Ambe Hi-tech	OPC	Chisang Khola	12-Dec-19	19-Dec-19	- 9-Jan-20	6.71		7.5
61	T3L25A	MR-2393	Ambe Hi-tech	OPC	Chisang Khola	13-Dec-19	20-Dec-19	10-Jan-20	6.29		7.5
62	R-12	MR-2394	Ambe Hi-tech	OPC	Chisang Khola	13-Dec-19	20-Dec-19	10-Jan-20	6.57		7.5
63	R-26 R-44	MR-2395	Ambe Hi-tech	OPC	Chisang Khola	13-Dec-19	20-Dec-19	10-Jan-20	6.57		7.5
64	R-39	MR-2396 MR-2397	Ambe Hi-tech	OPC	Chisang Khola	13-Dec-19	20-Dec-19	10-Jan-20	6.71		7.5
24	1003	MIK-2397	Antoe Fii-teen	OPC	Chisang Khola	14-Dec-19	21-Dec-19	11-Jan-20	6.43		7.5
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N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	Testing 28 Days	7 Days	28 Days	Type of Grade
55	T3L10A	MR-2398	Ambe Hi-tech	OPC	Chisang Khola	14-Dec-19	21-Dec-19	11-Jan-20	6.57	Days	7.5
56	T3L10A	MR-2399	Ambe Hi-tech	OPC	Chisang Khola	14-Dec-19	21-Dec-19	11-Jan-20	5.87		7.5
7	T1L7B	MR-2400	Ambe Hi-tech	OPC	Chisang Khola	14-Dec-19	21-Dec-19	11-Jan-20	6,71	/	7.5
68	R-2	MR-2401	Ambe Hi-tech	OPC	Chisang Khola	14-Dec-19	21-Dec-19	11-Jan-20	6.57		7.5
0	R-44 R-26	MR-2402 MR-2403	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	15-Dec-19 15-Dec-19	22-Dec-19	12-Jan-20	6.01		7.5
1	T3L10A	MR-2404	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19 22-Dec-19	12-Jan-20 12-Jan-20	6,71		7.5
2	R-2	MR-2405	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	6.15		7.5
3	T3L24B	MR-2406	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	6.01		7.5
4	T3L24A	MR-2407	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	. 12-Jan-20	6.29		7.5
5	R-26	MR-2408	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	7.27		7,5
6	R-39	MR-2409	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	6.99		7.5
7	T3L10A	MR-2410	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	6.29		7.5
8	T1L7A	MR-2411	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	6.57		7.5
9	TIL7B T3L25A	MR-2412 MR-2413	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	5.73		7.5
1	T3L10A	MR-2414	Ambe Hi-tech	OPC OPC	Chisang Khola Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20 13-Jan-20	6.01		7.5
2	R-12	MR-2414	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19 23-Dec-19	13-Jan-20 13-Jan-20	6.99		7.5
3	R-26	MR-2416	Ambe Hi-tech	OPC	Chisang Khola	17-Dec-19	24-Dec-19	14-Jan-20	6.43		7.5
4	R-44	MR-2417	Ambe Hi-tech	OPC	Chisang Khola	17-Dec-19	24-Dec-19	14-Jan-20	5.87		7.5
5	R-39	MR-2418	Ambe Hi-tech	OPC	Chisang Khola	17-Dec-19	24-Dec-19	14-Jan-20	6.29		7.5
6	R-2	MR-2419	Ambe Hi-tech	OPC	Chisang Khola	17-Dec-19	24-Dec-19	14-Jan-20	6.85		7.5
7	R-39	MR-2420	Ambe Hi-tech	OPC	Chisang Khola	18-Dec-19	25-Dec-19	15-Jan-20	6.43		7.5
8	T3L24B	MR-2421	Ambe Hi-tech	OPC	Chisang Khola	18-Dec-19	25-Dec-19	15-Jan-20	6.29		7.5
0	T3L10A T3L7A	MR-2422 MR-2423	Ambe Hi-tech	OPC	Chisang Khola	18-Dec-19	25-Dec-19	15-Jan-20	5.73		7.5
	T3L7B	MR-2424	Ambe Hi-tech	OPC OPC	Chisang Khola Chisang Khola	19-Dec-19 19-Dec-19	26-Dec-19 26-Dec-19	16-Jan-20 16-Jan-20	6.43		7.5
2	R-26	MR-2425	Ambe Hi-tech	OPC	Chisang Khola	19-Dec-19	26-Dec-19	16-Jan-20	6.01	-	7.5
3	R-46	MR-2426	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	6.15		7.5
14	R-39	MR-2427	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	5.59		7.5
95	T3L10A	MR-2428	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	6.71		7,5
6	R-12	MR-2429	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	6.99		7.5
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			Sun	mary Sh	eet of Mortar	Test Repor	t				
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							Descri	ption of Samp	ole	-	k Wall
	D.F.	Lab		Deand of		Burnet		Testing	Strength		
S.N.	Location	Ref.no.	Type of Cement	Brand of Cement	Source of Sand	Date of Casting	7 Days	28 Days	7 Days	28 Days	Type o Grade
97	R-39	MR-2430	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	6.43	- 17	7.5
98	R-2	MR-2431	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	6.29		7.5
99	R-26	MR-2432	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	6.43		7.5
100	T3L25A	MR-2433	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	5.87		7.5
101	R-44	MR-2434	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	6.43		7.5
102	T3L10A	MR-2435	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	6.85		7.5
103	T3L7C	MR-2436	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	6,57		7.5
104	T3L7C	MR-2437	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	5.59		7.5
05	T3L10A	MR-2438	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	6.85		7.5
06	T3L10A	MR-2439	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	28-Dec-19	18-Jan-20	6.57		7.5
07	R-2	MR-2440	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	28-Dec-19	18-Jan-20	6.99		7.5
09	R-44 N-7	MR-2441 MR-2442	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	28-Dec-19	18-Jan-20	6.43		7.5
10	R-39	MR-2443	Ambe Hi-tech	OPC OPC	Chisang Khola Chisang Khola	21-Dec-19 21-Dec-19	28-Dec-19	18-Jan-20	6.29		7.5
11	T3L24B	MR-2444	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	28-Dec-19 28-Dec-19	18-Jan-20 18-Jan-20	6,71		7.5
12	R-26	MR-2445	Ambe Hi-tech	OPC	Chisang Khola	22-Dec-19	29-Dec-19	19-Jan-20	6.57	_	7.5
13	R-39	MR-2446	Ambe Hi-tech	OPC	Chisang Khola	22-Dec-19	29-Dec-19	19-Jan-20	5.73		7.5
14	T3L24B	MR-2447	Ambe Hi-tech	OPC	Chisang Khola	22-Dec-19	29-Dec-19	19-Jan-20	6.01	_	7.5
15	R-44	MR-2448	Ambe Hi-tech	OPC	Chisang Khola	22-Dec-19	29-Dec-19	19-Jan-20	5.73		7.5
16	R-12	MR-2449	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20	6.15		7.5
17	T1L7A	MR-2450	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20	5.87		7.5
18	R-2	MR-2451	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20	6.43		7.5
19	T1L7B	MR-2452	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20	6.57		7.5
20	R-39	MR-2453	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20	6.43		7.5
21	T3L24B	MR-2454	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20	6.01		7.5
22	T3L24B	MR-2455	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	7.13		7.5
23	R-12	MR-2456	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	6.01		7.5
24	R-12	MR-2457	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	6.29		7.5
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								Month		Dece	ember
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F25		F			1	1		ype of Materi	al	Conc	. Cube
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of Cement	Source of Sand+Agg.	Date of Casting		Testing	Strengt	h, N/mm2	Concrete
1	T3L19F	RUDP-2693	Ambe Hi-tech	OPC	Chisang Khola		7 Days	28 Days	7 Days	28 Days	Grade
2	T3L10	RUDP-2694	Ambe Hi-tech	OPC	Chisang Khola	4-Nov-19 6-Nov-19	11-Nov-19	2-Dec-19		24.48	M20
3	T319F	RUDP-2695	Ambe Hi-tech	OPC	Chisang Khola	6-Nov-19	13-Nov-19	4-Dec-19		21.86	M20
4	R-28	RUDP-2696	Ambe Hi-tech	OPC	Chisang Khola	8-Nov-19	13-Nov-19 15-Nov-19	4-Dec-19 6-Dec-19		21.86	M20
5	N-38	RUDP-2697	Ambe Hi-tech	OPC	Chisang Khola	11-Nov-19	18-Nov-19	9-Dec-19		22.11	M20
6	R-44	RUDP-2698	Ambe Hi-tech	OPC	Chisang Khola	12-Nov-19	19-Nov-19	10-Dec-19		22.84	M20
7	R-7	RUDP-2699	Ambe Hi-tech	OPC	Chisang Khola	12-Nov-19	19-Nov-19	10-Dec-19		22.75	M20 M20
8	R-4	RUDP-2700	Ambe Hi-tech	OPC	Chisang Khola	14-Nov-19	21-Nov-19	12-Dec-19		23.20	M20
9	R-44	RUDP-2701	Ambe Hi-tech	OPC	Chisang Khola	14-Nov-19	21-Nov-19	12-Dec-19		22.45	M20
10	R-2	RUDP-2702	Ambe Hi-tech	OPC	Chisang Khola	14-Nov-19	21-Nov-19	12-Dec-19		22.53	M20
11	T3L19F	RUDP-2703	Ambe Hi-tech	OPC	Chisang Khola	16-Nov-19	23-Nov-19	14-Dec-19		22.88	M20
12	R-12	RUDP-2704	Ambe Hi-tech	OPC	Chisang Khola	16-Nav-19	23-Nov-19	14-Dec-19		23.05	M20
14	R-40 T3L10	RUDP-2705	Ambe Hi-tech	OPC	Chisang Khola	16-Nov-19	23-Nov-19	14-Dec-19		22.75	M20
