

ORIGINAL



Building Design Authority (P) Ltd

in joint Venture with

B.N. Consultancy Pvt. Ltd and

PLUSH Engineering & architects (P) Ltd Kathmandu.

Quarterly Progress Report

(Period cover: from April 2020 to June 2020)

Regional Urban Development Project (RUDP)

Project Implementation Unit

Biratnagar, Nepal



July 2020

Biratnagar Metropolitan City (BMC), Nepal

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EXECUTIVE SUMMARY

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

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

1. PROJECT DESCRIPTION

1.1. INTRODUCTION/BACKGROUND

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

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

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



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

General Features	
Name of Project	Regional Urban Development Project(RUDP)
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
Consultant	Building Design Authority (P) LTD in Joint Venture With B.N. consultancy Pvt and PLUS Engineers and Architects (P) Ltd Kathmandu.
Date of Sign of Design and Supervision Consulting Service	28th August 2017
Date of Commencement of Design and Supervision Consulting Service	6th September 2017
Date of Completion	5th September 2020
VO and EOT	VO and EOT has submitted to the employer for approved on dated 9 th June 2020
Contractor	ZHONGHENG Construction Group International Engineering Co Ltd. Beijing, China.
Date of Agreement Made	10 th October 2017
Date of Commencement	2 nd November 2017
Date of Completion (Scheduled)	1 st November 2019
Date of Completion (after EOT-1)	18 th May 2020
Date of Completion (after EOT-2)	Till 31 st July 2020 (partially approved due to lockdown)
Contract Amount including PS and VAT	NRs. 2,611,092,249.63
Contract Amount including PS and VAT (Corrected)	NRs. 2,611,088,390.60
Contract Amount including PS and VAT (after VO-1)	NRs. 2,760,853,674.59



General Features	
Additional Financing 100% funded by BMC after VO-1 (provisional items)	NRs. 39,999,893.49
Progress during April-June, 2020	after VO-1
Road Rehabilitation (Asphalt)	4.05%
Sewer Line	0.00%
Storm Drain	0.00%
Road Side Drain	0.00%
Integrated Solid Waste Management (ISWM) Design	<p>Inception Report as well as Stakeholder's Analysis, Communication Strategy and Consultation Plan for Integrated Solid Waste Management (ISWM) has already been submitted.</p> <p>Due to Socio Environment Problem, Progress of Integrated Solid Waste Management (ISWM) design has been hindered.</p>
Physical Progress during April-June, 2020	<p>With respect to Revised Work Program-02:</p> <p>Actual: 2.01%; during April-June 2020 wrt VO-01.</p> <p>“Work progress is lagging due to delay in approval of Variation Order – 2”, start of monsoon and Nationwide lockdown due to pandemic “COVID – 19”.</p> <p>Planned progress has not been addressed here because of EOT approved partially till 31st July 2020 from the concerned authorities which has been provisionally accepted by the contractor. Once EOT as recommended till 10th Jan 2021 will be accepted by the employer, the contractor would submit revised work program and s – curve along with resource planning to plan.</p>
Financial Progress during April-June, 2020 (<i>on the basis of IPC forwarded for disbursement excluding PA</i>)	<p>In Percentage: No IPC's have been recommended during the period from April to June, 2020, IPC-17 has been submitted by the contractor on 1st July, 2020 is under perusal/examination.</p>

3. SUMMARY OF PROGRESS STATUS OF ALL MAJOR COMPONENTS

S. No.	Description	Unit	Quantity VO-1	Progress till April 2020	Progress till June 2020	Progress status during Apr-Jun 2020	Progress Status expressed in (%) wrt VO-1	Remarks
1	Sewer Line							
a	HDPE/RCC	m	18,559.80	18,459.80	18,459.80	-	0.00%	
b	Manhole	No.	606.00	604.00	604.00	-	0.00%	
c	Sewer Inlet	No.	1,010.00	548.00	556.00	8.00	0.79%	
d	House Connection	No.	3,784.00	1,885.00	2,164.00	279.00	7.37%	
2	Storm Water Drain							
a	RCC Drain	m	585.00	585.00	585.00	0.00	0.00%	
b	Piles	No.	138.00	138.00	138.00	0.00	0.00%	
3	Road							
a	Sub grade	m	66,718.00	60,798.85	62,923.09	2,124.24	3.18%	
b	Sub base	m	66,718.00	60,798.85	62,756.09	1,957.24	2.93%	
c	Base	m	66,718.00	56,495.60	60,503.49	4,007.89	6.01%	
d	Prime	m	66,718.00	56,012.94	58,712.29	2,699.35	4.05%	
e	Asphalt	m	66,718.00	56,012.94	58,712.29	2,699.35	4.05%	
4	Road Side Drain	m	35,424.00	35,424.00	35,424.00	0.00	0.00%	

3.1. SUB PROJECT COMPONENTS

3.1.1. SEWER LINES

Trunk Line T1 & T2 were already completed in STIUEIP (Secondary Town Integrated Urban Environmental Improvement Project) and remaining part of sewer lines in T4 completed and T3 have been identified and necessary survey and construction works are in progress. Almost all the lines were completed except some of T3 secondary sewer lines.

Details of proposed sewer lines and progress are as illustrated below: -

Table 1: PROPOSED ALL MAJOR COMPONENTS OF THE PROJECT

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



Table: - 2 PHYSICAL PROGRESS IN SEWER LINES during April-June, 2020

SN	Description	Quantity as per VO-01		till April 2020		till June 2020		Total during Apr-Jun 2020		Progress %
		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	-	-	
HDPE Pipe:										
1	HDPE (T1)	1,743.20	54.00	1,743.20	54.00	1,743.20	54.00	-	-	
2	HDPE (T2)	3,153.40	121.00	3,153.40	121.00	3,153.40	121.00	-	-	
3	HDPE (T3)	9,643.80	340.00	9,543.80	338.00	9,543.80	338.00	-	-	
4	HDPE (T4)	2,051.90	56.00	2,051.90	56.00	2,051.90	56.00	-	-	
Subtotal in (m)		16,592.30	571.00	16,492.30	569.00	16,492.30	569.00	-	-	
Total		18,559.80	606.00	18,459.80	604.00	18,459.80	604.00	-	-	0.00%

SN	Description	Quantity as per VO-01	till April 2020	till June 2020	Total during Apr-Jun 2020	Progress %
1	Sewer inlet	1,010.00	548.00	556.00	8.00	0.79
2	House connection	3,784.00	1,885.00	2,164.00	279.00	7.37



3.1.2. STORM WATER DRAIN

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

Table: 3 PROPOSED and PHYSICAL PROGRESS in STORM WATER DRAINS during April-June, 2020.

S N	Name of Drain	Length during April-June, 2020 in m					Length of Covered Drain till date in m	Remarks
		Original	Revised after VO-1	Progress till		During April-June 2020		
				April 2020	June 2020		Type- RCC, Closed	
1	CN2-CN3 (Chyangh Baari Nala)	652.89	585.00	585.00	585.00	0.00	585.00	100% Completed
2	CN2-CN3 (Chyangh Baari Nala)	132 Nos. of piles	138 Nos. of piles	138 Nos. of piles	138 Nos. of piles	0 Nos. of piles	138.00	100% Completed

3.1.3. ROADS AND LANES

Most of the roads/lanes in Biratnagar are in a poor state due to lack of periodic maintenance, and need improvement where as some of the roads are graveled and would benefit from upgrading. In the areas where drainage and sewerage works are proposed there will be significant impact on the existing roads. The Project has considered on design based on reinstatement, rehabilitation and upgrading of existing roads length 73.86 km. Some of the roads of the project has been completed and some of them are in the process of being upgraded.

Out of 66.718 km. about 62.75 Km. has been attempted for Sub Base. About 58.71 km. Asphalt work has been completed till June 2020. The summary of physical progress during April-June, 2020 is presented below in tabular form: -

Table No:-4 PROPOSED and PHYSICAL PROGRESS of pavement works during April-June, 2020

SN	Road Number	Name of Road	Length in m			Work Completed during Apr-Jun 2020					Remarks
			Progress till		Total during Apr-Jun 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Apr 2020	Jun 2020		m	m	m	m	m	
1	R42	Bhagwati Marg	229.00	229.00	-	-	-	-	-	-	
2	R5	College Road	594.00	594.00	-	-	49.50	-	-	-	
3	R5	Chulachuli Road	196.00	196.00	-	-	-	-	-	-	
4	R5	Transprtation Line	191.60	377.20	185.60	185.60	185.60	-	-	-	
5	R65	Satghumti Marg	320.00	320.00	-	-	-	-	-	-	
6	R107		167.00	167.00	-	-	-	-	-	-	
7	R104	VIP Marg	275.00	275.00	-	-	-	-	-	-	
8	R8(R3 to Devkota)	Madhumara Marg	620.82	920.00	299.18	299.18	366.95	-	-	-	
9	B1	Kanchan Marg	1,181.10	1,181.10	-	-	75.10	-	-	-	
10	R21	Pratibha Marg	1,490.10	1,490.10	-	-	123.00	-	-	-	
11	B3	Keshaliya Marg	1,623.20	1,623.20	-	-	-	-	-	-	
12	S13										



