## Original

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



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

## **Monthly Progress Report**

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



*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 28<sup>th</sup>October 2017.

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

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



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

|  | General Features  |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|
| Name of Project  | Regional Urban Development Project(RUDP)  |  |  |  |  |  |  |  |
|  | Government of Nepal,  |  |  |  |  |  |  |  |
| Executing Agency   | 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<br>and Road furniture works                                     |  |  |  |  |  |  |  |
| Contract No.   | RUDP/ICB/BRT/2  |  |  |  |  |  |  |  |
| Location   | Biratnagar Metropolitan City, Biratnagar  |  |  |  |  |  |  |  |
| The Consultant:  |   |  |  |  |  |  |  |  |
| Consultant   | Building Design Authority (P) LTD in Joint Venture With B.N. consultancy Pvt and PLUS Engineers and Architects (P) Ltd Kathmandu. |  |  |  |  |  |  |  |
| Date of Sign of Design and<br>Supervision Consulting Service         | 28 <sup>th</sup> August 2017  |  |  |  |  |  |  |  |
| Date of Commencement of Design<br>and Supervision Consulting Service | 6 <sup>th</sup> September 2017  |  |  |  |  |  |  |  |
| Date of Completion   | 5th September 2020  |  |  |  |  |  |  |  |
| Revised Date of Completion   | 12 <sup>th</sup> April 2022 including DNP & Final Discharge (recommended)   |  |  |  |  |  |  |  |
| The Contractor:  |   |  |  |  |  |  |  |  |
| Contractor   | ZHONGHENG Construction Group International Engineering Co<br>Ltd. Beijing, China.   |  |  |  |  |  |  |  |
| Date of Agreement Made   | 10 <sup>th</sup> October 2017   |  |  |  |  |  |  |  |
| Date of Commencement   | 2 <sup>nd</sup> November 2017   |  |  |  |  |  |  |  |
| Date of Completion   | 1 <sup>st</sup> November 2019   |  |  |  |  |  |  |  |
| Revised Date of Completion   | 11 <sup>th</sup> February 2021  |  |  |  |  |  |  |  |
| 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<br>BMC after VO-2 (provisional items) | NRs. 39,999,966.94  |  |  |  |  |  |  |  |
| Revised Contract Amount including<br>PS and VAT                           | NRs. 3,018,488,228.77 (excluding Additional Financing 100% funded by BMC NRs. 39,999,966.94).   |  |  |  |  |  |  |  |
| Progress  |   |  |  |  |  |  |  |  |
| Road Rehabilitation (Asphalt)   | 94.16%  |  |  |  |  |  |  |  |
| Sewer Line  | 100.00%   |  |  |  |  |  |  |  |
| Storm Drain   | 100.00%   |  |  |  |  |  |  |  |
| Road Side Drain   | 100.00%   |  |  |  |  |  |  |  |
| Footpath/Interlock work   | 56.62%  |  |  |  |  |  |  |  |
| Integrated Solid Waste Management<br>(ISWM) Design                        | Inception Report as well as Stakeholder's Analysis, Communication<br>Strategy and Consultation Plan for Integrated Solid Waste<br>Management (ISWM) has already been submitted. |  |  |  |  |  |  |  |
|   | Due to Socio Environment Problem, Progress of Integrated Solid<br>Waste Management (ISWM) design has been hindered.   |  |  |  |  |  |  |  |
| Physical Progress up to date  | Planned: 96.90%, Actual: 96.91%; Lead (+) or Lag (-) by (+) 0.01<br>%;  |  |  |  |  |  |  |  |
| Financial Progress up to date (on the                                     | In Percentage: <b>89.19%</b> , In Figure: <b>NRs. 2,692,283,630.22</b> (including VAT and PS) up to IPC –20 wrt <b>VO-3</b> .   |  |  |  |  |  |  |  |
| basis of IPC forwarded for<br>disbursement)                               | <b>In Words: NRs.</b> Two Billion Six Hundred Ninety Two Millions Two<br>Hundred Eighty Three Thousand Six Hundred Thirty and Twenty Two<br>Paisa Only.                         |  |  |  |  |  |  |  |



# 3. SUMMARY OF PROGRESS STATUS OF ALL MAJOR COMPONENTS

| S.No. | Description                | Unit | Revised<br>Quantity | B P P Remaining |           | Progress<br>Status<br>expressed in<br>(%) | Remarks  |
|-------|----------------------------|------|---------------------|-----------------|-----------|---|----------|
| 1     | Sewer Line                 |      |                     |                 |           |   |          |
| a     | HDPE/RCC                   | m    | 18,559.80           | 18,559.80       | -         | 100.00%                                   |          |
| b     | Manhole                    | No.  | 606.00              | 606.00          | -         | 100.00%                                   |          |
| с     | Sewer Inlet                | No.  | 1,010.00            | 564.00          | 446.00    | 55.84%                                    |          |
| d     | House Connection           | No.  | 3,784.00            | 2,719.00        | 1,065.00  | 71.86%                                    |          |
| 2     | Storm Water Drain          |      |                     |                 |           |   |          |
| а     | RCC Drain                  | m    | 585.00              | 585.00          | -         | 100.00%                                   | 3        |
| b     | Piles                      | No.  | 138.00              | 138.00          | -         | 100.00%                                   | V0-      |
| 3     | Road                       |      |                     |                 |           |   | w.r.t. V |
| a     | Subgrade                   | m    | 76,283.60           | 76,283.60       | -         | 100.00%                                   | г.w      |
| b     | Sub base                   | m    | 76,283.60           | 5,748.60        | 535.00    | 99.30%                                    |          |
| c     | Base                       | m    | 76,283.60           | 73,324.50       | 2,959.10  | 96.12%                                    |          |
| d     | Prime                      | m    | 76,283.60           | 71,831.34       | 4,452.26  | 94.16%                                    |          |
| e     | Asphalt                    | m    | 76,283.60           | 71,831.34       | 4,452.26  | 94.16%                                    |          |
| 4     | <b>Road Side Drain</b>     | m    | 39,200.69           | 39,200.69       | 0.00      | 100.00%                                   |          |
| 5     | Footpath/Interlock<br>work | sqm  | 49,481.82           | 28,017.51       | 21,464.31 | 56.62%                                    |          |

#### Note:

Footpath/Interlock has been completed **25,366.00m** in length till the end of Jan 2021.



#### **3.1.SUB PROJECT COMPONENTS**

#### 3.1.1 SEWER LINES

Trunk Line T1 & T2 were already completed in STIUEIP (Secondary Town Integrated Urban Environmental Improvement Project). But after various discussion, formal communication & meetings with representatives of BMC, PIU, representatives of Department of Road & representatives of six lane's contractor regarding timely execution and completion of rectification, raising, repair, maintenance, placement of missing CI covers and cleansing works of sewer system in N-S Highway (Six lanes) which damaged by the contractor of six lane highway. Yet no further progresses have been observed towards repair & maintenance works of sewer lines at N-S Highway which certainly have an effect on the successful completion of the project. Sewer lines under RUDP has been 100% completed and remaining SI & HCC works are in progress along with maintenance work of sewer lines, sewer inlet and house chamber connections as per instruction. Details of all major components of the project are as illustrated in Table – 1 and the Progress of sewer lines under RUDP are as tabulated below in Table-2:-



| S. No. | Description                                  | Unit | Revised<br>Quantity<br>(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   | 76.28                               |
| 6      | Road side Drain                              | Km   | 39.20                               |
| 7      | Storm Water Drain                            | m    | 585.00                              |

#### Table 1: PROPOSED ALL MAJOR COMPONENTS OF THE PROJECT



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

|                 |                   | Revised Q  | uantity           | Up to Pre  | Month             | This          | month             | Total to   |                   |               |
|-----------------|-------------------|------------|-------------------|------------|-------------------|---------------|-------------------|------------|-------------------|---------------|
| SN              | Description       | Length (m) | Manhole<br>(Nos.) | Length (m) | Manhole<br>(Nos.) | Length<br>(m) | Manhole<br>(Nos.) | Length (m) | Manhole<br>(Nos.) | Progress<br>% |
| Hume Pipe:      |                   |            |                   |            |                   |               |                   |            |                   |               |
| 1               | Hume pipe<br>(T2) | 205.00     | 6.00              | 205.00     | 6.00              |               |                   | 205.00     | 6.00              |               |
| 2               | Hume pipe<br>(T3) | 1,632.50   | 25.00             | 1,632.50   | 25.00             |               |                   | 1,632.50   | 25.00             |               |
| 3               | Hume Pipe<br>(T4) | 130.00     | 4.00              | 130.00     | 4.00              |               |                   | 130.00     | 4.00              |               |
| Subtotal in (1  | m)                | 1,967.50   | 35.00             | 1,967.50   | 35.00             | -             | -                 | 1,967.50   | 35.00             |               |
| HDPE Pipe:      |                   |            |                   |            |                   |               |                   |            |                   |               |
| 1               | HDPE (T1)         | 1,743.20   | 54.00             | 1,743.20   | 54.00             |               |                   | 1,743.20   | 54.00             |               |
| 2               | HDPE (T2)         | 3,153.40   | 121.00            | 3,153.40   | 121.00            |               |                   | 3,153.40   | 121.00            |               |
| 3               | HDPE (T3)         | 9,643.80   | 340.00            | 9,643.80   | 340.00            |               |                   | 9,643.80   | 340.00            |               |
| 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            | 16,592.30  | 571.00            | -             | -                 | 16,592.30  | 571.00            |               |
| Total           |                   | 18,559.80  | 606.00            | 18,559.80  | 606.00            | -             | -                 | 18,559.80  | 606.00            | 100.00%       |



| SN | Description      | Revised Quantity | Up to Pre Month | This month | Total to date in<br>Nos. | Progress % |
|----|------------------|------------------|-----------------|------------|--------------------------|------------|
| 1  | Sewer inlet      | 1,010.00         | 564.00          | -          | 564.00                   | 55.84      |
| 2  | House connection | 3,784.00         | 2,616.00        | 103.00     | 2,719.00                 | 71.86      |



#### 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 100% of the Storm water drain works and is in full function. The detail of the progress is shown in the table 3:

|    |                                    |                      | -                       | Length of            |               |                      |                          |                   |
|----|------------------------------------|----------------------|-------------------------|----------------------|---------------|----------------------|--------------------------|-------------------|
| SN | Name of Drain                      |                      | Revised                 | Prog                 | ress          |                      | Covered<br>Drain in<br>m | Remarks           |
|    |                                    | Original             | Quantity                | Previous             | This<br>Month | Cumulative           | Type-<br>RCC,<br>Closed  |                   |
| 1  | CN2-<br>CN3(Chyangh<br>Baari Nala) | 652.89               | 585.00                  | 585.00               |               | 585.00               | 585.00                   | 100%<br>Completed |
| 2  | CN2-CN3<br>(Chyangh<br>Baari Nala) | 132 Nos.<br>of piles | 138<br>Nos. of<br>piles | 138 Nos.<br>of piles |               | 138 Nos. of<br>piles |                          | 100%<br>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 76.28 km as per VO-03. Most of the roads of the project have been completed and some of them are in the process of being upgraded.

Out of 76.28 km. about 76.28 Km. has been attempted. About 71.83 Km. Asphalt work has been completed. The summary of physical progress of flexible pavement, rigid pavement and foot paths areas tabulated in Table 4, 4.1 & 4.2 below: -



| 1 a | Table No:-4 PROPOSED and PHYSICAL PROGRESS of pavement works till date         Lungth in m |                        |          |               |          |          |                |          |     |          |         |
|-----|--|------------------------|----------|---------------|----------|----------|----------------|----------|-----|----------|---------|
|     |  |                        |          | Length in m   | 1        |          | Work Completed |          |     |          | ·ks     |
| SN  | <b>Road Number</b>   | Name of Road           | Prog     |               |          | Sub-base | Base           | Asphalt  | RCC | Paint    | nar     |
|     |  |                        | Previous | This<br>Month | Total    | m        | m              | m        | m   | m        | Remarks |
| 1   | R42  | Bhagwati<br>Marg       | 229.00   |               | 229.00   | 229.00   | 229.00         | 229.00   |     | 229.00   |         |
| 2   | R5   | College Road           | 594.00   |               | 594.00   | 594.00   | 594.00         | 594.00   |     | 594.00   |         |
| 3   | R5   | Chulachuli<br>Road     | 230.00   |               | 230.00   | 230.00   | 230.00         | 230.00   |     | 230.00   |         |
| 4   | R5   | Transportation<br>Line | 377.20   |               | 377.20   | 377.20   | 377.20         | 377.20   |     | 377.20   |         |
| 5   | R65  | Satghumti<br>Marg      | 320.00   |               | 320.00   | 320.00   |                |          |     |          |         |
| 6   | R107   |                        | 167.00   |               | 167.00   | 167.00   | 167.00         | 167.00   |     | 167.00   |         |
| 7   | R104   | VIP Marg               | 275.00   |               | 275.00   | 275.00   | 275.00         | 275.00   |     | 275.00   |         |
| 8   | R8(R3 to Devkota)  | Madhumara<br>Marg      | 920.00   |               | 920.00   | 920.00   | 920.00         | 920.00   |     | 600.00   |         |
| 9   | B1   | Kanchan Marg           | 1,181.10 |               | 1,181.10 | 1,181.10 | 1,181.10       | 1,181.10 |     | 1,106.00 |         |
| 10  | R21  | Pratibha Marg          | 1,490.10 |               | 1,490.10 | 1,490.10 | 1,490.10       | 1,490.10 |     | 1,012.80 |         |
| 11  | В3   | Keshaliya<br>Marg      | 1,623.20 |               | 1,623.20 | 1,623.20 | 1,623.20       | 1,623.20 |     | 1,623.20 |         |

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



|     |                 |                         | ]        | Length in m   |          |          |          |          | S   |          |         |
|-----|-----------------|-------------------------|----------|---------------|----------|----------|----------|----------|-----|----------|---------|
| SN  | Road Number     | Name of Road            | Prog     | ress          |          | Sub-base | Base     | Asphalt  | RCC | Paint    | lark    |
| SIX | Road Pulliber   |                         | Previous | This<br>Month | Total    | m        | m        | m        | m   | m        | Remarks |
| 12  | S13             |                         | 1,724.20 |               | 1,724.20 | 1,724.20 | 1,724.20 | 1,724.20 |     | 1,812.60 |         |
| 13  | R12             | Brikuti to<br>Keshaliya | 844.20   |               | 844.20   | 844.20   | 844.20   | 844.20   |     | 844.20   |         |
| 14  | R12             | Kanchha Dai<br>Marg     | 900.00   | 151.20        | 1,051.20 | 1,051.20 | 900.00   | 900.00   |     |          |         |
| 15  | R12 (R114-R183) |                         |          |               | -        | -        | -        | -        |     |          |         |
| 16  | Rani site       | Rani                    | 3,725.15 |               | 3,725.15 | 3,725.15 | 3,725.15 | 3,725.15 |     | 3,725.15 |         |
| 17  | R16             | Satya Marg              | 583.90   |               | 583.90   | 583.90   | 583.90   | 583.90   |     | 583.90   |         |
| 18  | R26             | Pasang Marg             | 602.30   |               | 602.30   | 602.30   | 602.30   | 602.30   |     | 602.30   |         |
| 19  | R28             | Pustakalaya<br>Marg     | 606.10   |               | 606.10   | 606.10   | 606.10   | 606.10   |     | 606.10   |         |
| 20  | R27             | Pipal Marg              | 794.70   |               | 794.70   | 794.70   | 794.70   | 794.70   |     | 639.20   |         |
| 21  | R25             | Devi Marg               | 592.30   |               | 592.30   | 592.30   | 592.30   | 592.30   |     | 592.30   |         |
| 22  | R24             | Prabhat Marg            | 382.90   |               | 382.90   | 382.90   | 382.90   | 382.90   |     | 382.90   |         |



|     |                |                     | ]        | Length in m<br>Progress |        |          | Work Con | pleted  |     |        | S       |
|-----|----------------|---------------------|----------|-------------------------|--------|----------|----------|---------|-----|--------|---------|
| SN  | Road Number    | Name of Road        | Prog     | ress                    |        | Sub-base | Base     | Asphalt | RCC | Paint  | lark    |
| 51V | Road Pulliber  |                     | Previous | This<br>Month           | Total  | m        | m        | m       | m   | m      | Remarks |
| 23  | R37            | Banglamukhi<br>Marg | 470.50   |                         | 470.50 | 470.50   | 470.50   | 470.50  |     | 470.50 |         |
| 24  | R7             | R25 to R27          | 152.57   |                         | 152.57 | 152.57   | 152.57   | 152.57  |     | 152.57 |         |
| 25  | R7             | R21 to R25          | 267.00   |                         | 267.00 | 267.00   | 267.00   | 267.00  |     | 267.00 |         |
| 26  | R30            | Shanti Marg         | 348.60   |                         | 348.60 | 348.60   | 348.60   | 348.60  |     | 348.60 |         |
| 27  | R9             | Fadindra Marg       | 119.00   |                         | 119.00 | 119.00   | 119.00   | 119.00  |     | 119.00 |         |
| 28  | R9(R37 to R41) |                     | 254.60   |                         | 254.60 | 254.60   | 254.60   | 254.60  |     | 254.60 |         |
| 29  | S11            | Samrat Marg         | 502.60   |                         | 502.60 | 502.60   | 502.60   | 502.60  |     | 504.60 |         |
| 30  | R22            | Amar Marga          | 373.50   |                         | 373.50 | 373.50   | 373.50   | 373.50  |     | 373.50 |         |
| 31  | R29            | Shanti Marg         | 879.60   |                         | 879.60 | 879.60   | 879.60   | 879.60  |     | 585.60 |         |
| 32  | R36            | Gaurav Marg         | 221.10   |                         | 221.10 | 221.10   | 221.10   | 221.10  |     | 440.00 |         |
| 33  | R33            | Tarun Marg          | 282.50   |                         | 282.50 | 282.50   | 282.50   | 282.50  |     | 282.50 |         |



|     |                |                            | ]        | Length in m   | l        |          | Work Con | npleted  |     |          | S       |
|-----|----------------|----------------------------|----------|---------------|----------|----------|----------|----------|-----|----------|---------|
| SN  | Road Number    | Name of Road               | Prog     | ress          |          | Sub-base | Base     | Asphalt  | RCC | Paint    | ark     |
| 511 | Koau Nullibei  | Ivalle of Koau             | Previous | This<br>Month | Total    | m        | m        | m        | m   | m        | Remarks |
| 34  | R8             | R29 to N36)                | 226.90   |               | 226.90   | 226.90   | 226.90   | 226.90   |     | 226.90   |         |
| 35  | N36            |                            | 184.00   |               | 184.00   | 184.00   | 184.00   | 184.00   |     | 184.00   |         |
| 36  | R188           | Shakti Marg                | 115.10   |               | 115.10   | 115.10   | 115.10   | 115.10   |     | 115.10   |         |
| 37  | R2             | Main Road                  | 3,116.10 |               | 3,116.10 | 3,116.10 | 3,116.10 | 3,116.10 |     | 4,350.00 |         |
| 38  | T3 Line 6A     | Pandit<br>Meghnath<br>Marg | 279.30   |               | 279.30   | 279.30   | 279.30   | 279.30   |     | 279.30   |         |
| 39  | R63 (DSP Road) | DSP Road                   | 424.00   |               | 424.00   | 424.00   | 424.00   | 424.00   |     | 424.00   |         |
| 40  | R90            | Shakti Marg                | 449.30   |               | 449.30   | 449.30   | 449.30   | 449.30   |     | 640.00   |         |
| 41  | R77            | Arniko Marg                | 87.70    |               | 87.70    | 87.70    | 87.70    | 87.70    |     | 87.70    |         |
| 42  | R76            | Mitra Marg                 | 275.60   |               | 275.60   | 275.60   | 275.60   | 275.60   |     | 541.20   |         |
| 43  | R183/T2L24C    | Nava Jyoti<br>Marg         | 217.20   |               | 217.20   | 217.20   | 217.20   | 217.20   |     | 217.20   |         |
| 44  | T1 L16B        | Xenial Front               | 203.70   |               | 203.70   | 203.70   | 203.70   | 203.70   |     | 203.70   |         |



|    |                     |                          | ]        | Length in m   | l        |          | Work Con | pleted   |        |          | S       |
|----|---------------------|--------------------------|----------|---------------|----------|----------|----------|----------|--------|----------|---------|
| SN | Road Number         | Name of Road             | Prog     | ress          |          | Sub-base | Base     | Asphalt  | RCC    | Paint    | ark     |
| 51 | Koau Number         |                          | Previous | This<br>Month | Total    | m        | m        | m        | m      | m        | Remarks |
| 45 | T1L16A              | Xenial South             | 165.70   |               | 165.70   | 165.70   | 165.70   | 165.70   |        | 165.70   |         |
| 46 | R114                | Dharanidhar<br>Marg      | 569.00   |               | 569.00   | 569.00   | 569.00   | 569.00   |        | 560.00   |         |
| 47 | R113                | Kavi Lekh<br>Marg        | 746.20   |               | 746.20   | 746.20   | 746.20   | 746.20   |        | 746.20   |         |
| 48 | R3                  | Dharamban<br>Marg        | 2,254.10 |               | 2,254.10 | 2,254.10 | 2,254.10 | 2,254.10 |        | 2,080.30 |         |
| 49 | R3 -(T3 Family plan | ning to DUDBC)           | 337.00   |               | 337.00   | 337.00   | 337.00   | 337.00   | 337.00 | 337.00   |         |
| 50 | R84                 | West of school           | 237.00   |               | 237.00   | 237.00   | 237.00   | 237.00   |        | 237.00   |         |
| 51 | R84                 |                          | 248.90   |               | 248.90   | 248.90   | 248.90   | 248.90   |        | 248.90   |         |
| 52 | R85                 | Machha Line              | 153.80   |               | 153.80   | 153.80   | 153.80   | 153.80   |        | 153.80   |         |
| 53 | R87                 | Mahabir<br>Chowk         | 234.20   |               | 234.20   | 234.20   | 234.20   | 234.20   |        | 234.20   |         |
| 54 | R86                 | Petrol pump<br>side -R12 | 191.50   |               | 191.50   | 191.50   | 191.50   | 191.50   |        | 191.50   |         |
| 55 | R11                 | R18/R86                  | 204.10   |               | 204.10   | 204.10   | 204.10   | 204.10   |        | 204.10   |         |



|     |                |              | Length in m |               |        |          | Work Con | pleted  |     |        | S       |
|-----|----------------|--------------|-------------|---------------|--------|----------|----------|---------|-----|--------|---------|
| SN  | Road Number    | Name of Road | Prog        | ress          |        | Sub-base | Base     | Asphalt | RCC | Paint  | lark    |
| SIT |                |              | Previous    | This<br>Month | Total  | m        | m        | m       | m   | m      | Remarks |
| 56  | N3             | Jatuwa       | 122.00      |               | 122.00 | 122.00   | 122.00   | 122.00  |     | 122.00 |         |
| 57  | N3             | Janani Marga | 280.00      |               | 280.00 | 280.00   | 280.00   | 280.00  |     | 280.00 |         |
| 58  | N4(R16 to R21) | Jatuwa       | 168.80      |               | 168.80 | 168.80   | 168.80   | 168.80  |     | 168.80 |         |
| 59  | R10            | R35 to R76   | 670.80      |               | 670.80 | 670.80   | 670.80   | 670.80  |     | 670.80 |         |
| 60  | T2L26F         | APF          | 55.00       |               | 55.00  | 55.00    | 55.00    | 55.00   |     | 55.00  |         |
| 61  | T2L27          |              | 75.00       |               | 75.00  | 75.00    | 75.00    | 75.00   |     | 75.00  |         |
| 62  | R122           |              | 251.00      | 190.00        | 441.00 | 441.00   | 251.00   | 251.00  |     | 251.00 |         |
| 63  | N9             |              | 222.60      |               | 222.60 | 222.60   | 222.60   | 222.60  |     | 222.60 |         |
| 64  | R17            |              | 374.00      |               | 374.00 | 374.00   | 374.00   | 374.00  |     | 374.00 |         |
| 65  | R18            |              | 387.30      |               | 387.30 | 387.30   | 387.30   | 387.30  |     | 300.00 |         |
| 66  | N2             |              | 117.00      |               | 117.00 | 117.00   | 117.00   | 117.00  |     | 117.00 |         |



|     |               |                     | ]        | Length in m   |        |          | Work Con | pleted  |     |        | S       |
|-----|---------------|---------------------|----------|---------------|--------|----------|----------|---------|-----|--------|---------|
| SN  | Road Number   | Name of Road        | Prog     | ress          |        | Sub-base | Base     | Asphalt | RCC | Paint  | lark    |
| SIT | Road Pulliber |                     | Previous | This<br>Month | Total  | m        | m        | m       | m   | m      | Remarks |
| 67  | T3L6          | Moti Marga          | 158.30   |               | 158.30 | 158.30   | 158.30   | 158.30  |     | 158.30 |         |
| 68  | T3L6          | CDO Office<br>front | 49.40    |               | 49.40  | 49.40    | 49.40    | 49.40   |     | 49.40  |         |
| 69  | R45           | Bata road           | 510.70   |               | 510.70 | 510.70   | 510.70   | 510.70  |     | 510.70 |         |
| 70  | T3L21         |                     | 547.00   |               | 547.00 | 547.00   | 547.00   | 547.00  |     | 547.00 |         |
| 71  | N5            | R16 to R18          | 67.20    |               | 67.20  | 67.20    | 67.20    | 67.20   |     | 67.20  |         |
| 72  | T3L39         |                     | 340.00   |               | 340.00 | 340.00   | 340.00   | 340.00  |     | 340.00 |         |
| 73  | T3L39A        |                     | 138.00   |               | 138.00 | 138.00   | 138.00   | 138.00  |     | 138.00 |         |
| 74  | T3L39B        |                     | 60.00    |               | 60.00  | 60.00    | 60.00    | 60.00   |     | 60.00  |         |
| 75  |               | Milan Marga         | 130.00   | 120.00        | 250.00 | 250.00   | 250.00   | 250.00  |     |        |         |
| 76  | R68 - T2L24G  |                     | 218.00   |               | 218.00 | 218.00   | 218.00   | 218.00  |     | 218.00 |         |
| 77  | N10           |                     | 194.00   |               | 194.00 | 194.00   | 194.00   | 194.00  |     | 194.00 |         |



|     |                |                      | ]        | Length in m   |          |          | Work Con | npleted  |     |          | S       |
|-----|----------------|----------------------|----------|---------------|----------|----------|----------|----------|-----|----------|---------|
| SN  | Road Number    | Name of Road         | Prog     | ress          |          | Sub-base | Base     | Asphalt  | RCC | Paint    | lark    |
| 511 | Koau Number    | Name of Koau         | Previous | This<br>Month | Total    | m        | m        | m        | m   | m        | Remarks |
| 78  | T3L24C &D      | Hanuman Das<br>Road  | 200.00   |               | 200.00   | 200.00   | 200.00   | 200.00   |     |          |         |
| 79  | R6(N2 to R41)  |                      | 1,832.80 |               | 1,832.80 | 1,832.80 | 1,832.80 | 1,832.80 |     | 1,327.00 |         |
| 80  | N24            |                      | 144.00   |               | 144.00   | 144.00   | 144.00   | 144.00   |     | 144.00   |         |
| 81  | R31            |                      | 189.20   |               | 189.20   | 189.20   | 189.20   | 189.20   |     | 189.20   |         |
| 82  | N27            | Bindabasini<br>Marga | 354.00   |               | 354.00   | 354.00   | 354.00   | 354.00   |     | 354.00   |         |
| 83  | R73 (R2 to R5) |                      | 217.00   |               | 217.00   | 217.00   | 217.00   | 217.00   |     | 217.00   |         |
| 84  | R6 (R41-R44)   | Bata Galli           | 269.00   |               | 269.00   | 269.00   | 269.00   | 269.00   |     | 269.00   |         |
| 85  | R9 (T3Line11K) | R41-R7               | 194.80   |               | 194.80   | 194.80   | 194.80   | 194.80   |     | 194.80   |         |
| 86  | R44            | Thakurbadi<br>Road   | 727.10   |               | 727.10   | 727.10   | 727.10   | 727.10   |     | 727.10   |         |
| 87  | R102           | Main                 | 140.00   |               | 140.00   | 140.00   | 140.00   | 140.00   |     | 140.00   |         |
| 88  | R102           | Branch               | 71.30    |               | 71.30    | 71.30    | 71.30    | 71.30    |     | 71.30    |         |



|    |                 |                        | ]        | Length in m   | l      |          | Work Con | pleted  |     |        | S       |
|----|-----------------|------------------------|----------|---------------|--------|----------|----------|---------|-----|--------|---------|
| SN | Road Number     | Name of Road           | Prog     | ress          |        | Sub-base | Base     | Asphalt | RCC | Paint  | lark    |
| 51 | Koau Number     |                        | Previous | This<br>Month | Total  | m        | m        | m       | m   | m      | Remarks |
| 89 | R103            |                        | 171.30   |               | 171.30 | 171.30   | 171.30   | 171.30  |     | 171.30 |         |
| 90 | R32             |                        | 189.20   |               | 189.20 | 189.20   | 189.20   | 189.20  |     | 189.20 |         |
| 91 | T2L18Y          |                        | 116.20   |               | 116.20 | 116.20   | 116.20   | 116.20  |     | 116.20 |         |
| 92 | R20             |                        | 108.00   |               | 108.00 | 108.00   | 108.00   | 108.00  |     | 108.00 |         |
| 93 | R82 (T1Line5)   | Everest School         | 522.80   |               | 522.80 | 522.80   | 522.80   | 522.80  |     | 522.80 |         |
| 94 | T1L5A           |                        | 171.90   |               | 171.90 | 171.90   | 171.90   | 171.90  |     | 171.90 |         |
| 95 | T3L23C          | North to Jay<br>Nepal  | 87.00    |               | 87.00  | 87.00    | 87.00    | 87.00   |     | 87.00  |         |
| 96 | T3L25B          |                        | 285.00   |               | 285.00 | 285.00   | 285.00   | 285.00  |     | 285.00 |         |
| 97 | T3L25C          |                        | 140.00   |               | 140.00 | 140.00   | 140.00   | 140.00  |     |        |         |
| 98 | R3(T3 Trunk)    | Tinpaini to<br>Sanihat | 680.00   |               | 680.00 | 680.00   | 680.00   | 680.00  |     | 680.00 |         |
| 99 | Nagmandir to R3 |                        | 55.00    |               | 55.00  | 55.00    | 55.00    | 55.00   |     | 55.00  |         |



|     |             |              | ]        | Length in m<br>Progress |        |          | Work Con | pleted  |     |        | S       |
|-----|-------------|--------------|----------|-------------------------|--------|----------|----------|---------|-----|--------|---------|
| SN  | Road Number | Name of Road | Prog     | ress                    |        | Sub-base | Base     | Asphalt | RCC | Paint  | lark    |
| 51  | Koau Number |              | Previous | This<br>Month           | Total  | m        | m        | m       | m   | m      | Remarks |
| 100 | R4          |              | 960.00   |                         | 960.00 | 960.00   | 960.00   | 960.00  |     | 960.00 |         |
| 101 | R75         |              | 137.00   |                         | 137.00 | 137.00   | 137.00   | 137.00  |     | 137.00 |         |
| 102 | R43         |              | 329.40   |                         | 329.40 | 329.40   | 329.40   | 329.40  |     | 329.40 |         |
| 103 | T219P       |              | 124.80   |                         | 124.80 | 124.80   | 124.80   | 124.80  |     | 124.80 |         |
| 104 | T219Q       |              | 113.70   |                         | 113.70 | 113.70   | 113.70   | 113.70  |     | 113.70 |         |
| 105 | R106        |              | 195.00   |                         | 195.00 | 195.00   | 195.00   | 195.00  |     | 195.00 |         |
| 106 | T3L12       |              | 80.00    |                         | 80.00  | 80.00    | 80.00    | 80.00   |     | 80.00  |         |
| 107 | R46         |              | 610.00   |                         | 610.00 | 610.00   | 610.00   | 610.00  |     | 610.00 |         |
| 108 | T3L11E      |              | 124.55   |                         | 124.55 | 124.55   | 124.55   | 124.55  |     | 124.55 |         |
| 109 | T3L13D      |              | 70.00    |                         | 70.00  | 70.00    | 70.00    | 70.00   |     | 70.00  |         |
| 110 | T3L13C      |              | 102.00   |                         | 102.00 | 102.00   | 102.00   | 102.00  |     | 102.00 |         |



|     |             |              | ]        | Length in m   | 1      |          | Work Con | pleted  |     |        | S       |
|-----|-------------|--------------|----------|---------------|--------|----------|----------|---------|-----|--------|---------|
| SN  | Road Number | Name of Road | Prog     | ress          |        | Sub-base | Base     | Asphalt | RCC | Paint  | ıark    |
| BIT | Road Rumber |              | Previous | This<br>Month | Total  | m        | m        | m       | m   | m      | Remarks |
| 111 | R34         |              | 157.40   |               | 157.40 | 157.40   | 157.40   | 157.40  |     | 157.40 |         |
| 112 | T3L13E      |              | 64.00    |               | 64.00  | 64.00    | 64.00    | 64.00   |     | 64.00  |         |
| 113 | T3L13K      |              | 76.00    |               | 76.00  | 76.00    | 76.00    | 76.00   |     | 76.00  |         |
| 114 | R19         |              | 228.00   |               | 228.00 | 228.00   | 228.00   | 228.00  |     | 228.00 |         |
| 115 | R41         |              | 540.00   |               | 540.00 | 540.00   | 540.00   | 540.00  |     | 540.00 |         |
| 116 | R9B         |              | 83.85    |               | 83.85  | 83.85    | 83.85    | 83.85   |     | 83.85  |         |
| 117 | R67         |              | 119.40   |               | 119.40 | 119.40   | 119.40   | 119.40  |     | 119.40 |         |
| 118 | R74         |              | 95.00    |               | 95.00  | 95.00    | 95.00    | 95.00   |     | 95.00  |         |
| 119 | R9A         |              | 109.00   |               | 109.00 | 109.00   | 109.00   | 109.00  |     | 109.00 |         |
| 120 | T2L19F      |              | 120.00   |               | 120.00 | 120.00   | 117.20   | 117.20  |     | 117.20 |         |
| 121 | T3L7A       |              | 190.00   |               | 190.00 | 190.00   | 158.00   | 158.00  |     | 158.00 |         |



|     |             |              | ]        | Length in m   | l      |          | Work Con | pleted  |     |        | S       |
|-----|-------------|--------------|----------|---------------|--------|----------|----------|---------|-----|--------|---------|
| SN  | Road Number | Name of Road | Prog     | ress          |        | Sub-base | Base     | Asphalt | RCC | Paint  | ıark    |
| BIT | Road Rumber |              | Previous | This<br>Month | Total  | m        | m        | m       | m   | m      | Remarks |
| 122 | T3L13F      |              | 75.00    |               | 75.00  | 75.00    | 75.00    | 75.00   |     | 75.00  |         |
| 123 | T3L11M      |              | 85.00    |               | 85.00  | 85.00    | 85.00    | 85.00   |     | 85.00  |         |
| 124 | T3L33A (N7) |              | 135.00   |               | 135.00 | 135.00   | 135.00   | 135.00  |     | 135.00 |         |
| 125 | R35         |              | 142.50   |               | 142.50 | 142.50   | 142.50   | 142.50  |     | 142.50 |         |
| 126 | R83         |              | 130.00   |               | 130.00 | 130.00   | 130.00   | 130.00  |     | 130.00 |         |
| 127 | R105        |              | 174.00   |               | 174.00 | 174.00   | 174.00   | 174.00  |     | 174.00 |         |
| 128 | R15         |              | 194.00   |               | 194.00 | 194.00   | 194.00   | 194.00  |     | 194.00 |         |
| 129 | R181        |              | 196.00   |               | 196.00 | 196.00   | 196.00   | 196.00  |     |        |         |
| 130 | R181A       |              | -        | 84.40         | 84.40  | 84.40    | 84.40    | 84.40   |     |        |         |
| 131 | N38         |              | 358.00   |               | 358.00 | 358.00   | 358.00   | 358.00  |     | 358.00 |         |
| 132 | T2L26E      | Bhanu Tole   | 107.00   |               | 107.00 | 107.00   | 107.00   | 107.00  |     | 107.00 |         |



|     |             |                                   | ]        | Length in m   | l        |          | Work Con | npleted  |        |          | S       |
|-----|-------------|-----------------------------------|----------|---------------|----------|----------|----------|----------|--------|----------|---------|
| SN  | Road Number | Name of Road                      | Prog     | ress          |          | Sub-base | Base     | Asphalt  | RCC    | Paint    | lark    |
| BIT | Road Rumber |                                   | Previous | This<br>Month | Total    | m        | m        | m        | m      | m        | Remarks |
| 133 | T2L19G      |                                   | 63.00    |               | 63.00    | 63.00    | 63.00    | 63.00    |        | 63.00    |         |
| 134 | T3L19H      |                                   | 84.00    |               | 84.00    | 84.00    | 84.00    | 84.00    |        | 84.00    |         |
| 135 | T2L19V      |                                   | 90.00    |               | 90.00    | 90.00    | 90.00    | 90.00    |        | 90.00    |         |
| 136 | T2L19Y      |                                   | 110.00   |               | 110.00   | 110.00   | 110.00   | 110.00   |        | 110.00   |         |
| 137 | T2L19Z      |                                   | 64.00    |               | 64.00    | 64.00    | 64.00    | 64.00    |        | 64.00    |         |
| 138 | R110        |                                   | 255.00   |               | 255.00   | 255.00   | 255.00   | 255.00   |        | 225.00   |         |
| 139 | T2L18A      |                                   | 97.00    |               | 97.00    | 97.00    | 97.00    | 97.00    |        | 97.00    |         |
| 140 | B2          |                                   | 2,584.65 |               | 2,584.65 | 2,584.65 | 2,584.65 | 2,584.65 | 210.00 | 2,584.65 |         |
| 141 | R7          | Sani Haat<br>Chowk to<br>Hospital | 746.80   |               | 746.80   | 746.80   | 746.80   | 746.80   |        | 746.80   |         |
| 142 | R7          | (R46-R44)<br>Shree Hospital       | 155.00   |               | 155.00   | 155.00   | 155.00   | 155.00   |        | 155.00   |         |