15	T3L19F	RUDP-2706 RUDP-2707	Ambe Hi-tech	OPC	Chisang Khola	18-Nov-19	25-Nov-19	16-Dec-19		23.88	M20
16	R-4	RUDP-2707	Ambe Hi-tech	OPC	Chisang Khola	18-Nov-19	25-Nov-19	16-Dec-19		22.68	M20
17	R-4	RUDP-2709	Ambe Hi-tech	OPC	Chisang Khola	18-Nov-19	25-Nov-19	16-Dec-19		22.75	M20
18	R-12	RUDP-2710	Ambe Hi-tech	OPC	Chisang Khola	18-Nov-19	25-Nov-19	16-Dec-19		17.01	M15
19	Koshi yard	RUDP-2711	Ambe Hi-tech	OPC	Chisang Khola	18-Nov-19	25-Nov-19	16-Dec-19		22.73	M20
20	R-28	RUDP-2712	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	19-Nov-19	26-Nov-19	17-Dec-19		23,67	M20
21	R-7	RUDP-2713	Ambe Hi-tech	OPC	Chisang Khola	19-Nov-19 21-Nov-19	26-Nov-19	17-Dec-19		21.71	M20
22	N-38	RUDP-2714	Ambe Hi-tech	OPC	Chisang Khola	21-Nov-19 21-Nov-19	28-Nov-19	19-Dec-19		22.60	M20
23	T3L10A	RUDP-2715	Ambe Hi-tech	OPC	Chisang Khola	21-Nov-19	28-Nov-19	19-Dec-19		22.73	M20
24	R-12	RUDP-2716	Ambe Hi-tech	OPC	Chisang Khola	21-Nov-19	28-Nov-19 28-Nov-19	19-Dec-19		23,94	M20
25	R-12	RUDP-2717	Ambe Hi-tech	OPC	Chisang Khola	22-Nov-19	29-Nov-19	19-Dec-19		22.26	M20
26	Koshi yard	RUDP-2718	Ambe Hi-tech	OPC	Chisang Khola	22-Nov-19	29-Nov-19	20-Dec-19		21.74	M20
27	R-2	RUDP-2719	Ambe Hi-tech	OPC	Chisang Khola	22-Nov-19	29-Nov-19	20-Dec-19 20-Dec-19		22.69	M20
28	R-44	RUDP-2720	Ambe Hi-tech	OPC	Chisang Khola	22-Nov-19	29-Nov-19	20-Dec-19		22.45	M20
29	R-12	RUDP-2721	Ambe Hi-tech	OPC	Chisang Khola	22-Nov-19	29-Nov-19	20-Dec-19		22.81	M20
30	R-4	RUDP-2722	Ambe Hi-tech	OPC	Chisang Khola	23-Nov-19	30-Nov-19	21-Dec-19		23.21	M20 M20
31	Koshi yard	RUDP-2723	Ambe Hi-tech	OPC	Chisang Khola	23-Nov-19	30-Nav-19	21-Dec-19		23.36	M20
32	T3L19F	RUDP-2724	Ambe Hi-tech	OPC	Chisang Khola	23-Nov-19	30-Nov-19	21-Dec-19		23.13	M20
33	R-12	RUDP-2725	Ambe Hi-tech	OPC	Chisang Khola	23-Nov-19	30-Nov-19	21-Dec-19		23.36	M20
34	R-12	RUDP-2726	Ambe Hi-tech	OPC	Chisang Khola	24-Nov-19	1-Dec-19	22-Dec-19	14.90	23.36	M20
35	T3L25A	RUDP-2727	Ambe Hi-tech	OPC	Chisang Khola	24-Nov-19	1-Dec-19	22-Dec-19	15,43	21.71	M20
37	Koshi yard R-4	RUDP-2728	Ambe Hi-tech	OPC	Chisang Khola	24-Nov-19	1-Dec-19	22-Dec-19	15,65	22.71	M20
38	T3L10A	RUDP-2729 RUDP-2730	Ambe Hi-tech	OPC	Chisang Khola	24-Nov-19	1-Dec-19	22-Dec-19	11.44	17,36	M15
39	R-4	RUDP-2731	Ambe Hi-tech	OPC	Chisang Khola	24-Nov-19	1-Dec-19	22-Dec-19	14.23	22,58	M20
40	R-12	RUDP-2731	Ambe Hi-tech	OPC	Chisang Khola	24-Nov-19	1-Dec-19	22-Dec-19	16,25	23.21	M20
41	R-3	RUDP-2732	Ambe Hi-tech	OPC	Chisang Khola	25-Nov-19	2-Dec-19	23-Dec-19	17.36	23.50	M20
42	R-5	RUDP-2733	Ambe Hi-fech	OPC	Chisang Khola	25-Nov-19	2-Dec-19	23-Dec-19	15,35	22.51	M20
43	N-10	RUDP-2734 RUDP-2735	Ambe Hi-tech	OPC	Chisang Khola	25-Nov-19	2-Dec-19	23-Dec-19	16,17	22.99	M20
14	R-26	RUDP-2736	Ambe Hi-tech	OPC	Chisang Khola	25-Nov-19	2-Dec-19	23-Dec-19	16,69	22.73	M20
(5	R-46	RUDP-2737	Ambe Hi-tech	OPC OPC	Chisang Khola	25-Nov-19	2-Dec-19	23-Dec-19	15.28	23.95	M20
16	R-44	RUDP-2738	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	26-Nov-19 26-Nov-19	3-Dec-19	24-Dec-19	14.61	22.73	M20
47	Koshi yard	RUDP-2739	Ambe Hi-tech	OPC	Chisang Khola		3-Dec-19	24-Dec-19	15.50	21.74	M20
		Contracto		77.4	Samuel Serior	26-Nov-19	3-Dec-19	24-Dec-19 sultant	16.02	23,33	M20
ZI	HONGHENG CONSTRUCTION GROUP FERNATIONAL ENGINEERING CO. LTD				BUILDING DI CONSULTA	NCY PVT.	THORITY (P	LTD IN JO	EERS & A	TURE WIT	TH B.N.
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S.N.	Location	Lab Ref.no.	Type of Cement	Brand of	257,000,000	Date of	Date of	Testing	Strength	, N/mm2	Concre
48	R-39	RUDP-2740	Ambe Hi-tech	Cement		Casting	7 Days	28 Days	7 Days	28 Days	Grade
49	R-5	RUDP-2741	Ambe Hi-tech	OPC	Chisang Khola	26-Nov-19	3-Dec-19	24-Dec-19	15.43	22.11	M20
50	T3L25D	RUDP-2742	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	26-Nov-19 27-Nov-19	3-Dec-19	24-Dec-19	15.80	23.85	M20
51	N-7	RUDP-2743	Ambe Hi-tech	OPC	Chisang Khola	27-Nov-19	4-Dec-19	25-Dec-19	15,65	23.77	M20
52	N-8	RUDP-2744	Ambe Hi-tech	OPC	Chisang Khola	27-Nov-19	4-Dec-19	25-Dec-19 25-Dec-19	16.10	24.91	M20
53	T2L24B	RUDP-2745	Ambe Hi-tech	OPC	Chisang Khola	27-Nov-19	4-Dec-19	25-Dec-19	15,73	23.36	M20
54	T2L24B	RUDP-2746	Ambe Hi-tech	OPC	Chisang Khola	27-Nov-19	4-Dec-19	25-Dec-19	14,90	23.03	M20 M20
55	Koshi-yard	RUDP-2747	Ambe Hi-tech	OPC	Chisang Khola	28-Nov-19	5-Dec-19	26-Dec-19	14.83	24.25	M20
56	T3L10A	RUDP-2748	Ambe Hi-tech	OPC	Chisang Khola	28-Nov-19	5-Dec-19	26-Dec-19	16.17	22.73	M20
57	R-83	RUDP-2749	Ambe Hi-tech	OPC	Chisang Khola	28-Nov-19	5-Dec-19	26-Dec-19	15.57	22.18	M20
58	TIL7A	RUDP-2750	Ambe Hi-tech	OPC	Chisang Khola	29-Nov-19	6-Dec-19	27-Dec-19	16.40	23,07	M20
60	R-83 T1L7A	RUDP-2751	Ambe Hi-tech	OPC	Chisang Khola	30-Nov-19	7-Dec-19	28-Dec-19	16.84	22.33	M20
61	TIL7A TIL7B	RUDP-2752 RUDP-2753	Ambe Hi-tech	OPC	Chisang Khola	30-Nov-19	7-Dec-19	28-Dec-19	15.95	23.85	M20
62	Koshi-yard	RUDP-2753	Ambe Hi-tech	OPC	Chisang Khola	30-Nov-19	7-Dec-19	28-Dec-19	16.77	23,77	M20
63	T1L7B	RUDP-2755	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	30-Nov-19	7-Dec-19	28-Dec-19	16.69	24.69	M20
64	R-2	RUDP-2756	Ambe Hi-tech	OPC	Chisang Khola	30-Nov-19 30-Nov-19	7-Dec-19	28-Dec-19	14.75	23.13	M20
65	T3L25A	RUDP-2757	Ambe Hi-tech	OPC	Chisang Khola	30-Nov-19	7-Dec-19 7-Dec-19	28-Dec-19	15.28	21.69	M20
66	T3L10	RUDP-2758	Ambe Hi-tech	OPC	Chisang Khola	1-Dec-19	8-Dec-19	28-Dec-19 29-Dec-19	14.75	22.29	M20
67	Koshi-yard	RUDP-2759	Ambe Hi-tech	OPC	Chisang Khola	1-Dec-19	8-Dec-19	29-Dec-19	15,65	22.88	M20
68	R-4	RUDP-2760	Ambe Hi-tech	OPC	Chisang Khola	1-Dec-19	8-Dec-19	29-Dec-19	14,68	24.91	M20 M20
69	R-12	RUDP-2761	Ambe Hi-tech	OPC	Chisang Khola	1-Dec-19	8-Dec-19	29-Dec-19	14.75	23:80	M20
70	N-10	RUDP-2762	Ambe Hi-tech	OPC	Chisang Khola	2-Dec-19	9-Dec-19	30-Dec-19	14.38	24.25	M20
71	R-26	RUDP-2763	Ambe Hi-tech	OPC	Chisang Khola	2-Dec-19	9-Dec-19	30-Dec-19	14.31	22.84	M20
72	Koshi-yard R-44	RUDP-2764	Ambe Hi-tech	OPC	Chisang Khola	2-Dec-19	9-Dec-19	30-Dec-19	15.68	22,18	M20
74	N-3	RUDP-2765 RUDP-2766	Ambe Hi-tech	OPC	Chisang Khola	2-Dec-19	9-Dec-19	30-Dec-19	15,50	23.88	M20
75	Koshi-yard	RUDP-2767	Ambe Hi-tech	OPC	Chisang Khola	3-Dec-19	10-Dec-19	31-Dec-19	16.32	22.58	M20
76	R-39	RUDP-2768	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	3-Dec-19	10-Dec-19	31-Dec-19	15.05	23.03	M20
77	R-5	RUDP-2769	Ambe Hi-tech	OPC	Chisang Khola	3-Dec-19 3-Dec-19	10-Dec-19 10-Dec-19	31-Dec-19 31-Dec-19	15.05	23.18	M20
78	T2L25D	RUDP-2770	Ambe Hi-tech	OPC	Chisang Khola	3-Dec-19	10-Dec-19	31-Dec-19	15.80	24.14	M20
79	N-7	RUDP-2771	Ambe Hi-tech	OPC	Chisang Khola	3-Dec-19	10-Dec-19	31-Dec-19	16.10	- 23.84 24.37	M20
80	T2L24B	RUDP-2772	Ambe Hi-tech	OPC	Chisang Khola	4-Dec-19	11-Dec-19	1-Jan-20	15.87	24.31	M20 M20
11	R-83	RUDP-2773	Ambe Hi-tech	OPC	Chisang Khola	4-Dec-19	11-Dec-19	1-Jan-20	16.17		M20
12	TIL7A	RUDP-2774	Ambe Hi-tech	OPC	Chisang Khola	4-Dec-19	11-Dec-19	1-Jan-20	16.82		M20
13	TIL7B	RUDP-2775	Ambe Hi-tech	OPC	Chisang Khola	4-Dec-19	11-Dec-19	1-Jan-20	14,61		M20
14	Koshi-yard	RUDP-2776	Ambe Hi-tech	OPC	Chisang Khola	4-Dec-19	11-Dec-19	1-Jan-20	15.28		M15
6	R-44	RUDP-2777	Ambe Hi-tech	OPC	Chisang Khola	4-Dec-19	11-Dec-19	1-Jan-20	16.85		M20
7	R-9	RUDP-2778	Ambe Hi-tech	OPC	Chisang Khola	5-Dec-19	12-Dec-19	2-Jan-20	15.20		M20
8	Koshi-yard	RUDP-2780	Ambe Hi-tech	OPC	Chisang Khola	5-Dec-19	12-Dec-19	2-Jan-20	14.90		M20
9	T3L25A	RUDP-2781	Ambe Hi-tech	OPC	Chisang Khola	5-Dec-19	12-Dec-19	2-Jan-20	14.75		M20
0	T3L10A	RUDP-2781	Ambe Hi-tech	OPC	Chisang Khola	5-Dec-19	12-Dec-19	2-Jan-20	15.05		M20
1	R-12	RUDP-2783	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	5-Dec-19	12-Dec-19	2-Jan-20	15.57		M20