SN	Road Number	Name of Road	Length in m			Work Completed during Apr-Jun 2020					Remarks
			Progress till		Total during Apr-Jun 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Apr 2020	Jun 2020		m	m	m	m	m	
			1,724.20	1,724.20	-	-	36.90	-	-	-	
13	R12	Brikuti to Keshaliya	844.20	844.20	-	-	-	-	-	-	
14	R12	Kanchha Dai Marg	900.00	900.00	-	-	-	-	-	-	
15	Rani site	Rani	3,725.15	3,725.15	-	-	169.55	-	-	-	
16	R16	Satya Marg	583.90	583.90	-	-	-	-	-	-	
17	R26	Pasang Marg	602.30	602.30	-	-	-	-	-	-	
18	R28	Pustakalaya Marg	606.10	606.10	-	-	-	-	-	-	
19	R27	Peepal Marg	786.60	794.70	8.10	8.10	8.10	-	-	-	
20	R25	Devi Marg	580.00	592.30	12.30	12.30	12.30	-	-	-	
21	R24	Prabhat Marg	382.90	382.90	-	-	-	-	-	-	
22	R37	Banglamukhi Marg	470.50	470.50	-	-	-	-	-	-	
23	R7	R25 to R27	152.57	152.57	-	-	-	-	-	-	
24	R7	R21 to R25	267.00	267.00	-	-	-	-	-	-	
25	R30	Shanti Marg	229.50	348.60	119.10	119.10	119.10	-	-	-	



SN	Road Number	Name of Road	Length in m			Work Completed during Apr-Jun 2020					Remarks
			Progress till		Total during Apr-Jun 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Apr 2020	Jun 2020		m	m	m	m	m	
26	R9	Fadindra Marg	119.00	119.00	-	-	-	-	-	-	
27	R9(R37 to R41)		230.00	254.60	24.60	24.60	24.60	-	-	-	
28	S11	Samrat Marg	502.60	502.60	-	-	-	-	-	-	
29	R22	Amar Marga	367.65	373.50	5.85	5.85	5.85	-	-	-	
30	R29	Shanti Marg	838.70	879.60	40.90	40.90	40.90	-	-	-	
31	R36	Gaurav Marg	221.10	221.10	-	-	-	-	-	-	
32	R33	Tarun Marg	282.50	282.50	-	-	-	-	-	-	
33	R8	R29 to N36)	225.00	226.90	1.90	1.90	1.90	-	-	-	
34	N36		184.00	184.00	-	-	-	-	-	-	
35	R188	Shakti Marg	115.10	115.10	-	-	-	-	-	-	
36	R2	Main Road	3,116.10	3,116.10	-	-	-	-	-	-	
37	T3 Line 6A	Pandit Meghnath Marg	279.00	279.30	0.30	0.30	0.30	-	-	-	
38	R63	DSP Road	424.00	424.00	-	-	-	-	-	-	



SN	Road Number	Name of Road	Length in m			Work Completed during Apr-Jun 2020					Remarks
			Progress till		Total during Apr-Jun 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Apr 2020	Jun 2020		m	m	m	m	m	
39	R90	Shakti Marg	449.30	449.30	-	-	-	-	-	-	
40	R77	Arniko Marg	87.20	87.70	0.50	0.50	0.50	-	-	-	
41	R76	Mitra Marg	270.00	275.60	5.60	5.60	5.60	-	-	-	
42	R183	Nava Jyoti Marg	217.20	217.20	-	-	-	-	-	-	
43	T1 L16B	Xenial Front	203.70	203.70	-	-	-	-	-	-	
44	T1L16A	Xenial South	165.70	165.70	-	-	-	-	-	-	
45	R114	Dharanidhar Marg	560.00	569.00	9.00	9.00	9.00	-	-	-	
46	R113	Kavi Lekh Marg	740.00	746.20	6.20	6.20	6.20	-	-	-	
47	R5	(Branch Road)	54.70	57.60	2.90	2.90	2.90	-	-	-	
48	R3	Dharamban Marg	2,254.10	2,254.10	-	-	-	-	-	-	
49	R3	T3 Family planning to DUDBC	220.00	337.00	117.00	117.00	117.00	-	-	-	
50	R84	West of school	237.00	237.00	-	-	-	-	-	-	
51	R84		93.60	248.90	155.30	155.30	155.30	-	-	-	
52	R85	Machha Line	153.80	153.80	-	-	-	-	-	-	



SN	Road Number	Name of Road	Length in m			Work Completed during Apr-Jun 2020					Remarks
			Progress till		Total during Apr-Jun 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Apr 2020	Jun 2020		m	m	m	m	m	
53	R87	Mahabir Chowk	154.00	234.20	80.20	80.20	80.20	-	-	-	
54	R86	Petrol pump side -R12	191.50	191.50	-	-	0.50	-	-	-	
55	R11	R18/R86	204.10	204.10	-	-	-	-	-	-	
56	N3	Jatuwa	122.00	122.00	-	-	-	-	-	-	
57	N4	Jatuwa R16 to R21	168.00	168.80	0.80	0.80	0.80	-	-	-	
58	R10	R35 to R76	292.00	670.80	378.80	378.80	378.80	-	-	-	
59	T2L26F	APF	55.00	55.00	-	-	-	-	-	-	
60	T2L27		75.00	75.00	-	-	-	-	-	-	
61	R122		251.00	251.00	-	-	-	-	-	-	
62	N9		220.42	222.60	2.18	2.18	2.18	-	-	-	
63	R17		373.00	374.00	1.00	1.00	1.00	-	-	-	
64	R18		387.00	387.30	0.30	0.30	0.30	-	-	-	
65	N2		105.84	117.00	11.16	11.16	11.16	-	-	-	
66	T3L6	Moti marga	158.30	158.30	-	-	-	-	-	-	



SN	Road Number	Name of Road	Length in m			Work Completed during Apr-Jun 2020					Remarks
			Progress till		Total during Apr-Jun 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Apr 2020	Jun 2020		m	m	m	m	m	
67	T3L6	CDO Office front	49.40	49.40	-	-	49.40	-	-	-	
68	R45	Bata road	505.00	510.70	5.70	5.70	5.70	-	-	-	
69	T3L21		547.00	547.00	-	-	147.00	-	-	-	
70	N5	R16 to R18	67.20	67.20	-	-	-	-	-	-	
71	T3L39		340.00	340.00	-	-	14.20	-	-	-	
72	T3L39A		89.00	138.00	49.00	49.00	49.00	-	-	-	
73	T3L39B		60.00	60.00	-	-	-	-	-	-	
74	R68	T2L24G	218.00	218.00	-	-	-	-	-	-	
75	N10		194.00	194.00	-	-	-	-	-	-	
76	T3L24C &D	Hanuman Das Road	170.00	180.00	10.00	10.00	-	-	-	-	
77	R6	N2 to R41	1,832.30	1,832.80	0.50	0.50	0.50	116.93	-	-	
78	N24		116.00	144.00	28.00	28.00	28.00	-	-	-	
79	R31		188.70	189.20	0.50	0.50	0.50	-	-	-	
80	N27	Bindabasini Marga	352.28	354.00	1.72	1.72	1.72	-	-	-	
81	R73	R2 to R5									



SN	Road Number	Name of Road	Length in m			Work Completed during Apr-Jun 2020					Remarks
			Progress till		Total during Apr-Jun 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Apr 2020	Jun 2020		m	m	m	m	m	
			217.00	217.00	-	-	-	-	-	-	
82	R6	Bata Galli (R41-R44)	269.00	269.00	-	-	-	-	-	-	
83	R9	T3Line11K	194.80	194.80	-	-	-	-	-	-	
84	R44	Thakurbari Road	727.10	727.10	-	-	247.60	247.60	-	-	
85	R102	Main	140.00	140.00	-	-	-	-	-	-	
86	R102	Branch	71.30	71.30	-	-	-	-	-	-	
87	R103		170.40	171.30	0.90	0.90	0.90	0.90	-	-	
88	R32		188.00	189.20	1.20	1.20	1.20	1.20	-	-	
89	T2L18Y		116.20	116.20	-	-	-	-	-	-	
90	R20		108.00	108.00	-	-	-	-	-	-	
91	R82	Everest School	522.80	522.80	-	-	-	-	-	-	
92	T1L5A		171.90	171.90	-	-	-	-	-	-	
93	T3L23C	North to Jay Nepal	87.00	87.00	-	-	21.80	21.80	-	-	
94	T3L25B		285.00	285.00	-	-	95.00	95.00	-	-	
95	T3L25C		140.00	140.00	-	-	-	-	-	-	



SN	Road Number	Name of Road	Length in m			Work Completed during Apr-Jun 2020					Remarks
			Progress till		Total during Apr-Jun 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Apr 2020	Jun 2020		m	m	m	m	m	
96	R3 (T3 Trunk)	Tinpaini to Sanihat	680.00	680.00	-	-	-	-	-	-	
97	Nagmandir to R3		55.00	55.00	-	-	-	-	-	-	
98	R4		760.00	760.00	-	-	-	400.00	-	-	
99	R75		137.00	137.00	-	-	-	-	-	-	
100	R43		329.40	329.40	-	-	-	-	-	-	
101	T219P		124.80	124.80	-	-	-	-	-	-	
102	T219Q		113.70	113.70	-	-	-	-	-	-	
103	R106		180.00	195.00	15.00	15.00	15.00	15.00	-	-	
104	T3L12		80.00	80.00	-	-	29.10	29.10	-	-	
105	R46		340.00	610.00	270.00	270.00	269.30	270.00	-	-	
106	T3L11E		124.55	124.55	-	-	-	-	-	-	
107	T3L13D		70.00	70.00	-	-	70.00	70.00	-	-	
108	T3L13C		100.00	102.00	2.00	2.00	2.00	2.00	-	-	
109	R34		157.00	157.40	0.40	0.40	0.40	0.40	-	-	



