



Building Design Authority (P) Ltd

in joint Venture with

B.N. Consultancy Pvt. Ltd and

PLUSH Engineering & architects (P) Ltd, Kathmandu.

Annual Progress Report

(Period cover: January 2020 – December 2020)

Regional Urban Development Project (RUDP)

Project Implementation Unit

Biratnagar, Nepal

ADB Loan No.: 47252-NEP



January 2021

Biratnagar Metropolitan City (BMC), Nepal

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EXECUTIVE SUMMARY

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

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



1. PROJECT DESCRIPTION

1.1. INTRODUCTION/BACKGROUND

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

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

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



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

General Features	
Name of Project	Regional Urban Development Project(RUDP)
Executing Agency	Government of Nepal,
	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
<u>The Consultant:</u>	
Consultant	Building Design Authority (P) LTD in Joint Venture With B.N. consultancy Pvt and PLUS Engineers and Architects (P) Ltd Kathmandu.
Date of Sign of Design and Supervision Consulting Service	28 th August 2017
Date of Commencement of Design and Supervision Consulting Service	6 th September 2017
Date of Completion	5th September 2020
Revised Date of Completion	till 14 th April 2022 including DNP & Final Discharge (Proposed)
<u>The Contractor:</u>	
Contractor	ZHONGHENG Construction Group International Engineering Co Ltd. Beijing, China.
Date of Agreement Made	10 th October 2017
Date of Commencement	2 nd November 2017
Date of Completion	1 st November 2019
Revised Date of Completion	till 11 th February 2021 (Proposed)
Contract Amount including PS and VAT	NRs. 2,611,092,249.63



General Features	
Contract Amount including PS and VAT (After arithmetic correction)	NRs. 2,611,088,390.60
Additional Financing 100% funded by BMC after VO-2 (provisional items)	NRs. 39,999,966.94
Revised Contract Amount including PS and VAT	NRs. 2, 988,389,581.81 (excluding Additional Financing 100% funded by BMC NRs. 39,999,966.94).
Progress	
Road Rehabilitation (Asphalt)	91.91%
Sewer Line	100%
Storm Drain	100%
Road Side Drain	99.80%
Integrated Solid Waste Management (ISWM) Design	Inception Report as well as Stakeholder's Analysis, Communication Strategy and Consultation Plan for Integrated Solid Waste Management (ISWM) has already been submitted. Due to Socio Environment Problem, Progress of Integrated Solid Waste Management (ISWM) design has been hindered.
Physical Progress up to date	Planned: 72.98%, Actual: 73.12% ; Lead (+) or Lag (-) by (-) 0.14% Lead till Dec 2019 (wrt Revised work Plan - 02 after VO-1). Using Unitary Method , (wrt Revised work Plan - 03 after VO-2: Calculated physical progress till end of Dec 2019): Planned : $[(72.98\% \times 2,760,853,674.59)/2,988,389,581.81] = 67.41\%$, Actual : $[(73.12\% \times 2,760,853,674.59)/2,988,389,581.81] = 67.55\%$; Lead (+) or Lag (-) by (-) 0.14% Lead.
	Planned : 100.00%, Actual : 91.73% ; Lead(+) or Lag(-) by (-) 8.27% Lag till Dec 2020
	Planned: 32.59%, Actual: 24.18% ; Lead (+) or Lag (-) by (-) 8.41% Lag during reporting period from Jan 2020 to Dec 2020 .
Financial Progress up to date excluding PA (on the basis of IPC forwarded for disbursement)	In Percentage: 70.83%, In Figure: NRs. 1,955,384,063.81 (including VAT and PS) wrt VO-01 i.e. up to Dec 2019 (IPC - 14). Using Unitary Method, (Calculated financial progress till end of Dec 2019 covering recommended amount up to IPC - 14 wrt VO-02): In Percentage: 70.83%, In Figure: NRs. 1,955,384,063.81 (including VAT and PS).



General Features	
	In Percentage: 87.74%, In Figure: NRs. 2,621,934,208.79 (including VAT and PS) i.e. up to Dec 2020 (IPC - 19).
	In Percentage: 16.91%, In Figure: NRs. 666,550,144.98 (including VAT and PS) during reporting period from Jan 2020 to Dec 2020.
	In Words: NRs. Six Hundred Sixty Six Millions Five Hundred Fifty Thousand One Hundred Forty Four and Ninety Eight Paisa Only.



2.1. SUMMARY OF PROGRESS STATUS OF ALL MAJOR COMPONENTS

S.No	Description	Unit	Approved Quantity	Progress till end of Dec 2019	Progress till end of Dec 2020	progress status during Jan 2020 to Dec 2020	Progress Status during Jan 2020 to Dec 2020 expressed in (%)	Progress Status expressed in (%) till date	Remaining	Remarks
1	Sewer Line									
a	HDPE/RCC	m	18,559.80	18,459.80	18,559.80	100.00	0.54%	100.00%	-	
b	Manhole	No.	606.00	604.00	606.00	2.00	0.33%	100.00%	-	
c	Sewer Inlet	No.	1,010.00	627.00	564.00	(63.00)	-6.24%	55.84%	446.00	
d	House Connection	No.	3,784.00	1,576.00	2,616.00	1,040.00	27.48%	69.13%	1,168.00	
2	Storm Water Drain									
a	RCC Drain	m	585.00	585.00	585.00	-	0.00%	100.00%	-	
b	Piles	No.	138.00	138.00	138.00	-	0.00%	100.00%	-	
3	Road									
a	Subgrade	m	74,573.60	53,226.93	71,758.73	18,531.80	24.85%	96.23%	2,814.87	
b	Sub base	m	74,573.60	53,226.93	70,568.73	17,341.80	23.25%	94.63%	4,004.87	
c	Base	m	74,573.60	48,987.98	69,498.93	20,510.95	27.50%	93.20%	5,074.67	



S.No	Description	Unit	Approved Quantity	Progress till end of Dec 2019	Progress till end of Dec 2020	progress status during Jan 2020 to Dec 2020	Progress Status during Jan 2020 to Dec 2020 expressed in (%)	Progress Status expressed in (%) till date	Remaining	Remarks
d	Prime	m	74,573.60	46,559.11	68,740.00	22,180.89	29.74%	92.18%	5,833.60	
e	Asphalt	m	74,573.60	46,559.11	68,537.93	21,978.82	29.47%	91.91%	6,035.67	
4	Road Side Drain	m	39,200.69	31,626.69	39,122.15	7,495.46	19.12%	99.80%	78.54	
5	Footpath / Interlocking	Sq.m.	49,481.82	19,028.85	24,721.60	5,692.75	11.50%	49.96%	24,760.22	



3. SUB PROJECT COMPONENTS

3.1. SEWER LINES

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

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



Table 1: PROPOSED ALL MAJOR COMPONENTS OF THE PROJECT

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



Table: - 2 PHYSICAL PROGRESS IN SEWER LINES till date

SN	Description	Approved Quantity		Progress till				Total during Jan 2020 to Dec 2020		Progress during Jan 2020 to Dec 2020 in (%)	Progress till date in (%)
				Dec 2019		Dec 2020					
		Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)	Length (m)	Manhole (Nos.)		
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	-	-	0.00%	100.00%
HDPE Pipe:											
1	HDPE (T1)	1,743.20	54.00	1,743.20	54.00	1,743.20	54.00	-	-		
2	HDPE (T2)	3,153.40	121.00	3,153.40	121.00	3,153.40	121.00	-	-		
3	HDPE (T3)	9,643.80	340.00	9,543.80	338.00	9,643.80	340.00	100.00	2.00		
4	HDPE (T4)	2,051.90	56.00	2,051.90	56.00	2,051.90	56.00	-	-		
Subtotal in (m)		16,592.30	571.00	16,492.30	569.00	16,592.30	571.00	100.00	2.00	0.60%	100.00%
Total		18,559.80	606.00	18,459.80	604.00	18,559.80	606.00	100.00	2.00	0.54%	100.00%



SN	Description	Unit	Approved Quantity	Progress till			Progress during Jan 2020 to Dec 2020 in (%)	Progress till date in (%)	Remarks
				Dec 2019	Dec 2020	Total during Jan 2020 to Dec 2020			
1	Sewer inlet (SI)	Nos	1,010.00	627.00	564.00	(63.00)	-6.24%	55.84%	Arithmetic error: HCC Quantity added to SI earlier
2	House connection Chamber (HCC)	Nos	3,784.00	1,576.00	2,616.00	1,040.00	27.48%	69.13%	



3.2. STORM WATER DRAIN

The storm water drain CN2 and CN3 has been provisioned in Regional Urban Development Project (RUDP). The Contractor has already completed the works and is in full function. The detail of the progress is shown in the table 3:

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

SN	Name of Drain	Unit	Approved Quantity	Progress				Remarks
				Progress till end of Dec 2019	Progress till end of Dec 2020	progress status during Jan 2020 to Dec 2020	Progress Status during Jan 2020 to Dec 2020 expressed in (%)	
1	CN2-CN3 (Chyangh Baari Nala)		585.00	585.00	585.00	-	0.00%	RCC, closed
2	CN2-CN3 (Chyangh Baari Nala)		138.00	138.00	138.00	-	0.00%	Piling works completed

3.3. ROADS AND LANES

Most of the roads/lanes in Biratnagar are in a poor state due to lack of periodic maintenance, and need improvement where as some of the roads are graveled and would benefit from upgrading. In the areas where drainage and sewerage works are proposed, there will be significant impact on the existing roads. The Project has considered on design based on reinstatement, rehabilitation and upgrading of existing roads length 74.57 km as per VO-02. Most of the roads of the project have been completed and some of them are in the process of being upgraded.

Out of 74.57 km. about 71.75 Km. has been attempted till date and among them 21.97 Km. of Asphalt work have been completed during the covering period of this report. The summary of physical progress of flexible pavement, rigid pavement and foot paths areas tabulated in Table 4, 4.1 & 4.2 below: -