2	R-44	RUDP-2784	Ambe Hi-tech	OPC	Chisang Khola	5-Dec-19 6-Dec-20	12-Dec-19	2-Jan-20	17.15		M20
3	Koshi-yard	RUDP-2785	Ambe Hi-tech	OPC	Chisang Khola	6-Dec-20	13-Dec-20 13-Dec-20	3-Jan-21 3-Jan-21	14.61		M20
4	T2L25D	RUDP-2786	Ambe Hi-tech	OPC	Chisang Khola	6-Dec-20	13-Dec-20 13-Dec-20	3-Jan-21 3-Jan-21	16.77		M20
		Contracto	or					sultant	10.00	-	M20
ZI	HONGHEN	G CONSTR	ACTION GR	OUP D. LTD	BUILDING DI CONSULTAI	NCY PVT.	THORITY (F LTD AND PI LD, KATHN	LUS ENGIN	EERS & A	TURE WIT	TH B.N. TS (P)
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S.N.	Location	Lab Ref.no.	Type of Cement	Brand of	110000000000000000000000000000000000000	Date of		Testing	Strength	, N/mm2	Concret
95	N-7	RUDP-2787	Ambe Hi-tech	Cement	Sand+Agg.	Casting	7 Days	28 Days	7 Days	28 Days	Grade
96	T2L25D	RUDP-2788	Ambe Hi-tech	OPC	Chisang Khola	6-Dec-19	13-Dec-19	3-Jan-20	15.50		M20
97	R-5	RUDP-2789	Ambe Hi-tech	OPC OPC	Chisang Khola	6-Dec-19	13-Dec-19	3-Jan-20	15,88		M20
98	T3L10A	RUDP-2790	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	6-Dec-19	13-Dec-19	3-Jan-20	16.25		M20
99	Koshi-yard	RUDP-2791	Ambe Hi-tech	OPC	Chisang Khola	6-Dec-19	13-Dec-19	3-Jan-20 3-Jan-20	16.10		M20
100	R-4	RUDP-2792	Ambe Hi-tech	OPC	Chisang Khola	6-Dec-19	13-Dec-19	3-Jan-20	14.98		M20
101	T3L10	RUDP-2793	Ambe Hi-tech	OPC	Chisang Khola	6-Dec-19	13-Dec-19	3-Jan-20	16.70		M20
102	TIL7B	RUDP-2794	Ambe Hi-tech	OPC	Chisang Khola	7-Dec-19	14-Dec-19	4-Jan-20	15.13		M20
103	T3L10A	RUDP-2795	Ambe Hi-tech	OPC	Chisang Khola	7-Dec-19	14-Dec-19	4-Jan-20	14,90		M20
104	T3L10A	RUDP-2796	Ambe Hi-tech	OPC	Chisang Khola	7-Dec-19	14-Dec-19	4-Jan-20	15.80		M20 M20
105	N-8	RUDP-2797	Ambe Hi-tech	OPC	Chisang Khola	7-Dec-19	14-Dec-19	4-Jan-20	15.28		M20
106	R-2	RUDP-2798	Ambe Hi-tech	OPC	Chisang Khola	7-Dec-19	14-Dec-19	4-Jan-20	16.69		M20
107	R-44	RUDP-2799	Ambe Hi-tech	OPC	Chisang Khola	7-Dec-19	14-Dec-19	4-Jan-20	15.05		M20
108	R-12	RUDP-2800	Ambe Hi-tech	OPC	Chisang Khola	7-Dec-19	14-Dec-19	4-Jan-20	15.05		M20.
110	N-10	RUDP-2801	Ambe Hi-tech	OPC	Chisang Khola	7-Dec-19	14-Dec-19	4-Jan-20	16.10		M20
III	Koshi-yard T3L10	RUDP-2802	Ambe Hi-tech	OPC	Chisang Khola	7-Dec-19	14-Dec-19	4-Jan-20	16.69		M20
112	R-26	RUDP-2803	Ambe Hi-tech	OPC	Chisang Khola	8-Dec-19	15-Dec-19	5-Jan-20	15.72		M20
113	Koshi-yard	RUDP-2804	Ambe Hi-tech	OPC	Chisang Khola	8-Dec-19	15-Dec-19	5-Jan-20	15.65		M20
114	Madhumara-yard	RUDP-2805 RUDP-2806	Ambe Hi-tech	OPC	Chisang Khola	8-Dec-19	15-Dec-19	5-Jan-20	16.25		M20
115	T3L25D	RUDP-2807	Ambe Hi-tech	OPC	Chisang Khola	8-Dec-19	15-Dec-19	5-Jan-20	18.27	- 3	M25
116	T3L24B	RUDP-2808	Ambe Hi-tech	OPC	Chisang Khola	9-Dec-19	16-Dec-19	6-Jan-20	15.57		M20
117	R-46	RUDP-2809	Ambe Hi-tech	OPC	Chisang Khola	9-Dec-19	16-Dec-19	6-Jan-20	15,87		M20
18	T3L10A	RUDP-2810	Ambe Hi-tech	OPC	Chisang Khola	10-Dec-20 10-Dec-19	17-Dec-20	7-Jan-21	16.25		M20
(19	R-83	RUDP-2811	Ambe Hi-tech	OPC	Chisang Khola	10-Dec-19	17-Dec-19	7-Jan-20	14.46		M20
20	Koshi-yard	RUDP-2812	Ambe Hi-tech	OPC	Chisang Khola	11-Dec-19	17-Dec-19	7-Jan-20	16,25		M20
21	Madhumara-yard	RUDP-2813	Ambe Hi-tech	OPC	Chisang Khola	11-Dec-19	18-Dec-19	8-Jan-20	15,80		M20
22	R-5	RUDP-2814	Ambe Hi-tech	OPC	Chisang Khola	11-Dec-19	18-Dec-19 18-Dec-19	8-Jan-20 8-Jan-20	18.93		M25
23	N-7	RUDP-2815	Ambe Hi-tech	OPC	Chisang Khola	12-Dec-19	19-Dec-19	9-Jan-20	15.28		M20
24	R-46	RUDP-2816	Ambe Hi-tech	OPC	Chisang Khola	12-Dec-19	19-Dec-19	9-Jan-20	14.33		M20 M20
25	R-39	RUDP-2817	Ambe Hi-tech	OPC	Chisang Khola	12-Dec-19	19-Dec-19	9-Jan-20	15.13		M20
26	Koshi-yard	RUDP-2818	Ambe Hi-tech	OPC	Chisang Khola	12-Dec-19	19-Dec-19	9-Jan-20	14.90		M20
27	R-12	RUDP-2819	Ambe Hi-tech	OPC	Chisang Khola	12-Dec-19	19-Dec-19	9-Jan-20	15.80		M20
28	R-4	RUDP-2820	Ambe Hi-tech	OPC	Chisang Khola	12-Dec-19	19-Dec-19	9-Jan-20	15.95		M20
29	R-4	RUDP-2821	Ambe Hi-tech	OPC	Chisang Khola	12-Dec-19	19-Dec-19	9-Jan-20	12.34		M15
30	R-4	RUDP-2822	Ambe Hi-tech	OPC	Chisang Kholn	12-Dec-19	19-Dec-19	9-Jan-20	16.25		M20
31	R-12	RUDP-2823	Ambe Hi-tech	OPC	Chisang Khola	12-Dec-19	19-Dec-19	9-Jan-20	16.10		M20
32	Koshi-yard Madhumara-yard	RUDP-2824	Ambe Hi-tech	OPC	Chisang Khola	12-Dec-19	19-Dec-19	9-Jan-20	17.14		M20
34	T3L10	RUDP-2825 RUDP-2826	Ambe Hi-tech	OPC	Chisang Khola	12-Dec-19	19-Dec-19	9-Jan-20	18.34		M20
35	T3L25A			OPC	Chisang Khola	13-Dec-19	20-Dec-19	10-Jan-20	16.33	*	M20
36		RUDP-2827	Ambe Hi-tech	OPC	Chisang Khola	13-Dec-19	20-Dec-19	10-Jan-20	14.53		M20
37	R-12 R-26	RUDP-2828 RUDP-2829	Ambe Hi-tech	OPC	Chisang Khola	13-Dec-19	20-Dec-19	10-Jan-20	16 69		M20
38	Koshi-yard	RUDP-2830	Ambe Hi-tech	OPC	Chisang Khola	13-Dec-19	20-Dec-19	10-Jan-20	14.46		M20
39	R-3	RUDP-2831	Ambe Hi-tech	OPC OPC	Chisang Khola	13-Dec-19	20-Dec-19	10-Jan-20	17.06		M20
40.	R-46	RUDP-2832	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	13-Dec-19	20-Dec-19	10-Jan-20	16.32		M20
41.	R-4	RUDP-2833	Ambe Hi-tech	OPC	Chisang Khola	14-Dec-19 14-Dec-20	21-Dec-19	11-Jan-20	16.40		M20
		Contracto			Sandaria Rindia	14-140-20	21-Dec-20	11-Jan-21	12.86		M15
Z	HONG PENO TERNATION	ON GROUP INTERM	DCTION GI	ROUP D. LTD	BUILDING D CONSULTA	NCY PVT.	THORFTY (PLTD AND PL LTD KATHN	LUSENGIN	EERS & A	TURE WIT	TH B.N.
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			REGIO		JRBAN DE Biratnagar M Contract No:- I nary Sheet of Co	etropolita RUDP/ICB/	n City BRT-02	PROJEC	СТ	/	
								Month Year		Dece 20	
							T	ype of Materia	1	Conc.	1000
S.N.	Location	Lab Ref.no.	Type of Cement	Brand of	Source of	Date of	Date of			, N/mm2	Concret
	E-CHILIDO	zato ryvinto.	Type of Cement	Cement	Sand+Agg.	Casting	7 Days	28 Days	7 Days	28 Days	Grade
142	R-44	RUDP-2834	Ambe Hi-tech	OPC	Chisang Khola	14-Dec-19	21-Dec-19	11-Jan-20	16.10		M20
143	R-39	RUDP-2835	Ambe Hi-tech	OPC	Chisang Khola	14-Dec-19	21-Dec-19	11-Jan-20	15,57		M20
144	R-4	RUDP-2836	Ambe Hi-tech	OPC	Chisang Khola	14-Dec-19	21-Dec-19	11-Jan-20	16.40		M20
145	R-5	RUDP-2837	Ambe Hi-tech	OPC	Chisang Khola	14-Dec-19	21-Dec-19	11-Jan-20	15.43		M20
146	R-2 R-3	RUDP-2838	Ambe Hi-tech	OPC	Chisang Khola	14-Dec-19	21-Dec-19	11-Jan-20	17.52		M20
148	Koshi-yard	RUDP-2839	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	15:28		M20
149	N-2	RUDP-2840	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	17.15		M20
150	N-10	RUDP-2842	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	15.35		M20
151	R-9	RUDP-2843	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	14.46		M20
152	TIL7A	RUDP-2844	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	15,65		M20
153	R-4	RUDP-2845	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	15.15		M20
154	R-4	RUDP-2846	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	15-Dec-19 15-Dec-19	22-Dec-19	12-Jan-20	13.35		M20
155	R-12	RUDP-2847	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19 22-Dec-19	12-Jan-20 12-Jan-20	17.15		M20
156	R-44	RUDP-2848	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20 12-Jan-20	14.46		M20
157	Koshi-yard	RUDP-2849	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	16.39		M20
158	N-7	RUDP-2850	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	16.47	1	M20
159	N-8	RUDP-2851	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	15.28		M20
60	TIL7A	RUDP-2852	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	14.75		M20
161	T3L24B	RUDP-2853	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	15.87		M20 M20
62	R-5	RUDP-2854	Ambe Hi-tech	OPC	Chisang Khola	15-Dec-19	22-Dec-19	12-Jan-20	16,65		M20
63	R-83	RUDP-2855	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	15.80		M20