SN	Road Number	Name of Road	Length in m			Work Completed during Apr-Jun 2020					Remarks
			Progress till		Total during Apr-Jun 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Apr 2020	Jun 2020		m	m	m	m	m	
110	T3L13E		64.00	64.00	-	-	-	-	-	-	
111	T3L13K		76.00	76.00	-	-	0.10	0.10	-	-	
112	R19		228.00	228.00	-	-	-	-	-	-	
113	R41		540.00	540.00	-	-	-	-	-	-	
114	R9B		83.85	83.85	-	-	-	-	-	-	
115	R67		119.40	119.40	-	-	-	-	-	-	
116	R74		95.00	95.00	-	-	-	-	-	-	
117	R9A		109.00	109.00	-	-	-	-	-	-	
118	T2L19F		120.00	120.00	-	-	-	-	-	-	
119	T3L7A		190.00	190.00	-	-	-	-	-	-	
120	T3L13F		75.00	75.00	-	-	-	-	-	-	
121	T3L11M		80.00	85.00	5.00	5.00	5.00	5.00	-	-	
122	T3L33A	(N7)	135.00	135.00	-	-	-	-	-	-	
123	R35		137.00	142.50	5.50	5.50	5.50	5.50	-	-	
124	R83										



SN	Road Number	Name of Road	Length in m			Work Completed during Apr-Jun 2020					Remarks
			Progress till		Total during Apr-Jun 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Apr 2020	Jun 2020		m	m	m	m	m	
			130.00	130.00	-	-	-	-	-	-	
125	R101		130.00	130.00	-	-	-	-	-	-	
126	R105		160.00	174.00	14.00	14.00	14.00	14.00	-	-	
127	R15		192.00	194.00	2.00	2.00	2.00	2.00	-	-	
128	R181A		190.00	196.00	6.00	6.00	6.00	6.00	-	-	
129	N38		136.60	358.00	221.40	221.40	-	158.00	-	-	
130	T2L26E	Bhanu Tole	104.00	107.00	3.00	3.00	3.00	3.00	-	-	
131	T2L19G		63.00	63.00	-	-	-	63.00	-	-	
132	T3L19H		84.00	84.00	-	-	-	84.00	-	-	
133	T2L19V		90.00	90.00	-	-	-	-	-	-	
134	T2L19Y		108.00	110.00	2.00	2.00	-	110.00	-	-	
135	T2L19Z		60.00	64.00	4.00	4.00	-	64.00	-	-	
136	R110		250.00	255.00	5.00	5.00	5.00	5.00	-	-	
137	T2L18A		97.00	97.00	-	-	97.00	97.00	-	-	
138	B2		2,582.00	2,584.65	2.65	2.65	-	-	-	-	



SN	Road Number	Name of Road	Length in m			Work Completed during Apr-Jun 2020					Remarks
			Progress till		Total during Apr-Jun 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Apr 2020	Jun 2020		m	m	m	m	m	
139	R7	Sani Haat Chowk to Hospital	746.80	746.80	-	-	446.76	515.10	-	-	
140	R7	(R46-R44) Shree Hospital	155.00	155.00	-	-	-	155.00	-	-	
141	T3 Line18A	Nearby Neuro parking	79.32	79.32	-	-	-	79.32	-	-	
142	T3L21A	Milan Chowk	123.40	123.40	-	-	63.40	63.40	-	-	
143	T3L18C		103.00	103.00	-	-	-	-	-	-	
144	R39	Sansari Maisthan	160.00	160.00	-	-	-	-	-	-	
145	R40		330.60	330.60	-	-	-	-	-	-	
146	R101		260.00	260.00	-	-	-	-	-	-	
147	T3Line5	Sanihat to Nagarpalika	285.00	285.00	-	-	-	-	-	-	
148	R7	(R21 to R18)	68.00	68.00	-	-	-	-	-	-	
149	R7	(R25 to R27)	155.00	155.00	-	-	-	-	-	-	
150	R9	(R37 to R30)	219.60	219.60	-	-	-	-	-	-	
151	N8		166.90	166.90	-	-	-	-	-	-	
152	R7										



SN	Road Number	Name of Road	Length in m			Work Completed during Apr-Jun 2020					Remarks
			Progress till		Total during Apr-Jun 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Apr 2020	Jun 2020		m	m	m	m	m	
			983.00	983.00	-	-	-	-	-	-	
153	R5		110.00	110.00	-	-	-	-	-	-	
154	T2Line11N		65.00	65.00	-	-	-	-	-	-	
155	R6	Siddhartha to R46	130.00	130.00	-	-	-	-	-	-	
156	R100	(T2Line 22B)	150.00	150.00	-	-	-	-	-	-	
157	T3 Trunk Line	Devkota to Family Planning	340.00	340.00	-	-	-	-	-	-	
158	T3Line25A		302.00	302.00	-	-	-	-	-	-	
159	T3 Line23C		90.00	90.00	-	-	-	-	-	-	
160	R10		180.00	180.00	-	-	-	-	-	-	
161	T2 Line18K		76.00	76.00	-	-	-	-	-	-	
162	R47	Matrika Marga	322.00	322.00	-	(167.00)	-	-	-	-	
163	T3 Line22	Devkota chowk to NRB	190.00	190.00	-	-	-	-	-	-	
164	R26	East of R3	324.00	324.00	-	-	-	-	-	-	
165	R27	East of R3	186.00	186.00	-	-	-	-	-	-	
166	N33	Parichaya									



SN	Road Number	Name of Road	Length in m			Work Completed during Apr-Jun 2020					Remarks
			Progress till		Total during Apr-Jun 2020	Sub-base	Base	Asphalt	RCC	Paint	
			Apr 2020	Jun 2020		m	m	m	m	m	
		Marga	194.50	194.50	-	-	-	-	-	-	
167	T3Line10C	Green cross Line	100.00	100.00	-	-	-	-	-	-	
168	N23		75.00	75.00	-	-	-	-	-	-	
169	R10		181.00	181.00	-	-	-	-	-	-	
170	R15		340.00	340.00	-	-	-	-	-	-	
171	T3 Trunk	DUDBC off to Sanihat	231.70	231.70	-	-	-	-	-	-	
172	R16	East of Dharambandh	218.10	218.10	-	-	-	-	-	-	
173	T3Line10	Green cross Line	184.20	184.20	-	-	93.50	-	-	-	
174	T2Line19B		148.00	148.00	-	-	-	-	-	-	
175	T3Line13C	Kumari Mill Line	229.30	229.30	-	-	-	-	-	-	
176	T2Line22A	Indreni Marga	382.00	382.00	-	-	0.22	-	-	-	
177	T2Line19W	Near Parichaya Marga	58.80	58.80	-	-	-	-	-	-	
178	R23		227.00	227.00	-	-	227.00	-	-	-	
	Total		60,798.85	62,923.09	2,124.24	1,957.24	4,007.89	2,699.35	-	-	



Table No:-4.1Footpath (Work Progress during April-June, 2020)

SN	Road Number	Type*	Progress till in m		Footpath during Apr-Jun 2020			Remarks
			April 2020	June 2020	Length (m)	Avg. Breadth (m)	Quantity (m ²)	
1	R2	Precast block	902.00	902.00	-	1.10	-	RHS
2	R2	Precast block	602.00	602.00	-	1.10	-	LHS
3	R29	Precast block	330.00	330.00	-	0.90	-	RHS
4	R29	Precast block	330.00	330.00	-	0.90	-	LHS
5	R28	Precast block	322.00	322.00	-	0.90	-	RHS
6	R28	Precast block	335.00	335.00	-	0.90	-	LHS
7	R28	Precast block	341.00	341.00	-	0.90	-	RHS
8	R21	Precast block	365.00	365.00	-	1.00	-	RHS
9	R21	Precast block	765.00	765.00	-	1.00	-	LHS
10	R78	Precast block	75.00	75.00	-	1.20	-	RHS
11	R78	Precast block	75.00	75.00	-	1.20	-	LHS
12	R77	Precast block	115.00	115.00	-	0.90	-	RHS
13	R77	Precast block	115.00	115.00	-	0.90	-	LHS
14	R76	Precast block	275.00	275.00	-	0.95	-	RHS
15	R76	Precast block	275.00	275.00	-	0.95	-	LHS
16	R75	Precast block	160.00	160.00	-	0.95	-	RHS
17	R75	Precast block	160.00	160.00	-	0.95	-	LHS