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

SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020					Remarks
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Dec 2019	Dec 2020		m	m	m	m	m	
1	R42	Bhagwati Marg	229.00	229.00	-	-	-	-	-	-	
2	R5	College Road	650.00	594.00	(56.00)	(56.00)	49.50	49.50	-	-	
3	R5	Chulachuli Road	196.00	230.00	34.00	34.00	34.00	34.00	-	230.00	
4	R5		191.60	377.20	185.60	185.60	185.60	185.60	-	377.20	
5	B2	Gauri Shankar Marg	2,152.00	2,584.65	432.65	432.65	432.65	432.65	-	2,584.65	
6	R65	Satghumti Marg	320.00	320.00	-	-	(320.00)	-	-	-	
7	R107		215.00	167.00	(48.00)	(48.00)	(48.00)	(7.00)	-	-	
8	R107 a		50.00		(50.00)	(50.00)	(49.00)	(49.00)	-	-	
9	R104	VIP Marg	281.15	275.00	(6.15)	(6.15)	(6.15)	(6.15)	-	275.00	
10	R8	Madhumara Marg	553.05	920.00	366.95	366.95	366.95	366.95	-	600.00	
11	B1	Kanchan Marg	1,173.00	1,181.10	8.10	8.10	75.10	75.10	-	-	
12	R21	Pratibha Marg	1,367.10	1,490.10	123.00	123.00	123.00	123.00	-	-	
13	B3	Keshaliya Marg	1,627.75	1,623.20	(4.55)	(4.55)	(4.55)	(4.55)	-	1,623.20	
14	S13		1,687.30	1,724.20	36.90	36.90	36.90	36.90	-	-	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020					Remarks
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Dec 2019	Dec 2020		m	m	m	m	m	
15	R12		880.00	844.20	(35.80)	(35.80)	(35.80)	104.20	-	844.20	
16	R12	Kanchha Dai Marg	900.00	900.00	-	-	-	610.50	-	-	
17	Rani site	Rani	3,295.60	3,725.15	429.55	429.55	429.55	429.55	-	3,725.15	
18	R16	Satya Marg	604.00	583.90	(20.10)	(20.10)	(20.10)	29.00	-	583.90	
19	R26	Pasang Marg	598.00	602.30	4.30	4.30	4.30	4.30	-	602.30	
20	R28	Pustakalaya Marg	635.00	606.10	(28.90)	(28.90)	(15.10)	66.90	-	606.10	
21	R27	Peepal Marg	601.60	794.70	193.10	193.10	193.10	193.10	-	-	
22	R25	Devi Marg	580.00	592.30	12.30	12.30	12.30	25.50	-	592.30	
23	R24	Prabhat Marg	518.15	382.90	(135.25)	(135.25)	(135.25)	(135.25)	-	382.90	
24	R37	Banglamukhi Marg	477.00	470.50	(6.50)	(6.50)	(6.50)	(6.50)	-	470.50	
25	R7	Manakamana Marg	542.00	152.57	(389.43)	(389.43)	(389.43)	(389.43)	-	152.57	
26	R7	in between R18 to R27	400.00	267.00	(133.00)	(133.00)	(133.00)	(133.00)	-	267.00	
27	R30	Shanti Marg	229.50	348.60	119.10	119.10	119.10	119.10	-	348.60	
28	R9	Fadindra Marg	119.00	119.00	-	-	-	-	-	-	
29	R9		230.00	254.60	24.60	24.60	24.60	114.60	-	-	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020					Remarks
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Dec 2019	Dec 2020		m	m	m	m	m	
30	S11	Samrat Marg	660.00	502.60	(157.40)	(157.40)	(2.00)	(2.00)	-	-	
31	R22	Amar Marga	367.65	373.50	5.85	5.85	5.85	5.85	-	373.50	
32	R29	Shanti Marg	838.70	879.60	40.90	40.90	40.90	40.90	-	-	
33	R36	Gaurav Marg	222.00	221.10	(0.90)	(0.90)	(0.90)	(0.90)	-	-	
34	R33	Tarun Marg	283.00	282.50	(0.50)	(0.50)	(0.50)	(0.50)	-	-	
35	R64	Satya Narayan Marg	121.00	123.00	2.00	2.00	2.00	123.00	-	-	
36	R8		225.00	226.90	1.90	1.90	1.90	1.90	-	-	
37	N36		190.00	184.00	(6.00)	(6.00)	(2.95)	(2.95)	-	184.00	
38	R188	Shakti Marg	116.00	115.10	(0.90)	(0.90)	(0.90)	(0.90)	-	115.10	
39	R2	Main Road	2,800.00	3,116.10	316.10	316.10	511.40	511.40	-	4,000.00	
40	T3 Line 6A	Pandit Meghnath Marg	279.00	279.30	0.30	0.30	0.30	0.30	-	279.30	
41	T2 Line 24C	Nava Jyoti Marg	205.00	217.20	12.20	12.20	217.20	217.20	-	217.20	
42	T2 Line 24D	Nava Jyoti Marg	210.00		(210.00)	(210.00)	-	-	-	-	
43	R63 (DSP Road)	DSP Road	424.24	424.00	(0.24)	(0.24)	(0.24)	(0.24)	-	424.00	
44	R90	Shakti Marg	450.00	449.30	(0.70)	(0.70)	(0.70)	(0.70)	-	-	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020					Remarks
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Dec 2019	Dec 2020		m	m	m	m	m	
45	R77	Arniko Marg	87.20	87.70	0.50	0.50	0.50	0.50	-	87.70	
46	R76	Mitra Marg	270.00	275.60	5.60	5.60	5.60	5.60	-	-	
47	R183	Nava Jyoti Marg	240.00		(240.00)	(240.00)	(220.00)	(220.00)	-	-	
48	T1 L16B	Xenial Front	210.00	203.70	(6.30)	(6.30)	(1.30)	(1.30)	-	203.70	
49	T1L16A	Xenial South	180.00	165.70	(14.30)	(14.30)	(14.30)	(14.30)	-	165.70	
50	R114	Dharanidhar Marg	560.00	569.00	9.00	9.00	9.00	9.00	-	-	
51	R113	Kavi Lekh Marg	740.00	746.20	6.20	6.20	6.20	6.20	-	746.20	
52	R5a		54.70		(54.70)	(54.70)	(54.70)	(54.70)	-	-	
53	R3	Dharamban Marg	2,383.00	2,254.10	(128.90)	(128.90)	(128.90)	103.80	-	-	
54	R3 - under STIUEIP	Tinpaini to Puspallal chowk	-		-	-	-	-	-	-	
55	R78	Sombare -Highway	92.00		(92.00)	(92.00)	(92.00)	(92.00)	-	-	
56	R84	West of school	473.20	237.00	(236.20)	(236.20)	1.00	1.00	-	237.00	
57	R84		93.60	248.90	155.30	155.30	155.30	155.30	-	248.90	
58	R85	Machha Line	160.00	153.80	(6.20)	(6.20)	(6.20)	(6.20)	-	153.80	
59	R87	Mahabir Chowk	154.00	234.20	80.20	80.20	80.20	80.20	-	234.20	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020					Remarks
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Dec 2019	Dec 2020		m	m	m	m	m	
60	R86	Petrol pump side - R12	200.00	191.50	(8.50)	(8.50)	0.50	0.50	-	191.50	
61	R11	R18/R86	281.00	204.10	(76.90)	(76.90)	(0.90)	(0.90)	-	-	
62	N3	Jatuwa	122.00	122.00	-	-	-	-	-	122.00	
63	N4	Jatuwa	168.00	168.80	0.80	0.80	0.80	0.80	-	168.80	
64	R10	Ram Marga	292.00	670.80	378.80	378.80	378.80	378.80	-	-	
65	R10	R35 to R21	393.00		(393.00)	(393.00)	(393.00)	(393.00)	-	-	
66	T2L26F	APF	55.00	55.00	-	-	55.00	55.00	-	-	
67	T2L27		80.00	75.00	(5.00)	(5.00)	(5.00)	(5.00)	-	-	
68	R122		265.55	251.00	(14.55)	(14.55)	(14.55)	(14.55)	-	-	
69	N9		220.42	222.60	2.18	2.18	2.18	2.18	-	-	
70	R17		373.00	374.00	1.00	1.00	1.00	1.00	-	-	
71	R18		387.00	387.30	0.30	0.30	0.30	0.30	-	-	
72	N2		105.84	117.00	11.16	11.16	11.16	117.00	-	-	
73	T3L6	Moti marga	170.00	158.30	(11.70)	(11.70)	(11.70)	(11.70)	-	158.30	
74	T3L6	Elite club - CDO Office	107.00		(107.00)	(107.00)	-	-	-	-	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020					Remarks
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Dec 2019	Dec 2020		m	m	m	m	m	
75	T3L6	Balmandir - Ganesh Mandir	380.00		(380.00)	(380.00)	-	-	-	-	
76	T3L6	CDO Office front	49.40	49.40	-	-	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	510.70	5.70	5.70	195.70	195.70	-	510.70	
80	T3L21		400.00	547.00	147.00	147.00	147.00	147.00	-	-	
81	N5	R16 to R18	71.00	67.20	(3.80)	(3.80)	(3.80)	(3.80)	-	-	
82	T3L39		400.00	340.00	(60.00)	(60.00)	94.20	94.20	-	-	
83	T3L39A		89.00	138.00	49.00	49.00	49.00	49.00	-	-	
84	T3L39B		60.00	60.00	-	-	-	-	-	-	
85	T3L39C		100.00		(100.00)	(100.00)	-	-	-	-	
86	R68 - T2L24G		220.00	218.00	(2.00)	(2.00)	(2.00)	-	-	-	
87	N10		194.00	194.00	-	-	-	-	-	-	
88	T3L24C		170.00	200.00	30.00	30.00	200.00	200.00	-	-	
89	T3L9		278.00		(278.00)	(278.00)	-	-	-	-	
90	R6		1,228.20	1,832.80	604.60	604.60	604.60	604.60	-	-	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020				Remarks	
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC		Paint
			Dec 2019	Dec 2020		m	m	m	m		m
91	N24		116.00	144.00	28.00	28.00	28.00	28.00	-	-	
92	R31		188.70	189.20	0.50	0.50	0.50	0.50	-	-	
93	N27	Bindabasini Marga	352.28	354.00	1.72	1.72	1.72	1.20	-	-	
94	Bhatti mode to Hartalihaat		166.50		(166.50)	(166.50)	(166.50)	(166.50)	-	-	
95	R73		217.00	217.00	-	-	-	-	-	-	
96	R6 (R41-R44)	Bata Galli	269.00	269.00	-	-	-	-	-	269.00	
97	R6		1,322.00		(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	
100	R44	Thakurbadi Road	482.50	727.10	244.60	244.60	244.60	369.60	-	727.10	
101	R102	Main	140.00	140.00	-	-	-	-	-	140.00	
102	R102	Branch	71.30	71.30	-	-	-	-	-	-	
103	R103		170.40	171.30	0.90	0.90	0.90	0.90	-	-	
104	R32		188.00	189.20	1.20	1.20	1.20	1.20	-	-	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020					Remarks
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Dec 2019	Dec 2020		m	m	m	m	m	
105	T2L18Y		116.20	116.20	-	-	-	-	-	-	
106	R20		108.00	108.00	-	-	-	-	-	-	
107	R82	Everest School	530.00	522.80	(7.20)	(7.20)	(7.20)	(7.20)	-	522.80	
108	T1L5		140.00		(140.00)	(140.00)	(140.00)	(140.00)	-	-	
109	T1L5A		533.50	171.90	(361.60)	(361.60)	(361.60)	(361.60)	-	171.90	
110	T3L23C	Jay Nepal	272.20	87.00	(185.20)	(185.20)	21.80	21.80	-	87.00	
111	T3L23C	North to Jay Nepal	82.90		(82.90)	(82.90)	(82.90)	(82.90)	-	-	
112	T3L25B		195.00	285.00	90.00	90.00	285.00	285.00	-	-	
113	T3L25C		140.00	140.00	-	-	140.00	140.00	-	-	
114	R3	T3 Trunk	465.00	680.00	215.00	215.00	310.00	680.00	-	-	
115	Nagmandir to R3		55.00	55.00	-	-	-	-	-	55.00	
116	R4		220.00	960.00	740.00	740.00	960.00	960.00	-	-	
117	R75		143.50	137.00	(6.50)	(6.50)	(6.50)	(6.50)	-	-	
118	R43		329.40	329.40	-	-	-	-	-	329.40	
119	T219P		124.80	124.80	-	-	-	-	-	124.80	
120	T219Q		113.70	113.70	-	-	-	-	-	113.70	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020					Remarks
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Dec 2019	Dec 2020		m	m	m	m	m	
121	R106		130.00	195.00	65.00	65.00	74.10	195.00	-	-	
122	T3L12		80.00	80.00	-	-	29.10	29.10	-	-	
123	R46		340.00	610.00	270.00	270.00	610.00	610.00	-	610.00	
124	T3L11E		124.55	124.55	-	-	-	-	-	124.55	
125	T3L13D		70.00	70.00	-	-	70.00	70.00	-	70.00	
126	T3L13C		100.00	102.00	2.00	2.00	2.00	2.00	-	102.00	
127	R34		157.00	157.40	0.40	0.40	0.40	0.40	-	-	
128	T3L13E		80.00	64.00	(16.00)	(16.00)	(1.00)	(1.00)	-	64.00	
129	T3L13K		154.00	76.00	(78.00)	(78.00)	0.10	0.10	-	76.00	
130	R19		247.00	228.00	(19.00)	(19.00)	-	-	-	228.00	
131	R41		540.00	540.00	-	-	-	-	-	540.00	
132	R9B		90.00	83.85	(6.15)	(6.15)	(6.15)	-	-	83.85	
133	R67		119.40	119.40	-	-	-	-	-	-	
134	R74		100.00	95.00	(5.00)	(5.00)	(5.00)	(5.00)	-	-	
135	R9A		109.00	109.00	-	-	-	-	-	-	
136	T2L19F		120.00	120.00	-	-	-	-	-	-	
137	T3L7A		190.00	190.00	-	-	-	-	-	-	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020					Remarks
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Dec 2019	Dec 2020		m	m	m	m	m	
138	T3L13F			75.00	75.00	75.00	75.00	75.00	-	-	
139	T3L11M			85.00	85.00	85.00	85.00	85.00	-	85.00	
140	T3L33A (N7)			135.00	135.00	135.00	135.00	135.00	-	-	
141	R35			142.50	142.50	142.50	142.50	142.50	-	-	
142	R83			130.00	130.00	130.00	130.00	130.00	-	-	
143	R105			174.00	174.00	174.00	174.00	174.00	-	-	
144	R15			194.00	194.00	194.00	194.00	194.00	-	-	
145	R181A			196.00	196.00	196.00	196.00	196.00	-	-	
146	N38			358.00	358.00	358.00	358.00	358.00	-	-	
147	T2L26E			107.00	107.00	107.00	107.00	107.00	-	-	
148	T2L19G			63.00	63.00	63.00	63.00	63.00	-	-	
149	T3L19H			84.00	84.00	84.00	84.00	84.00	-	-	
150	T2L19V			90.00	90.00	90.00	90.00	90.00	-	-	
151	T2L19Y			110.00	110.00	110.00	110.00	110.00	-	-	
152	T2L19Z			64.00	64.00	64.00	64.00	64.00	-	-	
153	R110			255.00	255.00	255.00	255.00	255.00	-	-	
154	T2L18A			97.00	97.00	97.00	97.00	97.00	-	-	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020					Remarks
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Dec 2019	Dec 2020		m	m	m	m	m	
155	R7			746.80	746.80	746.80	746.80	746.80	-	746.80	
156	R7			155.00	155.00	155.00	155.00	155.00	-	155.00	
157	T3 Line18A			79.32	79.32	79.32	79.32	79.32	-	79.32	
158	T3L21A			123.40	123.40	123.40	123.40	123.40	-	123.40	
159	T3L18C			103.00	103.00	103.00	103.00	103.00	-	-	
160	R39			180.00	180.00	180.00	180.00	180.00	-	-	
161	R40			330.60	330.60	330.60	330.60	330.60	-	-	
162	R101			270.00	270.00	270.00	270.00	270.00	-	270.00	
163	T3Line5			285.00	285.00	285.00	285.00	285.00	-	285.00	
164	R7(R21 to R18)			68.00	68.00	68.00	68.00	68.00	-	68.00	
165	R7(R25 to R27			155.00	155.00	155.00	155.00	155.00	-	155.00	
166	R9(R37 to R30)			219.60	219.60	219.60	219.60	219.60	-	219.60	
167	N8			166.90	166.90	166.90	166.90	166.90	-	166.90	
168	R7			983.00	983.00	983.00	983.00	983.00	-	843.00	
169	R5			110.00	110.00	110.00	110.00	110.00	-	-	
170	T2Line11N			65.00	65.00	65.00	65.00	65.00	-	-	
171	R6			185.00	185.00	185.00	185.00	185.00	-	-	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020				Remarks	
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC		Paint
			Dec 2019	Dec 2020		m	m	m	m		m
172	R100 (T2Line 22B)			150.00	150.00	150.00	150.00	150.00	-	-	
173	T3 Trunk Line			340.00	340.00	340.00	340.00	340.00	-	-	
174	T3Line25A			302.00	302.00	302.00	302.00	302.00	-	-	
175	T3 Line23C			90.00	90.00	90.00	90.00	90.00	-	90.00	
176	R10			180.00	180.00	-	-	-	-	-	
177	T2 Line18K			76.00	76.00	76.00	76.00	76.00	-	-	
178	R47			322.00	322.00	322.00	322.00	322.00	-	-	
179	T3 Line22 (Devkota chowk to NRB)			190.00	190.00	190.00	190.00	190.00	-	190.00	
180	R26			324.00	324.00	324.00	324.00	324.00	-	324.00	
181	R27			186.00	186.00	186.00	186.00	186.00	-	186.00	
182	N33			194.50	194.50	194.50	194.50	194.50	-	-	
183	T3Line10C			150.00	150.00	150.00	150.00	150.00	-	-	
184	N23			75.00	75.00	75.00	75.00	75.00	-	-	
185	R10			181.00	181.00	181.00	181.00	181.00	-	-	
186	R15			340.00	340.00	340.00	340.00	340.00	-	-	
187	T3 Trunk			231.70	231.70	231.70	231.70	231.70	-	-	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020				Remarks
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC	
			Dec 2019	Dec 2020		m	m	m	m	
188	R16			218.10	218.10	218.10	218.10	218.10	-	-
189	T3Line10			184.20	184.20	184.20	184.20	184.20	-	-
190	T2Line19B			148.00	148.00	148.00	148.00	148.00	-	-
191	T3Line13C			229.30	229.30	229.30	229.30	229.30	-	-
192	T2Line22A			382.00	382.00	382.00	382.00	382.00	-	-
193	T2Line19W			58.80	58.80	58.80	58.80	58.80	-	-
194	R6			180.00	180.00	180.00	180.00	180.00	-	-
195	R11			317.00	317.00	317.00	317.00	317.00	-	-
196	R17			230.00	230.00	230.00	230.00	230.00	-	-
197	R23			227.00	227.00	227.00	227.00	227.00	-	-
198	R13			226.00	226.00	226.00	226.00	226.00	-	-
199	T2Line18D(N19)			80.00	80.00	80.00	80.00	80.00	-	-
200	T2Line19K			205.00	205.00	205.00	205.00	205.00	-	-
201	T1Line7A			75.00	75.00	75.00	75.00	75.00	-	-
202	T1Line7B			86.00	86.00	86.00	86.00	86.00	-	-
203	T1Line7C			70.00	70.00	70.00	70.00	70.00	-	-
204	T1Line 8C			76.00	76.00	76.00	76.00	76.00	-	-