64	T3L10A	RUDP-2856	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	14.68		M20
65	R-3	RUDP-2857	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	17.15		M20
66	Koshi-yard	RUDP-2858	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	17.74		M20
67	R-4	RUDP-2859	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	12.34		M20
68	R-4	RUDP-2860	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	13.27		M15
69	Madhumara-yard	RUDP-2861	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	17.82		M25
70	TILL7B	RUDP-2862	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	15.35		M20
71 72	T3L25A	RUDP-2863	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	14.23		M20
73	R-5 N-8	RUDP-2864 RUDP-2865	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	15.35		M20
74	N-2	RUDP-2866	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	15.57		M20
75	R-9	RUDP-2867	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	15.20		M20
76	N-10	RUDP-2868	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	16.69		M20
77	R-12	RUDP-2869	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19 16-Dec-19	23-Dec-19	13-Jan-20	16,62		M20
78	Koshi-yard	RUDP-2870	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19	13-Jan-20	16.33	_	M20
79	R-46	RUDP-2871	Ambe Hi-tech	OPC	Chisang Khola	16-Dec-19	23-Dec-19 23-Dec-19	13-Jan-20 13-Jan-20	18:12		M20
80	R-5	RUDP-2872	Ambe Hi-tech	OPC	Chisang Khola	17-Dec-19	24-Dec-19	13-Jan-20 14-Jan-20	15.72		M20
81	Koshi-yard	RUDP-2873	Ambe Hi-tech	OPC	Chisang Khola	17-Dec-19	24-Dec-19	14-Jan-20 14-Jan-20	15,28		M20
82	Koshi-yard	RUDP-2874	Ambe Hi-tech	OPC	Chisang Khola	17-Dec-19	24-Dec-19	14-Jan-20			M20
83	R-12	RUDP-2875	Ambe Hi-tech	OPC	Chisang Khola	17-Dec-19	24-Dec-19	14-Jan-20 14-Jan-20	17.67		M20
34	T1L7A	RUDP-2876	Ambe Hi-tech	OPC	Chisang Khola	17-Dec-19	24-Dec-19	14-Jan-20	14.75		M20
35	Madhumara-yard	RUDP-2877	Ambe Hi-tech	OPC	Chisang Khola	17-Dec-19	24-Dec-19	14-Jan-20	16.69		M20
36	Koshi-yard	RUDP-2878	Ambe Hi-tech	OPC	Chisang Khola	17-Dec-19	24-Dec-19	14-Jan-20	23.13		M20 M30
37	T2L24B	RUDP-2879	Ambe Hi-tech	OPC	Chisang Khola	17-Dec-19	24-Dec-19	14-Jan-20	15.35		M20
88	R-44	RUDP-2880	Ambe Hi-tech	OPC	Chisang Khola	17-Dec-19	24-Dec-19	14-Jan-20	16,69		M15
		Contract	or				Cor	sultant		-	0.00
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			REGIO		JRBAN DI Biratnagar M Contract No:- nary Sheet of Co	letropolita RUDP/ICB/	an City BRT-02		CT		
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_		-					1	ype of Materi	al		Cube
S.N	Location	Lab Ref.no.	Type of Cement	Brand of Cement	200000000000000000000000000000000000000	Date of	Date of	Testing	Strength	, N/mm2	Concret
189	N-7	RUDP-2881	Ambe Hi-tech	OPC	Sand+Agg.	Casting	7 Days	28 Days	7 Days	28 Days	Grade
190	R-2	RUDP-2882	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	17-Dec-19	24-Dec-19	14-Jan-20	14.90		M20
191	Koshi Yard	RUDP-2883	Ambe Hi-tech	OPC	Chisang Khola	17-Dec-19 18-Dec-19	24-Dec-19 25-Dec-19	14-Jan-20	15.80		M20
192	T3L10	RUDP-2884	Ambe Hi-tech	OPC	Chisang Khola	18-Dec-19	25-Dec-19 25-Dec-19	15-Jan-20 15-Jan-20	18.12		M20
193	T2L25D	RUDP-2885	Ambe Hi-tech	OPC	Chisang Khola	18-Dec-19	25-Dec-19	15-Jan-20	14.98		M20
194	R-12	RUDP-2886	Ambe Hi-tech	OPC	Chisang Khola	18-Dec-19	25-Dec-19	15-Jan-20	15.13		M20 M20
195	R-5	RUDP-2887	Ambe Hi-tech	OPC	Chisang Khola	18-Dec-19	25-Dec-19	15-Jan-20	16.25		M20
196	Koshi Yard	RUDP-2888	Ambe Hi-tech	OPC	Chisang Khola	18-Dec-19	25-Dec-19	15-Jan-20	14.75		M20
197	T3L25A	RUDP-2889	Ambe Hi-tech	OPC	Chisang Khola	18-Dec-19	25-Dec-19	15-Jan-20	15.35		M20
199	N-10 R-4	RUDP-2890 RUDP-2891	Ambe Hi-tech	OPC	Chisang Khola	18-Dec-19	25-Dec-19	15-Jan-20	15.20		M20
200	R-39	RUDP-2891	Ambe Hi-tech	OPC	Chisang Khola	18-Dec-19	25-Dec-19	15-Jan-20	17.52		M20
201	R-9	RUDP-2892	Ambe Hi-tech	OPC OPC	Chisang Khola	18-Dec-19	25-Dec-19	15-Jan-20	15.43		M20
202	R-4	RUDP-2894	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	18-Dec-19 19-Dec-19	25-Dec-19	15-Jan-20	17,59		M20
203	R-4	RUDP-2895	Ambe Hi-tech	OPC	Chisang Khola	19-Dec-19	26-Dec-19	16-Jan-20	13,68		M20
204	T3L10	RUDP-2896	Ambe Hi-tech	OPC	Chisang Khola	19-Dec-19	26-Dec-19 26-Dec-19	16-Jan-20 16-Jan-20	12.79		M-15
205	R-39	RUDP-2897	Ambe Hi-tech	OPC	Chisang Khola	19-Dec-19	26-Dec-19 26-Dec-19	16-Jan-20 16-Jan-20	15,95		M20
206	N-2	RUDP-2898	Ambe Hi-tech	OPC	Chisang Khola	19-Dec-19	26-Dec-19 26-Dec-19	16-Jan-20 16-Jan-20	16.17		M20
207	R-2	RUDP-2899	Ambe Hi-tech	OPC	Chisang Khola	19-Dec-19	26-Dec-19	16-Jan-20	15.95		M20 M20
208	Koshi Yard	RUDP-2900	Ambe Hi-tech	OPC	Chisang Khola	19-Dec-19	26-Dec-19	16-Jan-20	18.05		M20
209	Koshi Yard	RUDP-2901	Ambe Hi-tech	OPC	Chisang Khola	19-Dec-19	26-Dec-19	16-Jan-20	14,90		M20
210	T2L24E R-46	RUDP-2902	Ambe Hi-tech	OPC	Chisang Khola	19-Dec-19	26-Dec-19	16-Jan-20	16.39		M20
212	R-46	RUDP-2903 RUDP-2904	Ambe Hi-tech	OPC	Chisang Khola	19-Dec-19	26-Dec-19	16-Jan-20	15:35		M20
213	R-20	RUDP-2905	Ambe Hi-tech	OPC	Chisang Khola	19-Dec-19	26-Dec-19	16-Jan-20	14.68		M20
214	R-4	RUDP-2906	Ambe Hi-tech	OPC	Chisang Khola	19-Dec-19	26-Dec-19	16-Jan-20	16.39		M20
215	Madhumara-Yard	RUDP-2907	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	19-Dec-19	26-Dec-19	16-Jan-20	17.52		M20
216	Koshi Yard	RUDP-2908	Ambe Hi-tech	OPC	Chisang Khola	19-Dec-19	26-Dec-19 26-Dec-19	16-Jan-20 16-Jan-20	20.36		M25
217	T)L7B	RUDP-2909	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	23.50 15.05		M30
218	T3L25A	RUDP-2910	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	15.05		M20 M20
219	T3L10	RUDP-2911	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	14.98		M20
220	Koshi Yard	RUDP-2912	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	17.08		M20
221	Koshi Yard	RUDP-2913	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	15.43		M20
222	Koshi Yard	RUDP-2914	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	14.46		M20
24	R-4	RUDP-2915	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	16.92		M20
25	R-3 R-46	RUDP-2916 RUDP-2917	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	14.90		M20
26	R-44	RUDP-2917 RUDP-2918	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19	27-Dec-19	17-Jan-20	16.10	14	M20
27	Madhumara-Yard	RUDP-2919	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	20-Dec-19 20-Dec-19	27-Dec-19	17-Jan-20	15.28		M25
28	N-7	RUDP-2920	Ambe Hi-tech	OPC	Chisang Khola	20-Dec-19 20-Dec-19	27-Dec-19	17-Jan-20	18,05		M20
29	Koshi Yard	RUDP-2921	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	27-Dec-19	17-Jan-20	15.05		M20
30	Koshi Yard	RUDP-2922	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	27-Dec-19	18-Jan-20	15.72		M20
31	R-12	RUDP-2923	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19 21-Dec-19	28-Dec-19 28-Dec-19	18-Jan-20 18-Jan-20	14.83		M20
32	T3L24B	RUDP-2924	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	28-Dec-19	18-Jan-20 18-Jan-20	15.28		M20
13	R-26	RUDP-2925	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	28-Dec-19	18-Jan-20 18-Jan-20	16,32 15,05		M20
34	N-7	RUDP-2926	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	28-Dec-19	18-Jan-20	16.10		M20 M20
35	TIL7B	RUDP-2927	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	28-Dec-19	18-Jan-20	16.77		M20 M15
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Z IN	HONGHENG TERNATION	G CONSTR FAL ENGIN	OCTION GI	ROUP O. LTD	BUILDING D CONSULTA	NCY PVT.	THORITY (P LTD AND PI TD, KATHM	USENGIN	EERS & Al	TURE WIT	TH B.N. TS (P)
gin	led By Submitted By				Verified By	1000	RUDP & Biramayan & Ap			pproved By	
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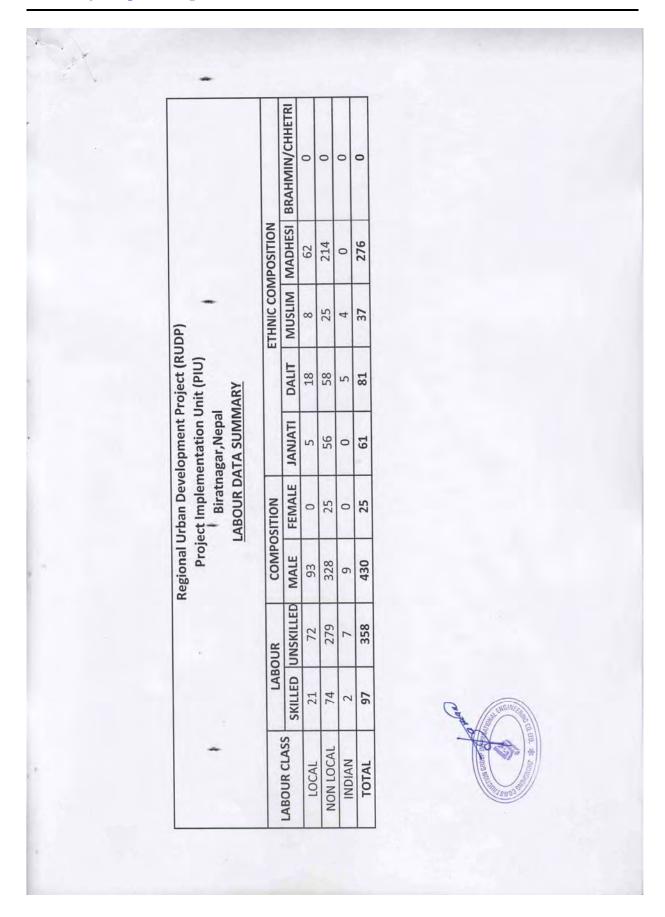