SN	Road Number	Type*	Progress till in m		Footpath during Apr-Jun 2020			Remarks
			April 2020	June 2020	Length (m)	Avg. Breadth (m)	Quantity (m ²)	
18	R10	Precast block	700.00	700.00	-	0.95	-	RHS
19	R10	Precast block	700.00	700.00	-	0.95	-	LHS
20	R31	Precast block	175.00	175.00	-	0.95	-	RHS
21	R31	Precast block	175.00	175.00	-	0.95	-	LHS
22	R32	Precast block	185.00	185.00	-	0.30	-	RHS
23	R32	Precast block	185.00	185.00	-	0.30	-	LHS
24	R33	Precast block	285.00	285.00	-	0.90	-	RHS
25	R33	Precast block	170.00	170.00	-	0.90	-	LHS
26	R16	Precast block	170.00	170.00	-	1.20	-	RHS
27	R16	Precast block	170.00	170.00	-	1.20	-	LHS
28	R6	Precast block	700.00	700.00	-	1.20	-	RHS
29	R6	Precast block	700.00	700.00	-	1.20	-	LHS
30	B1	Precast block	490.00	490.00	-	1.20	-	RHS
31	B1	Precast block	490.00	490.00	-	3.40	-	LHS
32	B2 (2)	Precast block	715.00	715.00	-	0.59	-	RHS
33	B2 (2)	Precast block	715.00	715.00	-	1.65	-	LHS
34	B2 (1)	Precast block	131.00	131.00	-	2.60	-	RHS
35	B2 (1)	Precast block	131.00	131.00	-	0.90	-	LHS



SN	Road Number	Type*	Progress till in m		Footpath during Apr-Jun 2020			Remarks
			April 2020	June 2020	Length (m)	Avg. Breadth (m)	Quantity (m ²)	
36	B3	Precast block	1,160.00	1,160.00	-	0.70	-	RHS
37	B3	Precast block	670.00	670.00	-	0.70	-	LHS
38	S11	Precast block	112.00	112.00	-	0.95	-	RHS
39	S11	Precast block	75.00	75.00	-	1.21	-	LHS
40	Rani	Precast block	425.00	425.00	-	1.00	-	RHS
41	Rani	Precast block	425.00	425.00	-	1.00	-	LHS
42	R3	Precast block	310.00	310.00	-	1.10	-	RHS
43	R3	Precast block	1,050.00	1,050.00	-	1.10	-	LHS
44	R27	Precast block	400.00	400.00	-	1.10	-	RHS
45	R27	Precast block	400.00	400.00	-	0.85	-	LHS
46	R26	Precast block	300.00	300.00	-	1.23	-	RHS
47	R26	Precast block	285.00	285.00	-	1.10	-	LHS
48	R25	Precast block	205.00	205.00	-	1.00	-	RHS
49	R25	Precast block	201.00	201.00	-	1.00	-	LHS
Total =			18,547.00	18,547.00	-		-	



Table No:-4.2 Road improvement Works (Work Progress during April-June, 2020)

SN	Description	Unit	Quantity as per VO-01	Total Up to Apr 2020	Total Up to Jun 2020	Total During Apr-Jun 2020	Progress
1	Subgrade	m	66,718.00	60,798.85	62,923.09	2,124.24	3.18%
2	Sub Base	m	66,718.00	60,798.85	62,756.09	1,957.24	2.93%
3	Base	m	66,718.00	56,495.60	60,503.49	4,007.89	6.01%
4	Prime/Tack	m	66,718.00	56,012.94	58,712.29	2,699.35	4.05%
5	Asphalt	m	66,718.00	56,012.94	58,712.29	2,699.35	4.05%
6	Paint	m	66,718.00	18,395.30	18,395.30	-	0.00%

3.1.4. ROAD SIDE DRAIN

Most of the roads under this project for upgrading is without drain or existing drain are in poor condition, on instruction from the employer at various stretches the construction works were ongoing and some of them have been completed. The project has provisioned drain at either sides or one side as per available RoW of the road. The contractor has already started drain works at many locations and completed as illustrated below. The progress for the drain works during Apr-Jun 2020 is listed below:

Table No:-4a PROPOSED and PHYSICAL PROGRESS of Road side drain works during April-June, 2020.

SN	Road Number	Name of Road	Length in (m)			Work Completed during Apr-Jun 2020		Remarks
			Progress till		Total during Apr-Jun 2020	Brick	RCC	
			April 2020	June 2020		m	m	
1	B1	Kanchan Marg	45.00	45.00	-	-		
2	R29	Shanti Marg	256.52	256.52	-	-		
3	N36		185.88	185.88	-	-		
4	R8		219.83	219.83	-	-		
5	R7	Devi Marg and Pipal Marg	89.76	89.76	-	-		
6	R63	DSP Road	418.79	418.79	-	-		
7	R9	Baglamukhi path	103.20	103.20	-	-		
8	S13	Udaya Marga	79.05	79.05	-	-		
9	N33		60.00	60.00	-	-		
10	R28	Pustakalaya Marg	139.00	139.00	-	-		
11	R90	Shakti Marg	377.30	377.30	-	-		
12	R114	Dharanidhar Marg	312.32	312.32	-	-		
13	R11	Om Shiv Marg	204.25	204.25	-	-		
14	R18		389.50	389.50	-	-		
15	R17		372.00	372.00	-	-		
16	R113	Kavi Lekhnath Marg	157.15	157.15	-	-		
17	R77	Arniko Marg	80.00	80.00	-	-		
18	R76	Mitra Marg	270.00	270.00	-	-		



SN	Road Number	Name of Road	Length in (m)			Work Completed during Apr-Jun 2020		Remarks
			Progress till		Total during Apr-Jun 2020	Brick	RCC	
			April 2020	June 2020		m	m	
19	N9	Devi Marga	222.58	222.58	-	-		
20	N4		162.20	162.20	-	-		
21	R33	Tarun Marg	283.15	283.15	-	-		
22	R36	Gaurav Marg	221.80	221.80	-	-		
23	R86	Janpath Marg	192.15	192.15	-	-		
24	R183	Nava Jyoti Marg	219.40	219.40	-	-		
25	R7a		67.35	67.35	-	-		
26	Rani site	Rani B	365.33	365.33	-	-		
27	Rani site	Rani A	271.50	271.50	-	-		
28	N3		126.25	126.25	-	-		
29	N5		65.00	65.00	-	-		
30	R21	Binayak Marga	194.13	194.13	-	-		
31	R2	Main Road	2,793.50	2,793.50	-	-		
32	T1L16B	Xenial Front	205.68	205.68	-	-		
33	T1L16A	Xenial South	160.74	160.74	-	-		
34	R75	Tintoliya Marga	143.00	143.00	-	-		
35	R122	Amar Marga	256.00	256.00	-	-		
36	R18 Branch		30.00	30.00	-	-		
37	R7(b)(Neuro to sidhartha chowk)	Siddhartha Marga	365.00	365.00	-	-		
38	R12	Sukra Path	846.50	846.50	-	-		
39	R42	Jahada Marga	85.50	85.50	-	-		
40	R6	Shahi Marg	970.00	970.00	-	-		
41	R21(a)	DharamBadh Junction	95.00	95.00	-	-		
42	R188	Shakti Marg	115.60	115.60	-	-		



SN	Road Number	Name of Road	Length in (m)			Work Completed during Apr-Jun 2020		Remarks
			Progress till		Total during Apr-Jun 2020	Brick	RCC	
			April 2020	June 2020		m	m	
43	R40	Brahma Kumari Marga	328.20	328.20	-	-		
44	Rani Site C		97.50	97.50	-	-		
45	Ranit Site D		131.45	131.45	-	-		
46	T3L21	Moti Marga	527.00	527.00	-	-		
47	T3L39	Gaheli Marga	340.00	340.00	-	-		
48	T3 Line 39A		139.00	139.00	-	-		
49	T3 L39B		58.50	58.50	-	-		
50	T2L27	Bhumi Prashasan Junction	79.50	79.50	-	-		
51	N2		103.20	103.20	-	-		
52	T2 Line 26E	College Road	90.00	90.00	-	-		
53	T2 Line 18C	Maisthan Marga	102.00	102.00	-	-		
54	T2Line 18A	Makalu Marga	90.00	90.00	-	-		
55	R6 (T3L11i)		265.00	265.00	-	-		
56	R9 (T3L11k)	Tathasthu Marga	180.00	180.00	-	-		
57	R45 (T3Line10D)	Dadhiram Marga	298.00	298.00	-	-		
58	R9, T2 L19	Fanindra Marga and Banglamukhi Marga	362.00	362.00	-	-		
59	R7c (Neuro to Shanti Chowk)	Siddhartha Marga	600.00	600.00	-	-		
60	R84	School Marga and Tenjing Marga	560.00	560.00	-	-		
61	R85	Lekhanath Marga	150.00	150.00	-	-		
62	R87	Byas Marga	150.00	150.00	-	-		
63	Rani B (Bus park)		90.00	90.00	-	-		
64	R8(a)	Madhumara Marg	312.00	312.00	-	-		
65	T3L23A, R101				-	-		