|     |                |                           | ]        | Length in m   | 1      |          | Work Con | pleted  |     |        | S       |
|-----|----------------|---------------------------|----------|---------------|--------|----------|----------|---------|-----|--------|---------|
| SN  | Road Number    | Name of Road              | Prog     | ress          |        | Sub-base | Base     | Asphalt | RCC | Paint  | ark     |
| 51  | Koad Number    |                           | Previous | This<br>Month | Total  | m        | m        | m       | m   | m      | Remarks |
| 143 | T3 Line18A     | Nearby Neuro<br>parking   | 79.32    |               | 79.32  | 79.32    | 79.32    | 79.32   |     | 79.32  |         |
| 144 | T3L21A         | Milan Chowk               | 123.40   |               | 123.40 | 123.40   | 123.40   | 123.40  |     | 123.40 |         |
| 145 | T3L18C         |                           | 103.00   |               | 103.00 | 103.00   | 103.00   | 103.00  |     | 103.00 |         |
| 146 | R39            | Sansari<br>Maisthan       | 180.00   |               | 180.00 | 180.00   | 180.00   | 180.00  |     | 180.00 |         |
| 147 | R40            |                           | 330.60   |               | 330.60 | 330.60   | 330.60   | 330.60  |     | 330.60 |         |
| 148 | R101           |                           | 270.00   |               | 270.00 | 270.00   | 270.00   | 270.00  |     | 270.00 |         |
| 149 | T3Line5        | Sanihat to<br>Nagarpalika | 285.00   |               | 285.00 | 285.00   | 285.00   | 285.00  |     | 285.00 |         |
| 150 | R7(R21 to R18) |                           | 68.00    |               | 68.00  | 68.00    | 68.00    | 68.00   |     | 68.00  |         |
| 151 | R7(R25 to R27  |                           | 155.00   |               | 155.00 | 155.00   | 155.00   | 155.00  |     | 155.00 |         |
| 152 | R9(R37 to R30) |                           | 219.60   |               | 219.60 | 219.60   | 219.60   | 219.60  |     | 219.60 |         |
| 153 | N8             |                           | 166.90   |               | 166.90 | 166.90   | 166.90   | 166.90  |     | 166.90 |         |



|     |                   |                                  | ]        | Length in m   | l      |          | Work Con | pleted  |     |        | S       |
|-----|-------------------|----------------------------------|----------|---------------|--------|----------|----------|---------|-----|--------|---------|
| SN  | Road Number       | Name of Road                     | Prog     | ress          |        | Sub-base | Base     | Asphalt | RCC | Paint  | ıark    |
| BIT | Road Rumber       |                                  | Previous | This<br>Month | Total  | m        | m        | m       | m   | m      | Remarks |
| 154 | R7                |                                  | 983.00   |               | 983.00 | 983.00   | 983.00   | 983.00  |     | 983.00 |         |
| 155 | R5                |                                  | 110.00   |               | 110.00 | 110.00   | 110.00   | 110.00  |     |        |         |
| 156 | T2Line11N         |                                  | 65.00    |               | 65.00  | 65.00    | 65.00    | 65.00   |     | 65.00  |         |
| 157 | R6                | Siddhartha to<br>R46             | 185.00   |               | 185.00 | 185.00   | 185.00   | 185.00  |     | 185.00 |         |
| 158 | R100 (T2Line 22B) |                                  | 150.00   |               | 150.00 | 150.00   | 150.00   | 150.00  |     | 150    |         |
| 159 | T3 Trunk Line     | Devkota to<br>Family<br>Planning | 340.00   |               | 340.00 | 340.00   | 340.00   | 340.00  |     | 340.00 |         |
| 160 | T3Line25A         |                                  | 302.00   |               | 302.00 | 302.00   | 302.00   | 302.00  |     | 302.00 |         |
| 161 | T3 Line23C        |                                  | 90.00    |               | 90.00  | 90.00    | 90.00    | 90.00   |     | 90.00  |         |
| 162 | R10               | Ram Marga                        | 180.00   | 42.60         | 222.60 | 222.60   |          |         |     |        |         |
| 163 | T2 Line18K        |                                  | 76.00    |               | 76.00  | 76.00    | 76.00    | 76.00   |     | 76.00  |         |
| 164 | R47               | Matrika Marga                    | 322.00   |               | 322.00 | 322.00   | 322.00   | 322.00  |     | 322.00 |         |



|     |                                       |                         | ]        | Length in m   | l      |          | Work Con | npleted |     |        | S       |
|-----|---------------------------------------|-------------------------|----------|---------------|--------|----------|----------|---------|-----|--------|---------|
| SN  | Road Number                           | Name of Road            | Prog     | ress          |        | Sub-base | Base     | Asphalt | RCC | Paint  | ıark    |
| SI  |                                       |                         | Previous | This<br>Month | Total  | m        | m        | m       | m   | m      | Remarks |
| 165 | T3 Line22<br>(Devkota chowk to<br>NRB |                         | 190.00   | 203.00        | 393.00 | 393.00   | 393.00   | 393.00  |     | 190.00 |         |
| 166 | R26                                   | east of R3              | 324.00   |               | 324.00 | 324.00   | 324.00   | 324.00  |     | 324.00 |         |
| 167 | R27                                   | east of R3              | 186.00   |               | 186.00 | 186.00   | 186.00   | 186.00  |     | 186.00 |         |
| 168 | N33                                   | Parichaya<br>Marga      | 194.50   |               | 194.50 | 194.50   | 194.50   | 194.50  |     | 194.50 |         |
| 169 | T3Line10C                             | Green cross<br>Line     | 150.00   |               | 150.00 | 150.00   | 150.00   | 150.00  |     | 150.00 |         |
| 170 | N23                                   |                         | 75.00    |               | 75.00  | 75.00    | 75.00    | 75.00   |     |        |         |
| 171 | R10                                   |                         | 181.00   |               | 181.00 | 181.00   | 181.00   | 181.00  |     | 181.00 |         |
| 172 | R15                                   |                         | 340.00   |               | 340.00 | 340.00   | 340.00   | 340.00  |     | 340.00 |         |
| 173 | T3 Trunk                              | DUDBC off to<br>Sanihat | 231.70   | 120.00        | 351.70 | 351.70   | 351.70   | 231.70  |     | 231.70 |         |
| 174 | R16                                   | East of<br>Dharambad    | 218.10   |               | 218.10 | 218.10   | 218.10   | 218.10  |     | 218.10 |         |



|     |               |                             | ]        | Length in m   | l      |          | Work Con | pleted  |     |        | S       |
|-----|---------------|-----------------------------|----------|---------------|--------|----------|----------|---------|-----|--------|---------|
| SN  | Road Number   | Name of Road                | Prog     | ress          |        | Sub-base | Base     | Asphalt | RCC | Paint  | ıark    |
| 511 | Road Pulliber |                             | Previous | This<br>Month | Total  | m        | m        | m       | m   | m      | Remarks |
| 175 | T3Line10      | Green cross<br>Line         | 184.20   |               | 184.20 | 184.20   | 184.20   | 184.20  |     |        |         |
| 176 | T2Line19B     | Jaycess Marga               | 148.00   |               | 148.00 | 148.00   | 148.00   | 148.00  |     | 148.00 |         |
| 177 | T3Line13C     | Kumari Mill<br>Line         | 229.30   |               | 229.30 | 229.30   | 229.30   | 229.30  |     | 229.30 |         |
| 178 | T2Line22A     | Indreni Marga               | 382.00   |               | 382.00 | 382.00   | 382.00   | 382.00  |     | 382.00 |         |
| 179 | T2Line19W     | Near Parichaya<br>Marga     | 58.80    |               | 58.80  | 58.80    | 58.80    | 58.80   |     | 58.80  |         |
| 180 | R64           |                             | 123.00   |               | 123.00 | 123.00   | 123.00   | 123.00  |     | 123.00 |         |
| 181 | R6            | Shital Yadav<br>Clinic Road | 180.00   |               | 180.00 | 180.00   | 180.00   | 180.00  |     | 180.00 |         |
| 182 | R11           | Om Shanti<br>Marga          | 317.00   |               | 317.00 | 317.00   | 317.00   | 317.00  |     | 317.00 |         |
| 183 | R17           | Dharambad<br>East           | 230.00   |               | 230.00 | 230.00   | 230.00   | 230.00  |     | 230.00 |         |
| 184 | R23           |                             | 227.00   |               | 227.00 | 227.00   | 227.00   | 227.00  |     | 227.00 |         |



|     |                |              | ]        | Length in m   |          |          | Work Con | pleted   |     |          | S       |
|-----|----------------|--------------|----------|---------------|----------|----------|----------|----------|-----|----------|---------|
| SN  | Road Number    | Name of Road | Prog     | ress          |          | Sub-base | Base     | Asphalt  | RCC | Paint    | lark    |
| BIT | Road Rumber    |              | Previous | This<br>Month | Total    | m        | m        | m        | m   | m        | Remarks |
| 185 | R13            |              | 226.00   |               | 226.00   | 226.00   | 226.00   | 226.00   |     | 226.00   |         |
| 186 | T2Line18D(N19) |              | 80.00    |               | 80.00    | 80.00    | 80.00    | 80.00    |     | 80.00    |         |
| 187 | T2Line19K      |              | 205.00   |               | 205.00   | 205.00   | 205.00   | 205.00   |     | 205.00   |         |
| 188 | T1Line7A       |              | 75.00    |               | 75.00    | 75.00    | 75.00    | 75.00    |     |          |         |
| 189 | T1Line7B       |              | 86.00    |               | 86.00    | 86.00    | 86.00    | 86.00    |     |          |         |
| 190 | T1Line7C       |              | 70.00    |               | 70.00    | 70.00    | 70.00    | 70.00    |     |          |         |
| 191 | T1Line 8C      |              | 76.00    |               | 76.00    | 76.00    | 76.00    | 76.00    |     |          |         |
| 192 | T1Line8B       | Mukti marga  | 300.00   | 50.00         | 350.00   | 350.00   | 350.00   | 155.00   |     |          |         |
| 193 | R70            |              | 216.00   |               | 216.00   | 216.00   | 216.00   | 70.00    |     |          |         |
| 194 | R4             |              | 1,200.00 |               | 1,200.00 | 1,200.00 | 1,200.00 | 1,200.00 |     | 1,150.00 |         |
| 195 | R83            |              | 370.00   |               | 370.00   | 370.00   | 370.00   | 370.00   |     |          |         |



|     |                             |              | ]        | Length in m   | l      |          | Work Con | pleted  |     |        | S       |
|-----|-----------------------------|--------------|----------|---------------|--------|----------|----------|---------|-----|--------|---------|
| SN  | Road Number                 | Name of Road | Prog     | ress          |        | Sub-base | Base     | Asphalt | RCC | Paint  | lark    |
| 511 | Road Pulliber               |              | Previous | This<br>Month | Total  | m        | m        | m       | m   | m      | Remarks |
| 196 | R5(Satghumti to<br>Mahabir) |              | 200.00   |               | 200.00 | 200.00   | 200.00   | 200.00  |     | 200.00 |         |
| 197 | R71                         |              | 105.00   |               | 105.00 | 105.00   | 105.00   | 105.00  |     |        |         |
| 198 | T1Line 17                   |              | 85.00    |               | 85.00  | 85.00    | 85.00    | 85.00   |     |        |         |
| 199 | T1Line16                    |              | 215.00   |               | 215.00 | 215.00   | 215.00   | 215.00  |     |        |         |
| 200 | T3Line7                     |              | 120.00   |               | 120.00 | 120.00   | 120.00   | 120.00  |     |        |         |
| 201 | T3Line26E                   |              | 250.00   | 98.00         | 348.00 | 348.00   | 250.00   | 250.00  |     |        |         |
| 202 | T3Line26H                   |              | 55.00    | 3.65          | 58.65  | 58.65    | 58.65    | 58.65   |     |        |         |
| 203 | R7(R28-R29)                 |              | 200.00   | (13.40)       | 186.60 | 186.60   | 186.60   | 186.60  |     |        |         |
| 204 | R4 Branch                   |              | 200.00   |               | 200.00 | 200.00   | 200.00   | 200.00  |     | 200.00 |         |
| 205 | N34                         |              | 175.24   | (48.74)       | 126.50 | 126.50   | 126.50   | 126.50  |     | 175.24 |         |
| 206 | R6                          |              | 460.00   |               | 460.00 | 460.00   | 460.00   | 460.00  |     | 460.00 |         |



|     |                                |              | ]        | Length in m   |        |          | Work Con | pleted  |     |       | S       |
|-----|--------------------------------|--------------|----------|---------------|--------|----------|----------|---------|-----|-------|---------|
| SN  | Road Number                    | Name of Road | Prog     | ress          |        | Sub-base | Base     | Asphalt | RCC | Paint | lar     |
| 511 | Koau Tumber                    |              | Previous | This<br>Month | Total  | m        | m        | m       | m   | m     | Remarks |
| 207 | R111                           |              | 160.00   | (4.30)        | 155.70 | 155.70   | 155.70   | 155.70  |     |       |         |
| 208 | R111(A)                        |              | 65.00    | (4.10)        | 60.90  | 60.90    | 60.90    | 60.90   |     |       |         |
| 209 | R112                           |              | 140.00   | 76.50         | 216.50 | 216.50   | 216.50   | 216.50  |     |       |         |
| 210 | T3L-26                         |              | 130.00   |               | 130.00 |          |          |         |     |       |         |
| 211 | Mahendra to R12<br>(T1Line 13) |              | 230.00   | (19.80)       | 210.20 | 210.20   | 210.20   | 210.20  |     |       |         |
| 212 | T3Line24B                      |              | 230.00   | (54.00)       | 176.00 | 176.00   | 176.00   | 176.00  |     |       |         |
| 213 | N1                             |              | 105.00   |               | 105.00 | 95.00    |          |         |     |       |         |
| 214 | R121                           |              | 125.00   | (27.80)       | 97.20  | 97.20    | 97.20    | 97.20   |     |       |         |
| 215 | T3 Line 11F (Gyan<br>Marga)    |              | 70.00    |               | 70.00  |          |          |         |     |       |         |
| 216 | B2 Branch                      |              | 80.00    | 15.50         | 95.50  | 95.50    | 95.50    | 95.50   |     |       |         |
| 217 | N40 (Near R29)                 |              | 135.00   | (11.00)       | 124.00 | 124.00   | 124.00   | 124.00  |     |       |         |
| 218 | N39                            |              | 95.00    |               | 95.00  |          |          |         |     |       |         |



|     |                               |              | ]        | Length in m   | l      |          | Work Con | npleted |     |          | S       |
|-----|-------------------------------|--------------|----------|---------------|--------|----------|----------|---------|-----|----------|---------|
| SN  | Road Number                   | Name of Road | Prog     | ress          |        | Sub-base | Base     | Asphalt | RCC | Paint    | lark    |
| SI  | Road Rumber                   |              | Previous | This<br>Month | Total  | m        | m        | m       | m   | m        | Remarks |
| 219 | T2Line 19o(<br>Prativa chowk) |              | 60.00    |               | 60.00  |          |          |         |     |          |         |
| 220 | N15                           |              | 50.00    |               | 50.00  |          |          |         |     |          |         |
| 221 | N35                           |              | 80.00    | 1.00          | 81.00  | 81.00    | 81.00    | 81.00   |     |          |         |
| 222 | Ghoghapaini                   |              | 650.00   | 257.00        | 907.00 | 907.00   | 650.00   | 650.00  |     | 650.00   |         |
| 223 | R3 - Under<br>STIUEIP         |              |          |               | -      |          |          |         |     | 4,000.00 |         |
| 224 | Barganchhi to<br>Durga chowk  |              |          | 603.00        | 603.00 | 603.00   | 603.00   | 603.00  |     |          |         |
| 225 | T3L27 - Branch1               |              |          | 134.30        | 134.30 | 134.30   | 134.30   | 134.30  |     |          |         |
| 226 | R109                          |              |          | 128.00        | 128.00 | 128.00   | 128.00   | 128.00  |     |          |         |
| 227 | R109                          | R107 - South |          | 97.00         | 97.00  | 97.00    | 97.00    |         |     |          |         |
| 228 | S13 Branch (East)             |              |          | 51.80         | 51.80  | 51.80    | 51.80    | 51.80   |     |          |         |
| 229 | Durga Chowk to<br>R2          |              |          | 170.40        | 170.40 | 170.40   | 170.40   | 170.40  |     | 170.40   |         |
| 230 | R14                           |              |          | 522.50        | 522.50 | 522.50   |          |         |     |          |         |



|     |                         |                              | ]         | Length in m   | l         |           | Work Con  | npleted   |        |           | S       |
|-----|-------------------------|------------------------------|-----------|---------------|-----------|-----------|-----------|-----------|--------|-----------|---------|
| SN  | Road Number             | Name of Road                 | Prog      | ress          |           | Sub-base  | Base      | Asphalt   | RCC    | Paint     | lar     |
| DIV | ittouu i tumbei         |                              | Previous  | This<br>Month | Total     | m         | m         | m         | m      | m         | Remarks |
| 231 | Keshaliya Marga         |                              |           | 735.16        | 735.16    | 735.16    | 735.16    |           |        |           |         |
| 232 | New Jyoti Marga         |                              |           | 163.00        | 163.00    | 163.00    |           |           |        |           |         |
| 233 | East of Banjara<br>Road |                              |           | 200.00        | 200.00    | 200.00    | 200.00    |           |        |           |         |
| 234 | R108                    | North of R107                |           | 95.00         | 95.00     | 95.00     |           |           |        |           |         |
| 235 | S13                     | East of R2                   |           | 210.00        | 210.00    | 210.00    |           |           |        |           |         |
| 236 | T1L14B                  | West south of<br>Nepal Bazar |           | 120.00        | 120.00    |           |           |           |        |           |         |
| 237 | T1L14C                  | West south of<br>Nepal Bazar |           | 65.00         | 65.00     | 65.00     |           |           |        |           |         |
|     | Total                   |                              | 71,758.73 | 4,524.87      | 76,283.60 | 75,748.60 | 73,324.50 | 71,831.34 | 210.00 | 69,152.83 |         |



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

|    |                |                  |          | Progress in   | m          |            | Footpath               |                              |         |
|----|----------------|------------------|----------|---------------|------------|------------|------------------------|------------------------------|---------|
| SN | Road<br>Number | Туре*            | Previous | This<br>Month | Cumulative | Length (m) | Avg.<br>Breadth<br>(m) | Quantity<br>(m <sup>2)</sup> | Remarks |
| 1  | R2             | Precast<br>block | 1,502.00 | 500.00        | 2,002.00   | 2,002.00   | 0.98                   | 1,961.96                     | RHS     |
| 2  | R2             | Precast<br>block | 1,202.00 | 500.00        | 1,702.00   | 1,702.00   | 1.10                   | 1,872.20                     | LHS     |
| 3  | R29            | Precast<br>block | 330.00   |               | 330.00     | 330.00     | 0.90                   | 297.00                       | RHS     |
| 4  | R29            | Precast<br>block | 330.00   |               | 330.00     | 330.00     | 0.90                   | 297.00                       | LHS     |
| 5  | R28            | Precast<br>block | 322.00   |               | 322.00     | 322.00     | 0.90                   | 289.80                       | RHS     |
| 6  | R28            | Precast<br>block | 335.00   |               | 335.00     | 335.00     | 0.90                   | 301.50                       | LHS     |
| 8  | R21            | Precast<br>block | 365.00   |               | 365.00     | 365.00     | 1.00                   | 365.00                       | RHS     |
| 9  | R21            | Precast<br>block | 765.00   |               | 765.00     | 765.00     | 1.00                   | 765.00                       | LHS     |
| 10 | R78            | Precast<br>block | 75.00    |               | 75.00      | 75.00      | 1.20                   | 90.00                        | RHS     |
| 11 | R78            | Precast<br>block | 75.00    |               | 75.00      | 75.00      | 1.20                   | 90.00                        | LHS     |
| 12 | R77            | Precast<br>block | 115.00   |               | 115.00     | 115.00     | 0.90                   | 103.50                       | RHS     |
| 13 | R77            | Precast<br>block | 115.00   |               | 115.00     | 115.00     | 0.90                   | 103.50                       | LHS     |
| 14 | R76            | Precast<br>block | 275.00   |               | 275.00     | 275.00     | 0.95                   | 261.25                       | RHS     |
| 15 | R76            | Precast<br>block | 275.00   |               | 275.00     | 275.00     | 0.95                   | 261.25                       | LHS     |
| 16 | R75            | Precast<br>block | 160.00   |               | 160.00     | 160.00     | 0.95                   | 152.00                       | RHS     |
| 17 | R75            | Precast<br>block | 160.00   |               | 160.00     | 160.00     | 0.95                   | 152.00                       | LHS     |
| 18 | R10            | Precast<br>block | 700.00   |               | 700.00     | 700.00     | 0.95                   | 665.00                       | RHS     |
| 19 | R10            | Precast<br>block | 700.00   |               | 700.00     | 700.00     | 0.95                   | 665.00                       | LHS     |
| 20 | R31            | Precast<br>block | 175.00   |               | 175.00     | 175.00     | 0.95                   | 166.25                       | RHS     |
| 21 | R31            | Precast<br>block | 175.00   |               | 175.00     | 175.00     | 0.95                   | 166.25                       | LHS     |
| 22 | R32            | Precast<br>block | 185.00   |               | 185.00     | 185.00     | 0.30                   | 55.50                        | RHS     |



|    |                |                  |          | Progress in   | m          |            | Footpath               |                              |         |
|----|----------------|------------------|----------|---------------|------------|------------|------------------------|------------------------------|---------|
| SN | Road<br>Number | Туре*            | Previous | This<br>Month | Cumulative | Length (m) | Avg.<br>Breadth<br>(m) | Quantity<br>(m <sup>2)</sup> | Remarks |
| 23 | R32            | Precast<br>block | 185.00   |               | 185.00     | 185.00     | 0.30                   | 55.50                        | LHS     |
| 24 | R33            | Precast<br>block | 285.00   |               | 285.00     | 285.00     | 0.90                   | 256.50                       | RHS     |
| 25 | R33            | Precast<br>block | 170.00   |               | 170.00     | 170.00     | 0.90                   | 153.00                       | LHS     |
| 26 | R16            | Precast<br>block | 170.00   |               | 170.00     | 170.00     | 1.20                   | 204.00                       | RHS     |
| 27 | R16            | Precast<br>block | 170.00   |               | 170.00     | 170.00     | 1.20                   | 204.00                       | LHS     |
| 28 | R6             | Precast<br>block | 700.00   |               | 700.00     | 700.00     | 1.20                   | 840.00                       | RHS     |
| 29 | R6             | Precast<br>block | 700.00   |               | 700.00     | 700.00     | 1.20                   | 840.00                       | LHS     |
| 30 | B1             | Precast<br>block | 490.00   |               | 490.00     | 490.00     | 1.20                   | 588.00                       | RHS     |
| 31 | B1             | Precast<br>block | 490.00   |               | 490.00     | 490.00     | 3.40                   | 1,666.00                     | LHS     |
| 32 | B2 (2)         | Precast<br>block | 715.00   |               | 715.00     | 715.00     | 0.59                   | 421.85                       | RHS     |
| 33 | B2 (2)         | Precast<br>block | 715.00   |               | 715.00     | 715.00     | 1.65                   | 1,179.75                     | LHS     |
| 34 | B2 (1)         | Precast<br>block | 131.00   |               | 131.00     | 131.00     | 2.60                   | 340.60                       | RHS     |
| 35 | B2 (1)         | Precast<br>block | 131.00   |               | 131.00     | 131.00     | 0.90                   | 117.90                       | LHS     |
| 36 | В3             | Precast<br>block | 1,160.00 |               | 1,160.00   | 1,160.00   | 2.33                   | 2,702.80                     | RHS     |
| 37 | В3             | Precast<br>block | 670.00   |               | 670.00     | 670.00     | 0.70                   | 469.00                       | LHS     |
| 38 | S11            | Precast<br>block | 112.00   |               | 112.00     | 112.00     | 0.95                   | 106.40                       | RHS     |
| 39 | S11            | Precast<br>block | 75.00    |               | 75.00      | 75.00      | 1.21                   | 90.75                        | LHS     |
| 40 | Rani           | Precast<br>block | 425.00   |               | 425.00     | 425.00     | 1.00                   | 425.00                       | RHS     |
| 41 | Rani           | Precast<br>block | 425.00   |               | 425.00     | 425.00     | 1.00                   | 425.00                       | LHS     |
| 42 | R3             | Precast<br>block | 310.00   |               | 310.00     | 310.00     | 1.10                   | 341.00                       | RHS     |
| 43 | R3             | Precast<br>block | 1,050.00 |               | 1,050.00   | 1,050.00   | 1.10                   | 1,155.00                     | LHS     |
| 44 | R27            | Precast<br>block | 400.00   |               | 400.00     | 400.00     | 1.10                   | 440.00                       | RHS     |



|    |                   |                  |           | Progress in   | m          |            | Footpath               |                              |         |
|----|-------------------|------------------|-----------|---------------|------------|------------|------------------------|------------------------------|---------|
| SN | Road<br>Number    | Туре*            | Previous  | This<br>Month | Cumulative | Length (m) | Avg.<br>Breadth<br>(m) | Quantity<br>(m <sup>2)</sup> | Remarks |
| 45 | R27               | Precast<br>block | 400.00    |               | 400.00     | 400.00     | 0.85                   | 340.00                       | LHS     |
| 46 | R26               | Precast<br>block | 300.00    |               | 300.00     | 300.00     | 1.23                   | 369.00                       | RHS     |
| 47 | R26               | Precast<br>block | 285.00    |               | 285.00     | 285.00     | 1.10                   | 313.50                       | LHS     |
| 48 | R25               | Precast<br>block | 205.00    |               | 205.00     | 205.00     | 1.00                   | 205.00                       | RHS     |
| 49 | R25               | Precast<br>block | 201.00    |               | 201.00     | 201.00     | 1.00                   | 201.00                       | LHS     |
| 50 | R7                | Precast<br>block | 620.00    | 630.00        | 1,250.00   | 1,250.00   | 0.85                   | 1,062.50                     | RHS     |
| 51 | R7                | Precast<br>block | 661.00    | 609.00        | 1,270.00   | 1,270.00   | 0.85                   | 1,079.50                     | LHS     |
| 52 | T3 Trunk -<br>R46 | Precast<br>block | 650.00    |               | 650.00     | 650.00     | 1.15                   | 747.50                       | RHS     |
| 53 | T3 Trunk -<br>R46 | Precast<br>block | 600.00    | 50.00         | 650.00     | 650.00     | 1.15                   | 747.50                       | LHS     |
| 54 | N27               | Precast<br>block | -         | 360.00        | 360.00     | 360.00     | 0.45                   | 162.00                       | RHS     |
| 55 | N27               | Precast<br>block | -         | 360.00        | 360.00     | 360.00     | 0.45                   | 162.00                       | LHS     |
| 56 | Sanihat<br>Road   | Precast<br>block | -         | 120.00        | 120.00     | 120.00     | 2.25                   | 270.00                       | LHS     |
| 57 | T3 Line6A<br>- P1 | Precast<br>block | 150.00    |               | 150.00     | 150.00     | 0.85                   | 127.50                       | RHS     |
| 58 | T3 Line6A<br>- P1 | Precast<br>block | 150.00    |               | 150.00     | 150.00     | 0.85                   | 127.50                       | LHS     |
|    | Total =           |                  | 22,237.00 | 3,129.00      | 25,366.00  | 25,366.00  | 61.54                  | 28,017.51                    |         |



| SN | Description | Unit | Revised<br>Length | Total Up to<br>Previous<br>Month | This<br>Month | Total Up to<br>this Month | Progress |
|----|-------------|------|-------------------|----------------------------------|---------------|---------------------------|----------|
| 1  | Sub grade   | m    | 76,283.60         | 71,758.73                        | 4,524.87      | 76,283.60                 | 100.00%  |
| 2  | Sub Base    | m    | 76,283.60         | 70,568.73                        | 5,179.87      | 75,748.60                 | 99.30%   |
| 3  | Base        | m    | 76,283.60         | 69,498.93                        | 3,825.57      | 73,324.50                 | 96.12%   |
| 4  | Prime/Tack  | m    | 76,283.60         | 68,740.00                        | 3,091.34      | 71,831.34                 | 94.16%   |
| 5  | Asphalt     | m    | 76,283.60         | 68,537.93                        | 3,293.41      | 71,831.34                 | 94.16%   |
| 6  | Paint       | m    | 76,283.60         | 50,074.39                        | 19,078.44     | 69,152.83                 | 90.65%   |

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

## 3.1.4 ROAD SIDE DRAIN

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

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

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



|     |           |                          |          |          | Length in m | 1             |          | Work Co  | mpleted | s       |
|-----|-----------|--------------------------|----------|----------|-------------|---------------|----------|----------|---------|---------|
| SN  | Road      | Name of                  |          |          | Prog        | ress          |          | Brick    | RCC     | Remarks |
| 511 | Number    | Road                     | Original | Revised  | Previous    | This<br>Month | Total    | m        | m       | Rem     |
| 8   | S13       | Udaya Marga              | -        | 158.10   | 79.05       |               | 79.05    | 79.05    |         |         |
| 9   | N33       |                          | -        | 70.00    | 60.00       |               | 60.00    | 60.00    |         |         |
| 10  | R28       | Pustakalaya<br>Marg      | 340.00   | 278.00   | 139.00      |               | 139.00   | 139.00   |         |         |
| 11  | R90       | Shakti Marg              | 320.00   |          | 377.30      |               | 377.30   | 377.30   |         |         |
| 12  | R114      | Dharanidhar<br>Marg      | _        | 312.33   | 312.33      |               | 312.33   | 312.33   |         |         |
| 13  | R11       | Om Shiv<br>Marg          | -        |          | 204.25      |               | 204.25   | 204.25   |         |         |
| 14  | R18       |                          | -        | 382.50   | 389.50      |               | 389.50   | 389.50   |         |         |
| 15  | R17       |                          | -        |          | 372.00      |               | 372.00   | 372.00   |         |         |
| 16  | R113      | Kavi<br>Lekhnath<br>Marg | -        | 312.45   | 157.15      |               | 157.15   | 157.15   |         |         |
| 17  | R77       | Arniko Marg              | 97.00    |          | 80.00       |               | 80.00    | 80.00    |         |         |
| 18  | R76       | Mitra Marg               | 272.00   | 275.00   | 270.00      |               | 270.00   | 270.00   |         |         |
| 19  | N9        | Devi Marga               | -        |          | 222.58      |               | 222.58   | 222.58   |         |         |
| 20  | N4        |                          | -        | 170.00   | 162.20      |               | 162.20   | 162.20   |         |         |
| 21  | R33       | Tarun Marg               | -        | 265.00   | 283.15      |               | 283.15   | 283.15   |         |         |
| 22  | R36       | Gaurav Marg              | 218.00   |          | 221.80      |               | 221.80   | 221.80   |         |         |
| 23  | R86       | Janpath Marg             | 215.00   |          | 192.15      |               | 192.15   | 192.15   |         |         |
| 24  | R183      | Nava Jyoti<br>Marg       | 242.00   |          | 219.40      |               | 219.40   | 219.40   |         |         |
| 25  | R7a       |                          | 77.81    |          | 67.35       |               | 67.35    | 67.35    |         |         |
| 26  | Rani site | Rani B                   | -        | 650.00   | 365.33      |               | 365.33   | 365.33   |         |         |
| 27  | Rani site | Rani A                   | _        | 300.00   | 271.50      |               | 271.50   | 271.50   |         |         |
| 28  | N3        |                          | -        |          | 126.25      |               | 126.25   | 126.25   |         |         |
| 29  | N5        |                          | -        |          | 65.00       |               | 65.00    | 65.00    |         |         |
| 30  | R21       | Binayak<br>Marga         | -        | 390.00   | 194.13      |               | 194.13   | 194.13   |         |         |
| 31  | R2        | Main Road                | 2,060.00 | 2,060.00 | 2,793.50    |               | 2,793.50 | 2,793.50 |         |         |



|     |                                       |                                |          |         | Length in m | 1             |        | Work Co | mpleted | ~       |
|-----|---------------------------------------|--------------------------------|----------|---------|-------------|---------------|--------|---------|---------|---------|
| SN  | Road                                  | Name of                        |          |         | Prog        | ress          |        | Brick   | RCC     | lark    |
| 514 | Number                                | Road                           | Original | Revised | Previous    | This<br>Month | Total  | m       | m       | Remarks |
| 32  | T1L16B                                | Xenial Front                   | -        |         | 205.68      |               | 205.68 | 205.68  |         |         |
| 33  | T1L16A                                | Xenial South                   | -        | 160.00  | 160.74      |               | 160.74 | 160.74  |         |         |
| 34  | R75                                   | Tintoliya<br>Marga             | 135.00   | 135.00  | 143.00      |               | 143.00 | 143.00  |         |         |
| 35  | R122                                  | Amar Marga                     | -        |         | 256.00      |               | 256.00 | 256.00  |         |         |
| 36  | R18 Branch                            |                                | -        | 30.00   | 30.00       |               | 30.00  | 30.00   |         |         |
| 37  | R7(b)(Neuro<br>to sidhartha<br>chowk) | Siddhartha<br>Marga            | 317.00   | 317.00  | 365.00      |               | 365.00 | 365.00  |         |         |
| 38  | R12                                   | Sukra Path                     | -        |         | 846.50      |               | 846.50 | 846.50  |         |         |
| 39  | R42                                   | Jahada Marga                   | -        |         | 85.50       |               | 85.50  | 85.50   |         |         |
| 40  | R6                                    | Shahi Marg                     | 460.00   |         | 970.00      |               | 970.00 |         | 970.00  |         |
| 41  | R21(a)                                | DharamBadh<br>Junction         | -        | 160.00  | 95.00       |               | 95.00  | 95.00   |         |         |
| 42  | R188                                  | Shakti Marg                    |          | 120.00  | 115.60      |               | 115.60 | 115.60  |         |         |
| 43  | R40                                   | Brahma<br>Kumari Marga         | -        |         | 328.20      |               | 328.20 | 328.20  |         |         |
| 44  | Rani Site C                           |                                | -        | 100.00  | 97.50       |               | 97.50  | 97.50   |         |         |
| 45  | Ranit Site D                          |                                | -        | 131.45  | 131.45      |               | 131.45 | 131.45  |         |         |
| 46  | T3L21                                 | Moti Marga                     | 380.00   | 380.00  | 527.00      |               | 527.00 | 527.00  |         |         |
| 47  | T3L39                                 | Gaheli Marga                   | -        | 278.00  | 340.00      |               | 340.00 | 340.00  |         |         |
| 48  | T3 Line 39A                           |                                | -        | 90.00   | 139.00      |               | 139.00 | 139.00  |         |         |
| 49  | T3 L39B                               |                                | -        | -       | 58.50       |               | 58.50  | 58.50   |         |         |
| 50  | T2L27                                 | Bhumi<br>Prashasan<br>Junction | 92.00    | 80.00   | 79.50       |               | 79.50  | 79.50   |         |         |
| 51  | N2                                    |                                |          |         | 103.20      |               | 103.20 | 103.20  |         |         |
| 52  | T2 Line 26E                           | College Road                   | 80.00    | 80.00   | 90.00       |               | 90.00  | 90.00   |         |         |
| 53  | T2 Line 18C                           | Maisthan<br>Marga              | -        | 105.00  | 102.00      |               | 102.00 | 102.00  |         |         |
| 54  | T2Line 18A                            | Makalu Marga                   | 90.00    |         | 90.00       |               | 90.00  | 90.00   |         |         |
| 55  | R6 (T3L11i)                           |                                | -        | 275.00  | 265.00      |               | 265.00 | 265.00  |         |         |