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S.N.	Location	Lab Ref.no.	Type of Cement	Brand of	Source of	Date of		Testing	1	, N/mm2	Concrete	
		-	Type of Cement	Cement	Sand+Agg.	Casting	7 Days	28 Days	7 Days	28 Days	Grade	
236	R-4	RUDP-2928	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	28-Dec-19	18-Jan-20	13.35		M20	
237	R-4	RUDP-2929	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	28-Dec-19	18-Jan-20	12.04		M20	
238	R-44	RUDP-2930	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	28-Dec-19	18-Jan-20	17.29		M20	
240	N-8 R-2	RUDP-2931 RUDP-2932	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	28-Dec-19	18-Jan-20	17.37		M20	
241	R-5	RUDP-2933	Ambe Hi-tech	OPC	Chisang Khola	21-Dec-19	28-Dec-19	18-Jan-20	16.85		M20	
242	R-39	RUDP-2934	Ambe Hi-tech	OPC	Chisang Khola Chisang Khola	21-Dec-19	28-Dec-19	18-Jan-20	15.05		M20	
243	R-12	RUDP-2935	Ambe Hi-tech	OPC	Chisang Khola	22-Dec-19 22-Dec-19	29-Dec-19	19-Jan-20	16,17		M20	
244	Koshi-yard	RUDP-2936	Ambe Hi-tech	OPC	Chisang Khola	22-Dec-19 22-Dec-19	29-Dec-19	19-Jan-20	16.62		M20	
245	Madhumara-yard	RUDP-2937	Ambe Hi-tech	OPC	Chisang Khola	22-Dec-19 22-Dec-19	29-Dec-19	19-Jan-20	18.12		M20	
246	R-4	RUDP-2938	Ambe Hi-tech	OPC	Chisang Khola	22-Dec-19	29-Dec-19	19-Jan-20	17.74		M25	
247	R-4	RUDP-2939	Ambe Hi-tech	OPC	Chisang Khola	22-Dec-19	29-Dec-19	19-Jan-20	12,34		M15	
248	Koshi-yard	RUDP-2940	Ambe Hi-tech	OPC	Chisang Khola	22-Dec-19	29-Dec-19	19-Jan-20	13.65		M20	
249	T3L24B	RUDP-2941	Ambe Hi-tech	OPC	Chisang Khola	22-Dec-19	29-Dec-19 29-Dec-19	19-Jan-20 19-Jan-20	14.98		M20	
250	Koshi-yard	RUDP-2942	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	19-Jan-20 20-Jan-20	15.50		M20	
251	Koshi-yard	RUDP-2943	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20 20-Jan-20	17.06		M20	
252	R-5	RUDP-2944	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20 20-Jan-20	15.13 15.20		M20	
253	TIL7A	RUDP-2945	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20	14.46		M20	
254	Koshi-yard	RUDP-2946	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20	15.35		M20	
255	R-4	RUDP-2947	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20	16.62		M20	
256	R-39	RUDP-2948	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20	15.43		M20 M20	
257	R-2	RUDP-2949	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20	15.80		M20	
258	R-44	RUDP-2950	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20	14.90		M20	
259	T2L25D	RUDP-2951	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20	16.70		M20	
260	Koshi-yard	RUDP-2952	Ambe Hi-tech	OPC	Chisang Khola	23-Dec-19	30-Dec-19	20-Jan-20	23,13		M30	
261	R-4	RUDP-2953	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	12.12		MIS	
262	R-4	RUDP-2954	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	13.20		M20	
263	Koshi-yard	RUDP-2955	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	16.02		M20	
264	R-5	RUDP-2956	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	14.46		M20	
265	R-12	RUDP-2957	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	14.90		M20	
266	TIL7A	RUDP-2958	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	16,02	- 1	M20	
267	Koshi-yard	RUDP-2959	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	14.75		M20	
268	R-44	RUDP-2960	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	16.25		M20	
269	R-5	RUDP-2961	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	15.87		M20	
270	R-39	RUDP-2962	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	15.05		M20	
271	N-7	RUDP-2963	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	15,72		M20	
272	R-26	RUDP-2964	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	14.68		M20	
.73	N-8	RUDP-2965	Ambe Hi-tech	OPC	Chisang Khola	24-Dec-19	31-Dec-19	21-Jan-20	14,68		M20	
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	CO ITO.	* Zhono					Con	sultant				
ZI	HONGHENG ERNATION	CONSTR AL ENGIN	OCTION GR	OUP O. LTD	BUILDING D CONSULTA	NCY PVT	THORITY (F LTD AND P YD, KATH	US ENGIN	EERS & A	TURE WIT	TH B.N.	
heck	ted By Submitted By				1.81		RUDP)			pproved By		
	dra Yadav		Contract Ma		Expert Qty Surv					m Leader		
or en	ara radav		Rabindra K.1	hakur	H.K. Mandal/Raja	o Cheartha				esh Chand		