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020					Remarks
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Dec 2019	Dec 2020		m	m	m	m	m	
205	T1Line8B			300.00	300.00	155.00	155.00	155.00	-	-	
206	R70			216.00	216.00	216.00	216.00	70.00	-	-	
207	R4			1,200.00	1,200.00	1,200.00	1,200.00	1,150.00	-	-	
208	R83			370.00	370.00	370.00	370.00	370.00	-	-	
209	R5(Satghumti to Mahabir)			200.00	200.00	200.00	200.00	200.00	-	-	
210	R71			105.00	105.00	105.00	105.00	105.00	-	-	
211	T1Line 17			85.00	85.00	85.00	85.00	-	-	-	
212	T1Line16			215.00	215.00	215.00	215.00	215.00	-	-	
213	T3Line7			120.00	120.00	120.00	120.00	120.00	-	-	
214	T3Line26E			250.00	250.00	250.00	250.00	250.00	-	-	
215	T3Line26H			55.00	55.00	55.00	55.00	-	-	-	
216	R7(R28-R29)			200.00	200.00	200.00	-	-	-	-	
217	R4 Branch			200.00	200.00	200.00	200.00	200.00	-	-	
218	N34			175.24	175.24	175.24	175.24	175.24	-	-	
219	R6			460.00	460.00	460.00	460.00	460.00	-	-	
220	R111			160.00	160.00	160.00	-	-	-	-	
221	R111(A)			65.00	65.00	65.00	65.00	-	-	-	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020					Remarks
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Dec 2019	Dec 2020		m	m	m	m	m	
222	R112			140.00	140.00	-	-	-	-	-	
223	T3L-26			130.00	130.00	-	-	-	-	-	
224	Mahendra to R12 (T1Line 13)			230.00	230.00	230.00	-	-	-	-	
225	T3Line24B			230.00	230.00	230.00	230.00	-	-	-	
226	N1			105.00	105.00	-	-	-	-	-	
227	R121			125.00	125.00	125.00	-	-	-	-	
228	T3 Line 11F (Gyan Marga)			70.00	70.00	-	-	-	-	-	
229	B2 Branch			80.00	80.00	80.00	80.00	-	-	-	
230	N40 (Near R29)			135.00	135.00	-	-	-	-	-	
231	N39			95.00	95.00	-	-	-	-	-	
232	T2Line 19o(Prativa chowk)			60.00	60.00	-	-	-	-	-	
233	N15			50.00	50.00	-	-	-	-	-	
234	N35			80.00	80.00	-	-	-	-	-	
235	Ghogha Paini			650.00	650.00	650.00	650.00	400.00	-	-	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020					Remarks
			Progress till	Progress till	Total during Jan 2020 to Dec 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Dec 2019	Dec 2020		m	m	m	m	m	
236	R3 -(T3 Family planning to DUDBC)			337.00	337.00	337.00	337.00	337.00	-	-	
237	N3	Janani Marga		280.00	280.00	280.00	280.00	280.00	-	280.00	
238		Milan Marga		130.00	130.00	130.00	130.00	130.00	-	-	
	Total		53,226.93	71,758.73	18,531.80	17,341.80	20,510.95	21,978.82	-	31,679.09	



3.4. FOOTPATH:**Table No:-4.1Footpath (Work Progress till date)**

SN	Road Number	Type*	Progress till the end of Dec 2019		Progress till the end of Dec 2020		Progress during Jan 2020 to Dec 2020		Remarks
			Length (m)	Quantity (m ²)	Length (m)	Quantity (m ²)	Length (m)	Quantity (m ²)	
1	R2	Precast block	602.00	662.20	902.00	879.45	300.00	217.25	RHS
2	R2	Precast block	602.00	662.20	602.00	662.20	-	-	LHS
3	R29	Precast block	330.00	297.00	330.00	297.00	-	-	RHS
4	R29	Precast block	330.00	297.00	330.00	297.00	-	-	LHS
5	R28	Precast block	322.00	289.80	322.00	289.80	-	-	RHS
6	R28	Precast block	335.00	301.50	335.00	301.50	-	-	LHS
7	R28	Precast block	341.00	306.90	341.00	306.90	-	-	RHS
8	R21	Precast block	365.00	365.00	365.00	365.00	-	-	RHS
9	R21	Precast block	765.00	765.00	765.00	765.00	-	-	LHS
10	R78	Precast block	75.00	90.00	75.00	90.00	-	-	RHS
11	R78	Precast block	75.00	90.00	75.00	90.00	-	-	LHS
12	R77	Precast block	115.00	103.50	115.00	103.50	-	-	RHS
13	R77	Precast block	115.00	103.50	115.00	103.50	-	-	LHS
14	R76	Precast block	275.00	261.25	275.00	261.25	-	-	RHS
15	R76	Precast block	275.00	261.25	275.00	261.25	-	-	LHS
16	R75	Precast block	160.00	152.00	160.00	152.00	-	-	RHS
17	R75	Precast block	160.00	152.00	160.00	152.00	-	-	LHS



SN	Road Number	Type*	Progress till the end of Dec 2019		Progress till the end of Dec 2020		Progress during Jan 2020 to Dec 2020		Remarks
			Length (m)	Quantity (m ²)	Length (m)	Quantity (m ²)	Length (m)	Quantity (m ²)	
18	R10	Precast block	700.00	665.00	700.00	665.00	-	-	RHS
19	R10	Precast block	700.00	665.00	700.00	665.00	-	-	LHS
20	R31	Precast block	175.00	166.25	175.00	166.25	-	-	RHS
21	R31	Precast block	175.00	166.25	175.00	166.25	-	-	LHS
22	R32	Precast block	185.00	55.50	185.00	55.50	-	-	RHS
23	R32	Precast block	185.00	55.50	185.00	55.50	-	-	LHS
24	R33	Precast block	285.00	256.50	285.00	256.50	-	-	RHS
25	R33	Precast block	170.00	153.00	170.00	153.00	-	-	LHS
26	R16	Precast block	170.00	204.00	170.00	204.00	-	-	RHS
27	R16	Precast block	170.00	204.00	170.00	204.00	-	-	LHS
28	R6	Precast block	700.00	840.00	700.00	840.00	-	-	RHS
29	R6	Precast block	700.00	840.00	700.00	840.00	-	-	LHS
30	B1	Precast block	490.00	588.00	490.00	588.00	-	-	RHS
31	B1	Precast block	490.00	1,666.00	490.00	1,666.00	-	-	LHS
32	B2 (2)	Precast block	715.00	421.85	715.00	421.85	-	-	RHS
33	B2 (2)	Precast block	715.00	1,179.75	715.00	1,179.75	-	-	LHS
34	B2 (1)	Precast block	131.00	340.60	131.00	340.60	-	-	RHS
35	B2 (1)	Precast block	131.00	117.90	131.00	117.90	-	-	LHS



SN	Road Number	Type*	Progress till the end of Dec 2019		Progress till the end of Dec 2020		Progress during Jan 2020 to Dec 2020		Remarks
			Length (m)	Quantity (m ²)	Length (m)	Quantity (m ²)	Length (m)	Quantity (m ²)	
36	B3	Precast block	670.00	469.00	1,160.00	2,697.00	490.00	2,228.00	RHS
37	B3	Precast block	670.00	469.00	670.00	469.00	-	-	LHS
38	S11	Precast block	112.00	106.40	112.00	106.40	-	-	RHS
39	S11	Precast block	75.00	90.75	75.00	90.75	-	-	LHS
40	Rani	Precast block	425.00	425.00	425.00	425.00	-	-	RHS
41	Rani	Precast block	425.00	425.00	425.00	425.00	-	-	LHS
42	R3	Precast block	250.00	275.00	310.00	341.00	60.00	66.00	RHS
43	R3	Precast block	1,050.00	1,155.00	1,050.00	1,155.00	-	-	LHS
44	R27	Precast block	400.00	440.00	400.00	440.00	-	-	RHS
45	R27	Precast block	400.00	340.00	400.00	340.00	-	-	LHS
46	R26	Precast block	300.00	369.00	300.00	369.00	-	-	RHS
47	R26	Precast block	285.00	313.50	285.00	313.50	-	-	LHS
48	R25	Precast block	205.00	205.00	205.00	205.00	-	-	RHS
49	R25	Precast block	201.00	201.00	201.00	201.00	-	-	LHS
50	R7	Precast block			300.00	300.00	300.00	300.00	LHS
51	R2	Precast block			600.00	510.00	600.00	510.00	LHS
52	R2	Precast block			600.00	510.00	600.00	510.00	RHS
53	T3 Trunk Line	Precast block			650.00	552.50	650.00	552.50	LHS
54	T3 Trunk Line	Precast block			600.00	510.00	600.00	510.00	RHS
55	T3 Line6A	Precast block			150.00	127.50	150.00	127.50	LHS
56	T3 Line6A	Precast block			150.00	127.50	150.00	127.50	RHS



SN	Road Number	Type*	Progress till the end of Dec 2019		Progress till the end of Dec 2020		Progress during Jan 2020 to Dec 2020		Remarks
			Length (m)	Quantity (m ²)	Length (m)	Quantity (m ²)	Length (m)	Quantity (m ²)	
57	R7	Precast block			320.00	272.00	320.00	272.00	LHS
58	R7	Precast block			320.00	272.00	320.00	272.00	RHS
		Total =	17,697.00	19,028.85	22,237.00	24,721.60	4,540.00	5,692.75	



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

SN	Description	Unit	Approved Quantity	Length in (m)			Progress during Jan 2020 to Dec 2020 in (%)	Progress till date in (%)
				Progress till		Total during Jan 2020 to Dec 2020		
				Dec 2019	Dec 2020			
1	Subgrade	m	74,573.60	53,226.93	71,758.73	18,531.80	25%	96.23%
2	Sub Base	m	74,573.60	53,226.93	70,568.73	17,341.80	23%	94.63%
3	Base	m	74,573.60	48,987.98	69,498.93	20,510.95	28%	93.20%
4	Prime/Tack	m	74,573.60	46,559.11	68,740.00	22,180.89	30%	92.18%
5	Asphalt	m	74,573.60	46,559.11	68,537.93	21,978.82	29%	91.91%
6	Paint	m	74,573.60	18,395.30	50,074.39	31,679.09	42%	67.15%

3.5. ROAD SIDE DRAIN

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

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

SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020		Remarks
			Progress till		Total progress during Jan 2020 to Dec 2020	Brick	RCC	
			Dec 2019	Dec 2020		m	m	
1	B1	Kanchan Marg	90.00	45.00	(45.00)	(45.00)	-	
2	R29	Shanti Marg	256.52	256.52	-	-	-	
3	N36		185.88	185.88	0.00	0.00	-	
4	R8		219.83	219.83	0.01	0.01	-	
5	R7	Devi Marg and Pipal Marg	149.58	89.76	(59.82)	(59.82)	-	
6	R63	DSP Road	418.79	418.79	-	-	-	
7	R9	Baglamukhi path	103.20	103.20	-	-	-	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020		Remarks
			Progress till		Total progress during Jan 2020 to Dec 2020	Brick	RCC	
			Dec 2019	Dec 2020		m	m	
8	S13	Udaya Marga	158.10	79.05	(79.05)	(79.05)	-	
9	N33		70.00	60.00	(10.00)	(10.00)	-	
10	R28	Pustakalaya Marg	278.00	139.00	(139.00)	(139.00)	-	
11	R90	Shakti Marg	313.25	377.30	64.05	64.05	-	
12	R114	Dharanidhar Marg	312.33	312.33	-	-	-	
13	R11	Om Shiv Marg	225.17	204.25	(20.92)	(20.92)	-	
14	R18		381.50	389.50	8.00	8.00	-	
15	R17		75.00	372.00	297.00	297.00	-	
16	R113	Kavi Lekhnath Marg	72.45	157.15	84.70	84.70	-	
17	R77	Arniko Marg	80.00	80.00	-	-	-	
18	R76	Mitra Marg	270.00	270.00	-	-	-	
19	N9	Devi Marga	22.70	222.58	199.88	199.88	-	
20	N4		146.38	162.20	15.83	15.83	-	
21	R33	Tarun Marg	264.48	283.15	18.67	18.67	-	
22	R36	Gaurav Marg	216.45	221.80	5.35	5.35	-	
23	R86	Janpath Marg	187.55	192.15	4.60	4.60	-	
24	R183	Nava Jyoti Marg	211.05	219.40	8.35	8.35	-	
25	R7a		65.00	67.35	2.35	2.35	-	
26	Rani site	Rani B	530.00	365.33	(164.67)	(164.67)	-	
27	Rani site	Rani A	270.00	271.50	1.50	1.50	-	
28	N3		110.00	126.25	16.25	16.25	-	
29	N5		65.00	65.00	-	-	-	
30	R21	Binayak Marga	388.25	194.13	(194.12)	(194.12)	-	
31	R2	Main Road	2,182.50	2,793.50	611.00	611.00	-	



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020		Remarks
			Progress till		Total progress during Jan 2020 to Dec 2020	Brick	RCC	
			Dec 2019	Dec 2020		m	m	
32	T1L16B	Xenial Front	205.68	205.68	0.00	0.00	-	
33	T1L16A	Xenial South	150.20	160.74	10.55	10.55	-	
34	R75	Tintoliya Marga	127.50	143.00	15.50	15.50	-	
35	R122	Amar Marga	250.48	256.00	5.53	5.53	-	
36	R18 Branch		30.00	30.00	-	-	-	
37	R7(b)	Siddhartha Marga (Neuro to sidhartha chowk)	330.00	365.00	35.00	35.00	-	
38	R12	Sukra Path	290.00	846.50	556.50	556.50	-	
39	R42	Jahada Marga	171.00	85.50	(85.50)	(85.50)	-	
40	R6	Shahi Marg	760.00	970.00	210.00	-	760.00	
41	R21(a)	DharamBadh Junction	80.00	95.00	15.00	15.00		
42	R78	Binayak Marga	70.00		(70.00)	(70.00)		
43	R188	Shakti Marg	115.60	115.60	-	-		
44	R40	Brahma Kumari Marga	350.00	328.20	(21.80)	(21.80)		
45	Rani Site C		97.50	97.50	-	-		
46	Ranit Site D		131.45	131.45	-	-		
47	T3L21	Moti Marga	385.95	527.00	141.05	141.05		
48	T3L39	Gaheli Marga	340.00	340.00	-	-		
49	T3 Line 39A		90.00	139.00	49.00	49.00		
50	T3 L39B		90.00	58.50	(31.50)	(31.50)		
51	T2L27	Bhumi Prashasan Junction	79.50	79.50	-	-		
52	T4 Line 1	Sailesh Marg	100.00		(100.00)	(100.00)		
53	N2		95.00	103.20	8.20	8.20		
54	T2 Line 26E	College Road	90.00	90.00	-	-		
55	T2 Line 18C	Maisthan Marga	102.00	102.00	-	-		