## Regional Urban Development Project (RUDP)

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



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## Regional Urban Development Project (RUDP)

|     |                          |              |          |         | Length in m | 1             |        | Work Co | mpleted | s       |
|-----|--------------------------|--------------|----------|---------|-------------|---------------|--------|---------|---------|---------|
| SN  | Road                     | Name of      |          |         | Prog        | ress          |        | Brick   | RCC     | Remarks |
| 51  | Number                   | Road         | Original | Revised | Previous    | This<br>Month | Total  | m       | m       | Rem     |
| 78  | R105                     |              | 168.19   | 168.19  | 86.00       |               | 86.00  | 86.00   |         |         |
| 79  | R34                      | Prabhu Marg  | 151.00   | 151.00  | 158.35      |               | 158.35 | 158.35  |         |         |
| 80  | R35                      | Garima Marg  | 138.00   | 138.00  | 140.00      |               | 140.00 | 140.00  |         |         |
| 81  | R107                     |              | 180.00   | 180.00  | 160.00      |               | 160.00 | 160.00  |         |         |
| 82  | T3L13D                   |              | 80.00    | 80.00   | 70.63       |               | 70.63  | 70.63   |         |         |
| 83  | T3L13E                   |              | 70.00    | 70.00   | 62.40       |               | 62.40  | 62.40   |         |         |
| 84  | T3L11E                   |              | 160.00   | 160.00  | 110.00      |               | 110.00 | 110.00  |         |         |
| 85  | B2                       |              |          |         | 210.00      |               | 210.00 | 210.00  |         |         |
| 86  | R78                      |              |          |         | 35.00       |               | 35.00  | 35.00   |         |         |
| 87  | T3L21B                   |              |          |         | 70.00       |               | 70.00  | 70.00   |         |         |
| 88  | T3L21A                   |              |          |         | 50.00       |               | 50.00  | 50.00   |         |         |
| 89  | R74                      |              |          |         | 96.00       |               | 96.00  | 96.00   |         |         |
| 90  | R46, (T3L7<br>and T3L22) | Rangeli Road |          |         | 400.00      |               | 400.00 | 400.00  |         |         |
| 91  | T3L7A                    |              |          |         | 125.00      |               | 125.00 | 125.00  |         |         |
| 92  | T3L8                     |              |          |         | 75.00       |               | 75.00  | 75.00   |         |         |
| 93  | R5, (T2 L24)             | Gudari Marga |          |         | 300.00      |               | 300.00 | 300.00  |         |         |
| 94  | R82                      |              |          |         | 190.00      |               | 190.00 | 190.00  |         |         |
| 95  | T1L13A                   |              |          |         | 100.00      |               | 100.00 | 100.00  |         |         |
| 96  | T1L14A                   |              |          |         | 150.00      |               | 150.00 | 150.00  |         |         |
| 97  | R68                      |              |          |         | 200.00      |               | 200.00 | 200.00  |         |         |
| 98  | T3L22A                   |              |          |         | 335.00      |               | 335.00 | 335.00  |         |         |
| 99  | T3L22B                   |              |          |         | 120.00      |               | 120.00 | 120.00  |         |         |
| 100 | T3L25C                   |              |          |         | 140.00      |               | 140.00 | 140.00  |         |         |
| 101 | T3L11B                   |              |          |         | 71.00       |               | 71.00  | 71.00   |         |         |
| 102 | T3L11M                   |              |          |         | 82.00       |               | 82.00  | 82.00   |         |         |



|     |                    |                  | Length in m |         |          |               |          | Work Co  | mpleted | S       |
|-----|--------------------|------------------|-------------|---------|----------|---------------|----------|----------|---------|---------|
| SN  | Road               | Name of          |             |         | Prog     | ress          |          | Brick    | RCC     | ark     |
| 514 | Number             | Road             | Original    | Revised | Previous | This<br>Month | Total    | m        | m       | Remarks |
| 103 | R106               |                  |             |         | 70.00    |               | 70.00    | 70.00    |         |         |
| 104 | R41                |                  |             |         | 520.00   |               | 520.00   | 520.00   |         |         |
| 105 | T2L19B             |                  |             |         | 130.00   |               | 130.00   | 130.00   |         |         |
| 106 | R30                |                  |             |         | 180.00   |               | 180.00   | 180.00   |         |         |
| 107 | T3L13C             |                  |             |         | 300.00   |               | 300.00   | 300.00   |         |         |
| 108 | T3L13J             |                  |             |         | 72.53    |               | 72.53    | 72.53    |         |         |
| 109 | T2L18Y             |                  |             |         | 100.00   |               | 100.00   | 100.00   |         |         |
| 110 | T2L19P             |                  |             |         | 114.38   |               | 114.38   | 114.38   |         |         |
| 111 | T2L19Q             |                  |             |         | 126.55   |               | 126.55   | 126.55   |         |         |
| 112 | R9A                |                  |             |         | 109.30   |               | 109.30   | 109.30   |         |         |
| 113 | R9B                |                  |             |         | 85.00    |               | 85.00    | 85.00    |         |         |
| 114 | T2L18K             |                  |             |         | 74.70    |               | 74.70    | 74.70    |         |         |
| 115 | T3L23C             |                  |             |         | 105.00   |               | 105.00   | 105.00   |         |         |
| 116 | T2L24E             | Mahabir<br>Marga |             |         | 216.00   |               | 216.00   | 216.00   |         |         |
| 117 | R44                |                  |             |         | 700.00   |               | 700.00   | 700.00   |         |         |
| 118 | R110               |                  |             |         | 250.00   |               | 250.00   | 250.00   |         |         |
| 119 | Parichaya<br>Marga |                  |             |         | 190.00   |               | 190.00   | 190.00   |         |         |
| 120 | T3L25B             |                  |             |         | 195.00   |               | 195.00   | 195.00   |         |         |
| 121 | T1L5, 5A           |                  |             |         | 590.00   |               | 590.00   | 590.00   |         |         |
| 122 | T2L19Y             |                  |             |         | 150.00   |               | 150.00   | 150.00   |         |         |
| 123 | T3 Trunk           |                  |             |         | 1,555.08 |               | 1,555.08 | 1,555.08 |         |         |
| 124 | T2L19F             |                  |             |         | 118.00   |               | 118.00   | 118.00   |         |         |
| 125 | T2L18D             |                  |             |         | 75.00    |               | 75.00    | 75.00    |         |         |
| 126 | R19                |                  |             |         | 226.00   |               | 226.00   | 226.00   |         |         |
| 127 | R83                | Shiva Marga      |             |         | 480.00   |               | 480.00   | 480.00   |         |         |



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



## Regional Urban Development Project (RUDP)

|     |                |                                  |          |         | Length in m | l             |           | Work Co   | mpleted | S       |
|-----|----------------|----------------------------------|----------|---------|-------------|---------------|-----------|-----------|---------|---------|
| SN  | Road           | Name of                          |          |         | Prog        | ress          |           | Brick     | RCC     | Remarks |
| 511 | Number         | Road                             | Original | Revised | Previous    | This<br>Month | Total     | m         | m       | Rem     |
| 153 | R17, T3L35     |                                  |          |         | 227.00      |               | 227.00    | 227.00    |         |         |
| 154 | T3L20          | Janani Marga                     |          |         | 275.00      |               | 275.00    | 275.00    |         |         |
| 155 | N34,<br>T3L31A |                                  |          |         | 168.00      |               | 168.00    | 168.00    |         |         |
| 156 | T2L19W         | Bhugol Marga                     |          |         | 57.00       |               | 57.00     | 57.00     |         |         |
| 157 | T2L19V         | Bhugol Marga                     |          |         | 90.00       |               | 90.00     | 90.00     |         |         |
| 158 | T1L8B          | School Marga                     |          |         | 285.00      |               | 285.00    | 285.00    |         |         |
| 159 | T2L19K         | Sundar Marga                     |          |         | 207.00      |               | 207.00    | 207.00    |         |         |
| 160 | T2L190         |                                  |          |         | 70.00       |               | 70.00     | 70.00     |         |         |
| 161 | T3L26E         | R29 Branch 3                     |          |         | 248.00      |               | 248.00    | 248.00    |         |         |
| 162 | T1L16C         | CPN-UML<br>office<br>opposite    |          |         | 204.00      |               | 204.00    | 204.00    |         |         |
| 163 | T1L17          | R181R90                          |          |         | 84.60       |               | 84.60     | 84.60     |         |         |
| 164 | R70            | Himalaya<br>Road                 |          |         | 200.00      |               | 200.00    | 200.00    |         |         |
| 165 | R6             | Abadhnarayan<br>Memorial<br>Road |          |         | 400.00      |               | 400.00    | 400.00    |         |         |
| 166 | R71            | Morang<br>Sahakari<br>Hospital   |          |         | 107.00      |               | 107.00    | 107.00    |         |         |
| 167 | T1L13          | Om Shiv<br>Marg                  |          |         | 72.50       |               | 72.50     | 72.50     |         |         |
| 168 | R4 Branch      | Jatuwa Marga                     |          |         | 185.00      |               | 185.00    | 185.00    |         |         |
| 169 | N1             |                                  |          |         | 100.00      |               | 100.00    | 100.00    |         |         |
| 170 | R111           |                                  |          |         | 215.00      |               | 215.00    | 215.00    |         |         |
| 171 | N40            |                                  |          |         | 30.00       |               | 30.00     | 30.00     |         |         |
| 172 | T3L24B         | Asta<br>Chiranjivi<br>Marga      |          |         | 72.00       |               | 72.00     | 72.00     |         |         |
| 173 | Rani           | Parjatantra<br>Marga             |          |         |             | 78.58         | 78.58     | 78.58     |         |         |
|     | Total          |                                  |          |         | 39,122.11   | 78.58         | 39,200.69 | 37,740.69 | 1460.00 |         |



## **3.2.ENVIRONMENTAL ASPECT**

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

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

## 3.2.1 BORROW/ QUARRY SITES

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

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

## 3.2.2 DISPOSAL OF SPOIL AND CONSTRUCTION WASTE

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

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

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

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

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



| S. No. | Location of Camp          | Details  | Remarks   |
|--------|---------------------------|--|---|
| 1      | Amar Tole, Biratnagar – 8 | Three storey building in 2.5 Katha<br>land with 5 Nos. of toilet with<br>facilities mentioned in bullet No.:<br>3.2.3 of this report.  | Have proper electric<br>lightning system, water<br>supply,  |
| 2      | Panchali, Biratnagar – 11 | <ul> <li>Office space three &amp; 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.</li> <li>Staff quarter is of one storey building with 2 Nos. of Toilet with facilities mentioned in bullet No.: 3.2.3 of this report.</li> <li>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.</li> </ul> | Have proper electric<br>lightning system, water<br>supply,  |
| 3      | Tinpaini, Biratnagar – 2  | Three storey building having land<br>area of 3 Katha with 5 Nos. of toilet<br>and facilities in toilets are mentioned<br>in bullet No.: 3.2.3 of this report.  | Have proper electric<br>lightning system, water<br>supply,  |
| 4      | Rani, Biratnagar – 15     | <ul> <li>Yard space in 10 Katha land with 4 Nos. of toilet with facilities mentioned in bullet No.: 3.2.3 of this report.</li> <li>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.</li> </ul>  | Have proper electric<br>lightning system, water<br>supply,  |
| 5      | Madhumara yard            | Occupied area of 9 Katha   | Have proper electric<br>lightning system, water<br>supply and toilets with<br>facilities mentioned in<br>bullet No.: 3.2.3 of this<br>report. |



## 3.2.3 PROVISION AND MAINTENANCE OF TOILETS

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

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

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

## 3.2.4 CRUSHING PLANTS

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

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

## 3.2.5 ASPHALT PLANTS AND BATCHING PLANTS

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

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

## 3.2.6 OCCUPATIONAL HEALTH AND SAFETY MEASURES

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

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

The project is the environmental improvement project and mainly constitutes sewerage and



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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 14<sup>th</sup> May, 2013 and has already been approved.

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

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

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

#### **3.3.SOCIAL ASPECT**

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

## 3.4. SAFEGUARD/ GESI COMPONENT

## 3.4.1 COMMUNITY AWARENESS:

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



to the users regarding it.

### 3.4.2 GRIEVANCE REDRESSES MECHANISM:

Although many grievances are received verbally and written, all Total 267 no. of grievances have been registered formally up to November 2020. Among them, 17 grievances are registered in GRC desk, 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.

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

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

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

# 3.4.4 STATUS OF SOCIAL AND ENVIRONMENTAL SAFEGUARD MEASURES

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

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

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



equipment's.

- 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 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, 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. The supply has been providing temporarily as per site condition and where required. Summary of water supply are as tabulated below:

| S.N. | Road Name            | Pipe Size (Inch) | Pipe Length (m.) | Remarks |
|------|----------------------|------------------|------------------|---------|
|      |                      | 1"               | 6.00             |         |
| 1    | B1- Kanchanbari      | 2"               | 619.00           |         |
| 1    |                      | 4"               | 700.00           |         |
|      |                      | 6"               | 34.00            |         |
|      |                      | Sub Total =      | 1,359.00         |         |
| 2    | T3L10E (Buddha marg) | 2"               | 738.40           |         |
|      |                      | Sub Total =      | 738.40           |         |
| 3    | T2I 10 (Dhamma nath) | 2"               | 542.40           |         |
| 3    | T3L10 (Dharma path)  | 3"               | 106.70           |         |
|      |                      | Sub Total =      | 649.10           |         |
| 4    | T3L39 (Gaheli marg)  | 2"               | 324.00           |         |
|      |                      | Sub Total =      | 324.00           |         |
| 5    | T3L39A               | 2"               | 207.00           |         |
|      |                      | Sub Total =      | 207.00           |         |



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| S.N. | Road Name                            | Pipe Size (Inch) | Pipe Length (m.) | Remarks |
|------|--------------------------------------|------------------|------------------|---------|
| 6    | T3L39B                               | 1.5"             | 210.00           |         |
|      |                                      | Sub Total =      | 210.00           |         |
| 7    | T3L23C                               | 2"               | 177.60           |         |
|      |                                      | Sub Total =      | 177.60           |         |
| 0    |                                      | 3"               | 122.70           |         |
| 8    | R21(Binayak marg & Prativa marg)     | 6"               | 22.00            |         |
|      |                                      | Sub Total =      | 144.70           |         |
| 9    | R29 (Santi marg)                     | 4"               | 18.40            |         |
|      |                                      | Sub Total =      | 18.40            |         |
| 10   | T3L21 (Moti marg)                    | 2"               | 1,083.60         |         |
|      |                                      | Sub Total =      | 1,083.60         |         |
| 11   | T3L22A (Indra marg)                  | 2"               | 819.00           |         |
|      |                                      | Sub Total =      | 819.00           |         |
| 12   | T3L22B                               | 2"               | 273.50           |         |
|      |                                      | Sub Total =      | 273.50           |         |
| 10   |                                      | 3"               | 291.50           |         |
| 13   | T3L5( Sanihat marg)                  | 8"               | 19.20            |         |
|      |                                      | Sub Total =      | 310.70           |         |
| 14   | R181                                 | 2"               | 396.00           |         |
|      |                                      | Sub Total =      | 396.00           |         |
| 15   | T3 trunk (Sanihat to Devkota Chowk)  | 3"               | 2,364.30         |         |
|      |                                      | Sub Total =      | 2,364.30         |         |
| 16   | T3trunk (Tinpaini to Hospital Chowk) | 3"               | 3,008.00         |         |
|      |                                      | Sub Total =      | 3,008.00         |         |
| 17   | T3L6 (Moti marg)                     | 2"               | 317.30           |         |
|      |                                      | Sub Total =      | 317.30           |         |
| 18   | T3L10F (Shiva marg)                  | 2"               | 306.70           |         |
|      |                                      | Sub Total =      | 306.70           |         |
| 19   | R24 (Prabhat marg)                   | 2"               | 769.00           |         |
|      |                                      | Sub Total =      | 769.00           |         |
| 20   | T3L18D                               | 2"               | 160.00           |         |
|      |                                      | Sub Total =      | 160.00           |         |
| 21   | R12(Shukra path)                     | 2"               | 300.00           |         |
|      |                                      | Sub Total =      | 300.00           |         |
| 22   | R6                                   | 2"               | 1,376.20         |         |
|      |                                      | Sub Total =      | 1,376.20         |         |
| ~~   |                                      | 2"               | 408.00           |         |
| 23   | T1L16C (Panchali marg)               | 4"               | 1.20             |         |
|      |                                      | Sub Total =      | 409.20           |         |



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| S.N. | Road Name            | Pipe Size (Inch) | Pipe Length (m.) | Remarks |
|------|----------------------|------------------|------------------|---------|
| 24   | R3 Branch            | 2"               | 24.00            |         |
|      |                      | Sub Total =      | 24.00            |         |
| 25   | R5 (Chulachuli marg) | 2"               | 483.00           |         |
|      |                      | Sub Total =      | 483.00           |         |
| 26   | R26 (Pasang marg)    | 2"               | 500.00           |         |
|      |                      | Sub Total =      | 500.00           |         |
|      |                      | Total =          | 16,728.70        |         |

#### Table – 5: Status of Labor at Site

| Labour    | Labour  |           | Comp | Composition Ethnic composition |         |       |        |         |                     |
|-----------|---------|-----------|------|--------------------------------|---------|-------|--------|---------|---------------------|
| class     | Skilled | Unskilled | Male | Female                         | Janjati | Dalit | Muslim | Madhesi | Brahmin/<br>Chhetri |
| Local     | 59      | 123       | 156  | 26                             | 11      | 65    | 35     | 71      | 0                   |
| Non local | 30      | 85        | 115  | 0                              | 5       | 33    | 6      | 71      | 0                   |
| Indian    | 0       | 0         | 0    | 0                              | 0       | 0     | 0      | 0       | 0                   |
| TOTAL     | 89      | 208       | 271  | 26                             | 16      | 98    | 41     | 142     | 0                   |



#### **3.5.FINANCIAL PLAN**

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

## 3.5.1 DISBURSEMENT RECORDS IN CONSTRUCTION

#### Table – 6: DISBURSEMENT RECORDS in CONSTRUCTION

| S.No. | Description | Submission<br>date               | Covering date  | Submitted<br>Amount(NRs) | Remarks                 |
|-------|-------------|----------------------------------|--|--------------------------|-------------------------|
| 1     | IPC 01      | 15 <sup>th</sup> October<br>2017 |  | 339,105,000.00           | Mobilization<br>Advance |
| 2     | IPC 02      | 2 <sup>nd</sup> April 2018       | $\begin{array}{llllllllllllllllllllllllllllllllllll$                 | 261,501,492.21           |                         |
| 3     | IPC 03      | 1 <sup>st</sup> July 2018        | 1 <sup>st</sup> April 2018 to 30 <sup>th</sup> June 2018             | 316,582,708.58           |                         |
| 4     | IPC 04      | 1 <sup>st</sup> October<br>2018  | 1 <sup>st</sup> July 2018 to<br>31 <sup>st</sup> September<br>2019   | 105,227,887.16           |                         |
| 5     | IPC 05      | 2 <sup>nd</sup> December<br>2018 | 1 <sup>st</sup> October 2018<br>to 30 <sup>th</sup> November<br>2018 | 95,951,603.44            |                         |
| 6     | IPC 06      | 31 <sup>st</sup> January<br>2019 | 1stDecember2018to31stJanuary 2019                                    | 264,937,394.98           |                         |
| 7     | IPC 07      | 12 <sup>th</sup> April 2019      | 1 <sup>st</sup> February 2019<br>to 31 <sup>st</sup> March<br>2019   | 308,805,662.97           |                         |
| 8     | IPC 08      | 9 <sup>th</sup> May 2019         | 1 <sup>st</sup> April 2019 to<br>30 <sup>th</sup> April 2019         | 106,210,198.68           |                         |
| 9     | IPC 09      | 10 <sup>th</sup> June 2019       | 1 <sup>st</sup> May 2019 to 31 <sup>st</sup> May 2019                | 90,419,375.33            |                         |
| 10    | IPC 10      | 11 <sup>th</sup> July 2019       | 1 <sup>st</sup> June 2019 to 30 <sup>th</sup> June 2019              | 67,863,056.59            |                         |



| S.No. | Description                        | Submission<br>date                | Covering date   | Submitted<br>Amount(NRs) | Remarks |
|-------|------------------------------------|-----------------------------------|---|--------------------------|---------|
| 11    | IPC 11                             | 30 <sup>th</sup> September 2019   | 1 <sup>st</sup> July 2019 to<br>30 <sup>th</sup> September<br>2019    | 95,296,297.30            |         |
| 12    | IPC 12                             | 3 <sup>rd</sup> November<br>2019  | 1 <sup>st</sup> October 2019<br>to 31 <sup>st</sup> October<br>2019   | 53,113,369.86            |         |
| 13    | IPC 13                             | 30 <sup>th</sup> November 2019    | 4 <sup>th</sup> June 2019 to 30 <sup>th</sup> June 2019               | 125,965,923.87           |         |
| 14    | IPC 14                             | 31 <sup>st</sup> December<br>2019 | 1 <sup>st</sup> December<br>2019 to 31 <sup>st</sup><br>December 2019 | 63,509,092.84            |         |
| 15    | IPC 15                             | 4 <sup>th</sup> February<br>2020  | 1 <sup>st</sup> Jan 2020 to 31 <sup>st</sup><br>Jan 2020              | 232,027,037.24           |         |
| 16    | IPC 16                             | 1 <sup>st</sup> March 2020        | 1 <sup>st</sup> Feb, 2020 to 29 <sup>th</sup> Feb, 2020               | 102,186,834.62           |         |
| 17    | IPC 17                             | 1 <sup>st</sup> July 2020         | 1 <sup>st</sup> March,2020 to<br>30 <sup>th</sup> June, 2020          | 153,448,663.15           |         |
| 18    | IPC 18                             | 05 <sup>th</sup> Oct. 2020        | 1 <sup>st</sup> July,2020 to<br>30 <sup>th</sup> Sep, 2020            | 90,563,317.45            |         |
| 19    | IPC 19                             | 2 <sup>nd</sup> Dec. 2020         | 1 <sup>st</sup> Nov,2020 to<br>30 <sup>th</sup> Nov, 2020             | 88,324,292.52            |         |
| 20    | IPC 20                             | 17 <sup>th</sup> Jan 2021         | 1 <sup>st</sup> Dec,2020 to<br>31st Dec, 2020                         | 70,349,421.43            |         |
|       | nount excluding<br>ation advance t | 6                                 |   | 2,692,283,630.22         |         |

#### Note:

- Revised EOT and VO-4 of the consultant (DSC) has been submitted to the Employer for perusal and timely approval.
- The cost claim has been determined and recommended by DSC and submitted to PIU for further action.
- Surveying works for As Built are in progress.



## 4. OBJECTIVES AND SCOPE OF WORKS

## 4.1.OBJECTIVES

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

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

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

## 4.2.SCOPE OF WORKS

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

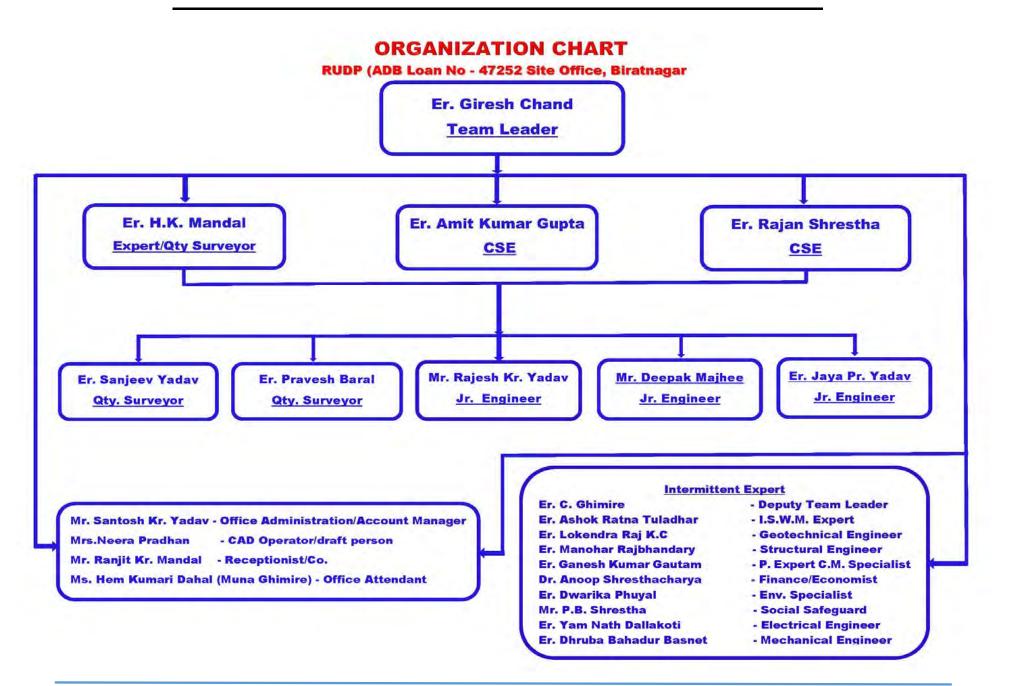
- Monthly progress report and quarterly progress report.
- Semi- annual Environmental monitoring report.
- Semi-annual Safeguard monitoring report.
- Annual progress report including annual Environmental / Social safeguard monitoring report, assets.
- Detailed draft final report for our inputs, including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



## **4.3.ORGANIZATION AND STAFFING**

## Attached







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

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

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

| SN | Name                                   | Designation                                 | Joining date               | Remarks  |
|----|--|---|----------------------------|--|
| 1  | Mr. Giresh Chand                       | Team Leader                                 | 6 <sup>th</sup> Sep 2017   |  |
| 2  | Mr. Ashok Ratna Tuladhar               | ISWM (Designer)                             | 6 <sup>th</sup> Sep 2017   | Intermittent   |
| 3  | Mr. Dwarika Phuyal                     | Environmental Safeguard<br>Expert           | 1 Nov 2017                 | Intermittent   |
| 4  | Mr. Prakash Bhakata Shrestha           | Social Safeguard<br>Monitoring Expert       | 26 <sup>th</sup> dec-2017  | Intermittent   |
| 5  | Mr. Hare Krishna Mandal                | Expert/Quantity surveyor                    | 1 <sup>st</sup> Nov 2017   |  |
| 6  | Mr. Amit Kumar Gupta                   | Construction Supervision<br>Engineer        | 1 <sup>st</sup> March 2018 |  |
| 7  | Mr. Rajan Shrestha                     | CSE/Quantity Surveyor                       | 7 <sup>th</sup> Nov 2017   | Working as CSE<br>from 1 <sup>st</sup> May<br>2019, already<br>resigned which<br>will be effective<br>from 1 <sup>st</sup> Feb 2021. |
| 8  | Mr. Rajesh Kumar Yadav                 | Junior Engineer-1                           | 6 <sup>th</sup> Sep 2017   |  |
| 9  | Mr. Sanjeev Yadav                      | Qty. Surveyor                               | 5 <sup>th</sup> Nov 2017   |  |
| 10 | Mr. Santosh Kumar Yadav                | Office<br>Administration/Account<br>Manager | 6 <sup>th</sup> Sep 2017   |  |
| 11 | Mr. Hem Kumari Dahal (Muna<br>Ghimire) | Office Attendant                            | 6 <sup>th</sup> Sep 2017   |  |
| 12 | Mr. Ranjit Kumar Mandal                | Receptionist                                | 10 <sup>th</sup> Dec 2017  |  |
| 13 | Mr. Pravesh Baral                      | Junior Engineer-2                           | 10 <sup>th</sup> Dec 2017  |  |
| 14 | Mr. J.P Yadav                          | Junior Engineer-3                           | 1 <sup>st</sup> March 2018 |  |
| 15 | Mr. Deepak Majhee                      | Junior Engineer-4                           | 1 <sup>st</sup> March 2018 |  |
| 16 | Mrs. Neera Pradhan                     | CAD operator/Draft Person                   | 10 <sup>th</sup> Dec 2017  |  |
| 17 | Mr. Youb Raj Poudel                    | Driver                                      | 10 <sup>th</sup> 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.

| N. d                               | Target This Month |             | Achievement This<br>Month |                   | Leading |             | Lagging |                    | <b>D</b> 1 |
|------------------------------------|-------------------|-------------|---------------------------|-------------------|---------|-------------|---------|--------------------|------------|
| Month                              | Monthly           | Accumulated | Monthly                   | Accumulated       | Monthly | Accumulated | Monthly | Accumulat<br>ed    | Remarks    |
| July-18                            | 0.15%             | 25.17%      | 0.78%                     | 25.18%            | 0.63%   | 0.01%       |         |                    | Leading    |
| August-18                          | 0.15%             | 25.32%      | 2.32%                     | 27.50%            | 2.17%   | 2.18%       |         |                    | Leading    |
| September-18                       | 5.71%             | 31.03%      | 1.22%                     | 28.72%            |         |             |         | -2.31%             | Lagging    |
| October-18                         | 7.72%             | 38.75%      | 2.30%                     | 31.03%            |         |             |         | -7.72%             | Lagging    |
| November-18                        | 7.72%             | 46.47%      | 5.20%                     | 36.22%            |         |             |         | -10.25%            | Lagging    |
| December-18                        | 7.95%             | 54.41%      | 3.40%                     | 39.62%            |         |             |         | -14.79%            | Lagging    |
| January-19                         | 7.96%             | 62.37%      | 5.65%                     | 45.27%            |         |             |         | -17.10%            | Lagging    |
| February-19                        | 7.96%             | 70.33%      | <u>5.11%</u>              | <del>50.38%</del> |         |             |         | <del>-19.95%</del> | Lagging    |
| February-19<br>(after<br>Revision) | 5.33%             | 50.03%      | 5.11%                     | 50.38%            |         | 0.35%       |         |                    | Leading    |
| March -19                          | 7.75%             | 57.77%      | 7.84%                     | 58.21%            |         | 0.44%       |         |                    | Leading    |
| April-19                           | 6.82%             | 64.59%      | 4.53%                     | 62.74%            |         |             |         | -1.85%             | Lagging    |
| May-19                             | 6.49%             | 71.08%      | 4.54%                     | 67.28%            |         |             |         | -3.80%             | Lagging    |
| June-19                            | 3.95%             | 75.03%      | 2.05%                     | 69.33%            |         |             |         | -5.70%             | Lagging    |
| July-19                            | 3.90%             | 78.93%      | 2.19%                     | 71.52%            |         |             |         | -7.41%             | Lagging    |
| August-19                          | 4.97%             | 83.90%      | 2.01%                     | 73.53%            |         |             |         | -10.37%            | Lagging    |
| September-19                       | 7.45%             | 91.35%      | 4.97%                     | 78.50%            | NA      | NA          | -2.48%  | -12.85%            | Lagging    |
| October-19                         | 8.56%             | 99.91%      | 1.14%                     | 79.64%            | NA      | NA          | -7.42%  | -20.27%            | Lagging    |
| November-19                        | 0.09%             | 100.00%     | 0.33%                     | 79.97%            | 0.24%   | NA          | NA      | -20.03%            | Lagging    |

## 5.2. PROGRESS ACHIEVED TILL DATE



| Month                                   | Target This Month |             |         | ement This<br>Aonth | Leading |             | Lagging |                 | Remarks  |
|---|-------------------|-------------|---------|---------------------|---------|-------------|---------|-----------------|----------|
| Month                                   | Monthly           | Accumulated | Monthly | Accumulated         | Monthly | Accumulated | Monthly | Accumulat<br>ed | Kemarks  |
| December-<br>2019 (after<br>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-<br>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%  | -8.27%          | Wrt VO-2 |
| January - 21                            | 5.17%             | 96.90%      | 5.18%   | 96.91%              | 0.01%   | 0.01%       |         |                 | Wrt VO-3 |

## 5.3.KEYEVENTS

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

#### Table 8: KEY DATES of EVENTS / ACTIVITIES

| S.<br>No. | Date                      | Activities/Events  | Remarks |
|-----------|---------------------------|--|---------|
| 1         |                           | As usual frequent site visit from the employer & PIU's representatives.  |         |
| 2         |                           | 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. |         |
| 3         |                           | The cost claim has been determined and recommended by DSC for further action to PIU.   |         |
| 4         |                           | Revised EOT and VO-4 of the consultant (DSC) has been submitted<br>to the Employer for perusal and timely approval.  |         |
| 5         | 5 <sup>th</sup> Jan 2021  | Chaired meeting at DSC, TL Office, Biratnagar  |         |
| 6         | 13 <sup>th</sup> Jan 2021 | VO-3 & EOT-4 of works have been approved.  |         |



## 6. DETAILS OF PRE CAST ACTIVITIES

| Physical Progress till date |              |      |            |                                     |                        |                           |                   |  |  |  |
|-----------------------------|--------------|------|------------|-------------------------------------|------------------------|---------------------------|-------------------|--|--|--|
|                             |              |      |            | Progress                            |                        |                           |                   |  |  |  |
| S.N.                        | Description  | Unit | BoQ        | Up to<br>Previous<br>month<br>(RM.) | This<br>Month<br>(RM.) | Total to<br>Date<br>(RM.) | Remarks           |  |  |  |
| 1                           | Precast Slab | No   |            | 96,051.00                           | 1050.00                | 97,101.00                 | Under<br>progress |  |  |  |
| 2                           | Kerb Stone   | Rm   | 127,247.02 | 102,290.80                          | 2000.00                | 104,290.80                | 81.95%            |  |  |  |

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

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

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

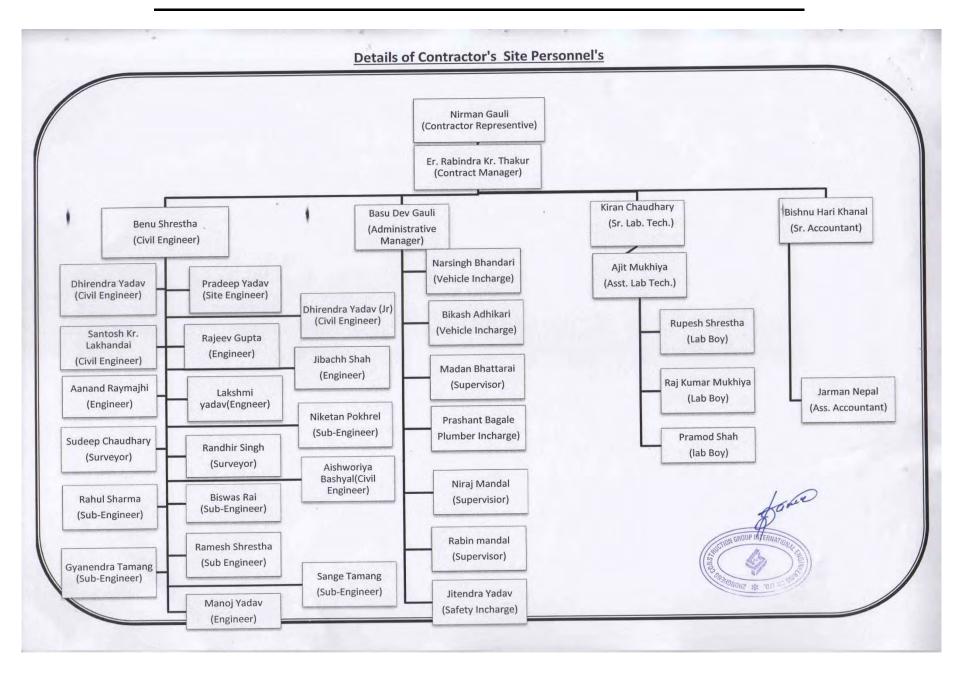


| Physical Progress till date |           |                  |             |                                     |      |                           |         |
|-----------------------------|-----------|------------------|-------------|-------------------------------------|------|---------------------------|---------|
|                             |           |                  |             | Progi                               | ress |                           |         |
| S.N. Description            |           | Diameter<br>(mm) | BoQ<br>(RM) | Up to<br>Previous<br>Month<br>(RM.) |      | Total to<br>Date<br>(RM.) | Remarks |
| 1                           | HDPE Pipe | 110.00           | 1,987.20    | 4,487.20                            | -    | 4,487.20                  |         |
| 2                           | HDPE Pipe | 200.00           | 16,656.00   | 16,500.00                           | -    | 16,500.00                 |         |
| 3                           | HDPE Pipe | 250.00           | 115.00      | 450.00                              | -    | 450.00                    |         |

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

| Physical Progress till date |             |                  |             |                                    |                        |                           |         |
|-----------------------------|-------------|------------------|-------------|------------------------------------|------------------------|---------------------------|---------|
|                             |             |                  |             | Progress                           |                        |                           |         |
| S.N.                        | Description | Diameter<br>(mm) | BoQ<br>(RM) | Up to<br>Previous<br>month<br>(RM) | This<br>Month<br>(Rm.) | Total to<br>Date<br>(RM.) | Remarks |
| 1                           | UPVC Pipe   | 160.00           | 5,050.00    | 5,050.00                           |                        | 5,050.00                  |         |
| 2                           | UPVC Pipe   | 110.00           | 5,050.00    | 5,050.00                           |                        | 5,050.00                  |         |







## 7. CONTRACTOR'S MANPOWER

#### Table 13: CONTRACTOR'S KEY STAFFS.

| S.No. | Position   | Minimum<br>Number Required<br>as per Contract | ZHONGHENG<br>CONSTRUCTION<br>Group | Remarks |
|-------|--|---|------------------------------------|---------|
| 1     | Project/Contract Manager (1 No)<br>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)-<br>10/5                          | 1   | -                                  |         |
| 6     | Safety Engineer  | -   | 1                                  |         |
| 7     | Site Engineer  | -   | 4                                  |         |
| 8     | Sub- Engineer  | -   | 3                                  |         |
| 9     | Accountant   | -   | 2                                  |         |
| 10    | Senior Lab Technician  | -   | 1                                  |         |
| 11    | Lab Technician   |   | 2                                  |         |
| 12    | Store Keeper   | -   | 1                                  |         |
| 13    | Vehicle In charge  | -   | 1                                  |         |
| 14    | Skilled Labors   |   | 89                                 |         |
| 15    | Unskilled Labors   |   | 208                                |         |



## 8. CONTRACTOR'S EQUIPMENT

#### Table 14: CONTRACTOR'S EQUIPMENT

| S.No. | Equipment Type and<br>Characteristics                               | Min Number<br>required as<br>per Contract | ZHONGHENG<br>CONSTRUCTI<br>ON 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   | 2                                   |                        |
| 9     | Track Dozer (120 to 180 HP)   | 1   | -                                   |                        |
| 10    | Bitumen distributor (4 to 6<br>Kilo Liters)                         | 1   | 1                                   |                        |
| 11    | Water browser ( minimum 5000 Liters)                                | 3   | 6                                   |                        |
| 12    | Chips spreader  | 1   | -                                   |                        |
| 13    | Bitumen decanter minimum<br>4000 Liters. ( preheating<br>container) | 2   | 2                                   |                        |
|       | Air compressor  | 2   | 2                                   |                        |
| 14    | Tipping Trucks  | 5   | 1                                   | Tipper-4               |
| 15    | Service vehicle   | 15  | 3                                   | Tractor = 12 Nos.      |



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

## 9. WORK PLAN FOR THE NEXT MONTH

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

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

Note:

- The contractor claimed for cost pursuant to relevant clauses of the contract which are perused, recommended and submitted to PIU for further action.
- As built drawings surveying work are in progress.