SN	Road Number	Name of Road	Length in (m)			Work Completed during Apr-Jun 2020		Remarks
			Progress till		Total during Apr-Jun 2020	Brick	RCC	
			April 2020	June 2020		m	m	
			220.00	220.00				
66	Rani E		80.00	80.00	-	-		
67	R102	Hamro Marg	140.00	140.00	-	-		
68	R10/R10a	Ram Marga	740.36	740.36	-	-		
69	N10	APF	193.00	193.00	-	-		
70	R23	Bani Marg	200.00	200.00	-	-		
71	R103	Vibuti Marga	170.00	170.00	-	-		
72	T3L6 and T3L7	Sahid Marga	730.00	730.00	-	-		
73	P1, T3L6A	Pandit Meghnath Marga	260.00	260.00	-	-		
74	T2 L24C & D	Hanuman Das Marga	180.00	180.00	-	-		
75	T2 L25 (R5)	Chulachuli Marga	200.00	200.00	-	-		
76	R20		108.00	108.00	-	-		
77	T2L24F		115.50	115.50	-	-		
78	R105		86.00	86.00	-	-		
79	R34	Prabhu Marg	158.35	158.35	-	-		
80	R35	Garima Marg	140.00	140.00	-	-		
81	R107		160.00	160.00	-	-		
82	T3L13D		70.63	70.63	-	-		
83	T3L13E		62.40	62.40	-	-		
84	T3L11E		110.00	110.00	-	-		
85	B2		210.00	210.00	-	-		
86	R78		35.00	35.00	-	-		
87	T3L21B		70.00	70.00	-	-		
88	T3L21A		50.00	50.00	-	-		
89	R74		96.00	96.00	-	-		



SN	Road Number	Name of Road	Length in (m)			Work Completed during Apr-Jun 2020		Remarks
			Progress till		Total during Apr-Jun 2020	Brick	RCC	
			April 2020	June 2020		m	m	
90	R46, (T3L7 and T3L22)	Rangeli Road	400.00	400.00	-	-		
91	T3L7A		125.00	125.00	-	-		
92	T3L8		75.00	75.00	-	-		
93	R5, (T2 L24)	Gudari Marga	274.00	274.00	-	-		
94	R82		190.00	190.00	-	-		
95	T1L13A		100.00	100.00	-	-		
96	T1L14A		150.00	150.00	-	-		
97	R68		200.00	200.00	-	-		
98	T3L22A		335.00	335.00	-	-		
99	T3L22B		120.00	120.00	-	-		
100	T3L25C		130.00	130.00	-	-		
101	T3L11B		71.00	71.00	-	-		
102	T3L11M		82.00	82.00	-	-		
103	R106		70.00	70.00	-	-		
104	R41		520.00	520.00	-	-		
105	T2L19B		130.00	130.00	-	-		
106	R30		180.00	180.00	-	-		
107	T3L13C		300.00	300.00	-	-		
108	T3L13J		72.53	72.53	-	-		
109	T2L18Y		100.00	100.00	-	-		
110	T2L19P		114.38	114.38	-	-		
111	T2L19Q		126.55	126.55	-	-		
112	R9A		109.30	109.30	-	-		
113	R9B		85.00	85.00	-	-		
114	T2L18K		74.70	74.70	-	-		



SN	Road Number	Name of Road	Length in (m)			Work Completed during Apr-Jun 2020		Remarks
			Progress till		Total during Apr-Jun 2020	Brick	RCC	
			April 2020	June 2020		m	m	
115	T3L23C		105.00	105.00	-	-		
116	T2L24E	Mahabir Marga	216.00	216.00	-	-		
117	R44		700.00	700.00	-	-		
118	R110		250.00	250.00	-	-		
119	Parichaya Marga		190.00	190.00	-	-		
120	T3L25B		195.00	195.00	-	-		
121	T1L5, 5A		590.00	590.00	-	-		
122	T2L19Y		150.00	150.00	-	-		
123	T3 Trunk		1,555.08	1,555.08	-	-		
124	T2L19F		118.00	118.00	-	-		
125	T2L18D		75.00	75.00	-	-		
126	R19		226.00	226.00	-	-		
127	R83	Shiva Marga	125.00	125.00	-	-		
128	T3L10B, T3L7D (R46)	Rangeli Road	400.00	400.00	-	-		
129	T2L19G		60.00	60.00	-	-		
130	R4 (T2 Trunk)	Jatuwa Marga	380.00	380.00	-	-		
131	T3L25B, Outlet	Madhumara	96.00	96.00	-	-		
132	T3L7B	Matrika Marga	150.00	150.00	-	-		
133	T3L5	Sanihat Marga	210.00	210.00	-	-		
134	T2L19H		85.00	85.00	-	-		
135	R181		193.00	193.00	-	-		
136	N38		200.00	200.00	-	-		
137	T3L10C	Paurakh Marga	110.00	110.00	-	-		
138	T3L10F		135.00	135.00	-		-	
139	T3L10, R6		340.00	340.00	-	-		



SN	Road Number	Name of Road	Length in (m)			Work Completed during Apr-Jun 2020		Remarks
			Progress till		Total during Apr-Jun 2020	Brick	RCC	
			April 2020	June 2020		m	m	
140	R47 (T3L10A)	Matrika Marga	150.00	150.00	-	-		
141	R12	Kanchhadai Marga	475.00	475.00	-	-		
142	R8 (b)	Sahayogi Marga	65.00	65.00	-	-		
143	T1L7A	Piyush Marga	70.00	70.00	-	-		
144	T1L7B		-	-	-	-		
145	T1L7C		-	-	-	-		
146	T1L8C		-	-	-	-		
147	R39	Maisthan Marga	100.00	100.00	-	-		
148	N7	Amar Marga	130.00	130.00	-	-		
149	N8	Amar Marga	160.00	160.00	-	-		
150	R26	Amar Marga	290.00	290.00	-	-		
151	T3L25A	Bhakti Marga	260.00	260.00	-	-		
152	R16, T3L36	Satya Marga	200.00	200.00	-	-		
153	R17, T3L35		100.00	100.00	-	-		
154	T3L20	Janani Marga	200.00	200.00	-	-		
155	N34, T3L31A		80.00	80.00	-	-		
156	T2L19W	Bhugol Marga	50.00	50.00	-	-		
157	T2L19V	Bhugol Marga	90.00	90.00	-	-		
158	T1L8B	School Marga	115.00	115.00	-	-		
159	T2L19K	Sundar Marga	45.00	45.00				
160	T2L19o		-	-				
Total =			35,424.00	35,424.00	-	-	-	



3.2. ENVIRONMENTAL ASPECT

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

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

3.2.1. BORROW/ QUARRY SITES

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

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

3.2.2. DISPOSAL OF SPOIL AND CONSTRUCTION WASTE

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

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

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

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

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



3.2.3. PROVISION AND MAINTENANCE OF TOILETS

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

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

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

3.2.4. CRUSHING PLANTS

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

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

3.2.5. ASPHALT PLANTS AND BATCHING PLANTS

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

As the concrete quantity of the project is very minimal, there is no need of the separate batch plant for concrete mixing. However, as there are a lot of asphalt concrete works to be done in the project, a separate asphalt plant has been installed, especially for the project, at about 6 Km south of the Biratnagar DSC office at a place called Rani.

3.2.6. OCCUPATIONAL HEALTH AND SAFETY MEASURES

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

The 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.

3.3. SOCIAL ASPECT

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

3.4. SAFEGUARD/ GESI COMPONENT

3.4.1. COMMUNITY AWARENESS:

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

3.4.2. GRIEVANCE REDRESSES MECHANISM:

Although many grievances are received verbally and written, all total 55 grievances have been registered formally up to this reporting period, among them, 10 grievances are registered in GRC desk, 27 grievances are listed in register and 18 are written. Similarly, 122 grievances are received through telephone. Received all grievances have immediately been addressed and solved. Received grievances are tabled in Social Safeguard desk, SD discussed over different grievances and social and environmental agendas to immediate mitigate of public complains. Total 15 no. of SD meeting has held up to this reporting period. Project manager has chaired the meeting. GRC meeting has held as per need and mayor has chaired the meeting. Registered grievances are presented in an annex-4 and the GRC composition is presented in the table-2 of Semi Annual report of Social safeguard monitoring. ***Refer Semi Annual report of Social safeguard monitoring for details.***



3.4.3. GENDER EQUITY AND SOCIAL INCLUSION (GESI):

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

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

3.4.4. STATUS OF SOCIAL AND ENVIRONMENTAL SAFEGUARD MEASURES

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

During the site visit for Socio Environment monitoring by DSC Environmental and Social Safeguard Expert on 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. Wakening us about to maintain distancing, wash hand frequently, how to stay at camp, to use sanitizer and wear mask to protect yourself, as easing of lockdown in phases.

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



3.4.5. STATUS OF RELOCATION OF SERVICES

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

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

Table – 5: Status of Labor at Site (June 2020)

Labour class	Labour		Composition		Ethnic composition				
	Skilled	Unskilled	Male	Female	Janjati	Dalit	Muslim	Madhesi	Brahmin/Chhetri
Local	13	24	34	3	16	13	0	8	0
Non local	3	9	12	0	1	6	0	5	0
Indian	0	0	0	0	0	0	0	0	0
TOTAL	16	33	46	3	17	19	0	13	0



3.5. FINANCIAL PLAN

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

3.5.1. DISBURSEMENT RECORDS IN CONSTRUCTION

Note: No IPC's have been recommended during the period from April to June, 2020, IPC-17 submitted by the contractor on 1st July, 2020 which is under perusal / examination.