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

**Monitoring Formats Attached – December 2019** 





Month/Year: Dece, 2019		BRAHMIN/CHHETRI	0			0	,			0			0			0			0			0		0			
	ETHNIC COMPOSITION	MADHESI	0,	07		9	0			0			4			11			S			60		20			
	ETHNIC CO	MUSUM		0			0	+		2			0			0			5			0		2			
		DALIT		0			n			00			0			so.			4			4		4			
		JANJATI		2			0			0			00			0			0			0		0			
Project Implementation Unit (PIU) Biratnagar, Nepal LABOUR DATA	COMPOSITION	FEMALE		0			0			8			0			0			0			0		0			
Implementation Uni Biratnagar, Nepal IABOUR DATA	COMP	MALE		15			16	-		7			12			16			14			12		14			
Projec	UR	UNSKILLED		12			12			7			00			13			10			10		11			
	LABOUR	SKILLED		e	15		4	16		3	10		4	12		m	16		4	14		2	12	60		14	
	TYPES OF WORKERS		LOCAL	NON LOCAL	TOTAL	LOCAL	NON LOCAL	TOTAL	LOCAL	NON LOCAL	TOTAL	LOCAL	NON LOCAL	TOTAL	LOCAL	NON LOCAL	TOTAL	LOCAL	NON LOCAL	TOTAL	LOCAL	NON LOCAL	TOTAL	LOCAL	NON LOCAL	TOTAL	
	TYPES OF WORK			Drain Group A		Drain Group 8				Drain			Kerbstone			RCC Drain			Drain			Drain			Drain		ALL THE WAS THE STATE OF THE ST
	LOCATION	TO T		R2			RZ			Rani			Rani			R4			R26			T1L7A			T1L7B		THOO SHOOL
	CNO	S.NO				7				m			in .			9			_			00			6		