**ANNEX-1: Photographs of January 2021** 





Brooming work at Barganchhi to Durga chowk



Road closure information



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



#### Brooming at R109



Water sprinkling at R10



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

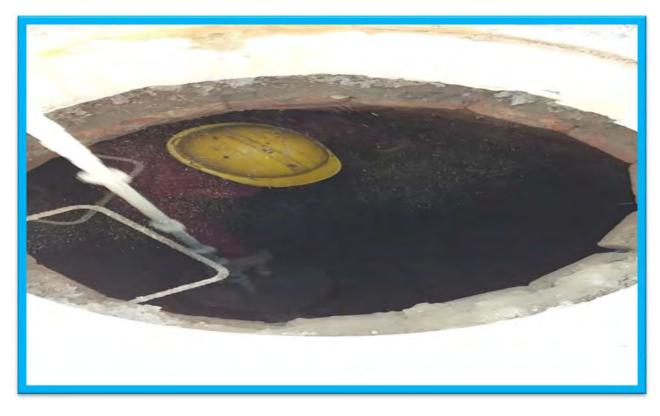


#### A view of Barganchhi to Pani Tanki road



#### A view of Ghogha Paini road





### Manhole cleansing work



Interlock work at Devkota chowk East



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



Interlock work at Devkota chowk



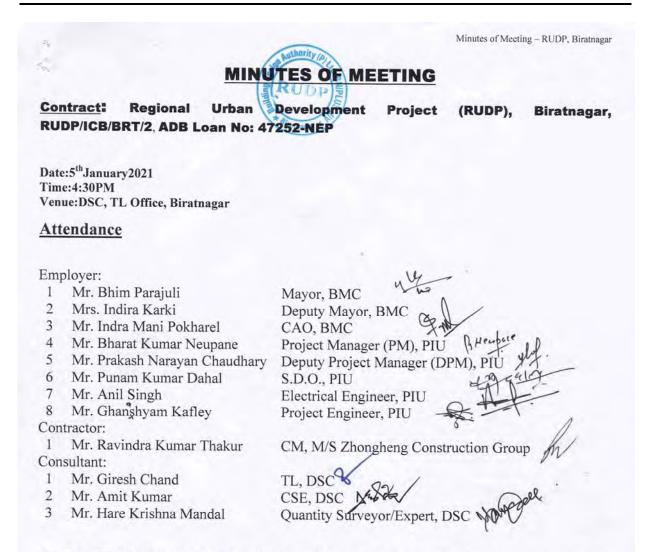
Soling work for culvert at Keshaliya Road



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

# **ANNEX-2: Minutes of Meeting January 2021**





TL, Mr. Giresh Chand welcomed all the participants in the meeting. Following matters were discussed and decided:

| S. NO. | Minutes   | Action by                 |
|--------|---|---------------------------|
| 1      | TL, Mr Chand briefed about present progress and status of the RUDP Project, as stated below till the end of December 2020:-   | The employer contractor & |
|        | Physical Progress =91.73%<br>Financial progress = 87.74% excluding PA.  | consultant                |
|        | Component wise progresses are-  | /                         |
|        | Road Rehabilitation (Asphalt) = 91.91%<br>Sewer Line = 100%   |                           |
|        | Sewer Line = $100\%$<br>Storm Drain = $100\%$<br>Road Side Drain = $99.80\%$ ;  | , t                       |
|        | TL, Mr Chand informed that Extension of Time for civil works, all documents for 45 days have been sent for approval as discussed with PCO/PMC and PIU. Mr Chand also said about ADB Mission |                           |



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

| S. NO. | Minutes   | Action by                                   |
|--------|---|---|
|        | virtual meeting and informed <sub>us</sub> that everyone from upper<br>management level has appreciated for our presentation, progresses,<br>report's submitted (like Monthly Progress report, Quarterly progress<br>report semi annual reports and annual progress report, etc.), revealed<br>satisfaction on proper implementation of SoP, occupational health &<br>safety, Environment & social safeguards and admired for good co-<br>ordination among 3's Parties (BMC/PIU, DSC & the Contractor).   |   |
| 2      | <ul> <li>TL, Mr Chand emphasized that as physical works under RUDP are almost completed so that as minuted earlier to perform internal VO to arrange the plus minus in BOQ quantities within the ceiling of approved amount. After internal VO, it has been observed/noted that some amount will be balanced due to curtailed appxi 1.5 km road and sewer line etc. Therefore TL, Mr Chand proposed few lanes/routes which are still untouched/incompleted but very essential to minimise the traffic regulation so that accumulated amount may utilise to upgrade the below mentioned roads.</li> <li>a) Tapariya Eye Hospital towards east</li> <li>b) R14</li> <li>c) Nava Jyoti Marga</li> <li>d) R122</li> <li>e) DUDBC to S9 (Pipal chowk)</li> <li>f) Culverts (Keshaliya road canal culvert either side to match with carriage way)</li> <li>g) Keshaliya road towards north approaches to BFM</li> <li>h) S13</li> <li>i) Ghogha Paini towards north</li> <li>j) Haat Kholq to north till Pipal chowk</li> <li>k) Nepal Rastra Bank to east – Haatkhola chowk, etc.</li> </ul> | The employer,<br>contractor &<br>consultant |
|        | <ul> <li>After extensive discussion, Mayor, Deputy Mayor, CAO and PM decided to execute at least the works stated below:</li> <li>a) Banjara chowk east (Tapariya Eye Hospital towards east) about 130m in length drain to drain Asphalt work,</li> <li>b) R14 to gravelling with either side earthen drain about 550m in length, Artfleastreet</li> <li>c) Nava Jyoti Marga about 165m in length drain to drain, Asphalt work,</li> <li>d) R122 about 220m in length5.5m wirth, Asphalt ( no drain)</li> <li>e) DUDBC east 150m in length up to S9 (Pipal chowk), Asphalt work</li> <li>f)Culvert ( Keshaliya road canal culvert either side to match with carriage way)</li> <li>g) S13 to gravelling about 210m in length, wirth 5.5 m</li> <li>h) Ghogha Paini towards north about 260m in length; wirth 7.0 m Asphalt/work.</li> </ul>   | bur A                                       |



| S. NO. | Minutes   | Action by                                   |
|--------|---|---|
|        | Further if ceiling amount allow then also include Nepal Rastra<br>Bank to east – Haatkhola chowk of length about 200.0 m.<br>As far as footpath is concerned, all parties decided and agreed to<br>place interlock in market area as well as dense urbanized areas and<br>exact location will be further exercise/trace as necessary as per site<br>condition jointly by PIU/DSC.   |   |
|        | At B2 stretch (DPS Road), available more cultivable land either<br>sides rather than the buildings so it is decided to place slab cover<br>over existing drain just in front of the houses which will be<br>economical too & help to cover the execution of above decided<br>proposal.  |   |
| 3      | TL, Mr Chand informed that almost the water supply works under<br>provisional items (100% funded by BMC) are completed but the<br>quantities need to review wrt to approved VO because at the either<br>ends to make connection with existing supply &to match with dia.<br>of pipes with existing supply pipe lines, few modifications have to<br>be made.<br>The Employer after discussion, agreed & decided to review the<br>quantities as per requirement/site and instructed submit to PIU for<br>approval & further action.   | The employer & Consultant                   |
| 4      | TL, Mr Chand also queried about the status of land for Integrated<br>Solid Waste Management (ISWM), as BMC committed to arrange<br>before the end of December 2020 but till date no further progress<br>has been achieved.<br>Mayor, Mr. Parajuli informed that purchase/acquisition of land for<br>ISWM is under progress and soon BMC will acquire it.  | The employer<br>& Consultant                |
| 5      | TL, Mr Chand informed that as per observation/ site condition<br>House Connection Chamber (HCC) may reduce wrt the original<br>scope. Also added that till date 2658 Nos. have been placed, about<br>397 Nos. still need to place at different location and as agreed<br>earlier to place the HCC at some location under STIUEIP which<br>now agreed by House owners are about 145 in Nos. as per PIU<br>record, in total will be 3200 Nos.<br>All the parties agreed and decided to place not more than <b>3200 Nos.</b><br>(HCC) in total instead of BoQ quantity. and also agreed that no<br>further installation of HCC (extra) shall entertain from PIU. | The employer,<br>contractor &<br>consultant |
| 5      | CM, Mr. Thakur raised the issues of payments pertaining to settlement of road due to existing old water supply pipes, stolen CI cover of sewer lines and drain top cover slabs other than RUDP. All the parties agreed and decided to pay after fair determination of fact.   | The employer,<br>contractor &<br>consultant |



| S. NO. | Minutes   | Action by    |
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| 5      | Discussion has been made about the estimated funds allocated in<br>Resettlement plan (RP) regarding the reinstatement of Public assets<br>like temples, fencing & boundary walls, etc. Then Mr Parajuli,<br>Mayor said that the works which mentioned in RP under RUDP<br>have been already completed by different stakeholders on initiative<br>of Biratnagar Metropolitan City (BMC) & the funds to do so are<br>also arranged by BMC so no need to refund the above fund to BMC<br>by the Project.<br>At last, Mayor, Deputy Mayor and CAO appreciated the<br>contribution of everyone & encouraged everyone and emphasized<br>to complete the project on time with quality. | The employer |
| 2      | W as all that and the   |              |
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Page 4 of Pages 4



# **ANNEX-3: Laboratory Test Results of January 2021**



|      |                       |                         |                                  |                  |                    | Mor<br>Ye        |                  |         | nuary<br>2021 |
|------|-----------------------|-------------------------|----------------------------------|------------------|--------------------|------------------|------------------|---------|---------------|
| -    |                       |                         | Location:-T1L8E                  |                  |                    | Typ              | e of             | -       | grade         |
| Sn.  | Lab.Ref no.           | Location/Chainage       | Source of Sample                 | Date of Testing  | MDD                | OMC              | PI%              | CBR%    |               |
| 1    | RUDP-SG-01            | T1L8B,(0+130)           | Existing Road                    | 18-Jan-21        | 1.951              | 8.00             | 6.54             | 8.10    |               |
| R    |                       |                         |                                  |                  |                    |                  |                  |         | -             |
|      | /                     |                         |                                  |                  |                    |                  | -                |         |               |
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| -    |                       | Citor Concernance House | 1                                | 0                | 121                | ANDU, N          | 181              |         |               |
|      |                       |                         | 11                               | 1.0001           | 100                | Par + NIS        | S.               | /       |               |
|      | 2 Martin              |                         | bil                              | Man              |                    |                  | ×                |         |               |
| 6    | hecked By<br>Engineer |                         | Submitted By<br>Contract Manager | Verified By      |                    |                  | Approv           | ved By  |               |
|      | endra yadav           |                         | Rabindra Kr. Thakur              | Qty Engineer/CSE | hrestha            |                  | Team L<br>Giresh |         |               |



|     | ·   | DNAL U                                 | Biratna<br>Contract                   | gar M<br>t No:- R | etropolit:<br>UDP/ICB/         | an City<br>/BRT-02          | IFRU                           | JECI                                       |               |
|-----|---|--|---------------------------------------|-------------------|--------------------------------|-----------------------------|--------------------------------|--|---------------|
|     |   |  | Summar                                | y Sheet           | of Field Densi                 | ity Test                    | Month                          | Janu                                       | ISTY          |
|     |   |  | Loca                                  | tion:-T1          | ISB                            |                             | Year                           | 203  | 21            |
|     |   |  | Loca                                  |                   | e content %                    | Densit                      | ype of Material<br>y(gm/cc)    | Sub-G<br>Compac                            |               |
| Sn. | Lab.Ref.no                                | Testing Date                           | Chainage                              | OMC%              | Field MC%                      | Max.Dry<br>density<br>gm/cc | Field Dry<br>density,<br>gm/cc | Compaction                                 | Specifie<br>% |
| 1   | RUDP-SG-FD-1, L/S                         |  | 0+150                                 | 8.00              | 6.99                           | 1.951                       | 1.858                          | %<br>95.25                                 | 95            |
| 2   | RUDP-SG-FD-1, R/S                         |  | 0+210                                 | 8.00              | 6.46                           | 1.951                       | 1.877                          | 96.22                                      | 95            |
| 3   | RUDP-SG-FD-1, L/S                         | 20-Jan-21                              | 0+260                                 | 8.00              | 6.23                           | 1.951                       | 1.864                          | 95.56                                      | 95            |
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| ZHC | ONGHENG CONSTRUCT<br>ENGINEER             | IPactor<br>ION GROUP IN<br>ING CO. LTD | TERNATI                               | ONAL              | WITH B.N. C                    | ESIGN AFT                   | CYPVT. LTD                     | TED IN JOINT<br>AND PLUS EN<br>MANDU, NEP  | CINEEDS       |
|     | Checked By<br>Engineer<br>Dhirendra yadav |  | Submitte<br>Contract M<br>Rabindra Kr | lanager           | Verified I<br>Expert Qty Surve | yor/CSE                     | Harming (d) Have               | Approved By<br>Team Leader<br>Giresh Chand |               |



|     |                         |  |   |  |          | Mon         |                  |        | nuary<br>2021 |
|-----|-------------------------|--|---|--|----------|-------------|------------------|--------|---------------|
|     |                         |  | Location:-N-15                          |  |          | Typ<br>Mate | e of             |        | grade         |
| Sn. | Lab.Ref no.             | Location/Chainage  | Source of Sample                        | Date of Testing                            | MDD      | OMC         | PI%              | CBR%   | Remark        |
| -   | RUDP-SG-01              | N-15,(0+030)   | Existing Road                           | 15-Jan-21                                  | 1.962    | 7.85        | 8.22             | 7.98   |               |
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| HON | GHENG CONS              | FRUCTION GROUP   | INTERNATIONAL<br>D                      | PLUS ENG                                   | H B.N.CO | & ARCH      | ANCY             | PVT LT | D AND         |
|     | hecked By               | and the second s | Submitted By                            | Verified By                                |          | Sar + NI    | Approv           | /ed By |               |
|     | Engineer<br>endra yadav | F  | Contract Manager<br>Rabindra Kr. Thakur | Expert Qty Surveyor<br>H.k. Mandal/Rajan S | /CSE     | 1           | Team L<br>Giresh | eader  |               |
|     |                         | 19   |   | <u>Franciska</u> inden vajan o             | nesula   |             | Giresh           | Chand  |               |



|      |                        | 1            | Contract                 | t No:- R   | etropolits<br>UDP/ICB/<br>of Field Densi | <b>BRT-02</b>               |                         |                             |              |
|------|------------------------|--------------|--------------------------|------------|--|-----------------------------|-------------------------|-----------------------------|--------------|
|      |                        |              |                          |            |  | E                           | Month                   | Janu                        |              |
|      |                        |              | Loc                      | ation:-N   | -15                                      | 1                           | Year<br>ype of Material | 202<br>Sub-G                |              |
|      | *                      |              |                          | Moistur    | e content %                              | Densit                      | y(gm/cc)                | Compac                      |              |
| Sn.  | Lab.Ref.no             | Testing Date | Chainage                 | OMC%       | Field MC%                                | Max.Dry<br>density<br>gm/cc | density,                | Compaction                  | Specifi<br>% |
| 1    | RUDP-SG-FD-1, L/S      | 17-Jan-21    | 0+020                    | 7.85       | 6.50                                     | 1.962                       | gm/cc<br>1.891          | %<br>96.40                  | 95           |
| 2    | RUDP-SG-FD-1, R/S      | 17-Jan-21    | 0+050                    | 7.85       | 5.97                                     | 1.962                       | 1.877                   | 95.66                       | 95           |
| R    |                        |              |                          |            |  |                             |                         |                             |              |
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| LIIU | ENGINEER               | ING CO. LTD  | ERNATI                   | IONAL      | WITH D.N. C                              | UNSULIAN                    | CY PVI. LID             | AND PLUS EN<br>MANDU, NEP   | GINEER       |
|      | A                      |              | G                        | 7          | 1200                                     | A. A                        | * Biratungar *          | X                           |              |
|      | Checked By<br>Engineer |              | Submitte                 |            | Verified I                               | By                          |                         | Approved By                 |              |
|      | Dhirendra yadav        |              | Contract N<br>Rabindra K | r Thakur   | Expert Qty Surve<br>I.K. Mandal/Rajar    | eyor/CSE<br>Shrestha        |                         | Team Leader<br>Giresh Chand |              |
| _    |                        |              |                          | - maxui [P | nn. mandal/Rajar                         | onrestha                    |                         | Giresh Chand                |              |



|     | REC         | B  | Contract No:- F                  | EVELOPM<br>etropolitan Ci<br>EUDP/ICB/BRT<br>Monthly Test Repo | ity<br>-02 | PRC                    | )JE        | СТ                  |               |
|-----|-------------|--|----------------------------------|--|------------|------------------------|------------|---------------------|---------------|
|     |             |  | Locati                           | on:-R-10   |            | Mor<br>Ye<br>Type      | ar<br>e of | 1                   | nuary<br>2021 |
| Sn. | Lab.Ref no. | Location/Chainage  | Source of Sample                 | Date of Testing  | MDD        | Mate                   | PI%        | CBR%                | grade         |
| 1   | RUDP-S-01   | R-10,(0+090)   | Existing Road                    | 19-Jan-21  | 2.002      | 8.05                   | 5.50       | 6.40                | Keinar        |
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| HON | GHENG CONS  | TRUCTION GROUP<br>GINEERING CO. LT   | INTERNATIONAL<br>D               | PLUS ENGL  | B.N. CO    | ARCHI                  | NCY I      | VT. LTI             | DAND          |
| Ć   | necked By   | And and a state of the state of | Submitted By<br>Contract Manager | Verified By<br>Expert Qty Surveyo                              | 10.4       | Biratnaya <sup>1</sup> | A          | oproved<br>eam Lead |               |
|     | endra Yadav |  | Rabindra Thakur                  | Mandal/Rajan Shres   | stha       |                        |            | resh Ch             |               |



|      | REG                        | IONAL                | Biratı<br>Contra | agar l<br>act No:- | EVELC<br>Metropoli<br>RUDP/ICI<br>et of Field Der | tan City<br>B/BRT-02 | T PRO                          | JECT  |               |
|------|----------------------------|----------------------|------------------|--------------------|---|----------------------|--------------------------------|---|---------------|
|      |                            |                      |                  |                    |   |                      | Month                          | Janu  |               |
| -    |                            |                      | Loc              | ation:-R           | -10   | -                    | Year                           | 202   |               |
|      |                            |                      |                  | Moistu             | re content %                                      | Densit               | ype of Material<br>(gm/cc)     | Sub-g<br>Compac                               | rade          |
| Sn.  | Lab.Ref.no                 | Testing Date         | Chanage          | OMC%               | Field MC%   | Max.Dry              | Field Dry<br>density,<br>gm/cc | Compaction                                    | Specifie<br>% |
| 1    | RUDP-SG-FD-1               | 21-Jan-21            | 0+060            | 8.05               | 6.41  | 2.002                | 1.922                          | %<br>96.02                                    | 95            |
| 2    | RUDP-SG-FD-1               | 21-Jan-21            | 0+100            | 8.05               | 6.24  | 2.002                | 1.922                          | 96.02   | 95            |
| 3    | RUDP-SG-FD-1               | 21-Jan-21            | 0+150            | 8.05               | 7.18  | 2.002                | 1.955                          | 97.64   |               |
| 4    | RUDP-SG-FD-1               | 21-Jan-21            | 0+190            | 8.05               | 6.15  | 2.002                | 1.955                          |   | 95            |
| R    |                            |                      |                  | 0.00               | 0.15  | 2.002                | 1.941                          | 96.98   | 95            |
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| CHON | GHENG CONSTRUC             | RING CO. LTD         | TERNAT           | TIONAL             | WITH B.N. CO                                      | DNSULTANC            | PVT. LTD A                     | TD IN JOINT V<br>ND PLUS ENGI<br>IANDU, NEPAL | NEEDS &       |
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|      |                            |                      | ha               |                    | 1   |                      | 100                            | 9   |               |
| -    | Checked By                 | S                    | ubmitted B       |                    | Verifie   | d By                 |                                | Approved By                                   |               |
|      | Engineer<br>hirendra Yaday |                      | ontract Mar      | nager              | Expert Qty Su                                     | rveyor/CSE           |                                | Team Leader                                   |               |
| D    | and a solution             | R                    | abindra Th       | akur               | I.K. Mandal/Ra                                    | jan Shrestha         | G                              | iresh Chand                                   |               |



|        | REC         | E C               | Contract No:- R                  | EVELOPMI<br>etropolitan Ci<br>EUDP/ICB/BRT<br>Monthly Test Report | -02     | PRC                      | )JE        | СТ       |                        |
|--------|-------------|-------------------|----------------------------------|---|---------|--------------------------|------------|----------|------------------------|
|        |             |                   |                                  | on:-R-12  |         | Mor<br>Ye<br>Typ<br>Mate | ar<br>e of | 2        | nuary<br>2021<br>grade |
| Sn.    | Lab.Ref no. | Location/Chainage | Source of Sample                 | Date of Testing   | MDD     | OMC                      | PI%        | CBR%     | Remark                 |
| 1      | RUDP-S-01   | R-12,(0+080)      | Existing Road                    | 23-Jan-21   | 1.960   | 7.65                     | 6.27       | 6.18     |                        |
|        | /           |                   |                                  |   |         |                          |            |          | -                      |
|        |             |                   |                                  |   |         |                          |            |          | -                      |
|        |             |                   |                                  |   |         |                          |            |          |                        |
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|        |             |                   |                                  |   |         |                          | <18        | >3       | ~                      |
| HONG   | HENG CONS   | TRUCTION GROUP    | INTERNATIONAL<br>D               | PLUS ENGI   | B.N. CO | NSULTA<br>ARCHI          | NCY F      | VT. LTI  | AND                    |
| Er     | ecked By    |                   | Submitted By<br>Contract Manager | Verified By<br>Expert Qty Surveyo                                 | A BIS   | hagar * Nir              | AI         | oproved  |                        |
| Dhirer | ndra Yadav  |                   | Rabindra Thakur                  | Mandal/Rajan Shres  | stha    |                          |            | resh Cha |                        |



|      | REG                                       | IONAL           | Biratr<br>Contra                         | agar I<br>act No:- | Metropoli<br>RUDP/ICI                      | tan City<br>B/BRT-02        | T PRO                          | JECT  |               |
|------|---|-----------------|--|--------------------|--|-----------------------------|--------------------------------|---|---------------|
|      |   |                 | Sumn                                     | ary She            | et of Field Den                            | sity Test                   | Month                          | Janu  | arv           |
|      | 1   |                 | Lo                                       | ation:-R           | 12   | -                           | Year                           | 202   | 21            |
|      |   |                 | Lou                                      |                    | re content %                               | Density                     | pe of Material<br>(gm/cc)      | Sub-G<br>Compac                             |               |
| Sn.  | Lab.Ref.no                                | Testing Date    | Chanage                                  | OMC%               | Field MC%                                  | Max.Dry<br>density<br>gm/cc | Field Dry<br>density,<br>gm/cc | Compaction %                                | Specifie<br>% |
| 1    | RUDP-SG-FD-1                              | 25-Jan-21       | 0+060                                    | 7.65               | 6.07                                       | 1.960                       | 1.871                          | 95.48                                       | 95            |
| 2    | RUDP-SG-FD-1                              | 25-Jan-21       | 0+120                                    | 7.65               | 5.46                                       | 1.960                       | 1.898                          | 96.83 /                                     | 95            |
| 2    |   |                 | -  |                    |  |                             |                                |   |               |
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|      |   | +               |  |                    |  | 1                           | pritty Collar                  |   |               |
|      | C   | ontractor       |  |                    |  | 12                          | Consultant                     | 10  |               |
| ZHON | NGHENG CONSTRUC<br>ENGINE                 | ERING CO. LTI   | INTERNA                                  | TIONAL             | WITH B.N. CO                               | DNSULTANCY                  | YPYF. LTD A                    | TD IN JOINT V<br>ND PLUS ENG<br>LANDU, NEPA | INEERS &      |
|      | sh  | annuliz sk mm u | Q.                                       |                    | Tupper                                     | per                         | a Biration                     | X   |               |
|      | Checked By<br>Engineer<br>Dhirendra Yadav | 1               | Submitted I<br>Contract Ma<br>Rabindra T | inager             | Verifie<br>Expert Qty Su<br>H.K. Mandal/Ra | irveyor/CSE                 |                                | Approved By<br>Team Leader<br>Giresh Chand  |               |
|      |   |                 |  |                    |  |                             |                                | onean oriand                                |               |



|      |                                      |  |   |                                    |                      | Mon<br>Ye    | ar             |         | nuary<br>021 |
|------|--------------------------------------|--|---|------------------------------------|----------------------|--------------|----------------|---------|--------------|
| -    |                                      | 1  | Location:-T1L14   | c                                  |                      | Type<br>Mate |                | Sub     | grade        |
| Sn.  | Lab.Ref no.                          | Location/Chainage                                | Source of Sample  | Date of Testing                    | MDD                  | OMC          | PI%            | CBR%    | Remark       |
|      | RUDP-SG-01                           | T1L14C,(0+040)                                   | Existing Road   | 23-Jan-21                          | 1.954                | 8.40         | 7.32           | 8.18    |              |
|      | 1                                    |  |   |                                    |                      |              |                | 1       |              |
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|      |                                      |  |   |                                    |                      |              | /              |         | _            |
| CHON | GHENG CONS                           | Contractor<br>TRUCTION GROUP<br>GINEERING CO. LT | INTERNATIONAL   | PLUS ENG                           | SIGN AL<br>H B.N. CO | & ARCH       | FY (P)<br>ANCY | PVT. LT | D AND        |
| 1    | hecked By<br>Engineer<br>endra yaday | COMPACT OF THE TREE TO                           | Submitted By<br>Contract Manager<br>Rabindra Kr. Thakur | Verified By<br>Expert Qty Surveyor | /CSE                 |              |                | eader   |              |



|     |                             | (            | Contract                 | No:- F   | etropolit:<br>RUDP/ICB/<br>of Field Densi | BRT-02                     | 2  |  |               |
|-----|-----------------------------|--------------|--------------------------|----------|---|----------------------------|--|--|---------------|
|     | 1                           |              |                          | - Onect  | or ricid Dens                             | ity rest                   | Month  | Janu                                       |               |
|     | -                           |              | Locat                    | tion:-T1 |   |                            | Year<br>Type of Material                                       | 202<br>Sub-G                               |               |
|     |                             |              |                          |          | re content %                              |                            | sity(gm/cc)  | Compac                                     |               |
| Sn. | Lab.Ref.no                  | Testing Date | Chainage                 | ОМС%     | Field MC%                                 | Max.Dr<br>density<br>gm/cc | density,   | Compaction %                               | Specifie<br>% |
| 1   | RUDP-SG-FD-1, R/S           | 25-Jan-21    | 0+020                    | 8.40     | 6.50                                      | 1.954                      |  | 96.08                                      | 95            |
| 2   | RUDP-SG-FD-1, L/S           | 25-Jan-21    | 0+055                    | 8.40     | 6.79                                      | 1.954                      | 1.862  | 95.31                                      | 95            |
| 1   |                             |              |                          |          |   |                            |  | ~  |               |
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| -   | Par                         | tractor      |                          |          |   |                            | hothority (p)  | -  |               |
| ZHO | NGHENG CONSERUCT            | - HOW IN     | TERNATI                  | IONAL    | WITH B.N. C                               | ONSULTA                    | Consultant<br>THORITY (P) L<br>NCV PVIL LTD<br>S (P) LTD, KATI | ED IN JOINT                                | CINEED        |
|     | Checked By                  | - # - UT S   | Submitte                 | ed By    | New Verified                              | Re                         | * Biratnagni *   | X  |               |
|     | Engineer<br>Dhirendra yadav |              | Contract M<br>Rabindra K | lanager  | Expert Qty Surve                          | eyor/CSE                   |  | Approved By<br>Team Leader<br>Giresh Chand |               |



|     |  | -                 | ummary Sheet of M                       |                    |          | Mon        |        |           | nuary  |
|-----|--|-------------------|---|--------------------|----------|------------|--------|-----------|--------|
|     |  |                   |   |                    |          | Yes        |        | -         | 021    |
| -   |  |                   | Location:-R-14                          | -                  |          | Mate       |        | Sub       | grade  |
| Sn. | Lab.Ref no.  | Location/Chainage | Source of Sample                        | Date of Testing    | MDD      | OMC        | PI%    | CBR%      | Remark |
| 1   | RUDP-SG-01   | R-14,(0+100)      | Existing Road                           | 24-Jan-21          | 1.949    | 8.30       | 6.48   | 7.00      |        |
| 2   | RUDP-SG-02   | R-14,(0+400)      | Existing Road                           | 25-Jan-21          | 2.010    | 8.40       | 5.92   | 7.14      |        |
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|     |  | GINEERING CO. L   | P INTERNATIONAL<br>FD                   | PLUS ENG           | INEERS   | & ARCH     | HITEC  | rs (P) L' | rD,    |
| -   |  |                   |   | O.l.               | (*8)     | ratnagal * | 9      |           | /      |
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| 15  | State of the second sec |                   | 171                                     | 1010               |          |            | (      | K         |        |
|     | hecked By  |                   | Submitted By                            | Verified By        |          |            |        | ved By    |        |
|     | Engineer<br>rendra yadav   |                   | Contract Manager<br>Rabindra Kr. Thakur | Expert Qty Surveyo |          |            | Team I | Leader    |        |
|     | cildia yadav   |                   | Rabindra Ri. Thakur                     | IT.K. WanuarRajan  | Shresula |            | Giresi | Chang     |        |



|     | REG                                    | IONAL                  | Biratn:<br>Contrac | agar M<br>ct No:- I | EVELO<br>Ietropolit<br>RUDP/ICB    | an City<br>/BRT-02 |                                | JECT         |               |
|-----|--|------------------------|--------------------|---------------------|------------------------------------|--------------------|--------------------------------|--------------|---------------|
|     |  |                        |                    |                     |                                    | F                  | Month<br>Year                  |              | uary          |
| _   |  |                        | Loca               | ation:-R-           |                                    |                    | Type of Material               |              | )21<br>Grade  |
|     |  |                        |                    | Moistur             | re content %                       | Densi<br>Max.Dry   | ty(gm/cc)                      | Compa        | ction %       |
| Sn, | Lab.Ref.no                             | Testing Date           | Chanage            | OMC%                | Field MC%                          |                    | Field Dry<br>density,<br>gm/cc | Compaction % | Specifie<br>% |
| 1   | RUDP-SG-FD-1, L/S                      |                        | 0+050              | 8.30                | 7.51                               | 1.949              | 1.854                          | 95.12        | 95            |
| 2   | RUDP-SG-FD-1, R/S                      |                        | 0+090              | 8.30                | 8.04                               | 1.949              | 1.871                          | 96.00        | 95            |
| 3   | RUDP-SG-FD-1, L/S                      |                        | 0+140              | 8.30                | 7.72                               | 1.949              | 1.865                          | 95.67        | 95            |
| 4   | RUDP-SG-FD-1, R/S                      |                        | 0+180              | 8.30                | 7.44                               | 1.949              | 1.880                          | 96.46        | 95            |
| 5   | RUDP-SG-FD-1, R/S<br>RUDP-SG-FD-1, L/S |                        | 0+220              | 8.30                | 7.14                               | 1.949              | 1.866                          | 95.75        | 95            |
| 7   | RUDP-SG-FD-1, L/S                      | 27-Jan-21<br>27-Jan-21 | 0+290              | 8.40                | 7.31                               | 2.010              | 1.942                          | 96.61        | 95            |
| 8   | RUDP-SG-FD-1, L/S                      |                        | 0+340<br>0+390     | 8.40<br>8.40        | 6.70<br>6.88                       | 2.010              | 1.946                          | 96.82        | 95            |
| 9   | RUDP-SG-FD-1, L/S                      | 27-Jan-21<br>27-Jan-21 | 0+390              | 8.40                | 7.51                               | 2.010              | 1.926                          | 95.84        | 95            |
| 10  | RUDP-SG-FD-1, R/S                      | 27-Jan-21              | 0+430              | 8.40                | 8.04                               | 2.010              | 1.933<br>1.934                 | 96.18        | 95            |
| K   |  |                        | 5.500              | 0.10                | 0.04                               | 2.010              | 1.934                          | 90.25        | 95            |
|     |  |                        |                    |                     |                                    |                    |                                | V            |               |
|     |  |                        |                    |                     |                                    |                    |                                |              |               |
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| _   | Cor                                    | itractor               | -                  |                     |                                    |                    | 10                             | 141          |               |
| ZH  | ONGHENG CONSTRUCT                      | - deline               | TERNATI            | ONAL                | WITH B.N. C                        | ONSULTA            | NCY PVT. LTD                   | LTD IN JOINT | GINEERS /     |
| _   | Constanting of the second              | A REAL COLLIN ME       | /                  |                     | AR                                 | CHITECTS           | (P) LTD, KATI                  | HMANDU, NEP  | AL            |
|     | -141                                   | *                      | 1                  |                     | Nang                               | ex                 |                                | /            |               |
|     | A starter                              |                        | in land            |                     | Cl                                 |                    |                                | 00           |               |
| -   | Checked By                             |                        | Submitte           | d By                | Verified 1                         | By                 |                                | Approved By  |               |
|     | Engineer<br>Dhirendra yadav            |                        | Contract M         | anager E            | xpert Qty Surve<br>H.K. Mandal/Raj | avor/CSE           |                                | Team Leader  |               |
| -   |  |                        | tabinara Nr.       | Thakur I            |                                    | an Shrestha        | G                              | iresh Chand  |               |



|      |                  |                       |                   |  |                   | Mor<br>Yes<br>Type | ar   |                     | nuary<br>2021 |
|------|------------------|-----------------------|-------------------|--|-------------------|--------------------|------|---------------------|---------------|
|      |                  | Leasting (CL )        | Location:-Gh      | oghapaini-2                                | -                 | Mate               |      | Sul                 | grade         |
| -    | Lab.Ref no.      | Location/Chainage     | Source of Sample  | Date of Testing                            | MDD               | OMC                | PI%  | CBR%                | Remar         |
|      | RUDP-SG-01       | Ghoghapaini-2,(0+100) | Existing Road     | 25-Jan-21                                  | 1.820             | 8.20               | 7.38 | 7.02                |               |
|      |                  | _                     |                   |  |                   |                    |      | /                   |               |
| -    |                  |                       |                   |  | -                 |                    | ~    | -                   | -             |
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|      |                  |                       |                   |  |                   |                    |      |                     |               |
|      |                  |                       |                   |  |                   |                    | <18  | >3                  | /             |
|      |                  | Contractor            |                   |  | Co                | nsultar            | nt   |                     | -             |
|      | GHENG C          |                       | DUP INTERNATIONAL | AND PLUS EN                                | TH B.N.<br>GINEEJ | CONSU              | LTAN | ECTS (              | T. LTD        |
| ZHON |                  | ENGINEERING CO        |                   | k  | CATHM.            | 1100,1             | Syn  |                     |               |
| ZHON |                  |                       |                   | k  | 121               | Inagat *           |      |                     |               |
| ZHON |                  |                       |                   | I Stal                                     | 121               |                    |      | /                   |               |
| ZHON |                  |                       | D                 | Nontrel                                    | 121               |                    | a    | _                   |               |
| Chec | hed By<br>gineer |                       |                   | Kerver<br>Verified By<br>Expert Qty Survey | ind * str.        |                    | A    | pproved<br>ream Lea | i By          |



|     |  |   | Summa      |            | UDP/ICB         |              |  |                            |                |
|-----|--|---|------------|------------|-----------------|--------------|--|----------------------------|----------------|
|     |  |   |            |            |                 | F            | Month<br>Year                                    | Janu<br>20                 |                |
|     |  |   | Location   | :-Ghogha   |                 |              | Type of Material                                 | Sub-C                      | Frade          |
|     | 111011                                 |   |            |            | e content %     | Max.Dr       | ity(gm/cc)<br>y Field Dry                        | Compa                      | ction %        |
| Sn. | Lab.Ref.no                             | Testing Date  | Chanage    | OMC%       | Field MC%       |              |  | Compaction %               | Specified<br>% |
| 1   | RUDP-SG:FD-1, R/S                      |   | 0+050      | 8.20       | 6.98            | 1.820        | 1.731  | 95.10                      | 95             |
| 2   | RUDP-SG-FD-1, C/L                      |   | 0+120      | 8.20       | 5.17            | 1.820        | 1.750  | 96.13                      | 95             |
| 3   | RUDP-SG-FD-1, L/S                      | and the second se | 0+150      | 8.20       | 6.17            | 1.820        | 1.745  | 95.87                      | 95             |
| 4 5 | RUDP-SG-FD-1, C/L<br>RUDP-SG-FD-1, R/S |   | 0+180      | 8.20       | 6.45<br>7.03    | 1.820        | 1.766  | 97.02                      | 95             |
| 2   | KUDI-50-FD-1, K/S                      | 27-Jan-21   | 0+210      | 8.20       | 7.03            | 1.820        | 1.760  | 96.71                      | 95             |
| -   |  |   |            | -          |                 |              |  | V                          |                |
|     |  |   |            |            |                 |              |  |                            |                |
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|     | 19                                     |   |            | /          |                 | -            |  |                            |                |
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|     | 1                                      | ADDUR MITTON  |            |            |                 |              | abority /  | PI                         |                |
| _   |  | atractor 100  | 1          |            |                 | _            | Consultant                                       |                            |                |
| ZH  | ONGHENG CONSTRUC                       | TION GROUP  | INTERNAT   | FIONAL     | WITH B.N. C     | ONSULTA      | UTHORITY (P)<br>ANCY EVT. LTB<br>S (P) LTD, KATI | AND PLUS EN                | GINEERS .      |
|     | olu                                    |   | 1          | 2          | stort           | pr'          | * Biratung                                       |                            |                |
|     | Checked By                             |   | Submit     | ted By     | Verified        | By           |  |                            |                |
|     | Engineer                               |   | Contract   | Manager    | Expert Qty Sun  | veyor/CSE    |  | Approved By<br>Team Leader |                |
|     | Dhirendra Yadav                        |   | Rabindra I | Kr. Thakur | H.K. Mandal/Raj | jan Shrestha |  | Giresh Chand               |                |