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020		Remarks
			Progress till		Total progress during Jan 2020 to Dec 2020	Brick	RCC	
			Dec 2019	Dec 2020		m	m	
56	T2Line 18A	Makalu Marga	60.00	90.00	30.00	30.00		
57	R6 (T3L11i)		247.50	265.00	17.50	17.50		
58	R9 (T3L11k)	Tathasthu Marga	180.00	180.00	-	-		
59	R45 (T3Line10D)	Dadhiram Marga	260.00	298.00	38.00	38.00		
60	R9, T2 L19	Fanindra Marga	380.00	362.00	(18.00)	(18.00)		
61	R7c	Siddhartha Marga (Neuro to Shanti Chowk)	305.00	600.00	295.00	295.00		
62	R84	School Marga	663.00	560.00	(103.00)	(103.00)		
63	R85	Lekhanath Marga	150.00	150.00	-	-		
64	R87	Byas Marga	150.00	150.00	-	-		
65	Rani B (Bus park)		90.00	90.00	-	-		
66	R8(a)	Madhumara Marg	285.00	312.00	27.00	27.00		
67	T3L23A		280.00	220.00	(60.00)	(60.00)		
68	Rani E		85.00	80.00	(5.00)	(5.00)		
69	R102	Hamro Marg	132.50	140.00	7.50	7.50		
70	R10/R10a	Ram Marga	940.36	740.36	(200.00)	(200.00)		
71	N10	APF	150.00	193.00	43.00	43.00		
72	R23	Bani Marg	200.00	200.00	-	-		
73	R103	Vibuti Marga	162.50	170.00	7.50	7.50		
74	T3L6	Sahid Marga	350.00	730.00	380.00	380.00		
75	P1, T3L6A	Pandit Meghnath Marga	260.00	260.00	-	-		
76	T2 L24C & D	Hanuman Das Marga	165.00	180.00	15.00	15.00		
77	R99	APF	187.00		(187.00)	(187.00)		
78	T2 L25		300.00	230.00	(70.00)	(70.00)		
79	R20		60.00	108.00	48.00	48.00		



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020		Remarks
			Progress till		Total progress during Jan 2020 to Dec 2020	Brick	RCC	
			Dec 2019	Dec 2020		m	m	
80	T2L24F		60.00	115.50	55.50	55.50		
81	R105		150.00	86.00	(64.00)	(64.00)		
82	R34	Prabhu Marg	158.35	158.35	-	-		
83	R35	Garima Marg	138.00	140.00	2.00	2.00		
84	R107		160.00	160.00	-	-		
85	T3L13D		70.63	70.63	0.00	0.00		
86	T3L13E		62.40	62.40	-	-		
87	T3L11E		110.00	110.00	-	-		
88	B2		76.50	210.00	133.50	133.50		
89	R78		35.00	35.00	-	-		
90	R7b	in between R26 & R27	288.50		(288.50)	(288.50)		
91	T3L21A		25.00	50.00	25.00	25.00		
92	R74		96.00	96.00	-	-		
93	R46		232.00	400.00	168.00	168.00		
94	R101		160.00		(160.00)	(160.00)		
95	T3L7A		125.00	125.00	-	-		
96	T3L8		75.00	75.00	-	-		
97	R20		100.00		(100.00)	(100.00)		
98	R5		274.00	300.00	26.00	26.00		
99	R67		110.00		(110.00)	(110.00)		
100	R82		350.00	190.00	(160.00)	(160.00)		
101	T1L13A		100.00	100.00	-	-		
102	T1L14A		150.00	150.00	-	-		
103	R68		200.00	200.00	-	-		



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020		Remarks
			Progress till		Total progress during Jan 2020 to Dec 2020	Brick	RCC	
			Dec 2019	Dec 2020		m	m	
104	T3L22A		335.00	335.00	-	-		
105	T3L22B		120.00	120.00	-	-		
106	T3L25C		130.00	140.00	10.00	10.00		
107	T3L11B		60.00	71.00	11.00	11.00		
108	T3L11M		50.00	82.00	32.00	32.00		
109	R106		70.00	70.00	-	-		
110	R41		520.00	520.00	-	-		
111	T2L19B		110.00	130.00	20.00	20.00		
112	R30		180.00	180.00	-	-		
113	T3L13C		225.00	300.00	75.00	75.00		
114	T3L13J		72.53	72.53	0.00	0.00		
115	T2L18Y		100.00	100.00	-	-		
116	T2L19P		114.38	114.38	0.00	0.00		
117	T2L19Q		126.55	126.55	-	-		
118	R9A		208.73	109.30	(99.43)	(99.43)		
119	R9B		25.00	85.00	60.00	60.00		
120	T3L7	Sahid Marga	355.00		(355.00)	(355.00)		
121	T2L18K		40.00	74.70	34.70	34.70		
122	T3L23C		105.00	105.00	-	-		
123	T2L24E	Mahabir Marga	60.00	216.00	156.00	156.00		
124	R44		390.00	700.00	310.00	310.00		
125	R110		150.00	250.00	100.00	100.00		
126	Parichaya Marga		130.00	190.00	60.00	60.00		
127	T3L25B		200.00	195.00	(5.00)	(5.00)		



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020		Remarks
			Progress till		Total progress during Jan 2020 to Dec 2020	Brick	RCC	
			Dec 2019	Dec 2020		m	m	
128	T1L5, 5A		590.00	590.00	-	-		
129	R82		110.00		(110.00)	(110.00)		
130	T2L19Y		150.00	150.00	-	-		
131	T3 Trunk	Tinpaini to Devkota Chowk	1,175.00	1,555.08	380.08	380.08		
132	T2L19F		55.00	118.00	63.00	63.00		
133	T2L18D		20.00	75.00	55.00	55.00		
134	R19		175.00	226.00	51.00	51.00		
135	R83	Shiva Marga	125.00	480.00	355.00	355.00		
136	T310B, T3L7D (R46)	Rangeli Road	400.00	400.00	-	-		
137	T2L19G		60.00	60.00	-	-		
138	R4 (T2 Trunk)	Jatuwa Marga	186.00	490.00	304.00	-	186.00	
139	T3L22	Rangeli Road	70.00		(70.00)	(70.00)		
140	T3L25B, Outlet	Madhumara	96.00	96.00	-	-		
141	T3L7B	Matrika Marga	75.00	150.00	75.00	75.00		
142	T3L5	Sanihat Marga	280.00	210.00	(70.00)	(70.00)		
143	T2L19X	Parichaya Marga	210.00		(210.00)	(210.00)		
144	T2L19H		75.00	85.00	10.00	10.00		
145	R181		150.00	193.00	43.00	43.00		
146	N38		165.00	200.00	35.00	35.00		
147	T3L10C	Paurakh Marga	110.00	110.00	-	-		
148	T3L10F		135.00	135.00	-	-		
149	T3L10		170.00	340.00	170.00	170.00		
150	R47 (T3L10A)	Matrika Marga	125.00	150.00	25.00	25.00		
151	R12	Kanchhadai Marga	200.00	795.00	595.00	595.00		



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020		Remarks
			Progress till		Total progress during Jan 2020 to Dec 2020	Brick	RCC	
			Dec 2019	Dec 2020		m	m	
152	R8 (b)	Sahayogi Marga	65.00	65.00	-	-		
153	T1L7A	Piyush Marga	40.00	70.00	30.00	30.00		
154	R39	Maisthan Marga	50.00	100.00	50.00	50.00		
155	N7	Amar Marga	90.00	130.00	40.00	40.00		
156	N8	Amar Marga	120.00	160.00	40.00	40.00		
157	R26	Amar Marga	140.00	290.00	150.00	150.00		
158	T3L25A	Bhakti Marga	137.50	280.00	142.50	142.50		
159	R16, T3L36			200.00	200.00	200.00		
160	R17, T3L35			227.00	227.00	227.00		
161	T3L20			275.00	275.00	275.00		
162	N34, T3L31A			168.00	168.00	168.00		
163	T2L19W			57.00	57.00	57.00		
164	T2L19V			90.00	90.00	90.00		
165	T1L8B			285.00	285.00	285.00		
166	T2L19K			207.00	207.00	207.00		
167	T2L19o			70.00	70.00	70.00		
168	T3L26E			248.00	248.00	248.00		
169	T1L16C			204.00	204.00	204.00		
170	T1L17			84.60	84.60	84.60		
171	R70			200.00	200.00	200.00		
172	R6			400.00	400.00	400.00		
173	R71			107.00	107.00	107.00		
174	T1L13			72.50	72.50	72.50		
175	R4 Branch			185.00	185.00	185.00		



SN	Road Number	Name of Road	Length in (m)			Work Completed during Jan 2020 to Dec 2020		Remarks
			Progress till		Total progress during Jan 2020 to Dec 2020	Brick	RCC	
			Dec 2019	Dec 2020		m	m	
176	N1			100.00	100.00	100.00		
177	R111			215.00	215.00	215.00		
178	N40			30.00	30.00	30.00		
179	T3L24B			72.00	72.00	72.00		
180	T3L21B			70.00	70.00	70.00		
181	T1L7B			70.00	70.00	70.00		
182	T1L7C			70.00	70.00	70.00		
183	T1L8C			70.00	70.00	70.00		
	Total		31,626.69	39,122.15	7,495.46	6,981.46	514.00	



3.6. 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.

3.6.1. 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.

3.6.2. DISPOSAL OF SPOIL AND CONSTRUCTION WASTE

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

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

3.6.3. PROVISION FOR MAINTENANCE OF CAMPS/OFFICE/STORES/EQUIPMENT.

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

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



S. No.	Location of Camp	Details	Remarks
1	Amar Tole, Biratnagar – 8	Three storey building in 2.5 Katha land with 5 Nos. of toilet with facilities mentioned in bullet No.: 3.2.3 of this report.	Have proper electric lightning system, water supply,
2	Panchali, Biratnagar – 11	<ul style="list-style-type: none"> Office space three & half storey building in 4.5 Katha land with 5 Nos. of toilet with facilities mentioned in bullet No.: 3.2.3 of this report. Staff quarter is of one storey building with 2 Nos. of Toilet with facilities mentioned in bullet No.: 3.2.3 of this report. Staff quarter is of three storey building but only one storey has been taken in rent, having 2 Nos. of Toilet with facilities mentioned in bullet No.: 3.2.3 of this report. 	Have proper electric lightning system, water supply,
3	Tinpaini, Biratnagar – 2	Three storey building having land area of 3 Katha with 5 Nos. of toilet and facilities in toilets are mentioned in bullet No.: 3.2.3 of this report.	Have proper electric lightning system, water supply,
4	Rani, Biratnagar – 15	<ul style="list-style-type: none"> Yard space in 10 Katha land with 4 Nos. of toilet with facilities mentioned in bullet No.: 3.2.3 of this report. Asphalt plant is having 2 Biggha land possess 6 Nos. of Toilet which are going to use by the gangs of road workers fulfil the criteria mentioned in bullet No.: 3.2.3 of this report. 	Have proper electric lightning system, water supply,
5	Madhumara yard	Occupied area of 9 Katha	Have proper electric lightning system, water supply and toilets with facilities mentioned in bullet No.: 3.2.3 of this report.



3.6.4. 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.

3.6.5. 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.

3.6.6. 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 6 Km south of the Biratnagar DSC office at a place called Rani.

3.6.7. OCCUPATIONAL HEALTH AND SAFETY MEASURES

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

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

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



imperative to look into positive as well as negative impacts of such infrastructure development works in the urban area.

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

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

3.7. SOCIAL ASPECT

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

3.8. SAFEGUARD/ GESI COMPONENT

3.8.1. COMMUNITY AWARENESS:

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

3.8.2. GRIEVANCE REDRESSES MECHANISM:

Although many grievances are received verbally and written, all Total 267 no. of grievances have been registered formally up to December 2020. Among them, 17 grievances are registered in GRC desk and total 77 no. of grievances are listed in PIU registered. Similarly, 162 grievances are received through telephone in PIU. Received all grievances have immediately been addressed and solved. Received grievances are tabled in Social Safeguard desk, SD discussed over different grievances and social and environmental agendas to immediate mitigate of public complains. Total 15 no. of SD meeting has held up to this reporting period. Project manager has chaired the meeting. GRC meeting has held as per need and mayor has chaired the meeting.

3.8.3. GENDER EQUITY AND SOCIAL INCLUSION (GESI):

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



instructed as follow:

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

3.8.4. 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 date 1st, 2nd and 3rd December, 2018 following issues were found. Social Safeguard revisited the site on 29th, 30th and 31st December.

- i. Efforts are being made to control dust emission at construction site by sprinkling water. As personal safety was given prime importance, construction workers were made to use helmet, globe and jacket while on the construction site.
- ii. Besides that, special attentions were given on the placement of safety board and traffic signboards, safety tools, barricades, tapes, etc. and special care were taken to make sign boards big enough to make them visible from distant.
- iii. Taking into consideration of the fact that the involvement of the significant numbers of female as employee in ADB project is the main project objective of ADB, contractor paid especial attention to have a separate toilet and separate labor camp for female that facilitates and encourages female to get work in the construction field.
- iv. Significant improvement was found to be done in health and sanitation issues in the labor camp than in the previous monitoring visit; like, quality and quantity of drinking water was improved and condition of toilet was found to be enhanced. However, to meet the sanitation condition to predetermined level, further instructions were given by contractor to make provision for sufficient water in toilet and soap for hand-wash. Furthermore, yard in charge was suggested to have sufficient medications, bandages and other necessary first aid equipment's.
- v. Efforts are being made to control the spread of virus, TL, Mr. Chand strictly instructed to obey protocol of GoN & Local governance. Frequently, organizing the awareness program and training on how to fight against CORONA Virus (COVID-19). Emphasized on how to use PPE, physical distancing, managing workers before construction, security procedure at entry/exit, changing & shower, role & responsibilities of the employer, consultant & contractor and how to check the worksite & disinfect (Wakening us about to maintain distancing, wash hand frequently, how to stay at camp, to use sanitizer and wear mask to protect yourself).The contractor's submitted Standard Operating Procedures for COVID-19 Risk Management at Workplace SoP has already been approved and the procurement and supply of goods as per SoP has already been done.
- vi. Separate Isolation room in emergency, sanitizer, thermal gun for fever detection, oximeter etc are provided in Contractor's camp and Consultant's office. The photos have been attached at Annex.

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



3.8.5. STATUS OF RELOCATION OF SERVICES

Relocation of water supply pipelines at Tinpaini to Hospital Chowk (R7), B1 – Kanchanbari, T3L10E, T3L10, T3L39, T3L39A, T3L39B, T3L23C, Nagarpalika to Devkota chowk-R3, Om shanti marga-T3L22A, Moti Marga-T3L21, R100, P1, R24, Hospital Chowk to Siddhartha chowk-R7, Paribar Niyojan to Adharsha school, R181C, R181A, R21 ,R29 ,R181,R6 and R12 are 3024.00, 1319.00, 845.00, 757.70, 324.00, 333.00, 210.00, 183.00, 2400.00, 830.00, 1100.00, 300.00, 601.00, 800.00, 360.00, 380.00, 860.00, 122.70, 18.40, 396, 1376, 300 meters in length are completed.