4. OBJECTIVES AND SCOPE OF WORKS

4.1. OBJECTIVES

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

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

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

4.2. SCOPE OF WORKS

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

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

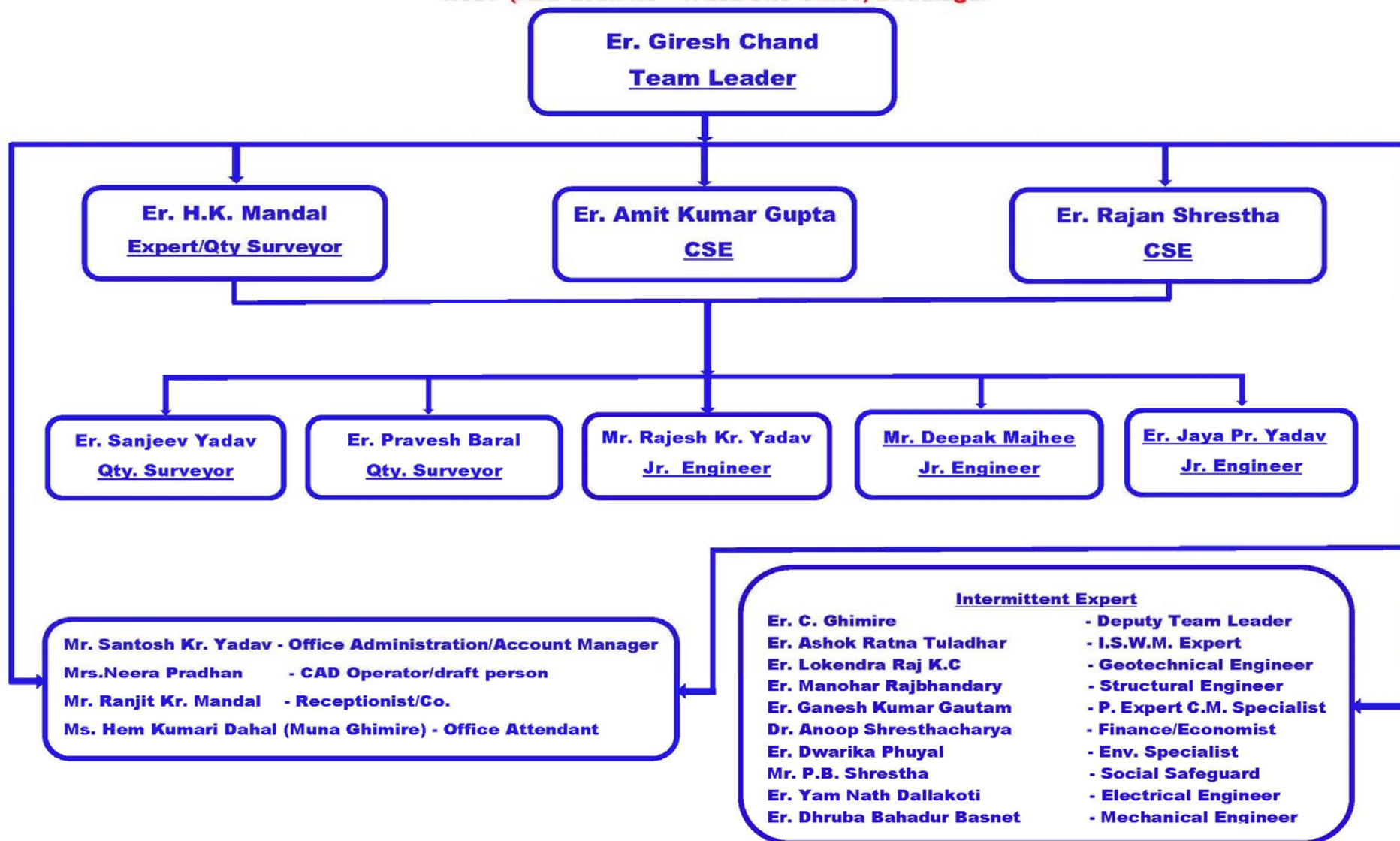
4.3. ORGANIZATION AND STAFFING

Attached



ORGANIZATION CHART

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



4.4. CONSULTANT'S ACTIVITIES IN CONSTRUCTION PHASE

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

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

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

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

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

5. PROGRESS OF SUB – PROJECT COMPONENTS

5.1. CONSTRUCTION MATERIALS.

Before using any construction material in the project, as per clause 7.3, engineer gave prior notice to contractor for joint inspection of the construction materials and all materials have been jointly checked and verified. Team leader issued letter to contractor to do the lab test of the construction materials from the authorized organizations and lab reports of the tested materials have been submitted by contractor. Engineer has emphasized on the production of the pre-cast item like (Kerb stone, drain cover slab, manhole etc.) for better work progress of the project. The Contractor has established three production yards at Koshi project, Madhumara and Judi contractor camp for pre-cast items like Kerb stone, drain cover slab, sewer precast elements, etc. but as more than 88% work done so that the production yard at Koshi project has been stopped and production at others yard are going on.

The Contractor has informed to borrow RCC NP-3 pipes from Itahari Hume pipe factory or other location and also requested for three Edge bearing test. It has been tested in presence of consultant TL, PIU and contractor representative.

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



Month	Target This Month		Achievement This Month		Leading		Lagging		Remarks
	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	Monthly	Accumulated	
July-19	3.90%	78.93%	2.19%	71.52%				-7.41%	Lagging
August-19	4.97%	83.90%	2.01%	73.53%				-10.37%	Lagging
September-19	7.45%	91.35%	4.97%	78.50%	NA	NA	-2.48%	-12.85%	Lagging
October-19	8.56%	99.91%	1.14%	79.64%	NA	NA	-7.42%	-20.27%	Lagging
November-19	0.09%	100.00%	0.33%	79.97%	0.24%	NA	NA	-20.03%	Lagging
December-2019 (after Revision-2)	5.00%	72.98%	5.14%	73.12%	0.14%	0.14%	NA	NA	Leading
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%					

5.3. KEYEVENTS

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

Table 8: KEY DATES of EVENTS / ACTIVITIES

S. No.	Date	Activities/Events	Remarks
1		Frequent visit of sites by the representatives of the employer.	
2		<ul style="list-style-type: none"> No work due to nationwide lockdown. Looking forward for pass/permit. 	No work due to nationwide lockdown. Looking forward for pass/permit.
3	29th May, 2020	<ul style="list-style-type: none"> Greetings and warm welcome of new CAO, Mr. Indra Mani Pokharel at PIU and perform healthy discussion on work progress and current situation. About how to manage the site & 	



S. No.	Date	Activities/Events	Remarks
		resources in lockdown due to pandemic COVID-19. About to make available of sufficient pass/permit, etc. <ul style="list-style-type: none">• Conferred about the awareness and training on COVID-19, regarding maintain physical distancing, frequently hand washing, use of PPE (masks, gloves, etc.).	
4		<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.	Frequent discussion and compliances

Note:

- The contractor requested for cost claim under various categories like idle manpower, idle equipment, interest on delay payment, works hampered due to events occurred during various Banda, site possession not available on time and disputes of right of way pursue to clause 2.1, 8.4, 14.8 and 20.1 of GCC/PCC and those are under perusal. The contractor further claimed for the time and cost on assumption that as the work progress is negligible wrt planned one due to lockdown which didn't ease yet and to come everything in normal condition takes time, also shows his dissatisfaction on approval of EOT-02 and delayed on VO-2 approval.
- Physical progresses are lagging due to lockdown, unviability of sufficient pass/permit, stocks of materials and rainy season, etc. so that we focus mainly on maintenance works which minimize the risks of waterlogging and facilitate the traffic movement in improved approaches. Also help to finish the incomplete works.
- EOT and VO of the consultant submitted to the employer on 9th June, 2020 to peruse and further action toward approval from the concerned authorities.



6. DETAILS OF PRE CAST ACTIVITIES.

Table 9: PHYSICAL PROGRESS in PRODUCTION OF PRECAST ITEMS during Apr-June, 2020

Physical Progress till date							
S.N.	Description	Unit	Progress			Total during Apr-June 2020	Remarks
			BoQ	Till April 2020	Till June 2020		
1	Precast Slab	No		87,951.00	87,951.00	0.00	Under progress
2	Kerb Stone	Rm	147,729.68	101,210.80	101,210.80	0.00	0.00%

Table 10: PHYSICAL PROGRESS in PRODUCTION/PURCHASE OF RCC Hume Pipe at Itahari during Apr-June, 2020,

Physical Progress till date							
S.N.	Description	Diameter (mm)	Progress			Total during Apr-June 2020	Remarks
			BoQ (RM)	Till April 2020	Till June 2020		
1	RCC Pipe	300	336.00	336.00	336.00	0.00	
2	RCC Pipe	450	681.00	681.00	681.00	0.00	
3	RCC Pipe	500	842.00	842.00	842.00	0.00	
4	RCC Pipe	600	382.00	382.00	382.00	0.00	