|          |                                      |                           |   | Monthly Test Repor                                      | <u>.</u> | Mor<br>Ye<br>Typ | ar             |                               | nuary<br>2021 |
|----------|--------------------------------------|---------------------------|---|---|----------|------------------|----------------|-------------------------------|---------------|
| Sn.      | Lab Pafas                            | Location/Chainage         |   | on:-S-13  | 1        | Mate             |                | Sub                           | grade         |
| 5h.<br>1 | Lab.Ref no.<br>RUDP-S-01             |                           | Source of Sample                                    | Date of Testing   | MDD      | OMC              | PI%            | CBR%                          | Remark        |
| 5        | KODF-3-01                            | S-13,(0+120)              | Existing Road                                       | 27-Jan-21   | 1.780    | 12.60            | 9.82           | 7.15                          |               |
| _        | 1                                    |                           |   |   |          |                  | ~              | -                             |               |
|          |                                      |                           |   |   |          |                  |                |                               |               |
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|          |                                      |                           |   |   |          |                  | /              |                               |               |
|          |                                      |                           |   |   |          |                  | <18            | >3                            | ~             |
| HON      | GHENG CONS                           | FRUCTION GROUP            | INTERNATIONAL                                       | PLUS ENG  | IGN AUT  | NSULTA<br>ARCHI  | NCY P<br>TECTS | VT. LT                        | DAND          |
| E        | Necked By<br>Engineer<br>endra Yadav | Contraction of the second | Submitted By<br>Contract Manager<br>Rabindra Thakur | Verified By<br>Expert Qty Surveyo<br>Mandal/Rajan Shree | r/CSE    |                  | AI             | oproved<br>eam Lea<br>resh Ch | By<br>der     |



|      |                            |  |                            |           | Metropoli<br>RUDP/ICI<br>et of Field Den |                          |                                |  |               |
|------|----------------------------|--|----------------------------|-----------|--|--------------------------|--------------------------------|--|---------------|
|      |                            |  |                            |           |  | -                        | Month<br>Year                  | Janu<br>201                                  |               |
| -    |                            | -                                      | Lo                         | cation:-S |  | Ту                       | pe of Material                 | Sub-g  | grade         |
|      |                            |  |                            |           | re content %                             | Density<br>Max.Dry       | 1                              | Compac                                       | ction %       |
| Sn.  | Lab.Ref.no                 | Testing Date                           | Chanage                    | OMC%      | Field MC%                                | density<br>gm/cc         | Field Dry<br>density,<br>gm/cc | Compaction %                                 | Specifie<br>% |
| 1    | RUDP-SG-FD-1               | 29-Jan-21                              | 0+060                      | 12.60     | 6.41                                     | 1.780                    | 1.713                          | 96.26  | 95            |
| 2    | RUDP-SG-FD-1               | 29-Jan-21                              | 0+100                      | 12.60     | 7.38                                     | 1.780                    | 1.729                          | 97.11  | 95            |
| 3    | RUDP-SG-FD-1               | 29-Jan-21                              | 0+150                      | 12.60     | 7.18                                     | 1.780                    | 1.717                          | 96.45  | 95            |
| 4    | RUDP-SG-FD-1               | 29-Jan-21                              | 0+190                      | 12.60     | 6.15                                     | 1.780                    | 1.707                          | 95.92/                                       | 95            |
| -    | \<br>\                     |  |                            |           |  |                          |                                | 1  |               |
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|      | Co                         | mractor * 700                          | 1                          | -         |  | 1                        | Consultant                     |  |               |
| uos  | GHENG CONSTRUC             | RUHU CO                                | (SERON                     |           | BUILDING D                               |                          |                                | TO IN TOINT U                                | ENTRUDE       |
| inon | ENGINER<br>ENGINER         | TION GROUP                             | INTERNA                    | FIONAL    | WITH B.N. CC<br>ARC                      | NSULTANCY<br>HITECTS (P) | PVT, LTD A                     | ED IN JOINT V<br>ND PLUS ENG<br>FANDU, NEPAI | INEERS &      |
|      |                            | Constant of                            | /                          |           | A  | pl. 10                   | ratnagat * N                   |  |               |
|      |                            |  | 1                          |           | Male                                     |                          |                                | /  |               |
|      | CM                         |  | ha                         |           | AND .                                    |                          |                                | ¥  |               |
| -    | Checked By                 |  | ubmitted I                 |           | Verifie                                  | d By                     |                                | Approved By                                  |               |
| D    | Engineer<br>hirendra Yadav |  | Contract Ma<br>Rabindra Ti |           | Expert Qty Su                            | rveyor/CSE               |                                | Team Leader                                  |               |
| DI   | monute raudy               | F                                      | abindra 1                  | nakur     | H.K. Mandal/Ra                           | ajan Shrestha            | (                              | Biresh Chand                                 |               |



|   | Π              |                   |  |                | Π | Π | Π | Π | Π | Π | T |  |            | NCY  | Т       |                 | -                                |                             |  |
|---|----------------|-------------------|--|----------------|---|---|---|---|---|---|---|--|------------|--|---------|-----------------|----------------------------------|-----------------------------|--|
|   | January        | Sub-hase          | Remarke                                |                |   |   |   |   |   |   |   |  |            | BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY<br>PVT. LTD AND PLUS ENGINEERS & ARCHIFECTS (P) LTD IN MANDU, NEPAL |         |                 | 1                                |                             |  |
|   |                |                   | CBR%                                   | 51.00          |   |   |   |   |   |   |   | >30  |            | ATHMAN.  |         | 4               | Approved By                      | Tcam Leader<br>Giresh Chand |  |
|   | Month:<br>Year | Type of Material  | OMC PI%                                | 5.60 1.07      |   | + |   | + |   |   |   | <6   | 1000       | TURE W   | 205     | JIL *           | Approve                          | Tcan<br>Gires               |  |
|   |                |                   | MDD 0                                  | 2.220 5        |   |   |   |   |   |   |   |  | ALC: NO    | INT VEN  | 1       | VIN * refiering |                                  |                             |  |
|   |                |                   |  | c/U.U<br>10.23 |   |   |   |   |   |   |   | 4~15   | Concutant  | D IN JO  | 84      |                 |                                  |                             |  |
| 5   |                |                   | Weight                                 | 17.81          | 1 |   |   |   |   |   |   | 100 65-95 50-85 40-75 30-60 20-45 15-37 4-15 |            | IY (P) LI  |         |                 |                                  | stha                        |  |
| SRT-0<br>Report   |                |                   | ssing % By W                           | -              |   |   |   |   |   |   |   | 60 20-4                                      |            | THORIT<br>S ENGL   |         |                 | d By                             | an Shre                     |  |
| Contract No:- RUDP/ICB/BRT-02<br>Summary Sheet of Monthly Test Report |                | AIS               | mm / pass                              | _              |   |   |   |   |   | + |   | -75 30-                                      |            | HGN AU   | R       | P               | Verified By                      | . Mandal/Rajan Shrest       |  |
| RUDP  |                | -T3L              | Sieve Size in mm / passing % By Weight |                |   |   |   |   |   |   |   | 50-85 40                                     |            | ING DES  |         | Day             | A.                               | H.K. Mandal/Rajan Shrestha  |  |
| Contract No:- RUDP/ICB/BRT-0<br>Summary Sheet of Monthly Test Report  |                | Location :-T3L21A | Sieve<br>37.5                          | -              |   |   |   |   |   |   |   | 65-95  |            | BUILD  |         |                 | "                                | -                           |  |
| Contract No:- RUDP/ICB/BRT-02<br>Summary Sheet of Monthly Test Report |                | Loca              | ng 63.0                                | 100            |   |   |   |   |   |   |   |  |            |  |         |                 | :-                               | kur                         |  |
| O vi  |                |                   | Date of Testing                        | 4-Jan-21       |   |   |   |   |   |   |   | Spec. Limit :                                |            | IATIONAL   | 4       | N               | Submitted By<br>Contract Manager | Rabindra Kr. Thakur         |  |
|   |                | 1                 |  | Khola          | T | T |   |   | T |   |   |  |            | LTD  |         |                 | Su                               | Rabin                       |  |
|   |                |                   | Source of Sample                       | Chisang Khola  |   |   |   |   |   |   |   |  | ctor       | GROUT  | 104. 24 |                 |                                  |                             |  |
|   |                |                   | Location of<br>Sample                  | T3L21A,(0+100) |   |   |   |   |   |   |   |  | Contractor | ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL<br>ENGINEERING CO. LTD  |         |                 |                                  |                             |  |
|   |                | -                 | Lab.Ref no.                            | RUDP-SB-01     |   |   |   | - |   |   | - |  |            | NGHENG   |         | 1               | <b>b</b>                         | dav                         |  |
|   |                | L                 | Sn. Lab.F                              | RUDP           |   |   |   |   |   |   |   |  |            | ZHOI   |         | A               | Checked By<br>Engineer           | Dhirendra Yadav             |  |



|       |  |                                     | Summary     | Sheet of | Field Densit                   | tv Test            | M. a              |               |                |
|-------|--|-------------------------------------|-------------|----------|--------------------------------|--------------------|-------------------|---------------|----------------|
|       |  |                                     |             |          |                                | ł                  | Month<br>Year     |               | anuary<br>2021 |
| _     |  |                                     | Locati      | ion:-T31 | L21A                           |                    | Type of Material  |               | ub-Base        |
| Sn.   | Lab.Ref.no   | Tet De                              | <b>CI</b> . | Moistur  | e content %                    | Dens               | ity(gm/cc)        |               | paction %      |
| 511.  | Lau.Kei.no   | Testing Date                        | Chainage    | OMC%     | Field MC%                      | Max.Dry<br>density |                   | Compac        |                |
| 1     | RUDP-SB-FD-1, L/S  | 5-Jan-21                            | 0+080       | 5.60     | 4.31                           | 2.220              | density,<br>2.129 | tion<br>95.92 | %<br>95        |
| 2     | RUDP-SB-FD-1, R/S  | 5-Jan-21                            | 0+130       | 5.60     | 3.70                           | 2.220              | 2.139             | 96.37/        | 95             |
| R     |  |                                     |             |          |                                |                    |                   | /             |                |
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| -     | Contract   | or                                  | -           |          |                                | Con                | sultant           | -             |                |
|       | THONGTON   | *                                   |             | BUILDIN  | G DESIGN A                     | UTHORE             | P) LTD IN H       | INTAR         | EUDE DO        |
| IN    | ZHONGHENG CONSTRUCTIONAL ENGIN   | CCHON GRO                           | UP          | B.N.     | CONSULTA                       | NCY PVT.           | LTD AND PLU       | S ENGINE      | ERS &          |
|       |  | 1.000.                              | un l        |          | ARCHITE                        | CTS (P) LT         | D, KATHMANI       | U, NEPAL      |                |
| -     | last   | 015                                 |             |          |                                | (all               | -                 |               |                |
|       | Andreas and a subsection of the section of the sect | ister .                             |             | -        | ·                              | 1                  | ar + NIC SP       |               | -              |
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| -     | Ju   | ()                                  |             | 180      | 0                              |                    |                   | /             |                |
| -     |  | jak                                 |             |          |                                |                    | 9                 | 6             |                |
|       |  | Submitted By                        |             |          | Verified By                    |                    |                   | Approved      |                |
| Engin |  | ontract Manager<br>bindra Kr. Thaku | -           |          | Qty Surveyor/<br>ndal/Rajan Sh |                    |                   | Team Lead     |                |
| ent   | Kat  | mara KI. I naku                     |             | TLK, Ma  | ioai/Rajan Sh                  | restna             |                   | Giresh Cha    | ind            |

| Size         Data         Weight         MDD         OMC         PP6         CBR%           37.5         20.0         10.0         5.0         2.36         1.18         0.075         MDD         OMC         PP6         CBR%           44.84         69.53         \$2.01         42.78         35.05         20.05         7.65         2.225         5.65         1.43         47.10 |   |   |  | 4~15 <6 >30  | dant   | BUILDING DESIGN AUTHORITY (P) LTD IN JOINT WENTURE WITH B.N. CONSULTANCY<br>PVT. LTD AND PLUS ENGINEERS & ARCHITECTE (P) LTD, KATHMANDU, NEPAL | Approved By<br>Team Leader<br>Giresh Chand   |
|---|---|---|--|--|--|--|--|
| t 0.075 MDD   |   |   |  | 9>   | hlant  | THENTURE WIT   | Appre  |
| t 0.075 MDD   |   |   |  |  | Itant  | CLENTUL<br>CLENTUL   |  |
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| : 0.075<br>5 7.65   |   |   |  | 15   |  | DIN  | S JII  |
|   | 5   |   |  | 4  | Consultant   | KAROL  | Initial * MC   |
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| 0 5.0 10 42.78  |   |   |  | 20-45  |  | IORITY   | /CSE   |
| 0 10  |   |   |  | 65-95 50-85 40-75 30-60 20-45 15-37  |  | NAUTH<br>PLUS  | Werfiled By<br>Verified By<br>Expert Qty Surveyor/CSE<br>H.K. Mandal/Rajan Shrestha      |
| 10.0<br>52.01   |   |   |  | 40-75  |  | DESIG  | Verified By<br>opert Qty Surve   |
| 20.0 10.0<br>69.53 52.01  |   |   |  | 50-85  |  | DING   | H.K.   |
|   |   |   |  | 65-95  | Ц  | BUIL   |  |
| _   |   |   |  | : 100  |  |  | <br>ger<br>kur   |
| Date of Testing<br>21-Jan-21  |   |   | -  | Spec. Limit  |  | RNATIONAL  | Submitted By<br>Contract Manager<br>Rabindra Kr. Thakur                                  |
| Source of Sample<br>Chisang Khola   |   |   |  |  | ractor   | ON GROUP INTE  | Rado :   |
| Location of<br>Sample<br>N-15,(0+030)   |   |   |  |  | Cont   | G CONSTRUCTI   |  |
| Lab.Ref no.<br>RUDP-SB-01   |   |   |  |  |  | ZHONGHEN   | Checked By<br>Engineer<br>Dhirendra yadav  |
| Location of   | Sample         Source of Sample         Date of Testing         63.0           N-15.(0+030)         Chisang Khola         21-Jan-21         100 | Sample     Source of Sample     Date of Testing     63.0       N-15,(0+030)     Chisang Khola     21-Jan-21     100 | Sample Source of Sample Date of Testing 63.0<br>N-15,(0+030) Chisang Khola 21-Jan-21 100 | Sample     Source of Sample     Date of Testing     63.0       N-15,(0+030)     Chisang Khola     21-Jan-21     100       100     21-Jan-21     100       100     100< | Sample     Source of Sample     Date of Testing.     63.0       N-15,(0+030)     Chisang Khola     21-Jan-21     100       No     State     State     100       No     State     State     100 | Sample Source of Sample Date of Testing 63.0<br>N-15,(0+030) Chisang Khola 21-Jan-21 100<br>   | Sample Source of Sample Bate of Testing 63.0<br>N-15,(0+030) Chisang Khola 21-Jan-21 100 |



|     |                                  |   | Sumi     | nary Sne          | et of Field Der                          | isity Test                  | Month                          | Jan                                     | uary                        |
|-----|----------------------------------|---|----------|-------------------|--|-----------------------------|--------------------------------|---|-----------------------------|
|     |                                  |   | Loca     | ation:-l          | N-15                                     | -                           | Year<br>Type of Material       |   | 21<br>Base                  |
|     |                                  |   |          |                   | re content %                             | Densi                       | ty(gm/cc)                      |   | ction %                     |
| Sn. | Lab.Ref.no                       | Testing Date                            | Chainage | OMC%              | Field MC%                                | Max.Dry<br>density<br>gm/cc | Field Dry<br>density,<br>gm/cc | Compaction %                            | Specified<br>%              |
| 1   | RUDP-SB-FD-1                     | 22-Jan-21                               | 0+020    | 5.65              | 4.59                                     | 2.225                       | 2.121                          | 95.32                                   | 95                          |
| 2   | RUDP-SB-FD-1                     | 22-Jan-21                               | 0+050    | 5.65              | 3.33                                     | 2.225                       | 2,194                          | 98.61                                   | 95                          |
| R   |                                  | -                                       |          |                   |  |                             | -                              |   |                             |
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| -   | Contra                           | actor                                   | -        |                   |  |                             | onsultant                      |   | -                           |
|     | ZHONGHENG CONS                   | TRUCTION GR                             |          | BUILDI<br>CONSULT | NG DESIGN A<br>FANCY PVT. 1              | UTHORITY<br>.TD AND PL      | (P) LTD IN JO                  | INT VENTURI<br>RS & ARCHITE<br>L        | E WITH B.N.<br>ECTS (P) LTI |
| 8   | 2 Martin                         | 0                                       |          | and and           | Alark -                                  |                             | agar a 18                      | 90                                      | 1                           |
| En  | ecked By<br>gineer<br>ndra yadav | Submitte<br>Contract Ma<br>Rabindra Kr. | anager   |                   | ed By<br>Surveyor/CSE<br>dal/Rajan Shree | stha                        |                                | Approved E<br>Team Leade<br>Giresh Char | r                           |



| January<br>2021                      | Sub-base  | Remarks          |                |   |  |  |                                     |        |                | BUILDING DESIGN AUTHORITY (P. LTD-IN JOINE YENTURE WITH B.N. CONSULTANCY<br>PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL |            |  |
|--------------------------------------|---|------------------|----------------|---|--|--|-------------------------------------|--------|----------------|--|------------|--|
|                                      | T   | CBR%             | 47.80          |   |  |  | 00                                  | 0.00   |                | TH B.N.  | ~          | Approved By<br>Team Leader<br>Giresh Chand                           |
| ur of                                | rial  | %Id              | 1.57           |   |  |  |                                     | 0      |                | RE WI<br>TD, K   | 4          | Approv<br>Tcam L<br>Giresh (   |
| Month:<br>Year<br>Type of            | Mate  | OMC              | 5.50           |   |  |  |                                     |        |                | ENTU<br>Severu   |            |  |
|                                      |   | MDD              | 2.220          |   |  |  |                                     |        | utant          | DOINF  | A MARINE   |  |
|                                      |   | 0.075            | 7.16           |   |  |  | 1 15                                | CI~+   | Consultant     | ARC & ARC  | A NE STATE |  |
|                                      | eioht   |                  | 17.72          |   |  |  | nc 21                               | 1/6-01 |                | V (P) C  | and a      | stha   |
| port                                 | 6 Bv We   | 2.36             | 27.11          | 1 |  |  | 21.00                               | Ct07   |                | IORIT  |            | By<br>syor/CS<br>Shres   |
| lest Re                              | assing 9  | 5.0              | 32.48          |   |  |  | 07.01                               | 00-00  |                | PLUST  | 7          | Verified By<br>bert Qty Surveyo<br>landal/Rajan S                    |
| T this                               | d/mm  | 20.0 10.0        | 57.81          |   |  |  | 30.04                               | c/~0+  |                | D AND  | - DO       | Verified By<br>Expert Qty Surveyor/CSE<br>H.K. Mandal/Rajan Shrestha |
| of Mo                                | OR :- L 3 L.I.I.F<br>Sieve Size in mm / nassing % Bv Weight | 20.0             | 71.69          |   |  |  | FC 21 21 OC 07 UE 22 OF 26 OS 20 27 | C0~0C  |                | DING I   | 04         | H.K.I  |
| v Sheet                              | Sieve   |                  | 89.90          |   |  |  | 20 27                               | 06-00  |                | BUIL   |            |  |
| Summary Sheet of Monthly Test Report | LOCATION :-13L11F   | 63.0             | 100            |   |  |  | 100                                 | 100    |                |  |            | er<br>aur  |
| - N                                  |   | Date of Testing  | 26-Jan-21      |   |  |  | Snae Limit .                        | - 1000 |                | GRNATIONAL   | Ø          | Submitted By<br>Contract Manager<br>Rabindra Kr. Thakur              |
|                                      |   | Source of Sample | Chisang Khola  |   |  |  |                                     |        | Contractor 200 | ON GROUPINI<br>NG CO. LTD  |            | Co So  |
|                                      |   | Sample S         | T3L11F,(0+050) |   |  |  |                                     |        | Conti          | ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL<br>ENGINEERING CO. LTD  |            |  |
|                                      |   | Lab.Ref no.      | RUDP-SB-01     |   |  |  |                                     |        |                | ZHONGHEN   | - MC       | Checked By<br>Engineer<br>Dhirendra Yadav                            |





|     |  |                        | 241111   | ay bitter | of Field Dens   | F       | Month                           | Jan         |                 |
|-----|--|------------------------|----------|-----------|-----------------|---------|---------------------------------|-------------|-----------------|
|     |  |                        |          |           | 1112            | -       | Year                            | 20          |                 |
| -   | -                                      | -                      | Locat    | ion:-T3   | e content %     |         | Type of Material<br>ty(gm/cc)   |             | Base<br>ction % |
| in. | Lab.Ref.no                             | Testing Date           | Chainage |           | Field MC%       | Max.Dry | 1                               | Compaction  |                 |
|     |  |                        |          | Olvic 70  |                 | density | density,                        | %           | %               |
| 1   | RUDP-SB-FD-1, L/S<br>RUDP-SB-FD-1, R/S | 27-Jan-21<br>27-Jan-21 | 0+040    | 5.50      | 4.70            | 2.220   | 2.158                           | 97.21       | 95              |
| 2   | KUDP-5B-FD-1, K/5                      | Z/-Jan-ZI              | 0+000    | 5.50      | 5.10            | 2.220   | 2.123                           | 95.62       | 95              |
| 1   |  |                        |          |           |                 |         |                                 | ~           |                 |
|     |  |                        |          |           |                 |         |                                 |             |                 |
|     |  |                        |          |           |                 |         |                                 |             |                 |
| -   |  |                        |          |           |                 |         |                                 |             |                 |
| -   |  |                        |          | -         |                 |         | -                               |             |                 |
| -   |  |                        |          |           |                 |         |                                 |             |                 |
| -   |  |                        |          |           |                 | -       |                                 |             |                 |
|     |  |                        |          |           |                 |         |                                 |             |                 |
|     |  |                        |          |           |                 |         |                                 |             |                 |
|     | 12                                     |                        |          |           |                 |         |                                 |             |                 |
| _   |  |                        |          |           |                 |         |                                 |             |                 |
| -   |  |                        |          |           |                 |         |                                 |             |                 |
| -   |  |                        |          |           |                 |         | -                               |             |                 |
|     |  |                        |          |           |                 |         |                                 |             |                 |
|     |  |                        |          |           |                 |         |                                 |             |                 |
|     |  | 2                      |          |           |                 |         |                                 |             |                 |
|     |  |                        |          |           |                 |         |                                 |             |                 |
|     |  |                        |          | 1         |                 |         |                                 |             |                 |
| -   |  |                        |          |           |                 | 1       |                                 |             |                 |
| -   |  |                        |          |           |                 |         |                                 |             |                 |
| -   | -                                      |                        |          |           |                 |         |                                 |             |                 |
| -   |  |                        |          |           |                 |         |                                 |             |                 |
|     |  |                        |          |           |                 |         |                                 |             |                 |
| -   | Contrac                                | tor                    | -        |           |                 | (       | Consultant 4                    | -           |                 |
|     |  |                        |          |           |                 | 1       | All and a                       | 2.          |                 |
|     | ZHONGHENG CONST                        | RUCTION GRO            | OUP      | BUILDIN   | NG DESIGN A     | UTHORIT | Y (P) LITD IN J<br>D PLUS ENGIN | OINT VENTUR | E WITH B.N.     |
|     | INTERNATIONAL ENGI                     | NEERING CO.            | LTD      | CONSC     | DIANCITY        | LTD, KA | THMANDU, NE                     | EPAL ARCH   | intects(r)      |
| _   | 1340                                   | 1811                   | -        |           |                 | 1       | 1 3                             | 5           |                 |
|     | the second                             | 1                      |          |           | 00.             |         | Bar # AIT SAL                   |             |                 |
|     |  | 4                      |          |           | 6001            |         |                                 |             | /               |
| -   | nu-                                    | Di.                    |          | N         | D.D.            |         |                                 | a           |                 |
| Ch  | ecked By                               | Submitted By           |          |           | Verified By     |         |                                 | Approved E  | By              |
| Eng | gineer                                 | Contract Manage        |          |           | rt Qty Surveyor |         |                                 | Team Leade  | T               |
|     | ndra Yadav R                           | abindra Kr. Thak       | ur       | H.k. M    | landal/Rajan Sh | nrestha |                                 | Giresh Chan | d               |



|   |                |                     |  | ks             |               |               |   |   |   |   |                  |   | Π | Π |  |   |              | ANCY   |                      |           |            |  |
|---|----------------|---------------------|--|----------------|---------------|---------------|---|---|---|---|------------------|---|---|---|--|---|--------------|--|----------------------|-----------|------------|--|
|   | January        | Sub-base            |  | Remarks        |               |               |   |   |   |   |                  |   |   |   |  |   |              | BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY<br>PVT. LTD AND PLUS ENGINEERS & ARCHITECUSTIC) LTD, KATHMANDU, NEPAL |                      |           | 1          | ~.   |
|   |                |                     |  | CBR%           | 50.40         |               |   |   |   |   |                  |   |   |   | >30  |   |              | ITH B.N.   |                      | 4         | 5          | Approved By<br>Team Leader                           |
|   | Month:<br>Year | Type of<br>Material | -                                      | C PI%          | 1.31          | 1.21          |   |   |   |   |                  |   |   |   | <6   |   |              | URE W  |                      |           | -          | Teau   |
|   | W              | T                   |  | OMC            | 5.75          |               |   |   | _ | _ |                  |   |   |   |  | , | ait          | - PARA   | and a                |           |            |  |
|   |                |                     | L                                      | MDD            | 2.218         |               |   |   |   |   |                  |   |   |   |  | ( | Consultant   | CHITE  |                      | * VIL SIL |            |  |
| 1   |                |                     |  | 0.075          | 5 8.61        | 9.59          | - |   |   |   |                  |   |   |   | 7 4~15   | 1 | Con          | LTD IN   | 1 and                | */        |            |  |
|   |                |                     | Weight                                 | 6 1.18         | 5 16.25       | 8 18.17       |   |   |   | - |                  |   |   |   | 5 15-37  |   | 1            | TY (P)   | 1                    |           |            | CSE  |
| RT-00   |                |                     | ng % By                                | 0 2.36         | 73 24.65      | 61 25.58      | - |   |   | + | $\left  \right $ | - | - | - | 60 20-4  |   |              | THORI<br>S ENG   |                      |           |            | Expert Qty Surveyor/CSE<br>Mandal/Paian Shroot       |
| CB/B<br>CB/B  |                |                     | n / passi                              | 10.0 5.0       | 51.63 33.73   | 52.21 33.61   | + | - | - | + |                  | - |   |   | -75 30-  |   |              | IGN AU   | to                   | T         |            | t Qty Su   |
| Biratnagar Metropolitan City<br>Contract No:- RUDP/ICB/BRT-02<br>Summary Sheet of Monthly Test Report |                | Location :-N-39     | Sieve Size in mm / passing % By Weight | 20.0 1         | 65.88 51      | 63.09 52      | + | H |   | + |                  |   |   |   | -85 40   |   |              | G DES  | (                    | 3h        | the second | Expert Qty Surveyor/CSE<br>H K Mandal/Paian Shrootha |
| r Me<br>o:- Rl  |                | tion :              | Sieve Si                               | 37.5 2         |               | 89.21 6       | - | Ħ |   |   |                  |   |   |   | 5-95 50  |   |              | UILDIN<br>PVT.   |                      |           | "          | Т  |
| naga<br>act N   |                | Locat               |  | 63.0           | 100 9         | -             | + | H |   | - | +                |   |   |   | 100 65   |   | H            | 8  | +                    | -         |            | -  |
| Birat<br>Conti<br>Sumn  |                |                     | Data of Tanting                        | _              |               | 5-Jan-21      |   |   |   |   |                  |   |   |   | Spec. Limit: 100 65-95 50-85 40-75 30-60 20-45 15-37 |   |              | TIONAL   |                      | 0         | - M        | Contract Manager<br>Rahindra Kr. Thabur              |
| Biratnagar Metropolitan City<br>Contract No:- RUDP/ICB/BRT-02<br>Summary Sheet of Monthly Test Report |                |                     | Course of Counts                       | adure to annoe | Chisang Khola | Chisang Khola |   |   |   |   |                  |   |   |   |  |   | Contractor - | N GROUP INTER  | CHINA CARLIE MITCHAN |           | 1.9        | Col  |
|   |                |                     | Location of                            | Sample         | N-39,(0+070)  | N-39,(0+070)  |   |   |   |   |                  |   |   |   |  |   | Contr        | ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL<br>ENGINEERING CO. LTD  | X                    |           |            |  |
|   |                | ł                   | ef no                                  |                | SB-01         | SB-01         |   |   |   | 1 | +                |   | - | + |  |   |              | NGHEN  |                      | 1         |            | ndav   |
|   |                |                     | Lab.Ref no                             | -              | RUDP-SB-01    | RUDP-SB-01    |   |   |   |   |                  |   |   |   |  |   |              | ZHO  |                      | -le       | Checked By | Engineer<br>Dhirendra Yadav                          |
|   |                |                     | Sn.                                    |                | -             | -             |   |   |   |   | 1                |   |   |   |  |   |              |  |                      |           | 1/3        | Er   |



|     |                   |                  |          |              |                 | F         | Month                    |                | uary            |
|-----|-------------------|------------------|----------|--------------|-----------------|-----------|--------------------------|----------------|-----------------|
|     |                   |                  | Loca     | tion:-N      | -39             | +         | Year<br>Type of Material |                | 21              |
|     |                   |                  |          | Moistur      | e content %     |           | ity(gm/cc)               |                | Base<br>ction % |
| Sn. | Lab.Ref.no        | Testing Date     | Chainage | OMC%         | Field MC%       | Max.Dr    |                          | Compaction     | Specified       |
| 1   | RUDP-SB-FD-1, L/S | 6-Jan-21         | 0+040    |              | 3.44            | density   |                          | %              | %               |
| 2   | RUDP-SB-FD-1, R/S | 6-Jan-21         | 0+040    | 5.75<br>5.75 | 5.04            | 2.218     | 2.141 2.170              | 96.54<br>97.85 | 95<br>95        |
| 3   | RUDP-SB-FD-1, L/S | 6-Jan-21         | 0+180    | 5.75         | 3.61            | 2.218     | 2.124                    | 95.75          | 95              |
|     |                   |                  | 0.100    | 0.10         | 0.01            | 2.210     | 2.127                    | 35.15          | 95              |
|     |                   |                  |          |              |                 |           |                          | ~              |                 |
|     |                   |                  |          |              |                 |           |                          | 1.00           |                 |
| -   | *                 | _                |          |              |                 |           |                          |                |                 |
| -   |                   |                  |          |              |                 |           | -                        |                |                 |
| -   |                   |                  |          | -            |                 |           |                          |                |                 |
| -   |                   |                  |          |              |                 |           |                          |                | -               |
| -   |                   |                  |          | -            |                 |           |                          |                |                 |
| -   |                   |                  |          |              |                 |           |                          |                |                 |
|     |                   |                  |          |              |                 |           |                          |                |                 |
|     |                   |                  |          |              |                 |           | -                        |                |                 |
|     |                   |                  | 1        | ()           |                 |           |                          |                |                 |
|     |                   |                  |          | -            |                 |           |                          |                |                 |
|     |                   |                  |          |              |                 |           |                          |                |                 |
|     |                   |                  |          |              |                 |           |                          | -              |                 |
|     |                   |                  |          |              |                 |           |                          |                |                 |
|     |                   | -                |          |              |                 |           |                          |                |                 |
| -   |                   |                  | -        |              |                 |           |                          |                |                 |
| -   |                   |                  |          |              |                 |           |                          |                |                 |
| -   |                   |                  |          |              |                 | _         |                          |                | -               |
| -   |                   |                  |          |              |                 | -         |                          |                |                 |
| +   |                   |                  |          |              |                 |           |                          |                |                 |
| +   |                   |                  |          |              |                 |           |                          |                |                 |
| -   |                   |                  |          |              |                 |           |                          |                |                 |
| _   | C . 1             |                  |          |              |                 |           | chan Au                  |                |                 |
| -   | Contract          | or               |          |              |                 |           | onsultant                |                |                 |
|     | ZHONGHENG CONSTR  |                  | UD       | BUILDIN      | G DESIGN A      | UTHORIT   | Y (P) LTD IN JO          | INT VENTUR     | E WITH B.N.     |
| I   | NTERNATIONAL ENGI | NEERING CO.      | LTD      | CONSUL       | LTANCY PV1      | . LTD ANI | D PLUS ENGIN             | EERS & ARCH    | ITECTS (P)      |
|     | Contraine 47      | 1811             |          |              |                 | LTD, KAT  | THMANDE, NE              | PAL            |                 |
| -   | 20 MD 2           | 1910             |          |              | 14              | - 13      | * AIR SIL                |                |                 |
|     |                   |                  |          |              | Croll'          |           |                          |                |                 |
|     |                   | 1.               |          | 1            | NYY .           |           |                          | /              |                 |
| 5   | 214               | (d)              |          | 2a           | 2v              |           |                          | a              |                 |
|     |                   | Subhitted By     |          | under        | Verified By     |           |                          | Approved B     | v               |
|     |                   | ontract Manager  |          |              | Qty Surveyor/   |           |                          | Team Leader    |                 |
|     | dra Yadav Ra      | bindra Kr. Thaku | IT       | H.k. Ma      | indal/Rajan Shi | restha    |                          | Giresh Chanc   | 1               |



|   | December<br>2020 | Sub-base              |  | Remarks     |               |   |   |   |   |   |   |   |   |    |             |   |                  | 1  |            | BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N. CONSULTANCY<br>PVT, LTD AND PLUS ENGINEERS & ARCHIFECTS (P) 1 TD KATHMANDI NEPAL | THE PARTY IN |              |              |   |
|---|------------------|-----------------------|--|-------------|---------------|---|---|---|---|---|---|---|---|----|-------------|---|------------------|--|------------|---|--------------|--------------|--------------|---|
|   | DO               | S                     | -                                      | CBR%        | 48.20         |   | - |   |   | + | + |   |   | -  |             | + | $\left  \right $ | 09   |            | H B.N. CO   |              | Ni           | 1            | Approved By<br>Team Leader<br>Giresh Chand            |
|   | Month:<br>Year   | Type of .<br>Material |  | PI%         | 0.92          |   |   |   |   |   | T |   |   |    |             | 1 |                  | <6 >30   |            | RE WIT  |              | P            |              | Team<br>Giresh  |
|   | Mo<br>Ye         | Typ                   | 1                                      | OMC         | 5.90          |   |   |   |   |   |   |   |   |    |             | / |                  |  | (m         | VENER   | 14.1         |              |              |   |
|   |                  |                       |  | MDD         | 2.224         |   |   |   |   |   |   |   |   |    | $\bigwedge$ |   |                  |  | Consultant | JOINT   | 24           | * VIL SUI OF |              |   |
|   |                  |                       |  | 8 0.075     | 0 6.63        | - |   |   |   | - |   |   |   | 1/ |             | _ |                  | 7 4~15   | Con        | LTD IN  | irate        | N. A. A.     |              |   |
| 5   |                  |                       | y Weight                               | 2.36 1.18   | 01 16.60      | + | - |   |   | - |   |   | - | 1  | -           | - |                  | 15-3   |            | ITY (P)   |              |              |              | estha   |
| 3RT-0<br>Report   |                  | 9                     | ing % B                                | 5.0 2.3     | 39.70 33.01   | + | + |   |   | + | - | - | 1 | 4  | +           | + |                  | 60 20-   |            | US ENG  |              |              | -            | yor/CSE<br>jan Shi                                    |
| /ICB/I  |                  |                       | nm / pass                              | 10.0        | 51,67 3       |   | 1 |   | - | 1 |   |   | A |    | +           |   |                  | 0~75 30  |            | IN NOIS   | 1            | Ī            | Verified By  | ty Surve  |
| Contract No:- RUDP/ICB/BRT-02<br>Summary Sheet of Monthly Test Report |                  |                       | Sieve Size in mm / passing % By Weight | 20.0        | 71.33         | > |   |   |   | T |   | 1 | T |    |             |   |                  | 50-85 4  |            | NG DE   |              | BA           | Verif        | Expert Oty Surveyor/CSE<br>H.K. Mandal/Rajan Shrestha |
| Contract No:- RUDP/ICB/BRT-02<br>Summary Sheet of Monthly Test Report |                  |                       | Sieve                                  | 37.5        | 89.43         |   |   |   |   |   | 1 |   |   |    |             |   |                  | 62-95  |            | BUILDI  |              | -            | 4            | u T   |
| Itract  |                  | :-R-2                 | _                                      | -           | 100           |   |   |   |   |   | X |   |   |    |             |   |                  | 100  |            |   | 1            |              |              | ur .  |
| Cor   |                  | Location :-R-20       | Date of Testino                        |             | 20-Dec-20     |   |   |   |   | Y |   |   |   |    |             |   |                  | Spec. Limit : 100 65-95 50-88 40-75 30-60 20-45 15-37 4-15 |            | P INTERNATIONAL   |              | 0            | Submitted Bv | Contract Manager<br>Rabindra Kr. Thakur               |
|   |                  |                       | Source of Sample                       |             | Chisang Khola |   |   |   | 1 |   |   |   |   |    |             |   |                  |  | ter        |   |              |              | 1 01         | Cor<br>Rab  |
|   |                  |                       | 4                                      | -           | R-20,(0+040)  |   | / | / |   |   |   |   |   |    |             |   |                  | -  | Contractor | ZHONGHENG CONSTRUCTION GROU   | mill W M     |              |              |   |
|   |                  |                       | Lab.Ref no.                            | numer on at | KUDP-SB-01    | / | / |   |   |   |   |   |   |    |             |   |                  |  | 1          | ZHONGHENG   |              | M            | Checked By   | Engineer<br>Dhirendra yadav                           |
|   |                  | F                     | Sn.                                    | -           | -1            | 1 |   | T |   | 1 | T | t |   | +  | H           |   | +                |  |            |   |              | D            | Che          | Dhirer  |