Relocation of water supply pipe lines at R26 (L=500m) is going on in this month

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

Table – 5: Status of Labor at Site

Labour class	Labour		Composition		Ethnic composition				
	Skilled	Unskilled	Male	Female	Janjati	Dalit	Muslim	Madhesi	Brahmin/Chhetri
Local	24	66	90	0	14	8	10	61	0
Non local	53	154	185	22	43	39	7	118	0
Indian	2	12	14	0	0	0	14	0	0
TOTAL	79	232	289	22	57	44	31	179	0

3.9. FINANCIAL PLAN

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

3.9.1. DISBURSEMENT RECORDS IN CONSTRUCTION

Disbursement records in construction are shown in table-6 below:



Table – 6: Disbursement records in construction

S.No.	Description	Submission date	Covering date	Submitted Amount(NRs)	Remarks
1	IPC 01	15 th October 2017		339,105,000.00	Mobilization Advance
2	IPC 02	2 nd April 2018	2 nd November 2017 to 31 st March 2018	261,501,492.21	
3	IPC 03	1 st July 2018	1 st April 2018 to 30 th June 2018	316,582,708.58	
4	IPC 04	1 st October 2018	1 st July 2018 to 31 st September 2019	105,227,887.16	
5	IPC 05	2 nd December 2018	1 st October 2018 to 30 th November 2018	95,951,603.44	
6	IPC 06	31 st January 2019	1 st December 2018 to 31 st January 2019	264,937,394.98	
7	IPC 07	12 th April 2019	1 st February 2019 to 31 st March 2019	308,805,662.97	
8	IPC 08	9 th May 2019	1 st April 2019 to 30 th April 2019	106,210,198.68	
9	IPC 09	10 th June 2019	1 st May 2019 to 31 st May 2019	90,419,375.33	
10	IPC 10	11 th July 2019	1 st June 2019 to 30 th June 2019	67,863,056.59	
11	IPC 11	30 th September 2019	1 st July 2019 to 30 th September 2019	95,296,297.30	
12	IPC 12	3 rd November 2019	1 st October 2019 to 31 st October 2019	53,113,369.86	
13	IPC 13	30 th November 2019	4 th June 2019 to 30 th June 2019	125,965,923.87	
14	IPC 14	31 st December 2019	1 st December 2019 to 31 st December 2019	63,509,092.84	
15	IPC 15	4 th February 2020	1 st Jan 2020 to 31 st Jan 2020	232,027,037.24	
16	IPC 16	1 st March 2020	1 st Feb, 2020 – 29 th Feb, 2020	102,186,834.62	
17	IPC 17	1 st July 2020	1 st March, 2020–30 th June, 2020	153,448,663.15	
18	IPC 18	05 th Oct. 2020	1 st July, 2020–30 th Sep, 2020	90,563,317.45	
19	IPC 19	2 nd Dec 2020	1 st Oct 2020 to 30 th Nov 2020	88,324,292.52	
Total amount excluding PA & Mobilization advance till date =				2,621,934,208.79	



4. OBJECTIVES AND SCOPE OF WORKS

4.1. OBJECTIVES

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

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

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

4.2. SCOPE OF WORKS

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

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

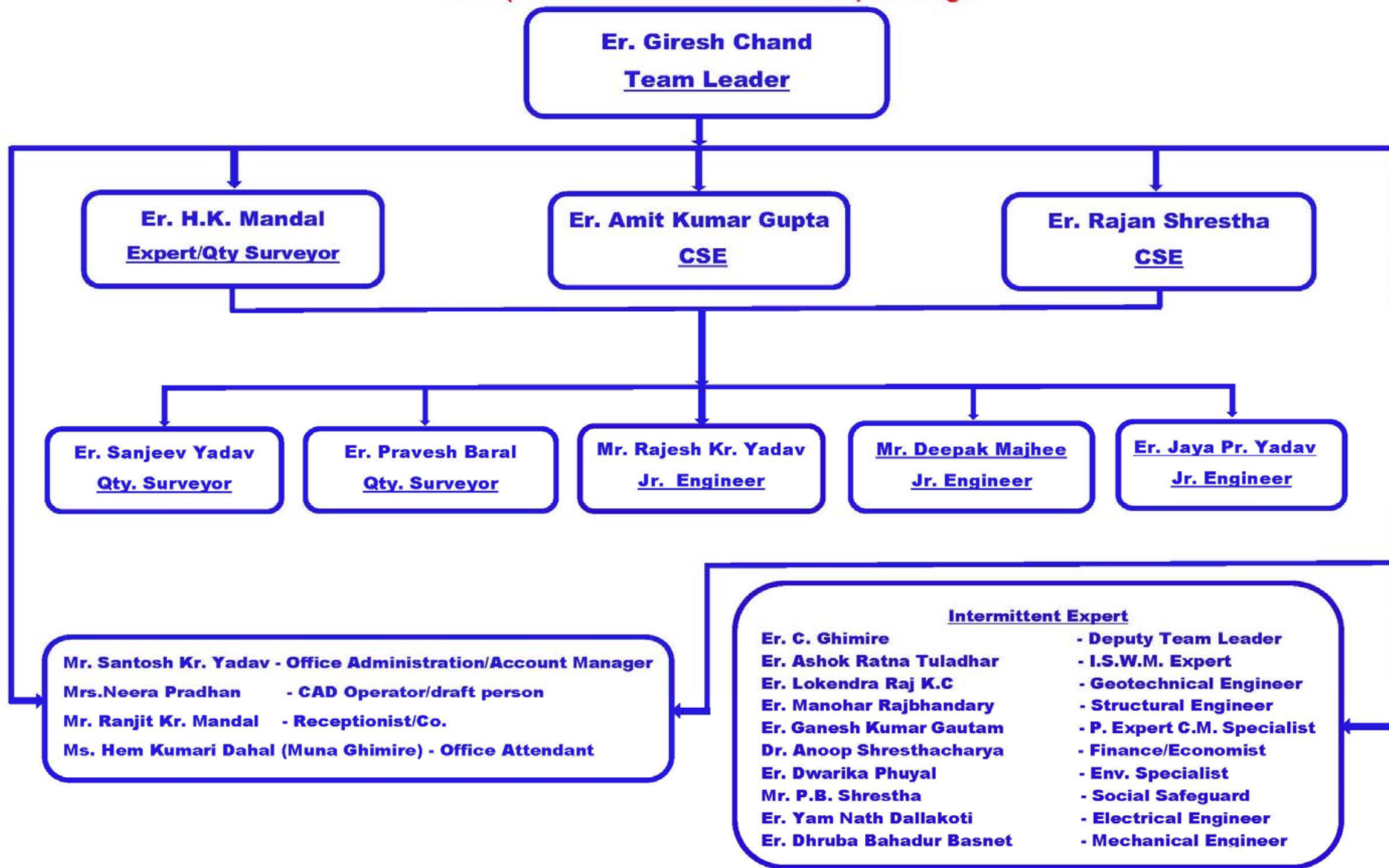
ORGANIZATION AND STAFFING

Attached



ORGANIZATION CHART

RUDP (ADB Loan No - 47252 Site Office, Biratnagar)



4.3. CONSULTANT'S ACTIVITIES IN CONSTRUCTION PHASE

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

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

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



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

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

5. PROGRESS OF SUB - PROJECT COMPONENTS

5.1. CONSTRUCTION MATERIALS

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

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

5.2. PROGRESS ACHIEVED TILL DATE

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



Month	Target This Month		Achievement This Month		Leading		Lagging		Remarks
	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	
December-2019 (after Revision-2)	5.00%	72.98%	5.14%	73.12%	0.14%	0.14%	NA	NA	Leading
January-20	6.00%	78.98%	10.62%	83.74%	4.62%	4.76%	NA	NA	Leading
February-20	6.70%	85.68%	1.48%	85.22%	NA	NA	-5.22%	-0.46%	Lagging
March-20	6.80%	92.48%	1.67%	86.89%	NA	NA	-5.13%	-5.59%	Lagging
April-20	7.00%	99.48%	0.00%	86.89%	NA	NA	-7.00%	-12.59%	Lagging
May-20	0.52%	100.00%	0.86%	87.75%	0.34%	NA	NA	-12.25%	Lagging
June-20			1.15%	88.90%					
July-20			0.84%	82.97%					wrt VO-2
August-20			0.14%	83.11%					wrt VO-2
September-20	5.00%	88.11%	2.94%	86.05%			-2.06%	-2.06%	wrt VO-2
October-20	3.00%	91.11%	1.05%	87.10%			-1.95%	-4.01%	Wrt VO-2
November-20	5.82%	96.93%	1.59%	88.69%			-4.23%	-8.24%	Wrt VO-2
December-20	3.07%	100.00%	3.04%	91.73%			-0.03%	-9.27%	Wrt VO-2

5.3. KEYEVENTS

The consultant has noted the following key dates for this December 2020 in addition to it for previous months, please refer each & every month's MPR.

Table 8: KEY DATES of EVENTS / ACTIVITIES

S. No.	Date	Activities/Events	Remarks
1		<ul style="list-style-type: none"> ADB Mission (The virtual meeting for Review Mission was held on 2 & 4 December 2020) 	
2		<ul style="list-style-type: none"> As usual conferred about the awareness and training on COVID-19, regarding maintain physical distancing, frequently hand washing, use of PPE (masks, gloves, etc.). Monitoring compliances of PPE's during Pandemic due to COVID-19. 	



6. DETAILS OF PRE CAST ACTIVITIES

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

Physical Progress till during Jan 2020 to Dec 2020								
S.N.	Description	Unit	Approved Quantity	Progress				Remarks / Progress till date
				Progress till end of Dec 2019	Progress till end of Dec 2020	progress status during Jan 2020 to Dec 2020	Progress Status during Jan 2020 to Dec 2020 expressed in (%)	
1	Precast Slab	No		42,263.00	96,051.00	53,788.00		Under progress
2	Kerb Stone	Rm	127,247.02	74,825.30	102,290.80	27,465.50	21.58%	80.39%

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

S.N.	Description	Diameter (mm)	Unit	Approved Quantity	Progress				Remarks
					Progress till end of Dec 2019	Progress till end of Dec 2020	progress status during Jan 2020 to Dec 2020	Progress Status during Jan 2020 to Dec 2020 expressed in (%)	
1	RCC Pipe	300	Rm.	335.00	336.00	336.00	-	0.00%	Completed
2	RCC Pipe	450	Rm.	365.00	681.00	681.00	-	0.00%	Completed
3	RCC Pipe	500	Rm.	830.00	842.00	842.00	-	0.00%	Completed
4	RCC Pipe	600	Rm.	437.49	382.00	382.00	-	0.00%	Completed
	Total			1,967.49	2,241.00	2,241.00	-		



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

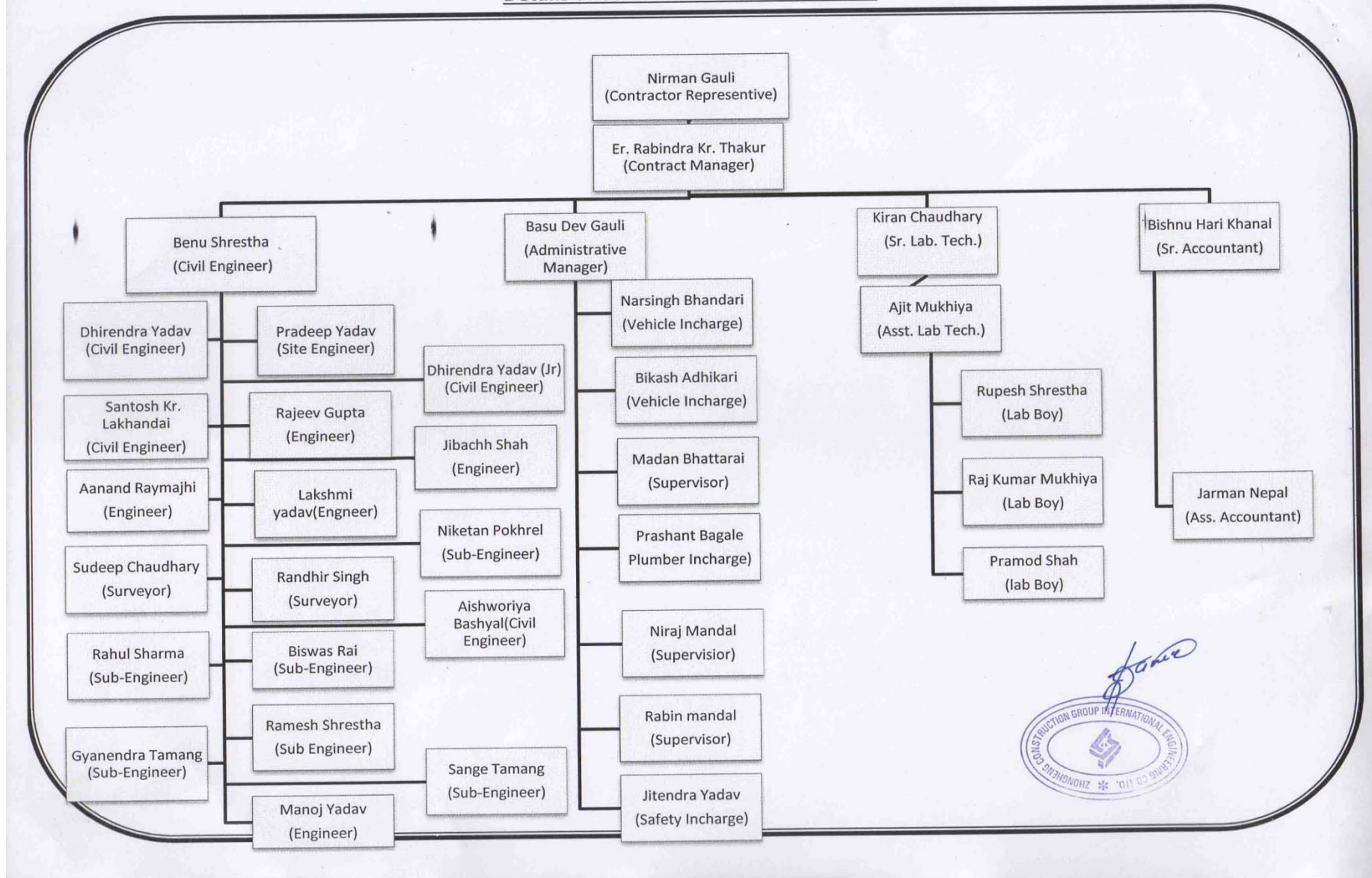
S.N.	Description	Diameter (mm)	Unit	Approved Quantity	Progress				Remarks
					Progress till end of Dec 2019	Progress till end of Dec 2020	progress status during Jan 2020 to Dec 2020	Progress Status during Jan 2020 to Dec 2020 expressed in (%)	
1	HDPE Pipe	110.00	Rm.	1,987.20	1,987.20	4,487.20	2,500.00	126%	Under process
2	HDPE Pipe	200.00	Rm.	16,656.00	10,500.00	16,500.00	6,000.00	36%	
3	HDPE Pipe	250.00	Rm.	115.00	450.00	450.00	-	0%	
	Total			18,758.20	12,937.20	21,437.20	8,500.00		

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

S.N.	Description	Diameter (mm)	Unit	Approved Quantity	Progress				Remarks
					Progress till end of Dec 2019	Progress till end of Dec 2020	progress status during Jan 2020 to Dec 2020	Progress Status during Jan 2020 to Dec 2020 expressed in (%)	
1	UPVC Pipe	160.00	Rm.	5,050.00	4,500.00	5,050.00	550.00	11%	
2	UPVC Pipe	110.00	Rm.	5,050.00	4,000.00	5,050.00	1,050.00	21%	
	Total			10,100.00	8,500.00	10,100.00	1,600.00		



Details of Contractor's Site Personnel's



7. CONTRACTOR'S DETAILS:

7.1. 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	-	4	
8	Sub- Engineer	-	3	
9	Accountant	-	2	
10	Lab Technician	-	1	
11	Store Keeper	-	1	
12	Vehicle In charge	-	1	
13	Skilled Labors		79	
14	Unskilled Labors		232	



Table 14: CONTRACTOR'S EQUIPMENT

7.2. CONTRACTOR'S EQUIPMENT

S.No.	Equipment Type and Characteristics	Min Number required as per Contract	ZHONGHENG CONSTRUCTION Group	Remarks
1	Excavator (200 above)	5	0	Backhoe loader-4Nos.
2	Crane (10 ton capacity)	3	1	
3	Asphalt plant of adequate capacity	1	1	
4	Asphalt pavers	1	1	
5	Vibrating roller	2	2	
6	Pneumatic tyre roller 8 to 10 ton	2	1	
7	Smooth wheeled roller 8 to 10 ton	1	2	
8	Grader	1	3	
9	Track Dozer (120 to 180 HP)	1	-	
10	Bitumen distributor (4 to 6 Kilo Liters)	1	1	
11	Water browser (minimum 5000 Liters)	3	6	
12	Chips spreader	1	-	
13	Bitumen decanter minimum 4000 Liters. (preheating container)	2	1	
	Air compressor	2	2	
14	Tipping Trucks	5	1	Tipper-4
15	Service vehicle	15	3	Tractor = 13 Nos.
16	Survey equipment (Total station with accessories)	2		
17	Theodolite	1	-	



S.No.	Equipment Type and Characteristics	Min Number required as per Contract	ZHONGHENG CONSTRUCTION Group	Remarks
18	Levelling	2	5	
19	Mobile Generator 15-20 KVA	5	6	
20	Mixer Machine	3	5	
21	Concrete Batching Plant	1	-	
22	Concrete pump	1	-	
23	Drain cleaner/ Nala cleaner	2	-	
24	Broomer	-	2	
25	Motor Bike	-	13	
26	Plate Compactor	-	5	
27	Water Pump	-	2	

8. WORK PLAN FOR THE NEXT MONTH

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

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

Note:

- Physical progresses are lagging due to pandemic COVID-19.
- The above mentioned work for the upcoming month can only be executed smoothly once the panic situations normalizes.
- The contractor claimed for time & cost pursuant to relevant clauses of the contract which are under perusal.
- Revised EOT-04 for civil work has been submitted to the Employer.