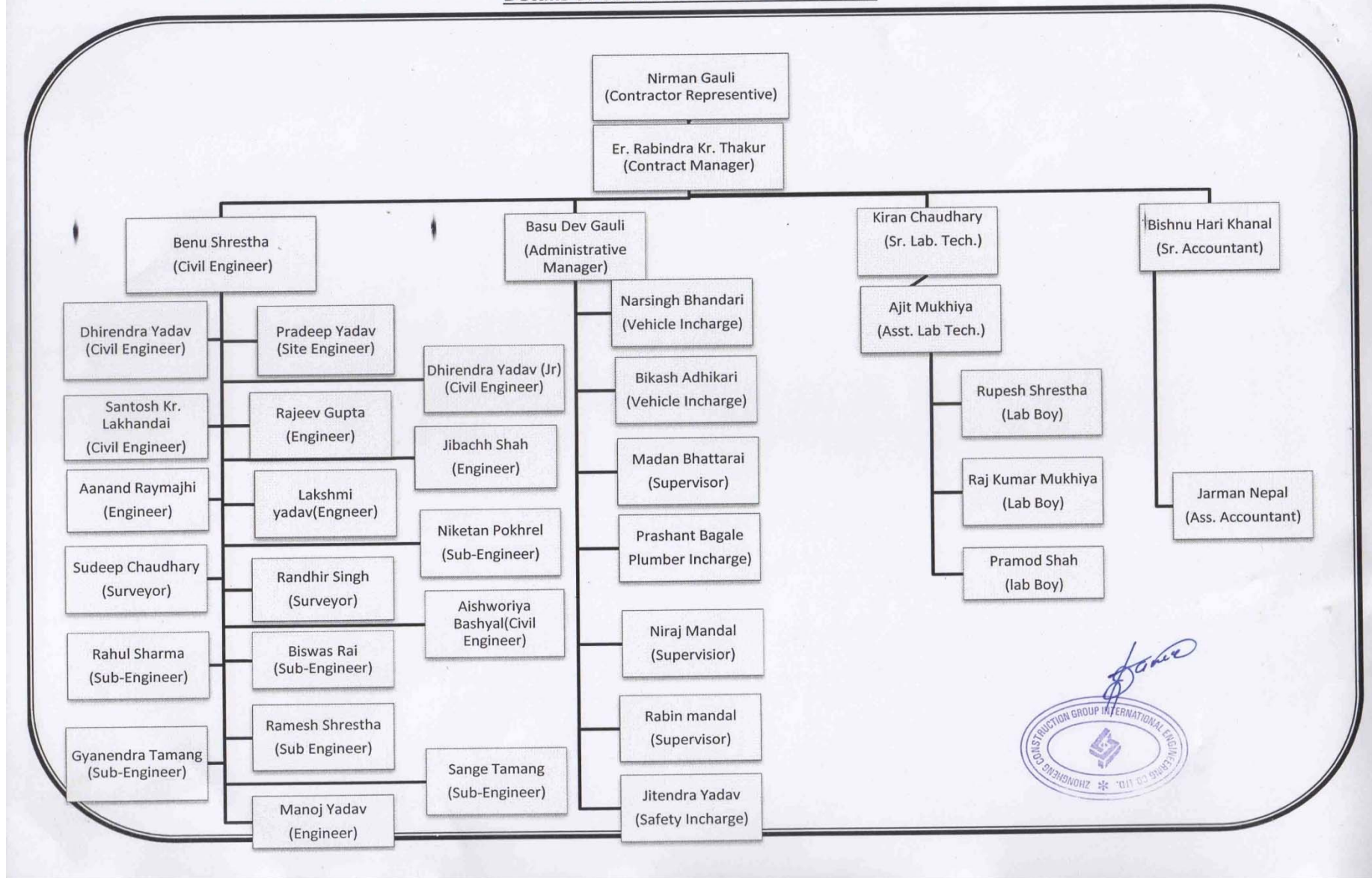
Table 11: PHYSICAL PROGRESS in PRODUCTION/PURCHASE OF HDPE Pipe during Apr-June, 2020.

Physical Progress till date							
S.N.	Description	Diameter (mm)	Progress			Total during Apr-June 2020	Remarks
			BoQ (RM)	Till April 2020	Till June 2020		
1	HDPE Pipe	110.00	1,987.20	4,487.20	4,487.20	0.00	
2	HDPE Pipe	200.00	16,656.00	16,500.00	16,500.00	0.00	
3	HDPE Pipe	250.00	115.00	450.00	450.00	0.00	

Table 12: PHYSICAL PROGRESS in PRODUCTION/PURCHASE OF UPVC Pipe during Apr-June, 2020.

Physical Progress till date							
S.N.	Description	Diameter (mm)	Progress			Total during Apr-June 2020	Remarks
			BoQ (RM)	Till April 2020	Till June 2020		
1	UPVC Pipe	160.00	5,050.00	5,050.00	5,050.00	0.00	
2	UPVC Pipe	110.00	5,050.00	5,050.00	5,050.00	0.00	

Details of Contractor's Site Personnel's



7. CONTRACTOR'S MANPOWER

Table 13: CONTRACTOR'S KEY STAFFS for June, 2020

S. No.	Position	Minimum Number Required as per Contract	ZHONGHENG CONSTRUCTION Group	Remarks
1	Project/Contract Manager (1 No) 15/10 Yrs. (Total/Similar Exp.)	1	1	
2	Civil Engineer-10/6	2	2	
3	Sanitary Engineer- (1no.)-12/8	1	-	
4	Road Engineer-(1no.)-12/8	1	1	
5	Electromechanical Engineer-(1no)- 10/5	1	-	
6	Safety Engineer	-	1	
7	Site Engineer	-	8	
8	Sub- Engineer	-	6	
9	Accountant	-	2	
10	Lab Technician	-	5	
11	Store Keeper	-	1	
12	Vehicle In charge	-	2	
13	Skilled Labors		16	
14	Unskilled Labors		33	

Note: Reports of each and every month are attached in MPR for particular month.



8. CONTRACTOR'S EQUIPMENT

Table 14: CONTRACTOR'S EQUIPMENT

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



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

9. WORK PLAN FOR THE NEXT MONTH's from April to June, 2020

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

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



ANNEX-1: Photographs of April - June, 2020

(The photographs are attached in each MPR separately however some of them are attached in this report for references)





DSC office, safety measures for COVID-19



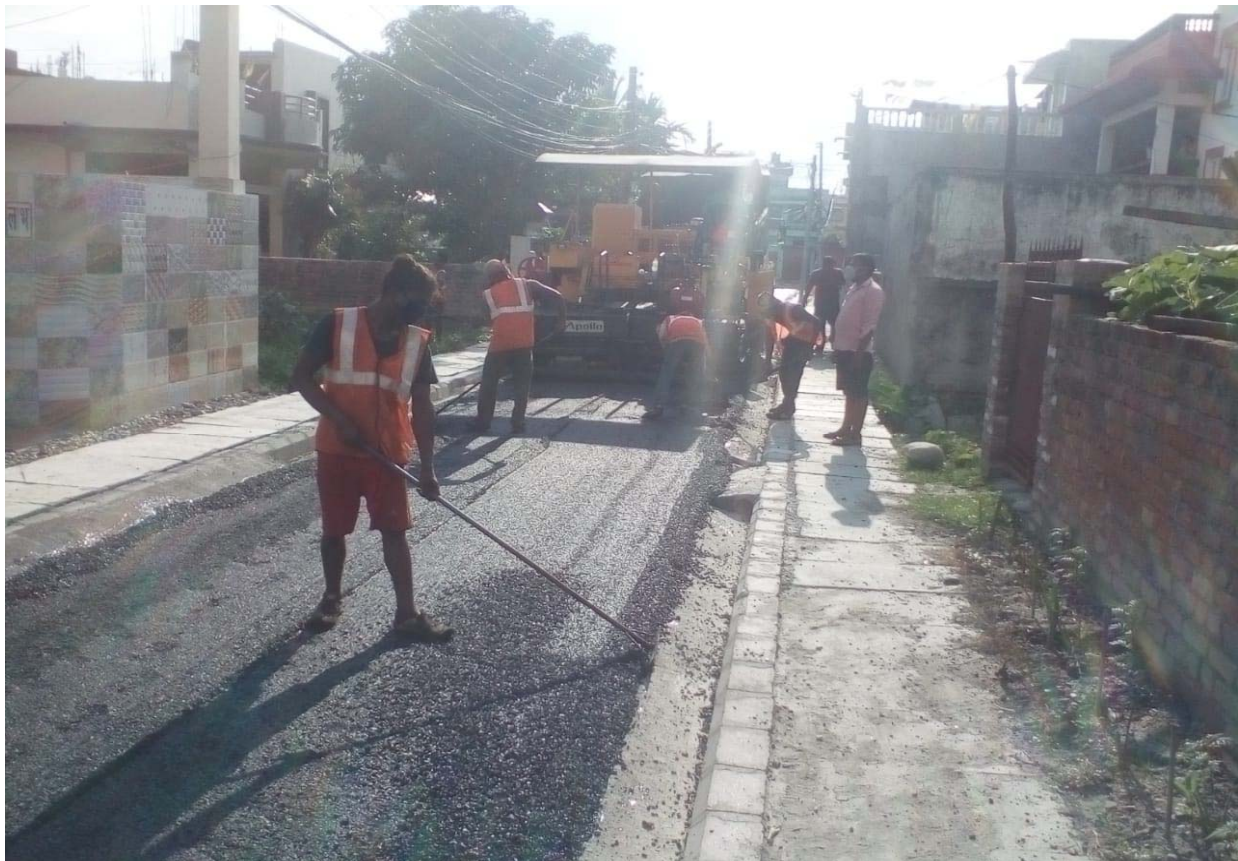
DSC office, First AID box & safety tools



Drain cleansing at Sri Hospital road – at Junction of T3Line9 & T3Line10



Brooming work at T3 Trunk



Asphalt laying at T2L18A



Precast element's casting at Contractor's yard

ANNEX-2: Minutes of Meeting April - June, 2020
(The minutes of meetings are attached in every MPR for references)



ANNEX-3: Laboratory Test Results of April - June,
2020

(Lab reports are attached in MPR, refer those separately for each month)