|        |  |                                | Summar    | y Sheet o      | f Field Density                         | <u>y Test</u>                          | Month  | D                              | ecember            |
|--------|--|--------------------------------|-----------|----------------|---|--|--|--------------------------------|--------------------|
|        |  |                                |           |                |   | T                                      | Year   |                                | 2020               |
| _      |  |                                | Loc       | ation:-I       | R-20                                    |  | Type of Material                             |                                | Sub-Base           |
| Sn.    | Lab.Ref.no                             | Tarting Data                   | Chainana  | Moistu         | re content %                            | Dens                                   | ity(gm/cc)                                   | _                              | paction %          |
| on.    | Lab.Kci.no                             | Testing Date                   | Chainage  | OMC%           | Field MC%                               | Max.Dr<br>density                      |  | Compac<br>tion                 | Specifie<br>%      |
| 1      | RUDP-SB-FD-1, R/S                      | 22-Dec-20                      | 0+020     | 5.48           | 5.11                                    | 2.220                                  | 2.164  | 97.48                          | 95                 |
| 2      | RUDP-SB-FD-1, L/S                      | 22-Dec-20                      | 0+060     | 5.48           | 4.66                                    | 2.220                                  | 2.123  | 95.64                          | 95                 |
| -      |  |                                |           |                |   |  |  | 1                              |                    |
| _      |  |                                |           |                |   |  |  |                                |                    |
| -      |  |                                | -         |                |   |  |  |                                |                    |
| -      |  |                                |           |                |   |  |  |                                |                    |
|        |  |                                |           |                |   |  |  |                                |                    |
| -      |  | 1                              |           |                |   |  | -  |                                |                    |
|        |  | /                              | -         |                |   |  | -  |                                | -                  |
|        |  | /                              |           |                |   |  |  |                                |                    |
|        |  |                                | /         |                |   |  | -  |                                |                    |
|        |  |                                | /         |                |   |  |  |                                |                    |
|        |  |                                |           | /              |   |  |  |                                |                    |
|        |  |                                |           | /              |   |  |  |                                | 100                |
| _      |  |                                |           |                |   |  |  |                                | 1                  |
| _      |  |                                |           |                |   |  |  |                                |                    |
| -      |  |                                |           |                |   |  |  |                                |                    |
| -      |  |                                |           |                |   |  | -  |                                |                    |
| -      |  |                                |           |                |   | /                                      |  |                                |                    |
|        |  |                                |           |                |   |  | 1  |                                |                    |
|        |  |                                |           | -              |   |  |  |                                | -                  |
|        |  |                                |           |                |   |  |  |                                |                    |
|        |  |                                |           |                |   |  | -  |                                |                    |
|        |  |                                |           |                |   |  |  |                                | -                  |
|        |  |                                |           |                |   |  |  |                                | /                  |
|        |  |                                |           |                |   |  |  |                                | /                  |
|        |  |                                |           |                |   |  | -  |                                |                    |
|        | Contract                               | or                             |           |                | 200                                     | Con                                    | sultant                                      |                                |                    |
|        | ZHONGHENG CONSTR                       | Nr. ZIIC                       |           |                | No. Long                                | 1                                      | agn Authoria                                 |                                |                    |
| I      | ZHONGHENG CONSTR<br>NTERNATIONAL ENGIN | UCTION GRO<br>NEERING CO.      | UP<br>LTD | BUILDII<br>B.N | NG DESIGN AI<br>N. CONSULTA<br>ARCHITEC | UTHORITY<br>NCY PVT. 4<br>CTS (P) 1 TI | (P) LTD IN 30<br>LTD AND PLUS<br>D, KATHMAND | INT VENT<br>ENGINE<br>U, NEPAL | TURE WITH<br>ERS & |
|        |  | i.                             |           | Profe          | pli                                     | 1999                                   | hagar * NISS                                 | /                              | 1                  |
| Eng    | cked By<br>jineer Co                   | Submitted By<br>ontract Manage | r I       |                | Surveyor/CSE                            |  | -  | Approved<br>Team Lea           |                    |
| Dhiren | dra Yadav Ral                          | bindra Kr. Thaku               | ır        | H.K. Mand      | al/Rajan Shres                          | tha                                    |  | Giresh Ch                      |                    |



|   | January<br>2021 | Sub-base            |  | % Remarks          |               |               |   |   |   |   |   |   |   |   |   |   |                  |   |   |               | 1  |  |            | BUILDING DESIGN AUTHORITY, [P. P.D. IN JOINT VENTURE WITH B.N. CONSULTANCY<br>PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD, KATHMANDU, NEPAL |     |            |            | By<br>er  | pu           |
|---|-----------------|---------------------|--|--------------------|---------------|---------------|---|---|---|---|---|---|---|---|---|---|------------------|---|---|---------------|--|--|------------|--|-----|------------|------------|---|--------------|
|   |                 | •                   |  | PI% CBR%           | -             | 49.10         | - | - |   |   |   |   |   | - | - |   |                  | - | 1 |               | >30                                      |  |            | WITH B.<br>KATHN   |     | K          | /          | Approved By<br>Team Leader  | Giresh Chand |
|   | Month:<br>Year  | Type of<br>Material | -                                      | OMC PI             | -             | 8/.1 0.0      |   | - | - | - |   |   | - | + | + | - |                  | 1 | 4 |               | <6                                       |  |            | FURE (   |     | Q          |            | Apl   | Gire         |
| Biratnagar Metropolitan City<br>Contract No:- RUDP/ICB/BRT-02<br>Summary Sheet of Monthly Test Report |                 |                     | +                                      | MDD 0              | 2000          | -             | + |   |   |   |   | - | + | + | + | - | $\left  \right $ | 1 | + | -             |  |  | mt         | NT VEN   | D   |            |            |   |              |
|   |                 |                     | -                                      | 0.075 N            | c c0 11       | -             |   | + |   |   | _ | + | + | + | + |   | 1                | + |   |               | -15                                      |  | Consultant | NICHT NO   | 100 | IN +       |            |   |              |
|   |                 |                     | ight                                   | 1.18 0             | 1 36 21       |               | - |   | - |   |   | 1 | 1 | + | t |   | /                |   |   |               | 02-20 20-00 40-10 20-00 50-42 12-37 4-15 |  | of line    | (P) LTD<br>ERS & .   | 1   | N * Ioffen |            |   | 23           |
| City<br>T-02<br>Port  |                 |                     | Sieve Size in mm / passing % By Weight | 2.36               | PO PC         | 25.19         |   |   | > |   | 1 | 1 | T | + | T | / |                  | 1 |   |               | 0-42 1                                   |  |            | NGINE  | 1   |            |            | <ul> <li>Verified By</li> <li>Export Qty Surveyor/CSE</li> <li>M monotorition of the state</li> </ul> | ourest       |
| B/BR<br>B/BR  |                 | 1                   | assing 9                               | 5.0                | 36.57         | 38.18         |   |   |   |   |   |   |   |   | 1 |   |                  | T |   | 0 00          | 20-00                                    |  |            | AUTHO<br>PLUS E  |     |            |            | 3y<br>rveyor/   | Indjall      |
| Biratnagar Metropolitan City<br>Contract No:- RUDP/ICB/BRT-02<br>Summary Sheet of Monthly Test Report |                 | -39                 | n mm / p                               | 10.0               | 56.49         | 58.12         |   |   |   |   |   |   |   |   |   |   |                  |   |   | 25 01         | C/~0+                                    |  |            | D AND  | Z   |            |            | <ul> <li>Verified By</li> <li>Export Qty Surveyor/CSE</li> <li>M. mondol/Point State</li> </ul>       | iai indi     |
| Biratnagar Metropolitan City<br>Contract No:- RUDP/ICB/BRT-02<br>Summary Sheet of Monthly Test Report |                 | N-: n               | ve Size i                              | 20.0               | 5 74.42       |               |   |   |   |   | - | - | 1 | 1 |   |   | -                |   |   | 20 02         | co-ne                                    |  |            | DING L   | 24  | They are   | d          | Export  |              |
| iagar<br>ict No   |                 | Location :-N-39     | Sie                                    | 0 37.5             | 90.55         | -             | 1 |   | _ |   |   | - | 1 | 1 |   |   |                  |   |   |               |  |  |            | BUIL   |     |            | ~~         |   |              |
| ontra   |                 | Fo                  | -                                      | <sup>ng</sup> 63.0 | 100           | 100           | - | - | - | + | + | + | 4 | - |   | _ | -                |   |   | 100           |  |  |            | -  |     |            |            | ger   | Invi         |
| 20 m  |                 |                     | Data of Tant.                          | Date of 1esting    | 15-Jan-21     | 16-Jan-21     |   |   |   |   | 1 | 1 |   |   |   |   |                  |   |   | Snee. Limit . |  |  |            | RNATIONA   |     | 0          | X          | Contract Manager<br>Rahindra Kr. Thature  |              |
|   |                 |                     | Source of Samula                       | aidure to an       | Chisang Khola | Chisang Khola |   |   |   | / | 1 |   |   |   |   |   |                  |   |   |               |  |  | TOF        | ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL<br>ENGINEERING CO, LTD  |     |            | 1 0        | Cor<br>Cor<br>Rahi  |              |
|   | •               | +                   | -                                      | _                  | 1             | -             | + | + | 1 | 4 | + | - |   |   | + | + | +                |   | + | -             |  | and the second sec | Contractor | EERING   |     |            |            |   |              |
|   |                 |                     | Location of                            | Sample             | N-39,(0+090)  | N-39,(0+160)  |   | 1 | 1 |   |   |   |   |   |   |   |                  |   |   |               |  | 1  | 1 Conten   | CONSTRI  | )   |            |            |   |              |
|   |                 |                     | Lab.Ref no.                            |                    | RUDP-SB-01    | RUDP-SB-02    | / | 1 |   |   |   |   |   |   |   |   |                  |   |   |               |  |  |            | HONGHENG   |     | 1          | Checked Rv | Engineer<br>Dhirendra Yadav   |              |
|   |                 | T                   | Sn.                                    |                    | -             | 2             | 1 | T | 1 | T |   |   |   |   | + | t |                  | + | + |               |  |  |            | 2  |     | 0          | Che        | En  |              |



|        |                   | С                      | ontract | No:- RI     | tropolita<br>JDP/ICB/I<br>Field Densit | BRT-02   |                            |                         |           |
|--------|-------------------|------------------------|---------|-------------|--|----------|----------------------------|-------------------------|-----------|
|        |                   |                        |         |             | - ind b that                           |          | Month                      | J                       | anuary    |
|        |                   |                        | Lor     | ation:-N    | 20                                     | -        | Year                       |                         | 2021      |
|        |                   |                        | Lot     | Moistur     | e content %                            | Density  | ype of Material<br>(gm/cc) |                         | ub-Base   |
| Sn.    | Lab.Ref.no        | Testing Date           | Chainag |             | Field MC%                              | 11 5     | Field Dry                  | Compac                  | Specifie  |
| 1      | RUDP-SB-FD-1, L/S | 10 1                   | 0.040   |             |  | density  | density,                   | tion                    | %         |
| 2      | RUDP-SB-FD-1, C/L | 18-Jan-21<br>18-Jan-21 | 0+040   |             | 6.20<br>5.70                           | 2.226    | 2.122                      | 95.32                   | 95        |
| 3      | RUDP-SB-FD-1, R/S | 18-Jan-21              | 0+080   |             | 4.65                                   | 2.226    | 2.138                      | 96.04                   | 95        |
| 4      | RUDP-SB-FD-1, L/S | 18-Jan-21              | 0+180   |             | 5.29                                   | 2.226    | 2.128                      | 95.59                   | 95        |
| N      |                   |                        | - 100   | 0.00        | 5.45                                   | 4.420    | 2.138                      | 96.84                   | 95        |
|        |                   |                        |         |             |  |          |                            | 21                      | -         |
|        |                   |                        |         |             |  |          | -                          |                         |           |
| _      | 1                 |                        |         |             |  |          |                            |                         |           |
| -      | 1                 |                        |         |             |  |          |                            |                         |           |
|        |                   |                        | -       |             |  |          |                            |                         |           |
| -      |                   |                        |         |             |  |          | 1                          |                         |           |
|        |                   |                        |         |             |  |          |                            |                         |           |
|        |                   |                        | /       |             |  |          |                            |                         |           |
|        |                   |                        |         |             |  | -        |                            |                         |           |
|        |                   |                        |         |             |  |          |                            |                         |           |
|        |                   |                        |         |             |  |          |                            |                         |           |
| _      |                   |                        |         |             |  |          |                            |                         |           |
| -      |                   |                        |         |             |  |          |                            |                         |           |
| -      |                   |                        |         |             |  | /        |                            |                         |           |
| -      |                   |                        |         |             |  | /        |                            |                         |           |
| -      |                   |                        |         |             |  |          |                            |                         |           |
| -      |                   |                        |         |             |  |          |                            |                         |           |
|        |                   |                        | -       |             |  |          |                            |                         |           |
|        |                   |                        | -       |             |  |          |                            |                         |           |
|        |                   |                        |         |             |  |          |                            | -                       | /         |
|        |                   |                        |         |             |  |          |                            |                         |           |
|        |                   |                        |         |             |  |          |                            |                         |           |
|        | Contract          | 10                     | -       |             |  | Carl     | Sign Aut                   |                         |           |
|        | ZHONGHENG CONSTR  | 11253                  | TID     | BUILDING    | G DESIGN AL                            | UTHORITY | Pliant<br>P) LTD IN JO     | INT VENT                | TIDE WITT |
| Ľ      | TERNATIONAL ENGIN | EERING CO. I           | LTD     | B.N.        | CONSULTAI                              | NCY PVT. | TD AND PLUS<br>KATHMAND    | ENGINEI                 | S. 297    |
|        | Anite in an an    | /                      |         |             | .8.                                    | 12       |                            | CITE AL                 |           |
|        |                   | Λ                      |         |             | pr                                     | )        | nagar + NIS 60             |                         | ,         |
| 0      | y                 | 11:                    |         | NON         |  |          |                            | al                      |           |
|        | ked By            | Submitted By           |         |             |  |          |                            | 90                      |           |
|        |                   | ntract Manager         |         | Verified By | urveyor/CSE                            |          |                            | Approved                |           |
| hirend |                   | oindra Kr. Thaku       |         | H.K. manda  | al/Rajan Shree                         | stha     |                            | Team Lead<br>Giresh Cha |           |
|        |                   |                        |         |             |  |          |                            |                         |           |



|   | ary     | 21<br>base                  |  | Remarks            |               |               |      |   |   |   |   |   |   |   |   |   |   |   | 1  |            | BUILDING DESIGN AUTHORITY (P) UPD IN JOINT VENTURE WITH B.N. CONSULTANCY<br>PVT. LTD AND PLUS ENGINEERS & ANGHIERCTS (P) LTD, KATHMANDU, NEPAL |             |    |                        |   |
|---|---------|-----------------------------|--|--------------------|---------------|---------------|------|---|---|---|---|---|---|---|---|---|---|---|--|------------|--|-------------|----|------------------------|---|
|   | January | 2021<br>Sub-base            | L                                      |                    |               |               |      |   |   |   |   |   |   |   |   |   |   | / |  |            | A. CONS<br>ANDU,   |             |    | By                     | nd  |
|   |         |                             |  | PI% CBR%           | 10.40         | -             |      |   |   |   |   |   |   |   |   |   |   | 1 | >30  |            | TH B.  |             | ×  | Approved By            | Team Leader<br>Giresh Chand                           |
|   | Month:  | Year<br>Type of<br>Material |  | C PI%              | 201           | -             | 2014 |   |   | - | - |   |   |   |   |   | / |   | 99   |            | URE W<br>LTD, K  |             | 0  | App                    | Gires   |
|   | W       | - N                         | -                                      | 0 OMC              | 202 0         | +             | -    |   |   | - |   |   |   |   |   |   | 4 | 1 |  |            | TVENT  |             |    |                        |   |
|   |         |                             | -                                      | MDD                | 0200          | +             |      |   |   |   |   |   |   |   |   | 1 |   |   |  | Consultant | CINE C   |             |    |                        |   |
|   |         |                             |  | 8 0.075            | 2 7.04        | 100           |      |   | - | - |   |   |   |   |   | A |   |   | 7 4~15                                       | Con        | EPD P  | allar * NIC |    |                        |   |
| 07  |         |                             | / Weigh                                | 86 1.18            | CL L1 L5      |               |      |   | - | + |   | _ |   | _ | 1 | - |   | - | 15 15-3                                      | 1 con      | ITY (P)  |             |    | 1                      | CSE   |
| BRT-  |         |                             | ng % B)                                | 5.0 2.36           | 33.59 28.57   |               |      |   | - | + | - |   |   | - | A | - | - | - | 60 20-4                                      |            | THOR<br>SENG   | +           |    | d By                   | Expert Qty Surveyor/CSE<br>(, Mandal/Rajan Shrest     |
| Contract No:- RUDP/ICB/BRT-02<br>Summary Sheet of Monthly Test Report |         | B                           | m / passi                              | 0.0 5              | 56.65 33      |               | -    |   | + | + | - |   | - | 1 |   |   |   | + | -75 30-                                      |            | IGN AL   | S           |    | Verifie                | t Qty Su<br>Idal/Ra                                   |
| R Montl   |         | TIL                         | Sieve Size in mm / passing % By Weight | 20.0 10.0          | 71.20 50      | 68.27 5       | 1    | > | + | + | 1 |   | 1 | 4 | 1 | - | + | + | -85 40                                       |            | G DES<br>LTD A   | Č           | in | Verified By            | Expert Qty Surveyor/CSE<br>H.K. Mandal/Rajan Shrestha |
| No:- I  |         | -: uo                       | Sieve S                                | 37.5               | 90.16 7       |               |      |   | 1 | T |   | - | 1 | 1 | + |   | 1 |   | 5-95 50                                      |            | UILDIN<br>PVT.   |             | -  | И                      | H.  |
| Contract No:- RUDP/ICB/BRT-0<br>Summary Sheet of Monthly Test Report  |         | Location :-T1L8B            |  | 63.0               | 100           | -             |      |   | 1 | 1 |   | 1 |   | 1 | + |   | + | + | 100 65-95 50-85 40-75 30-60 20-45 15-37 4-15 | H          | 8  | -           | -  | -                      | -   |
| Sun   |         | Г                           |  | Date of Testing    | 24-Jan-21     | 25-Jan-21     |      |   |   |   | / | / |   |   |   |   |   |   | Spec. Limit :                                |            | RNATIONAL  | 4           | 0  | Submitted By           | Rabindra Kr. Thakur                                   |
|   |         |                             |  | Source of Sample I | Chisang Khola | Chisang Khola |      |   |   | / |   |   |   |   |   |   |   |   |  | Contractor | G CO. LTD  | -           |    | Su Su                  | Rabir   |
|   |         |                             | Location of                            |                    | T1L8B,(0+180) |               |      | / | / |   |   |   |   |   |   |   |   |   |  | Contra     | ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL<br>ENGINEERING CO. LTD  |             |    |                        |   |
|   |         | •                           | Tak Defe                               |                    | -             | RUDP-SB-02    |      | / |   |   |   |   |   |   |   |   |   |   |  |            | ZHONGHENG  |             | X  | Checked By<br>Engineer | Dhirendra Yadav                                       |
|   |         |                             | C.                                     | TIC                |               | 2             | l    |   |   |   |   | T |   | T |   |   |   |   |  |            | ~  |             | Ø  | Che                    | Dhiren  |



|       | REGI                                   | ONAL I   | Contra         | agar M<br>ct No:- 1 | EVELO<br>letropolit<br>RUDP/ICE<br>of Field Den: | an City<br>B/BRT-02         | NT PRO                                      | JECT                                    |   |
|-------|--|--|----------------|---------------------|--|-----------------------------|---|---|---|
|       |  |  |                |                     |  | F                           | Month                                       | Janu                                    | and the second se |
| _     |  |  | Loca           | tion:-T1            | L8B  |                             | Year<br>Type of Material                    | 202<br>Sub-I                            |   |
|       |  |  |                | -                   | e content %                                      |                             | ty(gm/cc)                                   | Compac                                  | tion %  |
| Sn.   | Lab.Ref.no                             | Testing Date                                     |                | OMC70               | Field MC%  | Max.Dry<br>density<br>gm/cc | Field Dry<br>density,<br>gm/cc              | Compaction %                            | Specified<br>%  |
| 1 2   | RUDP-SB-FD-1, L/S<br>RUDP-SB-FD-1, R/S | 27-Jan-21<br>27-Jan-21                           | 0+140          | 7.23                | 5.07   | 2.230                       | 2.140                                       | 95.97                                   | 95  |
| 3     | RUDP-SB-FD-1, L/S                      |  | 0+190<br>0+220 | 7.23                | 5.96<br>6.34                                     | 2.230                       | 2.169                                       | 97.30                                   | 95  |
| 4     | RUDP-SB-FD-1, R/S                      | 27-Jan-21  | 0+240          | 7.23                | 5.58   | 2.230                       | 2.169                                       | 95.16<br>96.36                          | 95  |
| 5     | RUDP-SB-FD-1, L/S                      | 27-Jan-21  | 0+270          | 7.23                | 5.30   | 2.230                       | 2.125                                       | 95.35                                   | 95<br>95  |
|       |  |  |                |                     |  |                             |   | 10.00                                   | 75  |
| -     | 1                                      |  |                |                     |  | 1.4                         | -   |   |   |
|       |  |  |                |                     | -  |                             |   |   |   |
|       |  |  |                |                     |  |                             |   |   |   |
| -     |  |  |                |                     |  |                             |   |   | -   |
| -     |  |  |                |                     |  |                             |   |   |   |
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| +     |  |  | -              |                     |  | _                           |   |   |   |
| +     |  |  |                |                     |  |                             |   |   |   |
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| +     |  |  |                |                     |  |                             |   |   |   |
| +     |  |  |                |                     |  |                             |   |   |   |
|       |  |  |                | -                   |  |                             |   |   |   |
|       |  |  |                |                     |  |                             |   |   |   |
| -     |  |  |                |                     |  |                             |   |   |   |
| -     |  |  |                |                     |  |                             |   |   | 1   |
| -     | 1100 10                                |  |                |                     |  | (in                         | n Autho                                     |   |   |
| -     | Contracto                              | r sell   |                |                     |  |                             | nsultant                                    |   |   |
| IN    | TERNANONAL ENGIN                       | CTION GROU                                       | TD 1           | BUILDING<br>CONSUL  | TAILLI LAL,                                      | LIUANDI                     | P) LTD IN JOI<br>PLUS ENGINE<br>MANDU, NEP. | NT VENTURE V<br>ERS & ARCHIT<br>AL      | WITH B.N.<br>ECTS (P)   |
| Ingin | eer Col                                | ubbitted By<br>ntract Manager<br>ndra Kr. Thakur |                | Expert Q            | erified By<br>by Surveyor/C:<br>dal/Rajan Shree  | SE                          | * 11  | Approved E<br>Tean Leade<br>Giresh Chan | r I   |



|   | January        | Sub-base                        |  | Remarks        |               |               |                      |   |   |   |   |   |   |   |   |   |   | 1  |  |   | ) LTD,  |          | 1            |   |
|---|----------------|---------------------------------|--|----------------|---------------|---------------|----------------------|---|---|---|---|---|---|---|---|---|---|--|--|---|---|----------|--------------|---|
|   | -              | s                               |  | CBR%           | 43.98         |               |                      |   | T |   | T |   |   | t | Ħ | T | 1 | >30  |  |   | BUILDING DESIGN AUTHORITY (P) LITDIN JOINT VENTURE WITH B.N.<br>CONSULTANCY PVT. LITD AND PLOS ENGANEERS & ARCHITECTS (P) LID.<br>KATHMANDU APPAL   |          | Approved Bv  | Team Leader<br>Giresh Chand                           |
|   | Month:<br>Vear | Type of<br>Material             |  | %Id            | 1.23          | -             | 1.70                 |   |   |   |   |   |   |   |   |   |   | < 9  |  |   | ARCHI   | K        | Approve      | Team  |
| 3   | Mo             | Tyl                             |  | OMC            | 5.90          | -             |                      |   |   |   |   |   |   |   |   | 1 |   |  |  |   | IOINT VIOLINT |          |              |   |
|   |                |                                 |  | MDD            | 2.234         |               |                      |   |   |   |   |   |   |   |   | 1 |   |  |  | tant                                    |   |          |              |   |
|   |                |                                 |  | 0.075          | 7.52          | 9.48          | 9.78                 |   |   |   |   |   |   |   |   |   |   | 4~15   | cion Aure  | Consultant                              | PLOS E<br>MAND  | US JIV * |              |   |
|   |                |                                 | Veight                                 | 1.18           | 18.17         | 20.12         | 18.76                | 1 |   |   |   |   |   |   | 1 |   |   | 100 65-95 50-85 40-75 30-60 20-45 15-37 4-15 | 1  |   | HORI  |          |              | stha  |
| 02  |                | k                               | Sieve Size in mm / passing % By Weight | 2.36           | 35.72         | 37.61         | 39.87                | 1 |   |   |   |   |   |   | / |   |   | 20-45  |  |   | TUAUT<br>T. LTI   | 1        |              | Expert Qty Surveyor/CSE<br>H.K. Mandal/Rajan Shrestha |
| SRT-  |                | how                             | passing                                | 5.0            | 60.07 49.64   | 55.56 46.03   | 49.65                |   |   |   |   |   |   |   |   |   |   | 3060   |  |   | DESIG   |          | By           | Expert Qty Surveyor/CSE<br>H.K. Mandal/Rajan Shi      |
| CB/I  |                | arad                            | mm n                                   | 10.0           |               |               | 58.42                |   |   | - |   |   |   | 1 |   |   |   | 40~75  |  |   | DING  | L        | Verified By  | Manda   |
| JDP/  |                | Ban                             | ve Size                                | 20.0           | 73,17         | -             | 69.12                | + |   | + |   | - | 1 |   |   |   | - | 50-8   |  |   | BUII  | 8ª       | 102          | H.K. I  |
| :- RI   |                | st of                           | Sic                                    | 37.5           | 88.92         | -             | 86.31                |   |   |   |   |   | 1 |   |   |   |   | 65-95  |  |   |   |          | 14           |   |
| ict No  |                | :-Ea                            |  | 63.0           | 100           | 100           | 100                  |   |   |   |   | 1 |   |   |   |   |   |  |  |   | ING   |          |              | in in   |
| Contract No:- RUDP/ICB/BRT-02<br>Summary Sheet of Monthly Test Report |                | Location :-East of Banjarachowk | Date of Tacting                        | Siment to Amor | 26-Jan-21     | 26-Jan-21     | 27-Jan-21            |   |   |   | / | / |   |   |   |   |   | Spec. Limit :                                |  |   | L ENGINEER  | 0        | Submitted By | Contract Manager<br>Rabindra Kr. Thakur               |
|   |                | •                               | Source of Samule                       |                | Chisang Khola | Chisang Khola | Chisang Khola        |   |   | / | / |   |   |   |   |   |   |  |  | and | NTERATIONA  |          | I S          | Con<br>Rabi   |
|   |                |                                 | f                                      | -              |               | _             | Daujaracnowk,(0+040) |   | / |   |   |   |   |   |   |   |   |  | Contraction of the second seco | A CONTRACTOR OF A CONTRACT              | ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING  |          |              |   |
|   |                |                                 | Lab.Ref no.                            | -              | -             | RUDP-SB-02    | -                    |   |   |   |   |   |   |   |   |   |   |  |  |   | NGHENG CON  | M        | Checked By   | Dhirendra yadav                                       |
|   |                |                                 | Sn.                                    |                |               | 4 0           | V                    | Ħ | T | T | 1 |   | Ħ | T | H | + | Ħ |  | 1  |   | ZHOI  | 0        | Che W        | Dhiren  |



|        |                   |                | Summ      | ary Sheet | RUDP/ICB<br>t of Field Dens | ity Test         |                          | -                           |            |
|--------|-------------------|----------------|-----------|-----------|-----------------------------|------------------|--------------------------|-----------------------------|------------|
|        |                   |                |           |           |                             | F                | Month                    |                             | uary       |
| _      |                   | Lo             | cation:-E | ast of Ba | njarachowk                  | -                | Year<br>Type of Material |                             | Base       |
| C.     | I.I.D.C.          |                |           | Moistu    | re content %                | Densi            | ity(gm/cc)               |                             | ction %    |
| Sn.    | Lab.Ref.no        | Testing Date   | Chainage  | OMC%      | Field MC%                   | Max.Dry          |                          | Compaction                  | Specifie   |
| 1      | RUDP-SB-FD-1, R/S | 29-Jan-21      | 0+040     | 5.90      | 5.08                        | density<br>2.234 | density,<br>2.153        | %<br>96.38                  | %<br>95    |
| 2      | RUDP-SB-FD-1, L/S | 29-Jan-21      | 0+080     | 5.90      | 5.71                        | 2.234            | 2.133                    | 95.71                       | 95         |
| 3      | RUDP-SB-FD-1, R/S | 29-Jan-21      | 0+090     | 5.90      | 4.38                        | 2.234            | 2.182                    | 97.68                       | 95         |
| 4      | RUDP-SB-FD-1, L/S | 29-Jan-21      | 0+140     | 5.90      | 4.45                        | 2.234            | 2.125                    | 95.13                       | 95         |
| 5      | RUDP-SB-FD-1, R/S | 29-Jan-21      | 0+180     | 5.90      | 3.62                        | 2.234            | 2.171                    | 97.28                       | 95         |
| -      |                   |                |           |           |                             |                  |                          | ./                          | 1          |
| -      | 1                 |                |           |           |                             |                  |                          |                             |            |
| -      |                   |                |           |           |                             | 14               |                          |                             |            |
| -      |                   |                |           |           |                             |                  |                          |                             |            |
|        |                   |                |           |           |                             |                  |                          | -                           |            |
|        |                   |                |           |           |                             |                  | -                        |                             |            |
|        |                   |                |           |           |                             |                  |                          |                             |            |
|        |                   |                |           |           |                             | -                |                          |                             |            |
|        |                   |                | 1         |           |                             |                  |                          |                             |            |
|        |                   |                |           |           |                             | +                |                          |                             |            |
|        |                   |                |           |           |                             |                  |                          |                             |            |
|        |                   |                |           |           |                             |                  |                          |                             |            |
|        |                   |                |           |           |                             |                  |                          |                             |            |
|        |                   |                |           |           |                             | /                |                          |                             |            |
| -      |                   |                |           |           |                             | /                |                          |                             |            |
| -      |                   |                |           |           |                             |                  |                          |                             |            |
| -      |                   |                |           |           |                             |                  |                          |                             |            |
| -      |                   |                |           |           |                             |                  |                          |                             |            |
| -      |                   |                |           | -         |                             | 4                |                          |                             |            |
| -      |                   | -              |           |           |                             |                  |                          |                             |            |
| -      |                   |                |           |           |                             |                  |                          |                             | /          |
| _      |                   |                |           |           |                             |                  |                          |                             | 1          |
|        | TOM GROUP INTERN  | UTION          |           |           |                             |                  |                          |                             |            |
|        | Contracto         |                |           |           |                             | Co               | insultant                |                             |            |
| 3      | ZHONGHENG CONSTRU | CTION GROU     | P         | BUILDIN   | G DESIGN AU                 | THODIPY          | (D) I TO IN LOI          | NT VENTURE                  | WITH B.N.  |
| R      | TERNATIONAL ENGIN | EERING CO. I   | TD        | CONSULT   | ANCY PVT. L1                | D AND PL         | <b>US ENGINEER</b>       | S & ARCHITEC                | TS (P) LTD |
|        | 1                 | 1              | -         |           |                             | KATHM            | ANDU, NEPAL              |                             |            |
|        |                   |                |           | C         | 1 An                        | (En)             | 13/2                     |                             |            |
|        |                   | 1              |           | 10M       |                             | gar ,            | ATP SILLO                |                             | /          |
| 8      | M                 | h              |           | Na        | 0                           |                  |                          | /                           |            |
| Chec   | ked By            | Submitted      | Ru .      | Verified  | Die                         |                  |                          | Q                           |            |
| Engi   |                   | Contract Mar   |           |           | irvevor/CSE                 |                  |                          | Approved By                 |            |
| nirend | ra yadav          | Rabindra Kr. T |           |           | I/Rajan Shresth             | a                |                          | Team Leader<br>Giresh Chand |            |
|        |                   |                |           |           |                             |                  |                          |                             |            |