											Month/Year: Dece, 2019	ece, 2019
S.NO	LOCATION	TYPES OF WORK	TYPES OF WORKERS	N	LABOUR	COMP	COMPOSITION			ETHNIC CO	ETHNIC COMPOSITION	
				SKILLED	UNSKILLED	MALE	FEMALE	JANJATI	DAUT	MUSUM	MADHESI	BRAHMIN/CHHEIRI
			LOCAL	0	10	12	0	0	0	0	12	0
	R110	Drain Maintenance	INDIAN									
			TOTAL	12								
			1000		16	000	0	S	5	0	10	0
			NON LOCAL	*	0.7	2						
	N7	Drain	INDIAN									
	,		TOTAL	20				-			+	
	-		11000									
	1		LOCAL	3	12	15	0	0	2	4	9	0
	N8	Drain	INDIAN									
- 1			TOTAL	15								
			LOCAL									
			NON LOCAL	2	12	14	0	4	0	5	2	0
	R3 Trunk Line	Drain	INDIAN									
			TOTAL	14								
			IOCAL									
	7		NON LOCAL	4	13	17	0	7	0	0	10	0
	RS (T21.24)	Drain	INDIAN									
			TOTAL	17								
			LOCAL	2	9	80	0	0	0	0	80	0
			NON LOCAL									
	T3L10C	Gutter	INDIAN									
			TOTAL	60								
			LOCAL				c		J	c	ď	0
	R45	Gutter	NON LOCAL	m	00	11	0	0	0			
			TOTAL	11								
			LOCAL								r	c
	D2 Trumb line	Kerhstone	NON LOCAL	2	7	6	0	0	2	0		
			INDIAN	6								
44 50			LOCAL								4	
	00	COULD INTERNATION	NON LOCAL	4	12	16	0	2	2	0	9	0
	Egge	A STATE OF THE STA	INDIAN	16								
L		The same of the sa										



R3 Sub-base NON LOCAL LOCAL LOCAL NON LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL NON LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL NON LOCAL LOCA						Projec	Biratnagar, Nepal	Project Implementation Unit (P10) Biratnagar,Nepal LABOUR DATA				Month/Year: Dece, 2019	Dece, 2019
R10	S.NO	LOCATION	TYPES OF WORK	TYPES OF WORKERS	2	BOUR	COMP	OSITION			ETHNIC CO	MPOSITION	
Right   Notice   No	+			10001	SKILLED	UNSKILLED	MALE	FEMALE	DANJATI	DAUT	MUSEIM	MADHESI 11	BRAHMIN/CHIE
Fig.   Connection   Fig.   F	-		House	NON LOCAL									
Right   Court   Court   Stab base   Court	13	K2	Connection	INDIAN									
ROBIN COOK   Sub-base   NOON COOK   Sub-base   Sub-base   NOON COOK   Sub-base   NOON COOK   Sub-base   Sub-base   NOON COOK   Sub-base   Sub-base   NOON COOK   Sub-base   Sub-base   NOON COOK   Sub-base   Sub-b	-			TOTAL	11								
R3	+			LOCAL									
NOTION   12   1   1   1   1   1   1   1   1	_	830	Drain	NON LOCAL	m	6	12	0	0	2	0	10	0
Sub-base Nonicolar Nonicolar Sub-base (Coduction)         100AL ASPIRATION         2         6         8         0         0         3         5           Sub-base (NONICOLAL Sub-base (NONICOLAL Sub-base (NONICOLAL Sub-base (NONICOLAL Sub-base (NONICOLAL Sub-base)         100AL ASPIRATIONAL Sub-base (NONICOLAL Sub-base (NONICOLAL Sub-base)         2         7         0         0         0         7         7           Production (NONICOLAL Sub-base (NONICOLAL Sub-base (NONICOLAL Sub-base)         100CAL Sub-base (NONICOLAL Sub-base)         2         2         7         0         0         0         0         7         7           Production (NONICOLAL Sub-base (NONICOLAL Sub-base (NONICOLAL Sub-base)         4         26         30         0         10         0         12         0         12           Rechebote (NONICOLAL Sub-base (NONICOLAL Sub-bas		200		INDIAN	*	-							
Sub-base Non-Local         ROW LOCAL         2         6         8         0         0         3         5           Non-Local         8         Non-Local         8         0         0         0         0         5           Sub-base Indicator         Indicator         Non-Local         2         5         7         0         0         0         7           Freduction Indicator         Indicator         Non-Local         2         2         7         0         0         0         7           Asphalt Indicator         NON-Local         4         26         30         0         7         3         0         17           Asphalt Indicator         NON-Local         4         26         30         0         10         0         12           Asphalt Indicator         10 Coul         2         30         0         10         0         6         0           Asphalt Indicator         4         26         30         0         6         0         0         0           Asphalt Indicator         4         12         0         0         0         0         0         0         0           Asphalt Indica	+		-	IOIAL	77	-					-		
Sub-base (Norticold, Indiparal Replace)         Norticold, LOCAL         2         7         0         0         7           Sub-base (Norticold, Indiparal Replace)         2         5         7         0         0         0         7           Freduction (Norticold, Indiparal Replace)         2         22         27         0         7         3         0         77           Freduction (Norticold, Indiparal Replace)         27         22         27         0         7         3         0         77           Asphalt (Norticold, Indiparal Replace)         27         30         0         0         0         0         0         172           Asphalt (Norticold, Indiparal Replace)         2         30         0         0         0         0         0         0         35           Asphalt (Norticold, Indiparal Replace)         30         11         0         <	-		£	LOCAL	2	9	80	0	0	0	e	5	0
NOMLOCAL   100		83	Sub-base	NON LOCAL									
Sub-base				INDIAN	c								
Sub-base	1			TOTAL	xo								
Sub-base	-			LOCAL									
Freduction   NOM LOCAL   5   22   27   0   7   3   0   17		8101	Suh-hace	NON LOCAL	2	5	7	0	0	0	0	7	0
TOTAL   TOTA				INDIAN									
Froduction   NONLOCAL   5   22   27   0   7   3   0   17     Production   Information   10 Total   27   30   0   13   15     Production   Information   10 Total   27   30   0   10   13   10   12   12				TOTAL	7								
Production   NON LOCAL   5   22   27   0   7   3   0   17	1			LOCAL									
TOTAL   27	-	Madhumara	December	NON LOCAL	S	22	27	0	7	60	0	17	0
TOTAL   27   TOTAL   26   30   0   30   5   0   315		Yard	LIOGOCOOL	INDIAN									
Production   NONLOCAL   4   26   30   0   10   5   0   15   15   15   15				TOTAL	27								
Production   NOIN LOCAL   4   26   30   0   10   5   0   15   15	1			LOCAL									
TOTAL   30		Koshi	Production	NON LOCAL	4	26	30	0	10	S	0	15	0
LOCAL   LOCA		Yard+ DDC		TOTAL	30								
Asphalt NON LOCAL 2 10 12 0 0 0 0 12 0 12													
Asphalt   INDIAN   12   13   14   15   15   15   15   15   15   15				LOCAL NON LOCAL	2	10	12	0	0	0	0	12	0
TOTAL 12   12   13   14   15   15   15   15   15   15   15		R3	Asphalt	INDIAN									
Couter   LOCAL   2   9   11   0   0   6   0   5     NON LOCAL   11   11   0   0   6   0   5     NON LOCAL   11   12   16   0   6   0   4   6     NON LOCAL   2   4   6   0   0   0   0   6     Sewer miles   NON LOCAL   2   4   6   0   0   0   0   0   6     Sewer miles   NON LOCAL   2   4   6   0   0   0   0   0   0     TOTAL   15   15   15   15   15   15   15   1	1			TOTAL	12								
NON LOCAL   NON LOCAL   11	-			LOCAL	2	6	11	0	0	9	0	5	0
TOTAL   11   12   16   0   6   0   4   6   6   1   1   1   1   1   1   1   1		85	Gutter	NON LOCAL									
Kerbstone         NON LOCAL         4         12         16         0         6         0         4         6           TOTAL         16         0         6         0         4         6           LOCAL         2         4         6         0         0         0         6           Sewer inject         INDIAN         6         0         0         0         0         6         6				TOTAL	11								
Kerbstone         INDIAN         4         12         16         0         6         0         4         6           TOTAL         16         0         0         0         0         0         6         0         0         0         0         0         0         0         0         0         6         0	-												
Netrostone   INDIAN   16				NON LOCAL	4	12	16	0	9	0	4	9	0
COCAL 2 4 6 0 0 0 0 0 0 6   E		R4	Kerbstone	TOTAL	16								
LOCAL   2   4   6   0   0   0   6	1	1	SOLID INTERes.										
Sewer inlets NON LOCAL INDIAN TOTAL		The state of the s	(3)	LOCAL	2	4	9	0	0	0	0	9	0
TOTAL		13(5)	Sewer inlet	NON LOCAL									
		0000	1	TOTAL	9								