ANNEX-4: SOCIAL & ENVIRONMENT SAFEGUARD

(Social & Environment Safeguard reports are attached in MPR, refer those separately for each month, some of them are attached below)



Regional Urban Development Project (RUDP) Project Implementation Unit (PIU) Biratnagar, Nepal <u>LABOUR DATA SUMMARY</u>										
LABOUR CLASS	LABOUR		COMPOSITION		ETHNIC COMPOSITION					
	SKILLED	UNSKILLED	MALE	FEMALE	JANJATI	DALIT	MUSLIM	MADHESI	BRAHMIN/CHHETRI	
LOCAL	13	24	34	3	16	13	0	8	0	
NON LOCAL	3	9	12	0	1	6	0	5	0	
INDIAN	0	0	0	0	0	0	0	0	0	
TOTAL	16	33	46	3	17	19	0	13	0	



Regional Urban Development Project (RUDP) Project Implementation Unit (PIU) Biratnagar, Nepal LABOUR DATA													
S.NO	LOCATION	TYPES OF WORK	TYPES OF WORKERS	LABOUR			COMPOSITION		JANUARY	DALIT	ETHNIC COMPOSITION		
				SKILLED	UNSKILLED		MALE	FEMALE			MUSLIM	MADHESI	BRAHMIN/CHETRI
1	R83	Drain	LOCAL NON LOCAL INDIAN TOTAL	2 2 2 6	2 2 2 6		3 2 2 7	1 1 1 3	1	2 1 1 4		1 1 1 3	
2	TL266	Drain	LOCAL NON LOCAL INDIAN TOTAL	2 2 2 7	3 2 2 7		4 2 2 8	1 1 1 3	2	2 2 2 6		1 1 1 3	
3	TL22A	Drain	LOCAL NON LOCAL INDIAN TOTAL	1 1 1 3	2 1 1 4		2 1 1 4	1 1 1 3	1	1 1 1 3		2 1 1 4	
4	R39	Sub-Base	LOCAL NON LOCAL INDIAN TOTAL	1 1 1 3	3 1 1 5		4 1 1 6		2			2	
5	TL25A	Base	LOCAL NON LOCAL INDIAN TOTAL	1 1 1 3	2 1 1 4		3 1 1 5			3			
6	Madhumara yard	Ring production	LOCAL NON LOCAL INDIAN TOTAL	1 1 1 3	2 1 1 4		1 1 1 3		1	1		1	
7	Koshi Yard	Slab Production	LOCAL NON LOCAL INDIAN TOTAL	2 2 2 6	1 1 1 3		2 1 1 4		2	1		2	
8	R23	prime	LOCAL NON LOCAL INDIAN TOTAL	2 2 2 6	1 1 1 3		4 1 1 6		1	3		1	
9	R3 Trunk Line	Asphalt	LOCAL NON LOCAL INDIAN TOTAL	1 1 1 3	3 1 1 5		4 1 1 6		2			2	
10	R39	MH Rise	LOCAL NON LOCAL INDIAN TOTAL	1 1 1 3	2 1 1 4		3 1 1 5		3				
11	R17	House connection	LOCAL NON LOCAL INDIAN TOTAL	1 1 1 3	3 1 1 5		4 1 1 6		1	3			



REGIONAL URBAN DEVELOPMENT PROJECT (RUDP)

Social Safeguard Monitoring

Status of Key Social Issues Compliance

Subproject Road:-RUDP/ICB/BRT/02

Month/Year:- June-2020

Name of Contractor:- ZHONGHENG CONSTRUCTION GROUP

INTERNATIONAL ENGINEERING CO. LTD, Beijing China

Contract Package:-RUDP/ICB/02

S.N.	Key Social Issues	Full Compliance Status	Partial Compliance Status	None Compliance Status	Implementing Agency	Note of Agency	Deadline
1	Availability of Drinking Water Services	✓					
2	Availability of Toilet Facility in campsite	✓					
3	Legal Source of fuel wood use			✓			
4	Legal document of 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 works		✓				
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:-



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: June 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	Yes (For Covid 19)	
2	Occupational health and safety		
2.1	Insurance for workers	Yes	
2.2	Personal Protective Equipment (PPE) provided to labors and is using (helmet, facemasks, muffles, gloves, boots, jacket, goggles etc.)	Daily Provided	
2.3	Public notification Safety and warning signs and informative signboards in working sites for work safety	Yes Provided	
2.4	Use of barricades, caution tape and flag	Daily Used	
3	Compsite management		
3.1	Location	Koshi, Pichara, Shanti Chowk, Rani	
3.2	First aid facilities available at camp and worksites	Yes	
3.3	Drinking water supply and sanitation facilities/ pit latrines	Tap water/ Hand Pump	
3.4	Waste Disposal and Management facilities	Yes	
3.5	Type of fuel used for cooking	L.P.G	
4	Spoil and Construction material Management		
4.1	Cut and fill balance maintained or not, Reuse of spoil materials	Cut & Fill balance maintained	
4.2	Use of safe spoil disposal locations	Not Applicable	
4.3	Disturbance to Pedestrian and traffic movement	No any disturbance to pedestrians & traffic	



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



Handwritten signature and initials.



ANNEX-5: S-Curve

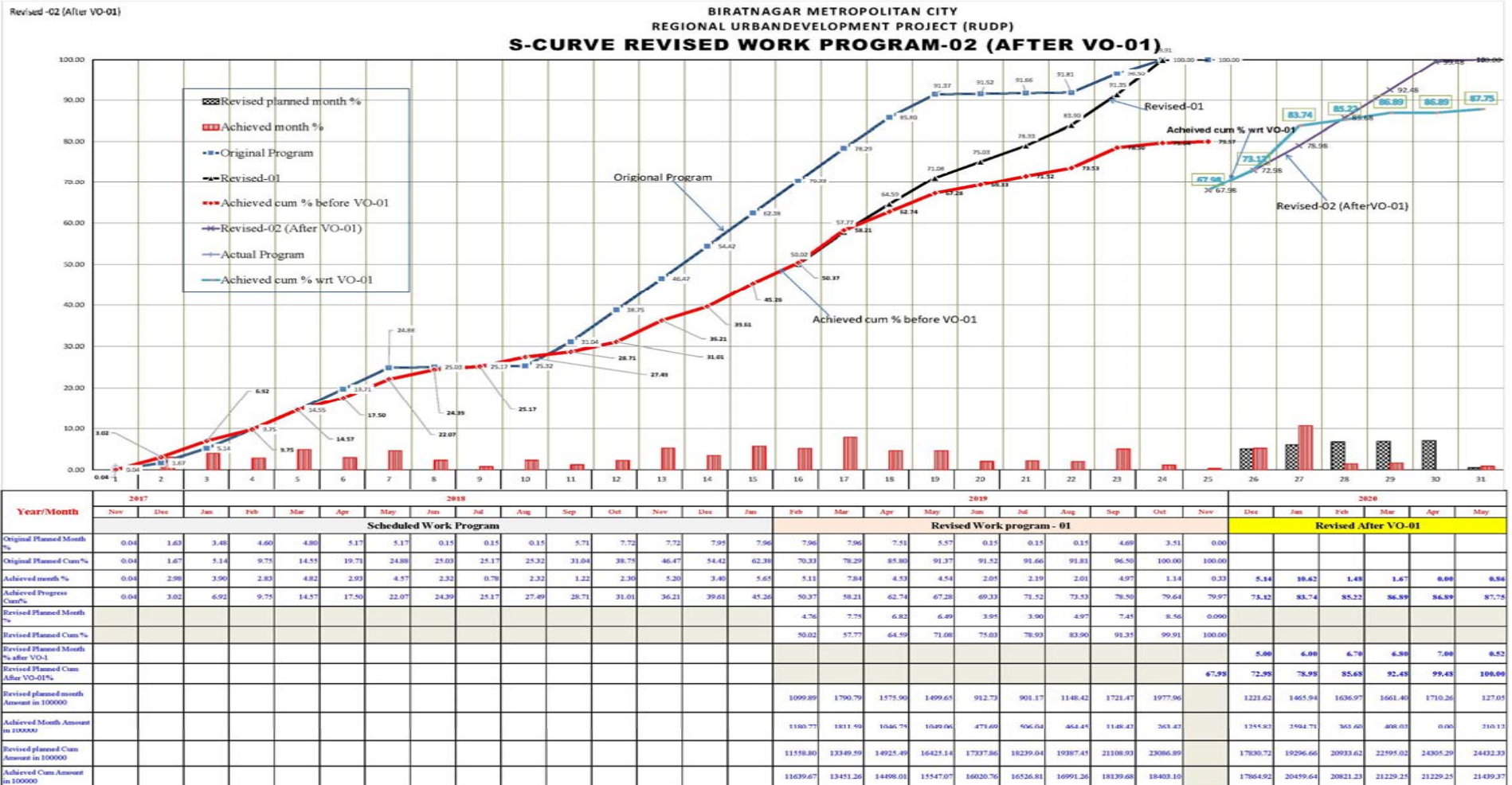
ATTACHED – till June, 2020

Actually S – Curve of May month 2020 has been attached for reference because the contractor is provisionally accepted the approved EOT till 31st July 2020 which received in installment and revised work program & s – curve with resources planning will be submitted by the contractor later after acceptance of remaining period.



Quarterly Progress Report

April, 2020 to June, 2020



Annex-6: Master Plan of RUDP Project