|                | 'Sub-base | Remarks                        |   |  |  |   |  |  |  |   |   |   |  |  |   |   |  |  |  |   |  |  | CONSTITUENOS  | NDU, NEPAL   |   |  | 1.  |   |
|----------------|-----------|--------------------------------|---|--|--|---|--|--|--|---|---|---|--|--|---|---|--|--|--|---|--|--|---|--|---|--|---|---|
|                | _         | CBR%                           | _   | 48.10  |  |   |  |  |  |   |   |   |  |  |   |   |  |  |  | 1   | >30  |  | THRN  | ATHMA  |   | 0  | Annual Bu   | Team Leader   |
| Month:<br>Year | aterial   | C P1%                          | -   | -  | 1.17   |   |  |  |  |   |   |   |  |  |   |   |  |  | A  |   | 99   |  | IRF. WI   | LTD, K   |   | P  | Anna  | Tean  |
| M              | W         | 0 OMC                          | -   | 6.15   | +  | -   |  |  | -  | -   | -   |   |  |  |   | -   |  | A  |  |   |  |  | LINE  |  | Rus   |  |   |   |
|                |           | _                              | _   | -  |  |   |  |  |  |   |   |   |  |  |   |   | 1  |  |  |   |  | 1  | JOINT   | Danne  | N E   |  |   |   |
|                |           | 0.076                          |   | -  | -  |   |  |  |  |   |   |   |  |  |   |   | I  |  |  |   | 4~15   |  | Cons TD IN  | & ARC  | and's   | )  |   |   |
|                |           | Weight                         |   |  | -  | -   |  |  | -  | -   | -   |   |  |  | -   | 1   |  |  |  |   | 5 15-37  |  | I (d) Al  | NEERS  | T   |  |   | c.  |
|                | (8)       | g%By                           |   | 4 25.6   | 14   | -   |  |  | -  | +   | -   |   |  |  | 1   | 1   |  |  | -  | -   | 0 20-45  |  | HORL  | ENG  |   |  |   | r/CSE   |
| 1              | 0 R       | 1/ passin                      |   |  |  |   |  | -  | +  | +   |   |   |  |  | 4   | +   |  | -  | -  | -   | 75 30-6  |  | LOVAUS  | D PLUS   | -   |  | 1 Bv  | Surveyo   |
|                | -29 t     | 0 0 10                         |   |  |  | 7   |  | +  | +  | +   | -   | -   |  | A  | +   | -   |  | +  | +  | +   | 85 40~   |  | DESIG   | NA UT.   | B   | 5  | <i>kerified</i>   | Expert Qty Surveyor/CSE<br>H K Mandal/Raian Shrootho  |
|                | -7,(R     | 7.5 2                          | -   | -  | -  |   |  | +  | +  | +   | -   | -   | 1  | +  | +   | -   | -  | +  | +  | +   | 95 50-   |  | ILDING  | PVT. I   | C   | ng   | P   | Expe  |
| \$             | X -: L    |                                | _   | -  | -  |   |  | +  | +  | +   |   | 1   | -  | +  | +   | +   | -  | +  | +  | +   | 0 65-  | +  | BU  |  |   | -  | 4   | _   |
|                | Locatior  | -                              | 1   | T  | T  |   |  |  |  | /   | /   | /   |  |  |   |   |  |  |  |   | Spec. Limit : 10   |  | NATIONAL  |  | 0   | (1)  | ibmitted By   | Contract Manager<br>Rabindra Kr. Thakur   |
|                |           | _                              | Chisane Khola   | Chisang Khola  |  |   |  | /  | /  | 1   |   |   |  |  |   |   |  |  |  |   |  | etor   |   | G CO. ETD  | 311   |  | - IS  | Con   |
|                |           |                                | R-7.(0+050)   | -  |  |   | /  | 1  |  |   |   |   |  |  |   |   |  |  |  |   |  | Cuntes   | ONSTRUCTIO  | ENGINEERIN   |   |  |   |   |
|                |           | Lab.Ref no.                    | RUDP-SB-01  | RUDP-SB-02   |  | 1   |  |  |  |   |   |   |  |  |   |   |  |  |  |   |  |  | CHONGHENG   | -  |   | A  | Checked By  | Engineer<br>Dhirendra yadav   |
|                |           | Location :- R-7,(R-29 to R-28) | Location of Sample Date of Testing 63.0 37.5 200 100 5.0 23.6 1.0 0.000 C | Location of<br>Sample         Location :- R-7, (R-29 to R-28)           Location of<br>Sample         Source of Sample         Date of Testing         53.0         37.5         20.0         10.0         5.0         2.36         1.18         0.075         MDD         C | Location :- R-7,(R-29 to R-28)           Location of Sample Date of Testing 53.0         Siteve Size in mm / passing % By Weight           R-7,(R-29 to R-28)           R-7,(0+050)         Chisang Khola         4-1an-21         100         Size Size in mm / passing % By Weight           R-7,(0+140)         Chisang Khola         4-1an-21         100         Size 20.0         100         Size 20.0         Colspan="2">MDD         C           R-7,(0+140)         Chisang Khola         5-1an-21         100         Size 2.23         C | Location :- R-7,(R-29 to R-28)           Location of Sample         Source of Sample         Date of Testing         53:ce Size in mm / passing % By Weight           R-7,(0+050)         Chisang Khola         4-1an-21         100         88.27         77.11         63.0         37.5         20.0         100         S.0         2.36         1.18         0.075         MDD         C           R-7,(0+140)         Chisang Khola         4-1an-21         100         88.27         77.11         S.44         S.44 <th< td=""><td>Location of Sample Date of Testing         Sieve Size in mm / passing % By Weight           Location of Sample         Date of Testing         63.0         37.5         20.0         100         Sieve Size in mm / passing % By Weight           R-7,(0+050)         Chisang Khola         4-Jan-21         100         8.20.0         10.0         Side 2.236         Location           R-7,(0+140)         Chisang Khola         4-Jan-21         100         89.327         77.11         Side 2.225         Colspan="2"           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.37.4         2.565         16.93         Side 2.225         Colspan="2"           R-7,(0+140)         Chisang Khola         5-Jan-2.1         100         89.37.14         27.93         Side 2.225         Colspan="2"           R-7,(0+140)         Chisang Khola         5-Jan-2.1         100</td><td>Location of Sample Date of Testing         Sieve Size in mm / passing % By Weight           Location of Sample         Date of Testing         Sieve Size in mm / passing % By Weight         MDD         C           R-7,(0+050)         Chisang Khola         4-1an-21         100         89.32         79.44         63.40         3.7.5         20.0         100         5.0         2.665         16.93         5.64         2.225         0           R-7,(0+140)         Chisang Khola         5-1an-21         100         89.32         79.44         63.44         3.734         27.65         16.93         5.64         2.225         0           No         Chisang Khola         5-1an-21         100         89.32         79.44         63.44/         37.14         27.93         17.37         8.25         0</td><td>Location of Sample Date of Testing         Sieve Size in mm / passing % By Weight           Location of Sample         Date of Testing         Sieve Size in mm / passing % By Weight         MDD         C           R-7,(0+050)         Chisang Khola         4-Jan-21         100         89.2         20.0         100         5.0         2.66         16.93         5.64         2.225         0           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.44         37.74         27.65         16.93         5.64         2.225         0           N-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.44         37.14         27.93         17.37         8.25         0         0         1         0         1         0         1         0         1</td><td>Location :- R-7, (R-29 to R-28)           Location of<br/>Sample         Sieve Size in mm / passing % By Weight           Sample         Sieve Size in mm / passing % By Weight           R-7, (0+050)         Chisang Khola         4-1an-21         100         Sieve Size in mm / passing % By Weight           R-7, (0+140)         Chisang Khola         4-1an-21         100         Size 118         0.075         MDD         C           R-7, (0+140)         Chisang Khola         4-1an-21         100         Size 16.93         Size 2.225         C           R-7, (0+140)         Chisang Khola         5-Jan-21         100         Size 2.223         C           R-7, (0+140)         Chisang Khola         5-Jan-21         100         Size 2.223         C           Colspan="2"&gt;C         Size 2.225         C           C         C         Size 2.225         C           C         C         C          C     <td>Location :- R-7,(R-29 to R-28)           Location of<br/>Sample         Sieve Size in mm / passing % By Weight           Sample         Source of Sample         Date of Testing         63.0         37.5         20.0         10.0         5.0         23.6         1.18         0.075         MDD         C           R-7,(0+050)         Chisang Khola         4-Jan-21         100         88.27         77.11         63.60         32.44         63.41         37.14         27.93         17.37         8.25         1           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.41         37.14         27.93         17.37         8.25         1           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.41         37.14         27.93         17.37         8.25         1           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.41         27.93         17.37         8.25         1</td><td>Location :- R-7, (R-29 to R-28)           Location of<br/>Sample         Size Size in mm / passing % By Weight           R-7,(0+050)         Chisang Khola         4-1an-21         100         8.27         7.11         6.3.0         3.2.4         2.2.2.5         C           R-7,(0+140)         Chisang Khola         4-1an-21         100         88.27         77.11         63.60         32.74         25.65         16.93         5.64         2.225         C           R-7,(0+140)         Chisang Khola         5-1an-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         7           R-7,(0+140)         Chisang Khola         5-1an-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         7           Notion         Sola         5-3.74         5.56         16.93         5.64         2.225         C           No         C         Sola         5-3.74         5.65         16.93         5.64         2.225         C           Sola         Sola         5-3.74         5.63         5.63</td><td>Location of Sample       Location :- R-7, (R-29 to R-28)         Location of Sample       Source of Sample       Date of Testing       Size Size in mm / passing % BY Weight       MDD       C         R-7,(0+030)       Chisang Khola       4-Jan-21       100       88.27       77.11       63.60       32.74       25.65       16.93       56.4       2.225       C         R-7,(0+140)       Chisang Khola       4-Jan-21       100       89.32       79.44       63.44       37.14       27.93       17.37       8.25       7       7       1       25.65       16.93       56.4       2.225       C       1&lt;</td><td>Location of Sample       Location :- R-7, (R-29 to R-28)         Location of Sample       Date of Testing       Silvere Size in mm / passing % By Weight       MDD       C         R-7,(0+030)       Chisang Khola       4-Jan-21       100       88.27       77.11       63.60       32.74       25.65       16.93       564       2225       C         R-7,(0+140)       Chisang Khola       4-Jan-21       100       89.32       79.44       63.44       37.14       27.93       17.37       8.25       C       &lt;</td><td>Location of<br/>Sample         Location :- R-7,(R-29 to R-28)           Location of<br/>Sample         Source of Sample         Date of Testing         Sieve Size in mm/ passing % By Weight           Sample         Source of Sample         Date of Testing         63.0         37.5         20.0         10.0         5.0         11.8         0.075         MDD         C           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.27         77.11         63.60         3.274         3.564         2.225         0           K-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         0</td><td>Location :- R-7,(R-29 to R-28)           Location of<br/>Sample         Source of Sample         Date of Testing         Sieve Size in mm/ passing % By Weight           Sample         Source of Sample         Date of Testing         63.0         37.5         20.0         10.0         5.0         18.0         MDD         C           R-7,(0+140)         Chisang Khola         4-Jan-21         100         88.27         77.11         63.60         32.74         35.64         2225         6           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         6         1         32.64         2225         6         1         3         6         2225         6         1         3         6         2225         6         1         3         1         3         3         5         3         5         3         5         3         5         3         5         3         6         3         6         3         6         3         6         3         6         3         6         3         6         3         5         3         5         3         5</td><td><math display="block">\begin{tabular}{ c c c c c c c c c c c c c c c c c c c</math></td><td><math display="block">\begin{tabular}{ c c c c c c c c c c c c c c c c c c c</math></td><td>Location of<br/>Sample         Location :- R-7,(R-29 to R-28)           Location of<br/>Sample         Source of Sample         Date of Testing         Sieve Size in mm/ passing % By Weight         MDD         C           R-7,(0+140)         Chisang Khola         4-Jan-21         100         89.27         77.11         63.60         3.5/4         2.2255         6           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         7         7           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         7         7         1         27.93         17.37         8.25         7         7         1         1&lt;7</td>         7         1&lt;7</td>         1&lt;7</th<> | Location of Sample Date of Testing         Sieve Size in mm / passing % By Weight           Location of Sample         Date of Testing         63.0         37.5         20.0         100         Sieve Size in mm / passing % By Weight           R-7,(0+050)         Chisang Khola         4-Jan-21         100         8.20.0         10.0         Side 2.236         Location           R-7,(0+140)         Chisang Khola         4-Jan-21         100         89.327         77.11         Side 2.225         Colspan="2"           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.37.4         2.565         16.93         Side 2.225         Colspan="2"           R-7,(0+140)         Chisang Khola         5-Jan-2.1         100         89.37.14         27.93         Side 2.225         Colspan="2"           R-7,(0+140)         Chisang Khola         5-Jan-2.1         100 | Location of Sample Date of Testing         Sieve Size in mm / passing % By Weight           Location of Sample         Date of Testing         Sieve Size in mm / passing % By Weight         MDD         C           R-7,(0+050)         Chisang Khola         4-1an-21         100         89.32         79.44         63.40         3.7.5         20.0         100         5.0         2.665         16.93         5.64         2.225         0           R-7,(0+140)         Chisang Khola         5-1an-21         100         89.32         79.44         63.44         3.734         27.65         16.93         5.64         2.225         0           No         Chisang Khola         5-1an-21         100         89.32         79.44         63.44/         37.14         27.93         17.37         8.25         0 | Location of Sample Date of Testing         Sieve Size in mm / passing % By Weight           Location of Sample         Date of Testing         Sieve Size in mm / passing % By Weight         MDD         C           R-7,(0+050)         Chisang Khola         4-Jan-21         100         89.2         20.0         100         5.0         2.66         16.93         5.64         2.225         0           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.44         37.74         27.65         16.93         5.64         2.225         0           N-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.44         37.14         27.93         17.37         8.25         0         0         1         0         1         0         1         0         1 | Location :- R-7, (R-29 to R-28)           Location of<br>Sample         Sieve Size in mm / passing % By Weight           Sample         Sieve Size in mm / passing % By Weight           R-7, (0+050)         Chisang Khola         4-1an-21         100         Sieve Size in mm / passing % By Weight           R-7, (0+140)         Chisang Khola         4-1an-21         100         Size 118         0.075         MDD         C           R-7, (0+140)         Chisang Khola         4-1an-21         100         Size 16.93         Size 2.225         C           R-7, (0+140)         Chisang Khola         5-Jan-21         100         Size 2.223         C           R-7, (0+140)         Chisang Khola         5-Jan-21         100         Size 2.223         C           Colspan="2">C         Size 2.225         C           C         C         Size 2.225         C           C         C         C          C <td>Location :- R-7,(R-29 to R-28)           Location of<br/>Sample         Sieve Size in mm / passing % By Weight           Sample         Source of Sample         Date of Testing         63.0         37.5         20.0         10.0         5.0         23.6         1.18         0.075         MDD         C           R-7,(0+050)         Chisang Khola         4-Jan-21         100         88.27         77.11         63.60         32.44         63.41         37.14         27.93         17.37         8.25         1           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.41         37.14         27.93         17.37         8.25         1           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.41         37.14         27.93         17.37         8.25         1           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.41         27.93         17.37         8.25         1</td> <td>Location :- R-7, (R-29 to R-28)           Location of<br/>Sample         Size Size in mm / passing % By Weight           R-7,(0+050)         Chisang Khola         4-1an-21         100         8.27         7.11         6.3.0         3.2.4         2.2.2.5         C           R-7,(0+140)         Chisang Khola         4-1an-21         100         88.27         77.11         63.60         32.74         25.65         16.93         5.64         2.225         C           R-7,(0+140)         Chisang Khola         5-1an-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         7           R-7,(0+140)         Chisang Khola         5-1an-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         7           Notion         Sola         5-3.74         5.56         16.93         5.64         2.225         C           No         C         Sola         5-3.74         5.65         16.93         5.64         2.225         C           Sola         Sola         5-3.74         5.63         5.63</td> <td>Location of Sample       Location :- R-7, (R-29 to R-28)         Location of Sample       Source of Sample       Date of Testing       Size Size in mm / passing % BY Weight       MDD       C         R-7,(0+030)       Chisang Khola       4-Jan-21       100       88.27       77.11       63.60       32.74       25.65       16.93       56.4       2.225       C         R-7,(0+140)       Chisang Khola       4-Jan-21       100       89.32       79.44       63.44       37.14       27.93       17.37       8.25       7       7       1       25.65       16.93       56.4       2.225       C       1&lt;</td> <td>Location of Sample       Location :- R-7, (R-29 to R-28)         Location of Sample       Date of Testing       Silvere Size in mm / passing % By Weight       MDD       C         R-7,(0+030)       Chisang Khola       4-Jan-21       100       88.27       77.11       63.60       32.74       25.65       16.93       564       2225       C         R-7,(0+140)       Chisang Khola       4-Jan-21       100       89.32       79.44       63.44       37.14       27.93       17.37       8.25       C       &lt;</td> <td>Location of<br/>Sample         Location :- R-7,(R-29 to R-28)           Location of<br/>Sample         Source of Sample         Date of Testing         Sieve Size in mm/ passing % By Weight           Sample         Source of Sample         Date of Testing         63.0         37.5         20.0         10.0         5.0         11.8         0.075         MDD         C           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.27         77.11         63.60         3.274         3.564         2.225         0           K-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         0</td> <td>Location :- R-7,(R-29 to R-28)           Location of<br/>Sample         Source of Sample         Date of Testing         Sieve Size in mm/ passing % By Weight           Sample         Source of Sample         Date of Testing         63.0         37.5         20.0         10.0         5.0         18.0         MDD         C           R-7,(0+140)         Chisang Khola         4-Jan-21         100         88.27         77.11         63.60         32.74         35.64         2225         6           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         6         1         32.64         2225         6         1         3         6         2225         6         1         3         6         2225         6         1         3         1         3         3         5         3         5         3         5         3         5         3         5         3         6         3         6         3         6         3         6         3         6         3         6         3         6         3         5         3         5         3         5</td> <td><math display="block">\begin{tabular}{ c c c c c c c c c c c c c c c c c c c</math></td> <td><math display="block">\begin{tabular}{ c c c c c c c c c c c c c c c c c c c</math></td> <td>Location of<br/>Sample         Location :- R-7,(R-29 to R-28)           Location of<br/>Sample         Source of Sample         Date of Testing         Sieve Size in mm/ passing % By Weight         MDD         C           R-7,(0+140)         Chisang Khola         4-Jan-21         100         89.27         77.11         63.60         3.5/4         2.2255         6           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         7         7           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         7         7         1         27.93         17.37         8.25         7         7         1         1&lt;7</td> 7         1<7 | Location :- R-7,(R-29 to R-28)           Location of<br>Sample         Sieve Size in mm / passing % By Weight           Sample         Source of Sample         Date of Testing         63.0         37.5         20.0         10.0         5.0         23.6         1.18         0.075         MDD         C           R-7,(0+050)         Chisang Khola         4-Jan-21         100         88.27         77.11         63.60         32.44         63.41         37.14         27.93         17.37         8.25         1           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.41         37.14         27.93         17.37         8.25         1           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.41         37.14         27.93         17.37         8.25         1           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.41         27.93         17.37         8.25         1 | Location :- R-7, (R-29 to R-28)           Location of<br>Sample         Size Size in mm / passing % By Weight           R-7,(0+050)         Chisang Khola         4-1an-21         100         8.27         7.11         6.3.0         3.2.4         2.2.2.5         C           R-7,(0+140)         Chisang Khola         4-1an-21         100         88.27         77.11         63.60         32.74         25.65         16.93         5.64         2.225         C           R-7,(0+140)         Chisang Khola         5-1an-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         7           R-7,(0+140)         Chisang Khola         5-1an-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         7           Notion         Sola         5-3.74         5.56         16.93         5.64         2.225         C           No         C         Sola         5-3.74         5.65         16.93         5.64         2.225         C           Sola         Sola         5-3.74         5.63         5.63 | Location of Sample       Location :- R-7, (R-29 to R-28)         Location of Sample       Source of Sample       Date of Testing       Size Size in mm / passing % BY Weight       MDD       C         R-7,(0+030)       Chisang Khola       4-Jan-21       100       88.27       77.11       63.60       32.74       25.65       16.93       56.4       2.225       C         R-7,(0+140)       Chisang Khola       4-Jan-21       100       89.32       79.44       63.44       37.14       27.93       17.37       8.25       7       7       1       25.65       16.93       56.4       2.225       C       1< | Location of Sample       Location :- R-7, (R-29 to R-28)         Location of Sample       Date of Testing       Silvere Size in mm / passing % By Weight       MDD       C         R-7,(0+030)       Chisang Khola       4-Jan-21       100       88.27       77.11       63.60       32.74       25.65       16.93       564       2225       C         R-7,(0+140)       Chisang Khola       4-Jan-21       100       89.32       79.44       63.44       37.14       27.93       17.37       8.25       C       < | Location of<br>Sample         Location :- R-7,(R-29 to R-28)           Location of<br>Sample         Source of Sample         Date of Testing         Sieve Size in mm/ passing % By Weight           Sample         Source of Sample         Date of Testing         63.0         37.5         20.0         10.0         5.0         11.8         0.075         MDD         C           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.27         77.11         63.60         3.274         3.564         2.225         0           K-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         0 | Location :- R-7,(R-29 to R-28)           Location of<br>Sample         Source of Sample         Date of Testing         Sieve Size in mm/ passing % By Weight           Sample         Source of Sample         Date of Testing         63.0         37.5         20.0         10.0         5.0         18.0         MDD         C           R-7,(0+140)         Chisang Khola         4-Jan-21         100         88.27         77.11         63.60         32.74         35.64         2225         6           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         6         1         32.64         2225         6         1         3         6         2225         6         1         3         6         2225         6         1         3         1         3         3         5         3         5         3         5         3         5         3         5         3         6         3         6         3         6         3         6         3         6         3         6         3         6         3         5         3         5         3         5 | $\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$ | $\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$ | Location of<br>Sample         Location :- R-7,(R-29 to R-28)           Location of<br>Sample         Source of Sample         Date of Testing         Sieve Size in mm/ passing % By Weight         MDD         C           R-7,(0+140)         Chisang Khola         4-Jan-21         100         89.27         77.11         63.60         3.5/4         2.2255         6           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         7         7           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         7         7         1         27.93         17.37         8.25         7         7         1         1<7 | Location of<br>Sample         Location :- R-7,(R-29 to R-28)           Location of<br>Sample         Source of Sample         Date of Testing         Sieve Size in mm/ passing % By Weight         MDD         C           R-7,(0+140)         Chisang Khola         4-Jan-21         100         89.27         77.11         63.60         3.54         2225         6         1         8         0075         MDD         C           R-7,(0+140)         Chisang Khola         5-Jan-21         100         89.32         79.44         63.84         37.14         27.93         17.37         8.25         2 | Location :- R-7,(R-29 to R-28)           Location of<br>Sample         Source of Sample         Date of Testing         Sieve Size in mm/ passing % By Weight         MDD         C           R-7,(0+140)         Chisang Khola         4-Jan-21         100         88.27         77.11         63.60         3274         25.64         2235         6           R-7,(0+140)         Chisang Khola         4-Jan-21         100         89.32         77.11         63.60         3274         25.64         2235         6           R-7,(0+140)         Chisang Khola         4-Jan-21         100         89.32         77.11         63.60         3274         25.64         2235         6         1         7 | Incation : R-7,(R-29 to R-38)           Increation of sample         Source of Sample         Date of Testing         Silver Size in mm / passing % By Weight           Increation of sample         Date of Testing         Silver Size in mm / passing % By Weight           R-74(0+140)         Chisang Khola         5-Jan-211         100         Silver Size in mm / passing % By Weight           R-74(0+140)         Chisang Khola         5-Jan-211         IO         Silve Size in mm / passing % By Weight           R-74(0+140)         Chisang Khola         5-Jan-211         IO         Silve Size in mm / passing % By Weight           R-74(0+140)         Chisang Khola         5-Jan-211         IO         Silve Size in mm / passing % By Weight           R-74(0+140)         Chisang Khola         5-Jan-211         IO         Silve Size in mm / passing % By Weight           R-74(0+140)         Chisang Khola         5-Jan-211         IO         Silve Size in mm / passing % By Weight           R-74(0+140)         Chisang Khola         5-Jan-211         IO         Silve Size is 384         Silve Size is 384           R-74(0+140)         Chisang Khola         5-Jan-21         I | Location of Source of Sample         Location of Source of Sample       Source of Sample       Date of Testing       Sieve Size in mm / passing %By Weight         Sample       Source of Sample       Date of Testing       Sion       37.5       20.0       10.0       5.0       2.36       11.8       0.075       MDD       C         R-7,(0+140)       Chisang Khola       4-lan-21       100       83.2       77.11       23.04       23.74       27.93       17.37       8.23       2 | Location :- ample Date of Testing 63.0 63.0 63.0 63.1 63.0 63.1 63.1 63.1 63.1 63.1 63.1 63.1 63.1 | Location of Sumple Date of Testing 63.0<br>Sumple Sumple Date of Testing 63.0<br>R-7_(0+140) Chisang Khola 4-Jan-21 100<br>R-7_(0+140) Chisang Khola 5-Jan-21 100<br>R-7_(0+140) Chisang Khola 5-Jan-21 100<br>S-Jan-21 100<br>S-Jan-21 100<br>S-Jan-21 100<br>Spec. Limit: 100 | Location :- R-7,(R-29 to R-28)       aire of Testing     Sieve Size in mm./ passing % By Weight       minple     Date of Testing     Sieve Size in mm./ passing % By Weight     MDD     O       Chola     4-Jan-21     100     \$8.27     77.11     63.69     \$6.93     \$6.93     \$6.94     22.95     O       Chola     5-Jan-21     100     \$8.27     77.11     63.64     37.14     27.93     17.37     \$8.25     C       Chola     5-Jan-21     100     \$8.32     77.11     63.64     37.14     27.93     17.37     \$8.25     C       Chola     5-Jan-21     100     \$8.32     77.14     57.94     53.44     37.14     27.95     17.37     \$8.25     C       Chola     5-Jan-21     100     \$8.32     79.44     63.44     37.14     27.95     17.37     \$8.25     C       Spec. Limit:     100     65-95     50-85     40-75     30-60     20-45     15-37     4-15 | Ino. Location of Sample Date of Testing 63.0<br>B-01 R-7.(0+140) Chisang Khola 4-Jan-21 100<br>B-02 R-7.(0+140) Chisang Khola 5-Jan-21 100<br>B-02 R-7.(0+140) Chisang Khola 5-Jan-21 100<br>S-Jan-21 100<br>B-02 R-7.(0+140) Chisang Khola 5-Jan-21 100<br>B-02 R-7.(0+140) Chisang Khola 5-Jan-21 100<br>B-02 R-7.(0+140) Chisang Khola 14-Jan-21 100<br>B-02 R-7.(0+140) Chisang Khola 14-Jan-20 R-7.(0+140) Chisa | In <u>Location of Source of Sample</u> Date of Testing 63.0<br>B-01 R-7.(0+14.0) Chisang Khola 4-Jan-21 100<br>B-02 R-7.(0+14.0) Chisang Khola 5-Jan-21 100<br>B-02 R-7.(0+14.0) Chisang Khola 5-Jan-21 100<br>S-Jan-21 100<br>B-02 R-7.(0+14.0) Chisang Khola 1-4-Jan-21 100<br>B-02 R-7.( |



|         |                                |   | Summ      | ary Shee           | t of Field Dens  | ity Test                   | Month   | Jan   | uary                     |
|---------|--------------------------------|---|-----------|--------------------|--|----------------------------|---|---|--------------------------|
|         |                                | Lo  | cotion.   | D 7 /D             | 20 to D 20)  |                            | Year  | 20  | 21                       |
|         |                                | 10  | cation    | Moistu             | 29 to R-28)<br>re content %  | Dens                       | Type of Material<br>sity(gm/cc)               |   | Base<br>Ction %          |
| Sn.     | Lab.Ref.no                     | Testing Date  | Chainage  | OMC%               | Field MC%  | Max.Dr<br>density<br>gm/cc | density,                                      | Compaction                                  | Specifie<br>%            |
| 1       | RUDP-SB-FD-1, L/S              |   | 0+040     | 6.15               | 5.61   | 2.225                      | gm/cc<br>2.147                                | %<br>96.52                                  | 95                       |
| 2       | RUDP-SB-FD-1, R/S              |   | 0+090     | 6.15               | 5.95   | 2.225                      | 2.176   | 97.79                                       | 95                       |
| 3       | RUDP-SB-FD-1, L/S              | 6-Jan-21  | 0+130     | 6.15               | 5.99   | 2.225                      | 2.144   | 96.37                                       | 95                       |
| 4       | RUDP-SB-FD-1, R/S              | 6-Jan-21  | 0+170     | 6.15               | 5.56   | 2.225                      | 2.166   | 97.35                                       | 95                       |
| 1       |                                |   | -         | -                  |  |                            | -   | ~   | -                        |
|         | 1.                             |   |           |                    |  |                            |   |   |                          |
|         |                                |   |           |                    |  |                            |   |   |                          |
|         |                                |   | 1         |                    |  |                            |   |   |                          |
| -       |                                |   |           | 2                  |  |                            |   |   |                          |
| -       |                                |   |           |                    |  | -                          |   |   |                          |
|         |                                |   |           |                    |  |                            |   |   |                          |
|         |                                |   | 1         |                    |  |                            |   |   |                          |
|         |                                |   |           |                    |  |                            |   |   | -                        |
| _       |                                |   |           |                    |  |                            |   |   |                          |
| -       |                                |   |           |                    |  |                            |   |   |                          |
| -       |                                |   |           |                    |  |                            |   |   |                          |
| -       |                                |   | -         |                    |  | /                          |   |   |                          |
| -       |                                |   |           |                    |  | -                          |   |   |                          |
|         |                                |   |           |                    |  |                            |   |   |                          |
|         |                                |   |           |                    |  |                            |   |   |                          |
| -       | •                              |   |           |                    |  | _                          |   |   |                          |
| -       |                                |   |           | -                  |  |                            |   |   |                          |
| -       |                                |   |           |                    |  |                            |   |   | -                        |
| -       |                                |   |           |                    |  | -                          |   |   | 1                        |
| -       |                                |   |           |                    |  |                            |   |   |                          |
|         | Contract                       | onk   | -         |                    |  |                            |   |   |                          |
|         | 1158                           | - and and   |           | 1                  |  | 18                         | onsultant                                     |   |                          |
| n       | ZHONGHENG CONSTRUCTION ADDRESS | UCTION GRO<br>EERING CO.                            | UP<br>LTD | BUILDIN<br>CONSULT | NG DESIGN AU   | D AND PI                   | (P) LTD IN JO<br>LUS ENGINEER<br>IANDU, NEPAL | S & ARCHITE                                 | WITH B.N.<br>CTS (P) LTI |
| Origina |                                | A   |           | Ser 1              | y and the second |                            | * AIT SITT                                    | ~   |                          |
| Engi    | ineer . Co                     | Submitted By<br>entract Manager<br>bindra Kr. Thaku |           | xpert Qty S        | ied By<br>urveyor/CSE<br>al/Rajan Shrest   | na                         |   | Approved By<br>Team Leader<br>Giresh Chance |                          |



| 7  | v       |      |                              | -                | Ixemarks  |               |               |   |   |   |   |   |   |   |   |   |   | 1                                    |              | BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VENTURE WITH B.N.<br>CONSULTANCY PVT. LTD AND PUUS ENGINEERS & ARCHITECTS (P)<br>LTD, KATHMANDU, NEPAL |    | By                                     | put                 |  |  |
|--|---------|------|------------------------------|------------------|-----------|---------------|---------------|---|---|---|---|---|---|---|---|---|---|--------------------------------------|--------------|---|----|--|---------------------|--|--|
|  | January | 2021 | Base                         | CBR              | %         | 87.00         |               |   |   |   |   |   |   |   |   |   |   | >80                                  |              | TURE  | X  | Approved By<br>Team Leader             | Giresh Chand        |  |  |
|  |         |      |                              |                  | 5         | 8 82.26       |               |   | - | - | - |   |   |   | - |   | - | >80                                  |              | VEN'<br>S & AJ  |    | Ap                                     | Gi                  |  |  |
|  |         |      |                              | ALV.             |           | 13 19,88      | 33            | - | - | + | - |   | - |   |   |   | A | <35                                  |              | JOINT   | 1  |  |                     |  |  |
|  | ch      | ~    | aterial                      | El and Et 9/     | L' and L' | 19.74/19.13   | 21.00/21.23   |   |   |   |   |   |   |   |   |   | / | < 35                                 | 101          | THORETY (P) LTD IN JOINT<br>. LTD AND PLUS ENGINEER<br>LTD, KATHMANDU, NEPAL  |    |  |                     |  |  |
|  | Month   | Year | Type of Material             | L.A.A.           |           | 29.80         |               |   |   |   |   |   |   |   |   | 1 |   | < 45                                 | Condition to | (P) L   |    |  |                     |  |  |
| CCT  |         |      | _                            | DIeZ             | E4/0      | NP            |               |   |   |   |   |   |   |   |   | 4 |   |                                      |              | D AND   |    |  |                     |  |  |
| floa   |         |      |                              | DMC U            |           | 45 5.25       |               |   | - | - |   |   |   |   | 1 |   | - |                                      |              | AUTH<br>VT. LT<br>LTI   |    | CSE                                    | restha              |  |  |
| r pr   |         |      |                              | MUM              | _         | 02 2.245      | 73            | + | + | + | + |   |   |   | / | _ | - | 0                                    |              | SIGN.   |    | Verified By<br>Expert Qty Surveyor/CSE | ajan Shi            |  |  |
| LEN<br>Sity<br>-02<br>Report   |         |      | -                            |                  | 0.6 0.075 |               | 15.72 5.73    | + | + | + | - | - | - | + | 1 | - | + | 28 2-10                              |              | NG DE   | 2  | Verified By<br>1 Qty Surveyo           | andal/R             |  |  |
| OPN<br>litan C<br>B/BRT  |         |      | R-28                         | y Weight         | 2.36 0    | _             | 23.37 15      | 1 | > | + | - | - | - | + |   | + | + | -53 12-                              |              | INNO  | 59 | Experi                                 | H.K. M              |  |  |
| VEL<br>tropo<br>DP/IC  |         |      | 29 to                        | passing B        | 4.75 2    |               | 30.43 2       | + | 1 | + | - |   | 1 | - |   | - | + | 6-55 21                              | +            | 0. BI   | -  |  | -                   |  |  |
| URBAN DEVELOPMENT<br>Biratnagar Metropolitan City<br>Contract No: RUDP/ICB/BRT-02<br>Summary Sheet of Monthly Test Report                  |         |      | Location:-R-7,(R-29 to R-28) | 6-               | 10        | -             | 56.35 3       | 1 | 1 | T | F |   | t | - |   | 1 | 1 | 85-100 62-92 40-70 26-55 21-53 12-28 |              | ING C   |    | 3y<br>ager                             | akur                |  |  |
| BAN<br>atnag<br>atract l   |         |      | -R-:                         | ve Size in       | 20        |               | 64.66         | 1 | 1 | 1 |   | 7 | F | - |   |   | 1 | 62-92 4                              |              | NEER  | 0  | Submitted By<br>Contract Manager       | Rabindra Kr. Thakur |  |  |
| Bir<br>Col   |         |      | tion                         | Sic              | 31.5      | -             | 87.08         | T | T |   |   | T |   |   |   |   |   | 85-100                               |              | ENG   |    | Sub                                    | Rabind              |  |  |
| NAL  |         |      | Loca                         |                  | 40        | -             | 100           |   |   |   | 1 |   |   |   |   |   |   | 100                                  |              | INN   |    |  |                     |  |  |
| REGIONAL URBAN DEVELOPMENT PROJECT<br>Biratnagar Metropolitan City<br>Contract No: RUDP/ICB/BRT-02<br>Summary Sheet of Monthly Test Report |         |      |                              | Date of          | Testing   | 16-Jan-21     | 17-Jan-21     |   |   |   | 1 |   |   |   |   |   |   | Spec. Limit :                        |              | TERNAR BONAL ENGINEERING CO.  |    |  |                     |  |  |
| R  |         |      |                              | Source of Sample |           | Chisang Khola | Chisang Khola |   |   |   |   |   |   |   |   |   |   | SI                                   | Contractor   | ZHONGHENG CONSTRUCTION GROUP INTER  |    |  |                     |  |  |
|  |         |      |                              | Location of      | Sample    | R-7,(0+030)   | R-7,(0+120)   |   | 1 |   |   |   |   |   | 4 |   |   |                                      |              | 5 CONSTRUCTI  |    | fked By<br>gineer                      | a yadav             |  |  |
|  |         |      |                              | Lab.Ref no.      |           | RUDP-B-01     | RUDP-B-02     | 1 |   |   |   |   |   |   |   |   |   |                                      |              | NGHENC  | C  | Checked By<br>Engineer                 | Dhirendra yadav     |  |  |
|  |         |      | -                            | S.N. La          |           | -             | 2 RU          | 4 | - | - |   | _ |   | _ | _ | + | - |                                      |              | OHZ   |    |  |                     |  |  |

|     |                                      |                            |           |                   | t of Field Densi              | F                  | Month                                  |                             | uary                     |
|-----|--------------------------------------|----------------------------|-----------|-------------------|-------------------------------|--------------------|--|-----------------------------|--------------------------|
|     |                                      | Location:-F                | 7 (0 20   | to D 79)          |                               | -                  | Year                                   | 20                          |                          |
| 1   |                                      | Locationr                  | -/,(R-29  | Moistu            | re content %                  | Density            | pe of Material<br>(gm/cc)              | Ba<br>Compa                 | ction %                  |
| Sn. | Lab.Ref.no                           | Testing Date               | Chainage  | OMC%              | Field MC%                     | Max.Dry<br>density | Field Dry<br>density,                  | Compaction %                | Specified<br>%           |
| 1   | RUDP-B-FD-1, L/S                     | 18-Jan-21                  | 0+040     | 5.25              | 4.18                          | gm/cc<br>2.245     | gm/cc<br>2.220                         | 98.90                       | 98                       |
| 2   | RUDP-B-FD-1, R/S                     | 18-Jan-21                  | 0+120     | 5.25              | 3.01                          | 2.245              | 2.231                                  | 99.37                       | 98                       |
| 3   | RUDP-B-FD-1, L/S                     | 18-Jan-21                  | 0+160     | 5.25              | 4.58                          | 2.245              | 2.215                                  | 98.65/                      |                          |
| N   |                                      |                            | -         |                   |                               |                    |  |                             |                          |
| -   | 1                                    |                            | -         |                   |                               |                    |  |                             |                          |
| -   | /                                    |                            |           |                   |                               |                    |  |                             |                          |
| -   | /                                    |                            |           |                   |                               |                    |  |                             |                          |
|     |                                      |                            |           |                   |                               |                    |  |                             |                          |
|     |                                      |                            |           |                   |                               |                    |  |                             |                          |
|     |                                      |                            |           |                   |                               |                    |  |                             |                          |
|     |                                      |                            | /         |                   |                               |                    |  |                             |                          |
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| _   |                                      |                            |           |                   |                               |                    |  |                             |                          |
| -   |                                      |                            | -         | -                 |                               |                    |  |                             | -                        |
| -   |                                      |                            |           |                   |                               |                    |  |                             |                          |
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|     |                                      |                            |           |                   |                               |                    |  |                             |                          |
|     |                                      |                            |           |                   |                               |                    |  |                             |                          |
|     |                                      |                            |           |                   |                               |                    |  |                             |                          |
| _   |                                      |                            |           |                   |                               |                    |  |                             |                          |
| -   |                                      |                            |           |                   |                               |                    |  |                             | -                        |
| -   |                                      |                            | -         |                   | *                             |                    |  |                             | 1                        |
|     |                                      |                            |           | -                 |                               |                    |  |                             | 1                        |
| _   |                                      |                            |           |                   |                               |                    | _                                      |                             |                          |
| _   | Contrac                              |                            |           |                   |                               | Con                | sultant                                |                             |                          |
| п   | ZHONGHENG COAST<br>NTERNATIONAL EXGI | RUCTION GRO<br>NEERING CO. | UP<br>LTD | BUILDI<br>CONSULT | NG DESIGN AU<br>TANCY PVT. L' | <b>FD AND PLU</b>  | ) LTD IN JOI<br>ENGINEER<br>NDU, NEPAL | S & ARCHITE                 | WITH B.N.<br>CTS (P) LTI |
|     |                                      |                            |           | 6                 | der                           | 6*                 | Birathagan                             | 1                           |                          |
|     | -                                    | ()                         |           | Non               | V.                            |                    |  | 0/                          |                          |
|     | - Martin                             |                            |           | - MA              |                               |                    |  | 8                           |                          |
| 6   | Checked By<br>Engineer               | Submitte<br>Contract Ma    |           |                   | ified By<br>Surveyor/CSE      |                    |  | Approved By                 | 1                        |
|     | Dhirendra yadav                      | Rabindra Kr.               |           |                   | al/Rajan Shrest               | ha                 |  | Team Leader<br>Giresh Chano | ł                        |