Month/Year: Dece, 2019		SI BRAHMIN/CHHETRI	0	0	0	0	0	0	0	SI BRAHMIN/CHHETRI 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mon	ETHNIC COMPOSITION	MADHESI	w	0	12	7	9	25	ω	IM MADHESI  IM (52 214 214 216 216 216 216 217	
	ETHNIC	MUSTIM	0	4	0	0	0	0	0	ETHNIC MUSLIM 8 8 25 4 4 4	
		DALIT	ú	N	6	0	0	0	0	DAUT 18 58 5 5	
		JANJATI	4	0	0	0	o	0	0	JANJATI 5 5 56 0 0	
Regional Urbail Development ruges (1905) Project implementation Unit (PIU) Biratnagar,Nepal LABOUR DATA	COMPOSITION	FEMALE	0	0	0	0	0	22	o	COMPOSITION  E FEMALE  0  8 25  0  25	
t Implementation U Biratnagar, Nepal	COM	MALE	14	6	15	7	9	E)	ω.	MALE 93 328 9 430	
Projec	LABOUR	UNSKILLED	12	7	11	S	Ą	22	9	LABOUR UNSKILLED 72 279 7 7 358	
	LAE	SKILLED	2 14	2 9	4 15	2 2	2 6	3 25	2 8	21 21 74 2 2 97	
	TYPES OF WORKERS		LOCAL NON LOCAL INDIAN TOTAL	LABOUR CLASS LOCAL NON LOCAL INDIAN TOTAL							
	TYPES OF WORK		Drain	Drain	House Connection	Weep Whole	Prime	Brooming	Road Paint		Shings and shinds
	LOCATION		R47(T3L10A)	T3L25A	R3	R83	R9	SS	N10		DOME BROTHER BANK
	ONO	2	22	19	20	27	22	50	ZI.		



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

S.N	Equipment Type and Characteristics	ZHONGHENG CONSTRUCTION GROUP
1	Excavator	1
2	Backhoe Loader	9
3	Asphalt plant of adequate capacity	1
4	Asphalt pavers	1
5	Vibrating roller	4
6	Pneumatic tyre roller 8 to 10 ton	2
7	Smooth wheeled roller 8 to 10 ton	2
8	Tipper	4
9	Crane	1
10	Water Tank	10
11	Grader	2
12	Bitumen distributor (4 to 6 Kilo litre)-	1
13	Water browser ( minimum 5000 Litres)	9
14	Chips spreader	0
15	Bitumen decanter minimum 4000 Litres.	2
16	Air compressor	2
17	Tipping Trucks	2
18	Service vehicle	4
19	Total station	1
20	Auto Level	30
21	Mobile Generator 15-20 Kva	18
22	Mixer Machine	5
23	Broomer	1
24	Plate Compactor	5
25	Water Pump	18
26	Motorbike	12
27	Tractor	25





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

Subproject Road : -RUDP/ICB/BRT/2

Month/Year: December. 2019

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

Contract Package: RUDP/ICB/BRT/2

		Co	mpliance Sta	tus	Implementing	Note of	
S.N	Key Social Issuse	Full	Partial	None	Agency	Remarks	Deadline
1	Availability of drinking water services	٧					
2	Availability of toilet facility in campsite	٧					
3	Legal source of fuel wood use			٧			
4	Legal document of fuel wood source			٧			
5	Use of safety accessories	٧					
6	Availability of first aid facility	٧					
7	Basic wage rate to construction workers	٧					
8	Equal wage rate to male and female workers		٧				
9	Compensation of temporarily occupied land	٧					
10	Compensation of temporarily occupied buildings	٧					
11	Legal document of temporarily occupied assets	٧					
12	Non use of child labour in construction activities	٧					



Verified by:

Monitored by:



## <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:December. 2019

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



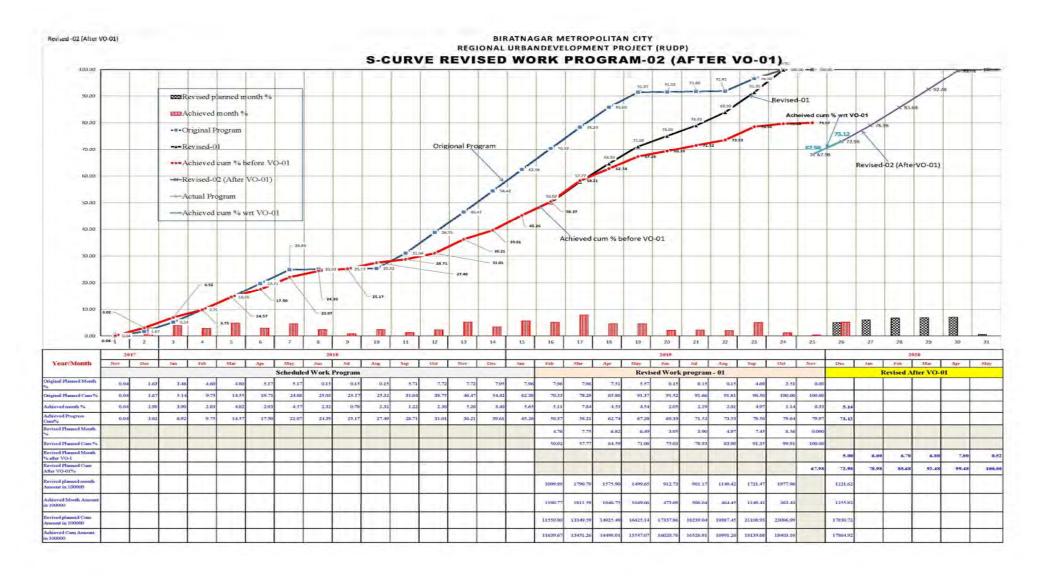
5.1 [ 5.2 ] 5.3 B	Air, Noise and Water Pollution  Dust emission and Noise pollution sites	Water sprinkled by tanker on such sites.	
5.3 B			
lo	Water quality monitoring result and ocations	ok	
fa	lock age of natural drainages ,water ogging, drain water discharge into armland/risky areas	Not Applicable	
6	Quarrying of construction materials and Plants Installment		
	and Plants Installment Quarry/borrow operation sites	Not Applicable	
0.1			
1.72	Crusher plant and Asphalt plant peration restoration	Asphalt Plant	
7	Impact/Disruption of Private properties	ALL A - Harble	
7.1 E	Building structures	Not Applicable	
7.2	Other utilities	Not Applicable	
8	Impact/disruption of public		
	infrastructures	Not Applicable	
	rrigation canal		
	Nater supply pipe	Not Applicable	
0.0	Access road	Not Applicable	
8.4	Electric/Telephone pole	Not Applicable	
8.5	Others	Not Applicable	
9	Sites for cultural and religious values		
9.1	Cultural and religious sensitive spots (if any)	Not Applicable	
10	Forest and vegetation		
10.1	Number of trees removal	00	
10.2	No of tree plantation (Roadside)	Not Applicable	
	The state of the s		
11	Accident cases and records Employment to local people	No any records	
12.1	Men and women	Yes, both men and women	
	Child labor (if any)	No	
	Establishment of Safeguard desk and meeting	Yes	
14	Grievances from local people and addressed	Yes	



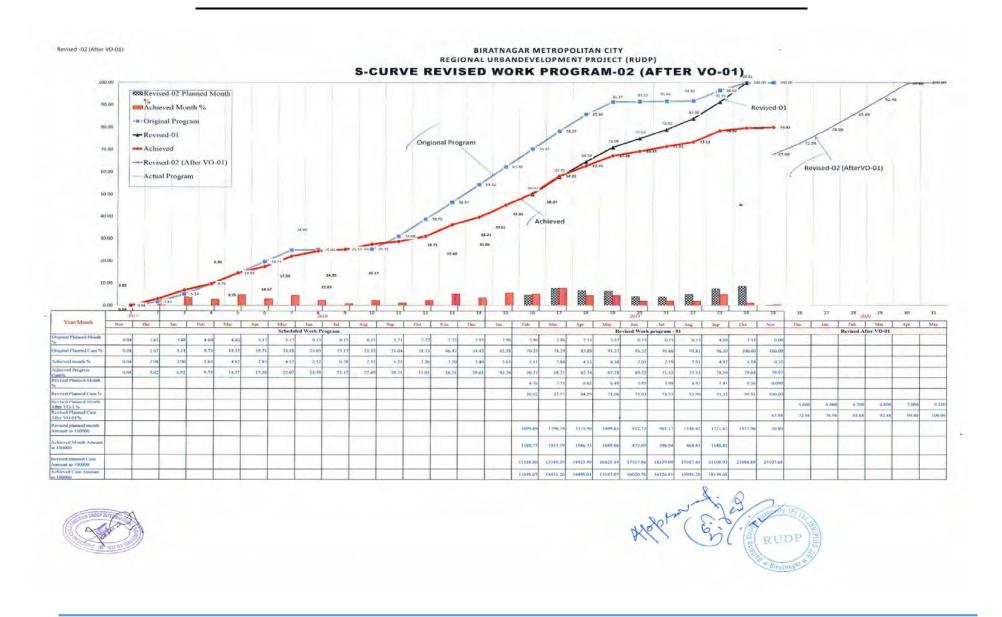
**ANNEX-5: S-Curve** 

**ATTACHED – December 2019** 











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