ANNEX-1: PHOTOGRAPHS OF JAN-DEC 2020





Interlock work at Sani Haat Chowk



Base work at Ghoghapaini



Road Gutter cleansing at B3



Thermoplastic work at T3Line22A



Base work at R2 (Tinpaini to Pani Tanki)



Prime coat work at R2 (Tinpaini to Pani Tanki)



A meeting at PIU



A meeting at BMC



Asphalt works



Field Density works at R70(Traffic Chowk)

ANNEX-2: MINUTES OF MEETING

(Minutes of meeting are attached in each and every previous Monthly Progress Report for the particular month)





Minutes of Meeting – RUDP, Biratnagar

MINUTES OF MEETING

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

Date: 23 September 2020

Time: 2:00 PM

Venue: PIU, Biratnagar

Attendance**Employer:**

- | | | | |
|---|----------------------------|---------------------------|-------------------------------|
| 1 | Mr. Bhim Parajuli | Mayor, BMC | <i>Bhim Parajuli</i> |
| 2 | Mr. Bharat Kumar Neupane | Project Manager (PM), PIU | <i>Bharat Neupane</i> |
| 3 | Mr. Punam Kumar Dahal | S.D.O., PIU | <i>Punam Dahal</i> |
| 4 | Mr. Anil Singh | Electrical Engineer, PIU | <i>Anil Singh</i> |
| 5 | Mr. Purushottam Lamichhane | Asst. Administration, PIU | <i>Purushottam Lamichhane</i> |

Contractor:

- | | | | |
|---|---------------------------|---|------------------------|
| 1 | Mr. Ravindra Kumar Thakur | CM, M/S Zhongheng Construction Group International Engineering Co. Ltd. | <i>Ravindra Thakur</i> |
|---|---------------------------|---|------------------------|

Consultant:

- | | | | |
|---|-------------------|---------|----------------------|
| 1 | Mr. Gireesh Chand | TL, DSC | <i>Gireesh Chand</i> |
|---|-------------------|---------|----------------------|

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

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

Bhim Parajuli *Ravindra Thakur* *Gireesh Chand* *Anil Singh* *Bharat Neupane* *Punam Dahal*

Minutes of Meeting – RUDP, Biratnagar

S. NO.	Minutes	Action by
2	<p>Mayor, Mr. Parajuli emphasised on</p> <p>i. Priority to the road construction work of Barganchhi Chowk east and Keshaliya road, due to high traffic movement at those roads and adjacent to core market hub of Biratnagar</p> <p>ii. Settlement of road at R6 (Sai temple)</p> <p>TL, Mr Chand informed that Barganchhi Chowk east and Keshaliya road are not in our scope as per contract. As far as settlement of road at R6 is concerned, it happened due to existing water supply pipes which laid more than 20 years ago & rusty. TL added that WWTP is working well till date but as per our observation and due to lack of proper adoption of guidelines of Operation & Maintenance manual, it may fail. So, need proper concentration for Operation & Maintenance of WWTP as well as sewer system. Even if it is not our responsibility nor comes under our TOR, as the STIUEIP Project is already handed over to the employer & completed but even though there are some findings which need to address immediately.</p> <ul style="list-style-type: none"> ▪ Need to stop discharge from the cultivated lands, need to inspect & control the infiltration and cross connections, all illegal cross connections between storms and sanitary sewers should be avoided. ▪ Schedule cleansing of sanitary sewer should be implemented, need to mobilize the sewer cleansing machineries & equipment for smooth operation & maintenance time to time. ▪ Routine maintenance as well as emergency maintenance are required immediately not only for WWTP (components like Enclosure chamber, Sump well, Oil & Grease chamber and Grit chamber, etc.) and certainly required for rest of sewer system to handle the threats which happens due to heavy rainfall, raising of Water Table & soil sedimentation (at WWTP's components and in sewer pipes & manholes because of plaster and punning have been done up to taper portion of manhole so if soil deposited at certain level in ditch, the flow will be obviously little bit higher than designed one and may pass through tiny pours to road surface and damage the pitch too). 	The employer, contractor & consultant



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Minutes of Meeting – RUDP, Biratnagar

S. NO.	Minutes	Action by
	<ul style="list-style-type: none"> Low “self-cleansing” velocity in secondary lines must require frequent inspection and cleansing. <p>PM, Neupane assured to monitor those and convey his gratitude for DSC concern.</p> <p>Mayor, Mr. Parajuli instructed to PM/PIU & TL/DSC to prepare the Variation order (VO) to incorporate Barganchhi Chowk east and Keshaliya road ASAP.</p>	
3	<p>CM, Mr Thakur expressed that due to COVID-19, unexpected rainfall and unclear ROW, progresses are slow. Hence, Extension of Time (EOT) may require due to above mentioned reasons.</p> <p>TL, Mr Chand asked CM, Mr Thakur to submit SOP ASAP.</p> <p>TL, Mr Chand also informed that as of conversation at PCO/PMC the imposed budget due to this SOP will be pay through Provisional Sum of BOQ of civil work. PM, Mr Neupane agreed for above statement of PS.</p>	The Contractor



Handwritten signatures and initials are present below the table, including a large signature that appears to be 'Ravindra' and another that appears to be 'B. Neupane'.

Minutes of Meeting – RUDP, Biratnagar

MINUTES OF MEETING

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

Date: 30 November 2020

Time: 11:30 PM

Venue: Biratnagar Metropolitan City Office, Biratnagar

Attendance

Employer:

- | | |
|---------------------------------|-----------------------------------|
| 1 Mr. Bhim Parajuli | Mayor, BMC |
| 2 Mrs. Indira Karki | Deputy Mayor, BMC |
| 3 Mr. Indra Mani Pokharel | CAO, BMC |
| 4 Mr. Bharat Kumar Neupane | Project Manager (PM), PIU |
| 5 Mr. Prakash Narayan Chaudhary | Deputy Project Manager (DPM), PIU |
| 6 Mr. Punam Kumar Dahal | S.D.O., PIU |
| 7 Mr. Anil Singh | Electrical Engineer, PIU |
| 8 Mr. Ghanashyam Kafley | Project Engineer, PIU |

Contractor:

- | | |
|-----------------------------|---|
| 1 Mr. Ravindra Kumar Thakur | CM, M/S Zhongheng Construction Group International Engineering Co. Ltd. |
| 2 Mr. Pradeep Yadav | Engineer, M/S Zhongheng Construction Group International Engineering Co. Ltd. |

Consultant:

- | | |
|---------------------------|-------------------------------|
| 1 Mr. Giresh Chand | TL, DSC |
| 2 Mr. Amit Kumar | CSE, DSC |
| 3 Mr. Hare Krishna Mandal | Quantity Surveyor/Expert, DSC |

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

S. NO.	Minutes	Action by
1	<p>Mayor, Mr. Parajuli and CAO, Mr. Pokharel asked about the present progress of the work and preparation about ADB Mission virtual meeting of 02 December 2020.</p> <p>TL, Mr Chand informed about present progress status of the RUDP Project, as stated below till the end of November 2020:-</p> <p>Physical Progress = 88.69% Financial progress = 84.78%</p> <p>Component wise progresses are-</p> <p>Road Rehabilitation (Asphalt) = 88.50% Sewer Line = 100% Storm Drain = 100% Road Side Drain = 99.79%</p>	The employer, contractor & consultant

Page 1 of Pages 3

Minutes of Meeting – RUDP, Biratnagar

S. NO.	Minutes	Action by
2	PM, Neupane as well as TL, Chand informed that the preparation of ADB Mission virtual meeting is in progress.	The employer & consultant
3	TL, Mr Chand also queried about the status of land for Integrated Solid Waste Management (ISWM) as PIU/PCO committed to make available before the end of December 2020. Mayor, Mr. Parajuli informed that purchase/acquisition of land for ISWM is under progress and soon BMC will acquire it.	The employer, contractor & consultant
4	TL, Mr Chand said that as per present progress status of the project and on the basis of pre requisite of the contractor for time claim, TL assume about two months more extension of time required to complete the project. Reasons behind lagging of progresses are Lockdown due to COVID-19 and unavailability of skilled manpower's. CM, Mr Thakur added that unexpected rainfall is also a reason for delay. After discussion, Mayor, Mr. Parajuli, CAO, Mr. Indra Mani Pokharel and PM, Nuepane together concluded and advised to DSC that determine the Extension Of Time (EOT) in the manner so that no more further time claim may require to complete the project.	The employer, contractor & consultant
4	TL, Mr Chand informed that as all aware about the fact that due to dispute & unwillingness from the users during STIUEIP Project at few places, the HCC had not placed. But, still DSC are getting requests from PIU to place remained HCC at project area of STIUEIP (in instalment rather than whole quantity of HCC required as per your inventory) so that DSC may request to the contractor of RUDP to prepare themselves to place remaining HCC as a whole. Contractually, the above mentioned scope not comes under the responsibility of RUDP Project but as the STIUEIP is connected to RUDP thus we approach for the betterment of the project. It is decided to publish a public notice regarding the connection of HCC to Household's sewer by the employer if within 15 days from first day of publication, Households don't fill the form & deposit the required payment for installation then otherwise everyone automatically comes under tax payer portal of BMC and no more placement of HCC will entertain later.	The employer, contractor & consultant
5	TL, Mr Chand emphasized on approval of VO-3 of Works because delay on approval is constrained DSC to issue work order to the contractor to perform the work. Mayor, Mr. Parajuli said that for a time being, start the work of Bargachhi to Durga chowk/ Keshaliya Road and assured that if approval not come on time then BMC will recompense it.	The employer, contractor & consultant

Page 2 of Pages 3



Minutes of Meeting – RUDP, Biratnagar

S. NO.	Minutes	Action by
6	TL, Mr Chand informed that as mentioned in previous meeting, due to increase of width at some lanes, increases of height of road side drain and few additional road crossing according to site condition wrt VO-2, the quantities of few items in BOQ found less than the required one. Thus, to maintain the cash flow so that contractor can smoothly perform the remaining scope of works, as we discussed earlier (during last ADB Mission 2019 too) need to confirm the contractor for timely payment of executed works as well as required to assure them to perform the works which not exceed the amount in VO-2 (Nrs. 2,988,389,581.81) & to do so required to adjust the quantities in internal Variation Order, not exceed the amount in VO-2 (Nrs. 2,988,389,581.81). Mayor, Mr. Parajuli, CAO, Mr. Pokharel and PM, Neupane agreed on it.	The employer, contractor & consultant
7	Mayor, Mr. Parajuli and CAO, Mr. Pokharel were satisfied with the progress and Mayor, Mr. Parajuli emphasized for better co-ordination between all the (3) three parties.	The employer, contractor & consultant



ANNEX-3: LABORATORY TEST RESULTS

(Lab reports are attached in each and every previous Monthly Progress Report for the particular month)













ANNEX- 4: SOCIAL& ENVIRONMENT SAFEGUARD

(Social & Environment Safeguard Monitoring Formats are attached in each & every MPR of respective months – * sample of December 2020 is attached hereby)



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

Name of Sub Project: RUDP/ Biratnagar

Contract Package: RUDP/ICB/BRT/02

Sub-project Component: - Road Lanes Improvement / Sewerage Drainage

Month: December 2020

Checklist

SN	Activity	Description/Present Status (Compliance/Partially Compliance/Non Compliance)	Remarks/ Corrective actions for Non-Compliance
1	Training		
1.1	Health, Safety and EMP trainings and awareness	Yes	
1.2	Others awareness and skill trainings	No	
2	Campsite management		
2.1	Location	Pichra, Shanti Chowk, Rani	
2.2	First aid facilities available at camp and worksites	Yes	
2.3	Drinking water supply and sanitation facilities/ pit latrines	Tap water/ Hand Pump	
2.4	Waste Disposal and	Yes	
2.5	Management facilities	L.P.G	
	Type of fuel used for cooking		
3	Spoil and Construction material Management		
3.1	Cut and fill balance maintained or not, Reuse of spoil materials	Cut & Fill balance maintained	
3.2	Use of safe spoil disposal locations	Not Applicable	
3.3	Disturbance to Pedestrian and traffic movement	No any disturbance to pedestrians & traffic movement	
3.4	Use of private land and agreement with land owners	Yes	
4	Air, Noise and Water Pollution		
4.1	Dust emission and Noise pollution sites	Water sprinkled by tanker on such sites.	
4.2	Water quality monitoring result and locations	ok	
4.3	Block age of natural drainages ,water logging, drain water discharge into farmland/risky areas	Not Applicable	
5	Quarrying of construction materials and Plants Installment		
5.1	Quarry/borrow operation sites	Not Applicable	

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

Subproject Road : -RUDP/ICB/BRT/2

Month/Year: Dec. 2020

Name of Contractor :-ZHONGGHENG Construction Group International
 Engineering Co pvt Beijing China.

Contract Package: RUDP/ICB/BRT/2

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

Prepared by:



Verified by:



Monitored by:



5.2	Crusher plant and Asphalt plant operation restoration	Asphalt Plant	
6	Impact/Disruption of Private properties		
6.1	Building structures	Not Applicable	
6.2	Other utilities	Not Applicable	
7	Sites for cultural and religious values		
7.1	Cultural and religious sensitive spots (if any)	Not Applicable	
8	Forest and vegetation		
8.1	Number of trees removal	00	
8.2	No of tree plantation (Roadside)	Not Applicable	
9	Accident cases and records	No any records	
10	Employment to local people		
10.1	Men and women	Yes, both men and women	
10.2	Child labor (if any)	No	
11	Establishment of Safeguard desk and meeting	Yes	
12	Grievances from local people and addressed	Yes	
13	SOP Approved		
13.1	Taking Temperature with infrared thermometer NC150	Yes	
13.2	Hand Sanitization with Automatic Dispenser	Yes	



Occupational health and safety

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 2020

Checklist

SN	Activity	Description/Present Status (Compliance/Partially Compliance/Non Compliance)	Remarks/ Corrective actions for Non-Compliance
1	Occupational health and safety		
1.1	Insurance for workers	Yes	
1.2	Personal Protective Equipment (PPE) provided to labors and is using (helmet, facemasks, muffles, gloves, boots, jacket, goggles etc.)	Daily Provided	
1.3	Public notification Safety and warning signs and informative signboards in working sites for work safety	Yes Provided	
1.4	Use of barricades, caution tape and flag	Daily Used	



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

S.NO	LOCATION	TYPES OF WORK	TYPES OF WORKERS	LABOUR		COMPOSITION		ETHNIC COMPOSITION				Month/Year: December 2020
				SKILLED	UNSKILLED	MALE	FEMALE	JANJATI	DALIT	MUSLIM	MADHESI	
1	Ghoghapaini	Gutter	LOCAL									
			NON LOCAL	4	12	16		5	5		6	
			INDIAN									
			TOTAL	16								
2	R12	Weep Hole	LOCAL									
			NON LOCAL	3	13	16		8	4		4	
			INDIAN									
			TOTAL	16								
3	T3122	Sub-Grade	LOCAL	2	6	8		5	3			
			NON LOCAL									
			INDIAN									
			TOTAL	8								
4	R10	Brick Work	LOCAL									
			NON LOCAL	3	7	10					10	
			INDIAN									
			TOTAL	10								
5	Koshi Yard	Precast Production	LOCAL									
			NON LOCAL	5	28	33		13	7		13	
			INDIAN									
			TOTAL	33								
6	Bargachhi	Kerbstone	LOCAL	7	15	22					22	
			NON LOCAL									
			INDIAN									
			TOTAL	22								



Regional Urban Development Project (RUDP) Project Implementation Unit (PIU) Biratnagar, Nepal LABOUR DATA												Month/Year: December 2020
7	R109	Drain	LOCAL	4	8	12				5	7	
			NON LOCAL									
			INDIAN									
			TOTAL	12								
8	R12	Drain	LOCAL	3	12	15				5	10	
			NON LOCAL									
			INDIAN									
			TOTAL	15								
9	Ghoghapaini	Bromming	LOCAL									
			NON LOCAL	4	18		22		5	17		
			INDIAN									
			TOTAL	22								
10	R4	Gutter	LOCAL									
			NON LOCAL	2	9	11			2	9		
			INDIAN									
			TOTAL	11								
11	R4	Ashphalt	LOCAL									
			NON LOCAL									
			INDIAN	2	12	14			14			
			TOTAL	14								
12	Ghoghapaini	Base	LOCAL	2	5	7				2	5	
			NON LOCAL									
			INDIAN									
			TOTAL	7								
13	R3 Trunk Line	Tile	LOCAL									
			NON LOCAL	5	12	17		5	2	10		
			INDIAN									
			TOTAL	17								



Rigional Urban Development Project (RUDP) Project Implementation Unit (PIU) Biratnagar, Nepal LABOUR DATA														Month/Year: December 2020	
14	R2	Tile	LOCAL	3	12	15			5		5	5			
			NON LOCAL												
			INDIAN												
			-TOTAL	15											
15	R5	Road Paint	LOCAL												
			NON LOCAL	3	6	9						9			
			INDIAN												
			TOTAL	9											
16	R110	House Connection	LOCAL	4	10	14						14			
			NON LOCAL												
			INDIAN												
			TOTAL	14											
17	R121	House Connection	LOCAL	3	6	9			4			5			
			NON LOCAL												
			INDIAN												
			TOTAL	9											
18	Madhumara Yard	Precast Production	LOCAL												
			NON LOCAL	4	10	14			4	5	5				
			INDIAN												
			TOTAL	14											
19	R4	Prime	LOCAL												
			NON LOCAL	3	5	8					2	6			
			INDIAN												
			TOTAL	8											



Regional Urban Development Project (RUDP) Project Implementation Unit (PIU) Biratnagar, Nepal LABOUR DATA											Month/Year: December 2020
20	Pratibha Chowk	Electric Work	LOCAL	4	10	14		5	4		5
			NON LOCAL								
			INDIAN								
			TOTAL	14							
21	R4	MH Raise	LOCAL								
			NON LOCAL	2	6	8					8
			INDIAN								
			TOTAL	8							
22	R3 Trunk Line	MH Cleaning	LOCAL								
			NON LOCAL	4	5	9		3	2		4
			INDIAN								
			TOTAL	9							



Regional Urban Development Project (RUDP) Project Implementation Unit (PIU) Biratnagar, Nepal LABOUR DATA													Month/Year: December 2020
23	T3L21A	Sub-Base	LOCAL	3	5	8							
			NON LOCAL										
			INDIAN										
			TOTAL	8								3	5
24			LOCAL										
			NON LOCAL										
			INDIAN										
			TOTAL										
			LABOUR CLASS	LABOUR			COMPOSITION		ETHNIC COMPOSITION				
				SKILLED	UNSKILLED		MALE	FEMALE	JANIATI	DALIT	MUSLIM	MADHESI	RAHMIN/CHHETI
				24	66		90	0	14	5	10	61	0
				53	154		185	22	43	39	7	118	0
				2	12		14	0	0	0	14	0	0
				79	232		289	22	57	44	31	179	0



A. Staffs Name List

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



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

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



ANNEX- 5: SOP HEALTH MONITORING FORMAT

(Attached in each and every MPR separately with Bi weekly report)



Annex 6 (B) Regular Health Monitoring Template at Site/Office.									
DSC									
Project Name:		Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Contract No: RUDP/ICB/BRT/02							
S.No.	Staff Name	Position	Temperature	Yes/No					Remarks
				Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	
1	Giresh Chand	TL	97.1	NO	NO	NO	Yes	Yes	P-99 H-80
2	H.K. Mandal	E./Qty S.	89.3	NO	NO	NO	Yes	Yes	P-98 H-77
3	Amit Kumar Gupta	CSE	97.1	NO	NO	NO	Yes	Yes	P-98 H-77
4	Rajan Shrestha	CSE	91.5	NO	NO	NO	Yes	Yes	P-99 H-79
5	Santosh Kumar Yadav	OM	93.6	NO	NO	NO	Yes	Yes	P-98 H-76
6	Rajesh Kumar Yadav	Jr.	95.5	NO	NO	NO	Yes	Yes	P-99 H-75
7	Deepak Majhee	Jr.	97.1	NO	NO	NO	Yes	Yes	P-99 H-73
8	Jaya Prakash Yadav	Jr.	96.7	NO	NO	NO	Yes	Yes	P-98 H-73
9	Ranjit Mandal	R/C	97.5	NO	NO	NO	Yes	Yes	P-99 H-70
10	Youba Raj Poudel	Driver	96.9	NO	NO	NO	Yes	Yes	P-99 H-72
11	Pulkit Gothiya Yadav	Driver	96.9	NO	NO	NO	Yes	Yes	P-98 H-76
12	Rudra Kharel	O/A	95.1	NO	NO	NO	Yes	Yes	P-98 H-70
13	Kesab Katuwal	Guard	97.1	NO	NO	NO	Yes	Yes	P-99 H-76

Annex 6 (B) Regular Health Monitoring Template at Site/Office.									
DSC									
Project Name:		Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Contract No: RUDP/ICB/BRT/02							
S.No.	Staff Name	Position	Temperature	Yes/No					Remarks
				Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	
1	Giresh Chand	TL	95.3	NO	NO	NO	Yes	Yes	P-99 H-73
2	H.K. Mandal	E./Qty S.	90.3	NO	NO	NO	Yes	Yes	P-99 H-75
3	Amit Kumar Gupta	CSE	96.4	NO	NO	NO	Yes	Yes	P-98 H-74
4	Rajan Shrestha	CSE	97.5	NO	NO	NO	Yes	Yes	P-99 H-70
5	Santosh Kumar Yadav	OM	94.1	NO	NO	NO	Yes	Yes	P-99 H-72
6	Rajesh Kumar Yadav	Jr.	96.2	NO	NO	NO	Yes	Yes	P-98 H-71
7	Deepak Majhee	Jr.	96.9	NO	NO	NO	Yes	Yes	P-99 H-76
8	Jaya Prakash Yadav	Jr.	96.7	NO	NO	NO	Yes	Yes	P-99 H-75
9	Ranjit Mandal	R/C	97.5	NO	NO	NO	Yes	Yes	P-98 H-73
10	Youba Raj Poudel	Driver	97.1	NO	NO	NO	Yes	Yes	P-99 H-73
11	Pulkit Gothiya Yadav	Driver	97.1	NO	NO	NO	Yes	Yes	P-98 H-76
12	Rudra Kharel	O/A	95.1	NO	NO	NO	Yes	Yes	P-98 H-75
13	Kesab Katuwal	Guard	97.1	NO	NO	NO	Yes	Yes	P-99 H-73



Annex 6 (A) Regular Health Monitoring Template at Site/Office.									
Employer (PIU) Date: 2020-8-3									
Project Name:		Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Contract No: RUDP/ICB/BRT/02							
S.No.	Staff Name	Position	Temperature	Yes/No					Remarks
				Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	
1	Bharat Kumar Neupane	PM	96.3	NO	NO	NO	Yes	Yes	
2	Prakash Narayan Chaudhary	DPM	97.1	NO	NO	NO	Yes	Yes	
3	Punam Kumar Dahal	SDO	95.1	NO	NO	NO	Yes	Yes	
4	Anil Singh	Electrical Er.	96.2	NO	NO	NO	Yes	Yes	
5	Ghanashyam Kafley	Project Er.	96.4	NO	NO	NO	Yes	Yes	
6	Mister KC	Account/Officer	95.3	NO	NO	NO	Yes	Yes	
7	Purushottam Lamichhane	Asst/Ad	96.1	NO	NO	NO	Yes	Yes	
8	Uddab Nepal	Office Assistant	96.7	NO	NO	NO	Yes	Yes	
9	Girja Kumar Chaudhary	Office Assistant	94.8	NO	NO	NO	Yes	Yes	
10	Rabi Kumar Rai	Heavy Driver	95.6	NO	NO	NO	Yes	Yes	
11	Mayakant Kamat	Heavy Driver	96.6	NO	NO	NO	Yes	Yes	
12			96.6	NO	NO	NO	Yes	Yes	
13									

Annex 6 (A) Regular Health Monitoring Template at Site/Office.									
Employer (PIU) Date: 2020-8-4									
Project Name:		Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Contract No: RUDP/ICB/BRT/02							
S.No.	Staff Name	Position	Temperature	Yes/No					Remarks
				Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	
1	Bharat Kumar Neupane	PM	96.3	NO	NO	NO	Yes	Yes	
2	Prakash Narayan Chaudhary	DPM	96.8	NO	NO	NO	Yes	Yes	
3	Punam Kumar Dahal	SDO	96.7	NO	NO	NO	Yes	Yes	
4	Anil Singh	Electrical Er.	95.5	NO	NO	NO	Yes	Yes	
5	Ghanashyam Kafley	Project Er.	96.1	NO	NO	NO	Yes	Yes	
6	Mister KC	Account/Officer	96.7	NO	NO	NO	Yes	Yes	
7	Purushottam Lamichhane	Asst/Ad	96.3	NO	NO	NO	Yes	Yes	
8	Uddab Nepal	Office Assistant	95.5	NO	NO	NO	Yes	Yes	
9	Girja Kumar Chaudhary	Office Assistant	94.3	NO	NO	NO	Yes	Yes	
10	Rabi Kumar Rai	Heavy Driver	94.7	NO	NO	NO	Yes	Yes	
11	Mayakant Kamat	Heavy Driver	95.3	NO	NO	NO	Yes	Yes	
12			96.3	NO	NO	NO	Yes	Yes	
13									



Annex 6 © Regular health Monitoring Template at Site/Office									
Zhongheng Construction Group International Engineering Co. Ltd.									
Date: 28-11-2020									
Project Name:		RUDP Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Contract No: RUDP/ICB/BRT/02, Biratnagar							
S.N.	Staff Name	Position	Temperature	Yes/No			Have You done hand sanitization before entering site/office	Has the person Wearing mask	Remarks
				Cold	Cough	Difficulty in breathing			
1	Bishnu baxi Kharol		95.6	NO	NO	NO	Yes	Yes	
2	Prakash bahadur Suba		96.7	NO	NO	NO	Yes	Yes	
3	Ramesh shrestha		95.6	NO	NO	NO	Yes	Yes	
4	Bansal thapa		97.7	NO	NO	NO	Yes	Yes	
5	Pradip Yadav		97.5	NO	NO	NO	Yes	Yes	
6	Dhirendra "		96.3	NO	NO	NO	Yes	Yes	
7	Itendra "		96.7	NO	NO	NO	Yes	Yes	
8	Jenit "		97.5	NO	NO	NO	Yes	Yes	
9	Kalyan sharma		96.4	NO	NO	NO	Yes	Yes	
10	Brash Mandal		97.3	NO	NO	NO	Yes	Yes	
11	Tahir Miya		96.4	NO	NO	NO	Yes	Yes	
12	Shakti Ram Rai		95.5	NO	NO	NO	Yes	Yes	
13	Rahul sharma		96.7	NO	NO	NO	Yes	Yes	
14	Tezeng Sherpa		97.8	NO	NO	NO	Yes	Yes	
15	Kishor sharma		95.2	NO	NO	NO	Yes	Yes	
16	Dinesh Dhakal		97.4	NO	NO	NO	Yes	Yes	
17	Rustam ali		94.3	NO	NO	NO	Yes	Yes	
18	Anwar Alam		95.7	NO	NO	NO	Yes	Yes	
19	Biduy Sarsal		96.2	NO	NO	NO	Yes	Yes	
20	Ram Kadir Upadhyay		97.7	NO	NO	NO	Yes	Yes	
21	Kiran Chy		97.9	NO	NO	NO	Yes	Yes	
22	Rud K. Mukhiya		96.2	NO	NO	NO	Yes	Yes	
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Annex 6 (B) Regular Health Monitoring Template at Site/Office.

Date: 17 Dec 2020

Project Name:		Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Contract No: RUDP/ICB/BRT/02							
S.No.	Staff Name	Position	Temperature	Yes/No					Remarks
				Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	
1	Giresh Chand	TL	97.1	NO	NO	NO	Yes	Yes	
2	H.K. Mandal	E./Qty S.	93.2	NO	NO	NO	Yes	Yes	
3	Amit Kumar Gupta	CSE	95.2	NO	NO	NO	Yes	Yes	
4	Rajan Shrestha	CSE	97.1	NO	NO	NO	Yes	Yes	
5	Santosh Kumar Yadav	OM	96.8	NO	NO	NO	Yes	Yes	
6	Rajesh Kumar Yadav	Jr.	95.9	NO	NO	NO	Yes	Yes	
7	Deepak Majhee	Jr.	93.3	NO	NO	NO	Yes	Yes	
8	Jaya Prakash Yadav	Jr.	92.3	NO	NO	NO	Yes	Yes	
9	Ranjit Mandal	R/C	91.1	NO	NO	NO	Yes	Yes	
10	Youba Raj Poudel	Driver	96.5	NO	NO	NO	Yes	Yes	
11	Pulkit Gothiya Yadav	Driver	96.0	NO	NO	NO	Yes	Yes	
12	Rudra Kharel	O/A	96.6	NO	NO	NO	Yes	Yes	
13	Kesab Katuwal	Guard	96.4	NO	NO	NO	Yes	Yes	

Annex 6 (B) Regular Health Monitoring Template at Site/Office.

DSC

Date: 18 Dec 2020

Project Name:		Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Contract No: RUDP/ICB/BRT/02							
S.No.	Staff Name	Position	Temperature	Yes/No					Remarks
				Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	
1	Giresh Chand	TL	92.3	NO	NO	NO	Yes	Yes	
2	H.K. Mandal	E./Qty S.	93.9	NO	NO	NO	Yes	Yes	
3	Amit Kumar Gupta	CSE	95.5	NO	NO	NO	Yes	Yes	
4	Rajan Shrestha	CSE	97.1	NO	NO	NO	Yes	Yes	
5	Santosh Kumar Yadav	OM	97.3	NO	NO	NO	Yes	Yes	
6	Rajesh Kumar Yadav	Jr.	96.9	NO	NO	NO	Yes	Yes	
7	Deepak Majhee	Jr.	96.0	NO	NO	NO	Yes	Yes	
8	Jaya Prakash Yadav	Jr.	96.3	NO	NO	NO	Yes	Yes	
9	Ranjit Mandal	R/C	97.0	NO	NO	NO	Yes	Yes	
10	Youba Raj Poudel	Driver	96.6	NO	NO	NO	Yes	Yes	
11	Pulkit Gothiya Yadav	Driver	96.0	NO	NO	NO	Yes	Yes	
12	Rudra Kharel	O/A	95.7	NO	NO	NO	Yes	Yes	
13	Kesab Katuwal	Guard	96.8	NO	NO	NO	Yes	Yes	



Annex 6 (A) Regular Health Monitoring Template at Site/Office.

Employer (PIU)

Date: 20/7/08/25

Project Name:		Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Contract No: RUDP/ICB/BRT/02							
S.No.	Staff Name	Position	Temperature	Yes/No					Remarks
				Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	
1	Bharat Kumar Neupane	PM	98.0	NO	NO	NO	Yes	Yes	
2	Prakash Narayan Chaudhary	DPM	97.1	"	"	"	"	"	
3	Punam Kumar Dahal	SDO	97.7	"	"	"	"	"	
4	Anil Singh	Electrical Er.	97.1	"	"	"	"	"	
5	Ghanashyam Kafley	Project Er.	96.7	"	"	"	"	"	
6	Mister KC	Account/Officer	97.5	"	"	"	"	"	
7	Purushottam Lamichhane	Asst/Ad	94.9	"	"	"	"	Yes	
8	Uddab Nepal	Office Assistant	97.1	"	"	"	"	"	
9	Girja Kumar Chaudhary	Office Assistant	94.6	"	"	"	"	"	
10	Rabi Kumar Rai	Heavy Driver	98.1	"	"	"	"	"	
11	Mayakant Kamat	Heavy Driver	96.7	"	"	"	"	"	
12								"	
13								"	

Annex 6 (A) Regular Health Monitoring Template at Site/Office.

Employer (PIU)

Date: 20/7/08/26

Project Name:		Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Contract No: RUDP/ICB/BRT/02							
S.No.	Staff Name	Position	Temperature	Yes/No					Remarks
				Cold	Cough	Difficulty in Breathing	Have you done hand sanitization before entering site/office	Has the person wearing mask	
1	Bharat Kumar Neupane	PM	98.0	No	No	No	Yes	Yes	
2	Prakash Narayan Chaudhary	DPM	95.7	"	"	"	"	"	
3	Punam Kumar Dahal	SDO	94.6	"	"	"	"	Yes	
4	Anil Singh	Electrical Er.	92.9	"	"	"	"	"	
5	Ghanashyam Kafley	Project Er.	96.9	"	"	"	"	"	
6	Mister KC	Account/Officer	94.9	"	"	"	"	Yes	
7	Purushottam Lamichhane	Asst/Ad	97.1	"	"	"	"	"	
8	Uddab Nepal	Office Assistant	97.9	"	"	"	"	"	
9	Girja Kumar Chaudhary	Office Assistant	96.1	"	"	"	"	"	
10	Rabi Kumar Rai	Heavy Driver	97.9	"	"	"	"	Yes	
11	Mayakant Kamat	Heavy Driver	97.8	"	"	"	"	"	
12								"	
13								"	

B. Neupane
Project Manager



Annex 6C Regular health Monitoring Template at Site/Office									
Zhongheng Construction Group International Engineering Co. Ltd.									
Date: 11-12-2020									
Project Name:		RUDP Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Contract No: RUDP/ICB/BRT/02, Biratnagar							
S.N.	Staff Name	Position	Temperature	Yes/No					Remarks
				Cold	Cough	Difficulty in breathing	Have You done hand sanitization before entering site/office	Has the person Wearing mask	
1	Manod Kumar Yadav		97.2	NO	NO	NO	Yes	Yes	
2	Susil Mahatao		96.8	NO	NO	NO	Yes	Yes	
3	Ardun Rai		96.7	NO	NO	NO	Yes	Yes	
4	Jesman Nepal		96.2	NO	NO	NO	Yes	Yes	
5	Susil Chy		96.3	NO	NO	NO	Yes	Yes	
6	Gyanendra Tamang		95.3	NO	NO	NO	Yes	Yes	
7	Dhisen Yadav		95.4	NO	NO	NO	Yes	Yes	
8	Ram Kadi		95.8	NO	NO	NO	Yes	Yes	
9	Dhrendra Yadav		95.7	NO	NO	NO	Yes	Yes	
10	Rahul Sharma		96.8	NO	NO	NO	Yes	Yes	
11	Saludin Moya		97.3	NO	NO	NO	Yes	Yes	
12	Santosh Rai		97.8	NO	NO	NO	Yes	Yes	
13	Imran Paudel		96.2	NO	NO	NO	Yes	Yes	
14	Manod Choudhary		97.8	NO	NO	NO	Yes	Yes	
15	Mina Das		96.6	NO	NO	NO	Yes	Yes	
16	Jitendra Yadav		95.6	NO	NO	NO	Yes	Yes	
17	Shresthan Yadav		95.4	NO	NO	NO	Yes	Yes	
18	Narshing Bhundari		96.4	NO	NO	NO	Yes	Yes	
19	Bachu Prasun		95.9	NO	NO	NO	Yes	Yes	
20	Kiran Chy		97.2	NO	NO	NO	Yes	Yes	
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Annex 7 Monitoring Checklist for SOP Bi-weekly Report									
Zhongheng Construction Group International Engineering Co. Ltd.									
Period: 1 December, 2020 to 15 December, 2020									
Project Name:		RUDP Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Contract No: RUDP/ICB/BRT/02, Biratnagar							
S.N.	Staff Name	Position	Temperature/ Fever	Yes/No					Remarks
				Cold	Cough	Difficulty in breathing	Have You done hand sanitization before entering site/office	Has the person Wearing mask	
1	Ravindra kumar Thakur	CM	No	No	No	No	Yes	Yes	
2	Dhirendra Yadav	Engineer	No	No	No	No	Yes	Yes	
3	Randhir Singh	Engineer	No	No	No	No	Yes	Yes	
4	Pradeep Yadav	Engineer	No	No	No	No	Yes	Yes	
5	Jibachha Sah	Engineer	No	No	No	No	Yes	Yes	
6	Dhirendra yadav jr	Engineer	No	No	No	No	Yes	Yes	
7	Aanand Rayamajhi	Engineer	No	No	No	No	Yes	Yes	
8	Rahul Kr Sharma	Sub-Engineer	No	No	No	No	Yes	Yes	
9	Sudip Chaudhary	Surveyor	No	No	No	No	Yes	Yes	
10	Sange Tamang	Sub-Engineer	No	No	No	No	Yes	Yes	
11	Ramesh Shrestha	Sub-Engineer	No	No	No	No	Yes	Yes	
12	Jitendra Yadav	Safety incharge	No	No	No	No	Yes	Yes	
13	Kiran Chaudhary	SLT	No	No	No	No	Yes	Yes	
14	Pramod shah	LT	No	No	No	No	Yes	Yes	
15	Raj kr Mukhiya	LT	No	No	No	No	Yes	Yes	
16	Bishnu Hari Khanal	Chief Accountant	No	No	No	No	Yes	Yes	
17	Jarman Nepal	Assistant Accountant	No	No	No	No	Yes	Yes	
18	Narsingh Bhandari	Vehicle incharge	No	No	No	No	Yes	Yes	
19	Madan Bhattarai	Store Keeper	No	No	No	No	Yes	Yes	
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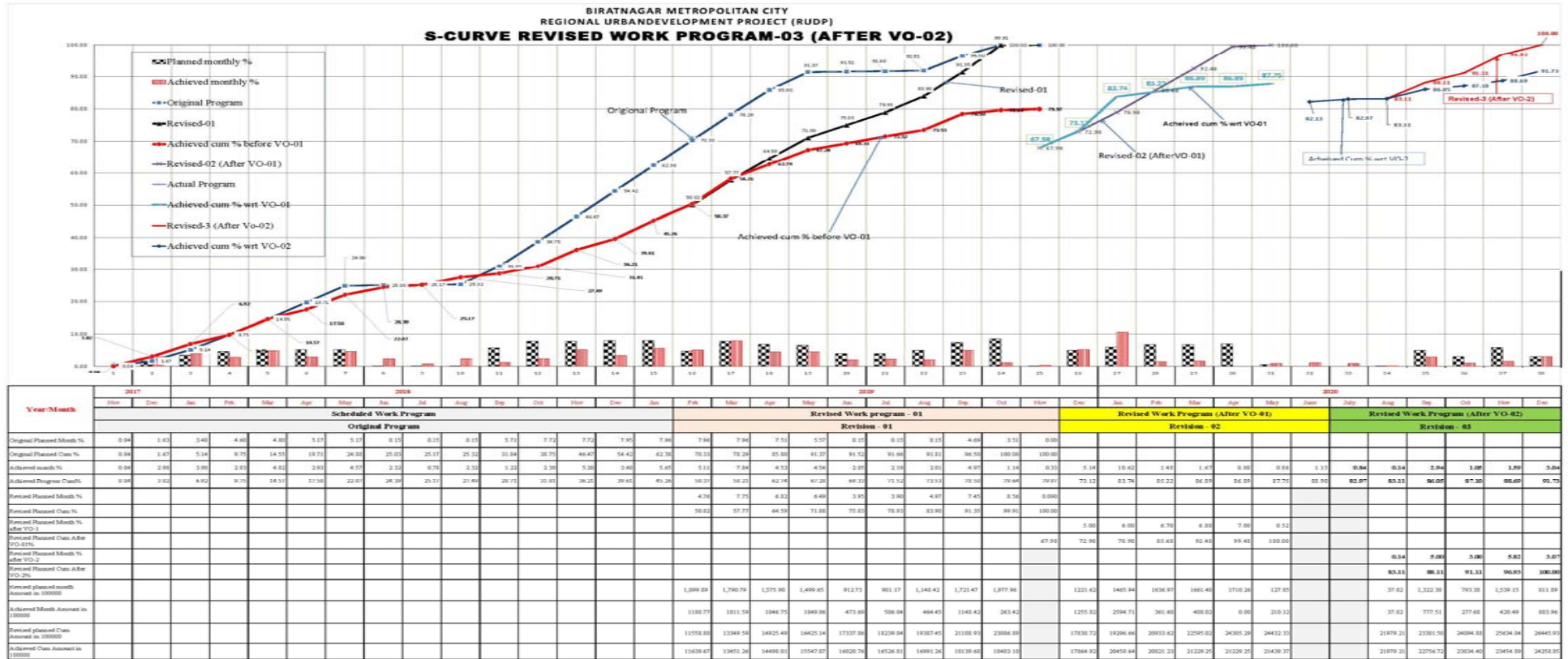
Annex 7 Monitoring Checklist for SOP Bi-weekly Report									
Zhongheng Construction Group International Engineering Co. Ltd.									
Period: 15 December,2020 to 31 December,2020									
Project Name:		RUDP Construction and Completion of sewerage, drainage, Road, Footpath and Road furniture works Contract No: RUDP/ICB/BRT/02, Biratnagar							
S.N.	Staff Name	Position	Temperature/ Fever	Yes/No					Remarks
				Cold	Cough	Difficulty in breathing	Have You done hand sanitization before entering site/office	Has the person Wearing mask	
1	Ravindra kumar Thakur	CM	No	No	No	No	Yes	Yes	
2	Dhirendra Yadav	Engineer	No	No	No	No	Yes	Yes	
3	Randhir Singh	Engineer	No	No	No	No	Yes	Yes	
4	Pradeep Yadav	Engineer	No	No	No	No	Yes	Yes	
5	Jibachha Sah	Engineer	No	No	No	No	Yes	Yes	
6	Dhirendra yadav jr	Engineer	No	No	No	No	Yes	Yes	
7	Aanand Rayamajhi	Engineer	No	No	No	No	Yes	Yes	
8	Rahul Kr Sharma	Sub-Engineer	No	No	No	No	Yes	Yes	
9	Sudip Chaudhary	Surveyor	No	No	No	No	Yes	Yes	
10	Sange Tamang	Sub-Engineer	No	No	No	No	Yes	Yes	
11	Ramesh Shrestha	Sub-Engineer	No	No	No	No	Yes	Yes	
12	Jitendra Yadav	Safety incharge	No	No	No	No	Yes	Yes	
13	Kiran Chaudhary	SLT	No	No	No	No	Yes	Yes	
14	Pramod shah	LT	No	No	No	No	Yes	Yes	
15	Raj kr Mukhiya	LT	No	No	No	No	Yes	Yes	
16	Bishnu Hari Khanal	Chief Accountant	No	No	No	No	Yes	Yes	
17	Jarman Nepal	Assistant Accountant	No	No	No	No	Yes	Yes	
18	Narsingh Bhandari	Vehicle incharge	No	No	No	No	Yes	Yes	
19	Madan Bhattarai	Store Keeper	No	No	No	No	Yes	Yes	
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ANNEX-6: S-CURVE

(ATTACHED)





ANNEX-7: MASTER PLAN OF RUDP PROJECT