| January  | 2021<br>Base              | ATV CBP  | % CR % Remarks           | 21.85 81.27 84.40                     |   |   |    |   |   |   |   | < 35 >80 >80  |            |            | OINT VENTURE WITH<br>IS ENGINEERS &<br>DU, NEPAL  |               | 9   | <     | Approved By<br>Team Leader       | Giresh Chand               |
|--|---------------------------|--|--------------------------|---------------------------------------|---|---|----|---|---|---|---|---|------------|------------|---|---------------|-----|-------|----------------------------------|----------------------------|
| Month  | Y car<br>Type of Material | LAA  | PI% FI and EI %          | NP 29.60 22.09/21.68                  |   |   |    |   |   | 1 | / | <45 <35   |            | Consultant | BUTY (P) LTD IN JO<br>PVT. LTD AND PLU<br>D'ETD, KATHMAN  | * Biramayar + |     |       |                                  |                            |
| ICB/BRT-02<br>hlv Test Report  |                           |  | 2.36 0.600 0.075 MDD OMC | 22.12 15.20 3.75 2.255 5.75           | / |   |    |   | / |   |   | 21-53 12-28 2-10                                      |            |            | BUILDING DESIGN AUTHORITY (P) LED IN JOINT VENTURE WITH<br>B.N. CONSULTANCY PVT, LTD AND PLUS ENGINEERS &<br>ARCHITECTS (P) LFD, KATHMANDU, NEPAL | 2             | No. | Prof. | Expert Qty Surveyor/CSE          | H.K. Mandal/Rajan Shrestha |
| Contract No: RUDP/ICB/BRT-02<br>Summary Sheet of Monthly Test Report | Location:-R-121           | Date of Sieve Size in mm / % passing By Weight | 40 31.5 20 10 4.75       | 15-Jan-21 100 90.61 72.33 55.43 29.33 |   |   | // | 7 |   |   |   | Spec. Limit: 100 85-100 62-92 40-70 26-55 21-53 12-28 |            |            | ZHONGHENG CONSTRUCTION OF DATE INVERTIONAL ENGINEERING  |               | 0   | K     | Submitted By<br>Contract Manager | Rabindra Kr. Thakur        |
|  |                           |  | source of sample         | Chisang Khola                         |   |   |    |   |   |   |   | Spec.   | Contractor | COULIACION | ICTION GROUP IN<br>COLUTD   |               |     |       |                                  |                            |
|  | +                         | Location of                                    | -                        | RUDP-B-01 R-121,(0+050)               | / | - |    |   |   |   |   |   |            |            | NGHENG CONSTRU  | -             |     | M     | Checked By<br>Engineer           | Dhirendra Yadav            |



|     |                                      |                           |            |                   | of Field Densi               | ty rest           | Month                         |                           | uary                       |
|-----|--------------------------------------|---------------------------|------------|-------------------|------------------------------|-------------------|-------------------------------|---------------------------|----------------------------|
|     |                                      |                           |            | Lonoti            | ion:-R-121                   |                   | Year<br>Type of Material      |                           | 21                         |
| -   | -                                    |                           |            | Moistur           | e content %                  | Den               | sity(gm/cc)                   |                           | ction %                    |
| Sn. | Lab.Ref.no                           | Testing Date              | Chainage   | OMC%              | Field MC%                    | Max.D             |                               | Compaction                | Specified                  |
| 1   | -                                    | 161.01                    | 01020      |                   |                              | densit            |                               | %                         | %                          |
| 1 2 | RUDP-B-FD-1, R/S<br>RUDP-B-FD-1, C/L | 16-Jan-21<br>16-Jan-21    | 0+030      | 5.75<br>5.75      | 5.59<br>5.82                 | 2.255             |                               | 98.27<br>98.33            | 98<br>98                   |
| K   | RODI-D-ID-I, CIL                     | 10-Jan-21                 | 01005      | 5.15              | 5.02                         | 4.433             | 2.217                         | 90.33                     | 90                         |
| -   |                                      |                           |            |                   |                              |                   |                               | ~                         |                            |
|     |                                      |                           |            |                   |                              | 1                 |                               |                           |                            |
|     |                                      |                           |            |                   |                              |                   |                               |                           |                            |
| 1   | /                                    |                           |            |                   |                              |                   |                               |                           |                            |
| -   |                                      |                           | -          |                   |                              |                   | -                             |                           | -                          |
| -   |                                      |                           |            |                   |                              | -                 | -                             |                           |                            |
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| -   |                                      |                           |            |                   |                              |                   | -                             |                           |                            |
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|     |                                      |                           |            |                   |                              |                   |                               |                           | -                          |
|     |                                      |                           |            |                   |                              |                   |                               |                           |                            |
|     |                                      |                           |            |                   |                              |                   |                               |                           |                            |
|     |                                      |                           |            |                   |                              | /                 |                               |                           |                            |
|     |                                      |                           |            |                   |                              | /                 |                               |                           |                            |
|     |                                      |                           |            | -                 |                              |                   |                               |                           | -                          |
| _   |                                      |                           |            |                   |                              |                   |                               | 1.2- 2                    |                            |
| _   |                                      |                           | -          |                   |                              | -                 |                               |                           |                            |
| -   |                                      |                           |            |                   |                              |                   | -                             |                           |                            |
| -   |                                      |                           |            |                   |                              |                   |                               |                           |                            |
| -   |                                      |                           |            |                   |                              | -                 |                               |                           | /                          |
| -   |                                      |                           |            |                   |                              |                   | -                             |                           | /                          |
| -   | ~ ~                                  |                           |            |                   | -                            | -                 | Augun                         |                           |                            |
| _   | Contin                               | TERNATIO                  |            | -                 |                              | - /               | stuarity (III)                |                           |                            |
| -   |                                      | TOP                       |            |                   |                              | (iii)             | Consultant                    |                           |                            |
| 1   | ZHONGHENGCONST<br>INTERNATIONAL ENGI | WCTION GRO<br>NEERING CO. | DUP<br>LTD | BUILDE<br>CONSULT | NG DESIGN AI<br>FANCY PVT. L | UTHORIT<br>TD AND | PLUS ENGINEER<br>MANDU, NEPAI | RS & ARCHITI              | E WITH B.N.<br>ECTS (P) LT |
|     | 2                                    | 1                         |            | Sal               | and and                      |                   |                               | ×                         |                            |
|     |                                      | frag.                     |            |                   |                              |                   |                               | 0                         |                            |
|     | Checked By<br>Engineer               | Submitte<br>Contract Ma   |            |                   | fied By<br>Surveyor/CSE      |                   |                               | Approved B<br>Team Leader |                            |
| _   | Dhirendra Yadav                      | Rabindra Kr.              | Thakur     |                   | al/Rajan Shres               | stha              |                               | Giresh Chan               |                            |



|   |                                       | Page no 1 of 1               | Application Rate<br>Bt Trav Test Ltr/m2 | 1.04      | 1.05      | 1.07        | 1.05      | 1.06      | 1.05      | +     |   |  |  |  |  |  |                     |            |  | 4                         | ×                         |             | Team Leader<br>Giresh Chand                          |
|---|---------------------------------------|------------------------------|---|-----------|-----------|-------------|-----------|-----------|-----------|-------|---|--|--|--|--|--|---------------------|------------|--|---------------------------|---------------------------|-------------|--|
|   |                                       |                              | Application Rate<br>Bv Deep Ltr/m2      | 1.01      | 1.08      | 1.03        | 1.07      | 1.09      | 1.08      | /     | > |  |  |  |  |  |                     | ,          | Sille                                  | Ltd                       | 10                        |             | , F O  |
| E   |                                       |                              | Bitumen<br>Consumption (Ltr)            | 275       | 270       | 400         | 925       | 1525      | 3100      | 6495  |   |  |  |  |  |  |                     |            | A LET                                  | Build TC.                 | B                         | )           |  |
| REGIONAL URBAN DEVELOPMENT PROJECT<br>Biratnagar Metropolitan City<br>Contract No: RUDP/ICB/BRT-02<br>Daily Application Rate Check for Priming work | nuary 2021                            |                              | Total<br>Area M2                        | 272.00    | 249.40    | 387.15      | 864.00    | 1400.00   | 2880.00   | Total |   |  |  |  |  |  |                     |            |  | /                         | 7                         | and Be-     | urveyor/CSE<br>RajanShrestha                         |
| OPMEN<br>litan City<br>CB/BRT-02<br>k for Primi   | NTH OF jai                            |                              | Intersection<br>Area m2                 | 0.00      | 0.00      | 00.0        | 00.0      | 00.00     | 0.00      |       |   |  |  |  |  |  |                     | Consultant | BUILDING                               | 1                         | Z                         | How we want | Expert Oty Surveyor/CSE<br>H.K. Mandal/RajanShrestha |
| URBAN DEVELOPMEN<br>Biratnagar Metropolitan City<br>Contract No: RUDP/ICB/BRT-02<br>blication Rate Check for Prim                                   | R THE MO                              |                              | Area of<br>Priming ( m2)                | 272.00    | 249.40.   | 387.15      | 864.00    | 1400.00   | 2880.00   |       |   |  |  |  |  |  |                     |            | UT 1 DO                                |                           | 6                         |             | tanager<br>Thakur                                    |
| IONAL URBAN DEVELOPMENT PROJ<br>Biratnagar Metropolitan City<br>Contract No: RUDP/ICB/BRT-02<br>Daily Application Rate Check for Priming work       | SUMMARY FOR THE MONTH OF january 2021 |                              | Side of<br>Priming                      | Both side | Both side | Both side   | Both Side | Both Side | Both Side |       |   |  |  |  |  |  |                     |            | AND INTERNATIONAL ENCINEEDING CO. 1 TD | MUNEERING                 | /                         | - AN        | Contract Manager<br>Rabindra Kr. Thakur              |
| GIONAI<br>Daily A   | SU                                    |                              | ion to                                  | 0+085     | 0+058     | 0+087       | 0+180     | 0+200     | 0+900     |       |   |  |  |  |  |  | 1.039               |            | ALCONTAL EN                            | AND ALLEN                 | 1                         |             |  |
| RE  |                                       |                              | From                                    | 000+0     | 000+0     | 000+0       | 000+0     | 000+0     | 0+200     |       |   |  |  |  |  |  | of Bitumen 1.039    | Contractor | ID INFERMIT                            | Contraction of the second | in m. * Zioneiu           |             |  |
|   | 5                                     | AC30                         | Date of<br>Priming                      | 3-Jan-21  | 3-Jan-21  | 3-Jan-21    | 4-Jan-21  | 16-Jan-21 | 17-Jan-21 |       |   |  |  |  |  |  | Specific Gravity of | ö          | CTONOGRA                               | ISN INTERNET              | Contraction of the second | /           |  |
|   | Type of Bitumen:80/100 P.G            | Cutter Percentage:MC 70:MC30 | Location                                | R-181A    | T3l26h.   | B-2, Branch | T2L24B    | Bargachhi | Bargachhi |       |   |  |  |  |  |  |                     |            | HENG CONSTRI                           |                           |                           | Charles Rv  | Engineer<br>Dhirendra Yadav                          |
|   | Type of B                             | Cutter Pe                    | NS                                      | 4         | 2         | 3           | 4         | 5         | 9         |       |   |  |  |  |  |  | ) Lit/M2 ± 5%       |            | ONOHZ                                  | MOUZ                      |                           | No          | Dhir   |

|                              |  | Do Lo 4                               | I YON R. J          | Flow mm                            | 2.0                          | 2.48                    | 2.22                       | 2.38                       | 2.15                        | 2.38                    | 2.48                    | 2 58                    |   |    |   |    |  |                | 2-3  | B        |             | D AND PLUS  |                 |   |               |
|------------------------------|--|---------------------------------------|---------------------|------------------------------------|------------------------------|-------------------------|----------------------------|----------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|---|----|---|----|--|----------------|--|----------|-------------|---|-----------------|---|---------------|
|                              |  |                                       |                     | Stability N                        | 9451                         | 9557                    | 8747                       | 8459                       | 8341                        | 8992                    | 8725                    | 9013                    |   |    |   |    |  | -              | For (25-54)mm Thickness W/C Courses                    |          |             | BUILDING DESIGN AUTHORITY (P) LTD IN JOINT VERTORE WITH B.N. CONSULTANCY PVTI. LTD AND PLUS | AK              | Approved By<br>Team Leader                | resh Chand    |
|                              |  |                                       |                     | % VWA                              | 16.78                        | 16.63                   | 16.91                      | 17.71                      | 16.91                       | 16.90                   | 16.86                   | 16.88                   |   |    |   |    |  |                | mm Thickn  |          |             | CONSULT.  |                 | :4F                                       | Ø             |
|                              |  |                                       |                     | Air Voids %                        | 3.76                         | 3.57                    | 3.91                       | 4.20                       | 3.98                        | 3.93                    | 3.82                    | 3.89                    |   |    |   |    |  | - au           | For (25.51)  |          | K           | WITH B.N.   | d.IBN/          | 135 50                                    |               |
|                              |  |                                       |                     | Mix Density<br>gm/cc               | 2.367                        | 2.378                   | 2.370                      | 2.365                      | 2.367                       | 2.368                   | 2.460                   | 2.369                   |   |    |   |    |  | an and         | -  |          | onsultant   | VENTURE<br>TS (P) LTC   | ant             | alungar *                                 |               |
|                              | 18/2   | 1                                     | Ritumen             | Contrast From A<br>Extraction Test | 5.72                         | 5.71                    | 5.70                       | 5.70                       | 5.68                        | 5.70                    | 5.73                    | 5.70                    | - |    |   |    |  | 6 703          |  |          | 0           | ARCHITEC  | Building        | 2   |               |
|                              | -02<br>(AASHTO T 245-78)                                   | -                                     |                     | 0.075                              | 7.20                         | 7.31                    | 8.59                       | 6.15                       | 6:39                        | 6.58                    | 6.44                    | 6.15                    |   |    |   |    |  | 0 4 4          | -  |          |             | ITY (P) LTI   |                 |   |               |
| Ň                            | 12<br>AASHT  | RY 202                                |                     | 0.6                                | 17.48                        | 17.71                   | 19.41                      | 17.18                      | 17.20                       | 17.61                   | 17.58                   | 17.39                   |   |    |   |    |  | 16.24          | 41%  |          |             | AUTHOR  |                 |   | stha          |
| Biratnagar Mctropolitan City |  | JANUA                                 | Mix Agg Gradation . | 2.36                               | 34.98                        | 35.52                   | 37.65                      | 35.21                      | 35.01                       | 35.00                   | 34.77                   | 34.78                   |   |    |   |    |  | 76-66          | +2%  |          |             | IG DESIGN   | 5               | Verified By<br>Expert Oty Surveyor/CSE    | anjo rigeriji |
| Metrop                       | L MET  | H OF                                  | Mix Agg Gradation   | 4.75                               | 55.98                        | 56.73                   | 57.69                      | 54.72                      | 54.73                       | 55.15                   | 55.13                   | 55.57                   |   |    |   |    |  | 54-59          | ±3%  |          |             | BUILDIN   | ang             | Verified By<br>Expert Oty                 | T.N. Wellhout |
| atnagar                      | SHALI  | MONT                                  | Mix Nix             | 5.6                                | 78.47                        | 79.00                   | 79.22                      | 77.62                      | 77.42                       | 77.31                   | 77.19                   | 77.31                   |   |    |   |    |  | 76-82          | 15%  |          |             |   |                 |   |               |
| Bii                          | Y MAF  | R THE                                 |                     | 16                                 | 100                          | 100                     | 100                        | 100                        | 100                         | 100                     | 100                     | 100                     |   |    |   |    |  | 100-100        | IIIN   |          |             | D.LTD   | 1 al            | Submitted By<br>Contract Manager          | Diricharter.  |
|                              | Contract No: RUDP/ICB/BR<br>Test Result BY MARSHALL METHOD | ARY FO                                | -                   | 20                                 | 100                          | 100                     | 100                        | 100                        | 100                         | 100                     | 100                     | 100                     |   |    |   |    |  | 100            | ±5%  |          |             | ERING C   |                 | :00 à                                     |               |
|                              | Test R   | SUMMARY FOR THE MONTH OF JANUARY 2021 |                     | Location of Work ch:               | Ghoghapaini,(0+000 to 0+129) | R-111A,(0+000 to 0+059) | Bargachhi,(0+000 to 0+200) | Bargachhi,(0+200 to 0+600) | B-2,Branch,(0+000 to 0+087) | T3L24B,(0+000 to 0+180) | T3L26H,(0+000 to 0+058) | R-181A,(0+000 to 0+085) |   |    |   |    |  | Specifacations | Job Mix Tolerances from RUDP Specification Table2-4-10 |          | Contracture | ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD                              | COLUN * BHOMBIE |   |               |
|                              |  |                                       |                     | Date of Laying                     | 1/1/2021                     | 1/1/2021                | 21/1/2021                  | 22/1/2021                  | 23/1/2021                   | 24/1/2021               | 25/1/2021               | 26/1/2021               |   |    |   |    |  | S              | Job Mix Tolerances fr                                  |          |             | HONGHENG CONS   |                 |   |               |
|                              |  |                                       | _                   | No. No.                            | 1 284                        | 2 285                   | 3 286                      | 4 287                      | 5 288                       | 6 289                   | 7 290                   | 8 291                   | 6 | 10 | H | 12 |  |                |  | REMARKS: |             | 2   | M               | Checked By<br>Engineer<br>Dhirendra yadav |               |



| REGIONAL I<br>Bir<br>Cont<br>Daily Applica   | Type of Bitumen:80/100 P.G SUMMARY FC  | Date of Station<br>Tack coat From to | -0 000+0            | 1-Jan-21 0+000 0+059 | 21-Jan-21 0+000 0+200 | 22-Jan-21 0+200 0+600 | · 23-Jan-21 0+000 0+087 | 24-Jan-21 0+000 0+180 | 25-Jan-21 0+000 0+058 | 26-Jan-21 0+000 0+085 |       |  |  | Required tack coat is 0.40 to 0.60Lit/M2 | Specifi                           |          | Confractor | ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL ENGINEERING CO. LTD  | oone without  |  |
|--|--|--------------------------------------|---------------------|----------------------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|-------|--|--|--|-----------------------------------|----------|------------|---|---------------|--|
| REGIONAL URBAN DEVELOPMENT PROJECT<br>Biratnagar Metropolitan City<br>Contract No: RUDP/ICB/BRT-02<br>Daily Application Rate Check for TACK COAT | SUMMARY FOR THE MONTH OF NOVEMBER-2020 | Side of Area of Tack coat            | +                   | BHS 253.7            | BHS 1400              | BHS 2880              | BHS 378.45              | BHS 864               | BHS 249.4             | BHS 272               |       |  |  |  | Specific Gravity of Bitumen 1.039 |          |            | INEERING CO. LTD  | 10            | Submitted By<br>Contract Manager<br>Rabindra Kr. Thakur              |
| PMENT PROJ<br>ttan City<br>B/BRT-02<br>for TACK C  | NOVEMBER-20                            | f Intersection                       | -                   | 0                    | 0                     | 0                     | 0                       | 0                     | 0                     | 0                     |       |  |  | According to Road Note -3, Section 711.2 | men 1.039                         |          |            | BUILDING<br>B.N. CC   | 200           | Verified By<br>Expert Qty Surveyor/CSE<br>H.K. Mandal/Rajan Shrestha |
| ECT<br>DAT   | 020                                    | Total .                              | 1                   | 253.7                | 1400.00               | 2880.00               | 378.45                  | 864.00                | 249.40                | 272.00                | Total |  |  | d Note -3,                               |                                   | 1        | 1000       | DESIGN AUTHORITY (P) LTD IN JOINT VENT<br>ONSULTANCY PVT: LTD AND PLUS ENGINE<br>ARCHITECTS (P) LTD, KATHMANDU, NEPAL                           | 1             | /eyor/CSE<br>ajan Shrestha   |
|  |  | -                                    | 500                 | 150                  | 785                   | 1675                  | 210                     | 500                   | 125                   | 150                   | 4095  |  |  | Section                                  |                                   | withorie | Consultant | PVP. LTD, KJ  | 4 + vefieute. |  |
|  |  | Application Rate                     | 0.55                | 0.59                 | 0.56                  | 0.58                  | 0.55                    | 0.58                  | 0.50                  | 0.55                  |       |  |  | 711.2                                    |                                   |          | ant        | AND PLUS E  |               | 0  |
|  |  | -                                    | bt Iray lest Lithm2 | 0.0                  | 0.54                  | 0.57                  | 0.54                    | 0.51                  | 0.56                  | 0.51                  | /     |  |  |  |                                   |          |            | BUILDING DESIGN AUTHORITY (PLTD IN JOINT VENTURE WITH<br>B.N. CONSULTANCY PVP. LTD AND PLUS ENGINEERS &<br>ARCHITECTS (P) LTD, KATHMANDU, NEPAL | 0             | Appoved By<br>Team Leader<br>Giresh Chand                            |



<u>January, 2021</u>

|   |         |        | Time                       | Ref.no.                                  | Ambe         |   |  |   |   |   |           | Comments:- | ONGHI  | ×          | Checked By<br>Engineer           | cuuta ya     |
|---|---------|--------|----------------------------|--|--------------|---|--|---|---|---|-----------|------------|--|------------|----------------------------------|--------------|
|   |         |        |                            | r cement                                 | Ambe hi-tech | / |  |   |   |   | Sp.       |            | ENG CON  | 1          |                                  | Apr          |
|   |         |        | Totolog Date               | I ype or cement                          | 2-Jan-21     | 1 |  |   |   |   | Sp.Limit: | Contracto  | ENGINE RRING CO  |            |                                  |              |
|   |         |        |                            | Normal Cons.(%) Initial(Min) Final (min) | 29.75        |   |  |   |   |   |           | actor      | ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL<br>ENGINERATING CO. LTD   |            | Submitted By<br>Contract Manager |              |
|   |         |        | Consistancy & Setting Time | Initial(Min)                             | 80           |   |  |   |   |   | Min-30    |            | ERNATION   | 0          | mitted By<br>act Manager         |              |
| Biratnagar Metropolitan City<br>Contract No:- RUDP/ICB/BRT-02<br>SUMMARY SHEET OF CEMENT TEST |         |        |                            | Final (min)                              | 210          |   |  |   |   |   | Max-600   |            | (AL  |            |                                  |              |
| ar Metro<br>Vo:- RUD  |         |        | Soundness                  | (mm)                                     | 2.07         |   |  | I |   |   | <10       |            | BUI  | ×.         | Exper                            |              |
| iratnagar Metropolitan Ci<br>ontract No:- RUDP/ICB/BRT-<br>summary sheet of cement test       |         |        | Fineness(                  | (%                                       | 2.28         |   |  |   | - |   | <10       |            | SULTANC  | N          | Expert Oty Surveyor/CSE          | anuaurkajan  |
| City<br>rr-02   |         |        | Date of                    | Casting                                  | 3-Jan-21     |   |  |   |   |   |           |            | ESIGN AUT<br>Y PVT. LTI  |            | or/CSE                           | onresuna     |
| Biratnagar Metropolitan City<br>Contract No:- RUDP/ICB/BRT-02<br>SUMMARY SHEET OF CEMENT TEST |         |        | Date o                     | 3 Days                                   | 6-Jan-21     |   |  |   |   |   |           | Cons       | HORITY (P)   | A Binanjar |                                  |              |
|   | Month   | · Year | Date of Testing            | 28 Days                                  | 31-Jan-21    |   |  |   |   |   |           | Consoltant | BUILDING DESIGN AUTHORITY (P) DYD IN JOINT VENTURE WITH B.N.<br>CONSULTANCY PVT. LTD AND PLUS ENGINEERS & ARCHITECTS (P) LTD,<br>KATHMANDU ARPAL | 14         |                                  |              |
|   | nth     | ar     | Strength                   | 3 days                                   | 23.86        |   |  |   |   |   | >23       |            | NT VENTU<br>S & ARCHI  |            | 1                                |              |
|   | Jan     | 2(     | Strength N/mm <sup>2</sup> | 28 Days                                  | 45.03        |   |  |   |   |   | >43       |            | RE WITH  | 9          | Approved By<br>Team Leader       | Giresn Chand |
|   | January | 2021   |                            | Remarks                                  |              |   |  |   |   | - |           |            | B.N.   |            | 1 2 - 1                          | 5            |



|  | VII             | Agg              | Remarks                                |                |               |               |                              |                    |               |                    |                     |               |   |   |   |   |   |   |               | 1   | RE WITH<br>LS &   | ab                          | d By<br>ader<br>hand   |
|--|-----------------|------------------|--|----------------|---------------|---------------|------------------------------|--------------------|---------------|--------------------|---------------------|---------------|---|---|---|---|---|---|---------------|-----|---|-----------------------------|--|
|  | January<br>2021 | 20 mm Agg        | %'T.V.%                                | 18.32          | 17.96         | 21.48         | 21.60                        | 20.53              | 18.82         | 19.79              | 17.64               | 16.97         |   |   |   | 1 |   |   | <25           | N#1 | 'VENTU<br>IGINEER<br>VEPAL  |                             | Approved By<br>Team Leader<br>Giresh Chand                           |
|  | r h             | laterial         | Fl and El %                            | 16.99/15.73    | 18.13/16.22   | 16.96/17.88   | 19.35/19.77                  | 16.86/18.48        | 14.77/17.62   | 17.19/16.82        | 16.84/17.23         | 17.67/20.32   |   |   |   |   |   |   | <25           |     | BUILDING DESIGN AUTHORITY (D) LTD IN JOINT VENTURE WITH<br>B.N. CONSULTANCY PYF, LTD AND PLUS ENGINEERS &<br>ARCHITECTS (P) LTD, KATHMANDU, NEPAL |                             |  |
|  | Month           | Type of Material | L.A.A.%                                | 27.10          | 21.00         | 27.60         | 22.46                        | 20.92              | 19.76         | 27.04              | 21.22               | 23.10         |   |   |   |   |   | / | 35            |     | HORITY (D.L.1<br>Y DVI, LTB AI<br>S (P) LTD, KAT  | A Le                        |  |
| Agg.   |                 |                  | eight -                                | 4.08           | 2.56          | 1.98          | 2.86                         | 3.74               | 3.07          | 4.15               | 2.75                | 47.7          |   |   |   |   | 1 |   | 0~5           |     | UTHOR<br>NCY DV<br>CTS (P)  | * vabaute                   |  |
| City<br>T-02<br>of 20mm  |                 |                  | Sieve Size in mm / % Passing by weight | 14.38          | 17.95         | 15.81         | 14.53                        | 18.72              | 15.35         | 16.60              | 17.43               | 14.18         | + |   |   |   |   |   | 0-25          |     | ESIGN A<br>NSULT<br>RCHITE  | -                           | syor/CSE   |
| Biratnagar Metropolitan City<br>Contract No:- RUDP/ICB/BRT-02<br>Sheet of Monthly Test Report of 20  |                 |                  | mm / % Pa                              | 53.76          | 48.72         | 44.47         | 90.09                        | 48.66              | 60.10         | 49.17              | 50.46               | 40,/0         |   |   |   | 1 |   |   | 0~20          | - I | DING D<br>B.N. CO   | R                           | Verified By<br>Expert Qty Surveyor/CSE<br>H.K. Mandal/Rajan Shrestha |
| Metrop<br>- RUDP/<br>thly Tes  |                 |                  | ve Size in 1                           | 89.70          | -             | +             | 92.56                        | +                  |               | -                  | 91.74               | CCINE         |   |   |   |   |   |   | 85~100        |     | BUIL  | - M                         | Verified By<br>Expert Qty S<br>H.K. Mandal                           |
| tnagar<br>ract No:<br>t of Mon   |                 |                  | 1                                      | 100.001        | 100.00        | 100.00        | 100.00                       | 100.00             | 100.00        | 100.00             | 100.00              | INNIN         |   |   | 1 |   |   |   | 100           |     | AAL   | -                           | By<br>nager<br>Thakur  |
| DITATING TO THE DOULT OF DOULD |                 |                  | Source of Sample                       | Chisang Khola  | Chisang Khola | Chisang Khola | Chisang Khola                | Chisang Khola      | Chisang Khola | Chisang Khola      | Chicang Khola       | CIUSING MIOIR |   |   |   |   |   |   | Spee. Limit : |     | NTERNATIO   | 1 miles                     | Subnitted By<br>Contract Manager<br>Rabindra K. Thakur               |
|  |                 |                  | Location of                            | Madhumara Yard | R-72          | R-65          | Dargaciini,(07200)<br>T31.22 | Durgachowk, (0+120 | koshi yard    | Bargachhi, (0+450) | LILI3<br>bachi vard | ning micov    |   | / |   |   |   |   |               |     | ZHONGHENG CONSTRUCTION GROUP INTERNATIONAL<br>ENGINEERING COLUTD  | A CHARTER AND THE MAIL TO A |  |
|  |                 |                  | Date of<br>Tasting                     | 2-Jan-21       | 4-Jan-21      | 7-Jan-21      | 14-Jan-21                    | 16-Jan-21          | 19-Jan-21     | 21-Jan-21          | 12-Jan-21           | 17-1100-07    |   |   |   |   |   |   |               |     | CONSTRUCT   |                             |  |
|  |                 |                  | Lab.Ref no.                            | RUDP-CA-688    | RUDP-CA-689   | RUDP-CA-690   | RUDP-CA-692                  | RUDP-CA-693        | RUDP-CA-694   | RUDP-CA-695        | RUDF-CA-090         |               |   |   |   |   |   |   |               |     | CHONGHENG   | A                           | Cherked By<br>Engineer<br>Dhirendra Yadav                            |
|  |                 |                  | S.n.                                   | -              |               | 5             | -                            | 9                  | -             | 20 00              | -                   | + /           |   |   |   |   |   |   |               |     | 2   |                             | Dhin A   |



|      |                |              |                           | Biratnagar M<br>Contract No:- R<br>mmary Sheet Of | UDP/ICB/I             | BRT-02                                |  |           |
|------|----------------|--------------|---------------------------|---|-----------------------|---------------------------------------|--|-----------|
|      |                |              |                           | Succe of  | and the second second | A Report                              | Month                                    | Januar    |
|      |                |              |                           |   |                       |                                       | Year                                     | 2021      |
| -    | -              |              | 1                         |   | 1                     |                                       | Type of Material                         | Brick     |
| S.N. | Lab<br>Ref.No. | Testing Date | Location of Sample        | Source of Brick                                   | Name of<br>Brick      | Water Absorption of<br>Brick(%)       | Strength of<br>Brick(N/mm <sup>2</sup> ) | Remark    |
| 1    | 1351           | 1-Jan-21     | R-65                      | Dadarbairya                                       | Aanand                | 13.30                                 | 13.90                                    |           |
| 2    | 1352           | 5-Jan-21     | R-72                      | Dadarbairya                                       | ACC                   | 15.66                                 | 15.00                                    |           |
| 3    | 1353           | 8-Jan-21     | R-65                      | Dadarbairya                                       | Aanand                | 14.88                                 | 15.45                                    |           |
| 4    | 1354           | 11-Jan-21    | R-72                      | Dadarbairya                                       | Aanand                | 15.73                                 | 14.83                                    |           |
| 5    | 1355           | 15-Jan-21    | R-65                      | Dadarbairya                                       | ACC                   | 13.91                                 | 15.57                                    |           |
| 6    | 1356           | 17-Jan-21    | R-72                      | Dadarbairya                                       | ACC                   | 15.13                                 | 16.00                                    |           |
| 7    | 1357           | 20-Jan-21    | R-65                      | Dadarbairya                                       | ACC                   | 16.93                                 | 15.47                                    |           |
| 8    | 1358           | 23-Jan-21    | R-72                      | Dadarbairya                                       | ACC                   | 14.12                                 | 13.70                                    |           |
| R    |                |              |                           |   |                       |                                       |  | -         |
| -    |                |              |                           |   |                       |                                       |  |           |
|      |                |              |                           |   |                       |                                       |  |           |
|      |                |              |                           |   |                       | -                                     |  |           |
|      |                | /            |                           |   |                       |                                       |  |           |
|      |                | /            |                           |   |                       |                                       | -  |           |
|      |                |              |                           |   |                       |                                       |  |           |
| -    |                |              |                           |   |                       |                                       |  |           |
| -    |                |              |                           |   |                       |                                       |  |           |
|      |                |              |                           |   |                       |                                       |  |           |
| -    |                |              |                           |   |                       |                                       |  |           |
| -    |                |              |                           |   |                       |                                       |  |           |
|      |                |              |                           | /   | -                     |                                       |  |           |
| -    |                |              |                           |   |                       |                                       |  |           |
| -    |                |              |                           |   |                       |                                       |  |           |
| -    |                |              |                           |   |                       |                                       |  |           |
| -    | -              | -            |                           |   |                       |                                       |  |           |
|      | -              |              |                           |   |                       |                                       |  |           |
|      |                |              |                           |   |                       |                                       |  | _         |
| -    |                |              |                           |   |                       |                                       |  |           |
| -    |                |              |                           |   |                       |                                       |  |           |
|      | -              |              |                           |   |                       |                                       |  | -         |
| _    |                |              |                           |   |                       |                                       |  |           |
|      |                |              |                           |   |                       |                                       | Y  |           |
|      |                |              |                           |   |                       |                                       |  | /         |
|      |                |              |                           |   |                       |                                       |  | /         |
|      |                |              | Sp. Limit                 |   |                       | <20%                                  | >8 to 10 N/mm <sup>2</sup>               |           |
| omn  | nents:-        |              | outractor and             |   |                       | Consu                                 | illine .                                 |           |
|      |                | 1/8          |                           | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1          | RUIL DING             | DESIGN AUTHORIT                       |  | VENIER    |
| ZH   | IONGHE         | NG CONSTRU   | CTION GROUP INTE          | RNATIONAL   | WITH B.N. (           | CONSULTANCY PVT.                      | LTD AND PLUS EN                          | GINEERS . |
|      | ked By         |              | 2<br>Subsette             |   |                       | * Bromagi                             | Approved I                               | By        |
|      | ra Yadav       |              | Contract M<br>Rabindra Kr |   |                       | ty Surveyor/CSE<br>dal/Raian Shrestha | Team Lead                                |           |
| mend |                |              | Rabinura Kr               | , i nakui   | H.K.Man               | dal/Rajan Shrestha                    | Giresh Char                              | nd        |



|       |                        |             | REGIO                       |                    | JRBAN DE<br>Biratnagar M<br>Contract No:- I<br>nary Sheet of Co | etropolit:<br>RUDP/ICB/ | an City<br>BRT-02         |               | СТ        |                      |                   |
|-------|------------------------|-------------|-----------------------------|--------------------|---|-------------------------|---------------------------|---------------|-----------|----------------------|-------------------|
| 2     |                        |             |                             |                    |   |                         |                           |               | P         | age No 1 of          | 1                 |
| 4     |                        |             |                             |                    |   |                         | -                         | Month         |           | Jan                  | uary              |
|       |                        |             |                             |                    |   |                         |                           | Year          |           | 20                   | 021               |
|       |                        | 1           | 1                           | D 1                |   | 1                       |                           | ype of Materi | al        | Conc.                | . Cube            |
| S.N   | Location               | Lab Ref.no. | Type of Cement              | Brand of<br>Cement | Source of<br>Sand+Agg   | Date of                 |                           | Testing       | Strength  | N/mm2                | Concre            |
| 1     | Koshi Yard             | RUDP-3769   | Ambe Hi-Tech                | OPC                |   | Casting                 | 7 Days                    | 28 Days       | 7 Days    | 28 Days              | Grade             |
| 2     | N-15                   | RUDP-3770   |                             | OPC                | Chisang Khola   | 4-Dec-20                | 11-Dec-20                 | 1-Jan-21      |           | 21.89                | M20               |
| 3     | R-109                  | RUDP-3771   | Ambe Hi-Tech                | OPC.               | Chisang Khola   | 4-Dec-20                | 11-Dec-20                 | 1-Jan-21      |           | 23.23                | M20               |
| 4     | Madhumara Yard         | RUDP-3772   | Ambe Hi-Tech                |                    | Chisang Khola   | 5-Dec-20                | 12-Dec-20                 | 2-Jan-21      |           | 22.28                | M20               |
| 5     | Koshi Yard             | RUDP-3773   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 6-Dec-20                | 13-Dec-20                 | 3-Jan-21      |           | 32.81                | M30               |
| 6     | N-15,Branch            | RUDP-3774   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 7-Dec-20                | 14-Dec-20                 | 4-Jan-21      |           | 21.89                | M20               |
| 7     | R-6                    | RUDP-3775   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 7-Dec-20                | 14-Dec-20                 | 4-Jan-21      |           | 22.68                | M20               |
| 8     | Ghoghapauni            | RUDP-3776   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 8-Dec-20                | 15-Dec-20                 | 5-Jan-21      |           | 21.57                | M20               |
| 9     | R-10                   |             |                             | OPC                | Chisang Khola   | 9-Dec-20                | 16-Dec-20                 | 6-Jan-21      |           | 23.23                | M20               |
| 10    |                        | RUDP-3777   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 9-Dec-20                | 16-Dec-20                 | 6-Jan-21      |           | 22,52                | M20               |
| -     | R-121                  | RUDP-3778   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 10-Dec-20               | 17-Dec-20                 | 7-Jan-21      |           | 23,05                | M20               |
| 11    | N-15,Branch            | RUDP-3779   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 10-Dec-20               | 17-Dec-20                 | 7-Jan-21      |           | 23.07                | M20               |
| 12    | Koshi Yard             | RUDP-3780   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 11-Dec-20               | 18-Dec-20                 | 8-Jan-21      |           | 21.97                | M20               |
| 13    | Koshi Yard             | RUDP-3781   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 13-Dec-20               | 20-Dec-20                 | 10-Jan-21     |           | 21.81                | M20               |
| 14    | R-4                    | RUDP-3782   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 13-Dec-20               | 20-Dec-20                 | 10-Jan-21     | 1         | 22.52                | M20               |
| 15    | R-12                   | RUDP-3783   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 14-Dec-20               | 21-Dec-20                 | 11-Jan-21     |           | 21.42                | M20               |
| 16    | R-109                  | RUDP-3784   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 14-Dec-20               | 21+Dec-20                 | 11-Jan-21     |           | 22.36                | M20               |
| 17    | R-109                  | RUDP-3785   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 15-Dec-20               | 22-Dec-20                 | 12-Jan-21     |           | 23.39                | M20               |
| 18    | N-15                   | RUDP-3786   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 15-Dec-20               | 22-Dec-20                 | 12-Jan-21     |           | 22.73                | M20               |
| 19    | Madhumara Yard         | RUDP-3787   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 15-Dec-20               | 22-Dec-20                 | 12-Jan-21     |           | 33.23                |                   |
| 20    | Ghoghapaini            | RUDP-3788   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 16-Dec-20               | 23-Dec-20                 | 13-Jan-21     |           | 22.20                | M30               |
| 21    | R-6                    | RUDP-3789   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 16-Dec-20               | 23-Dec-20                 | 13-Jan-21     |           |                      | M20               |
| 22    | R-72                   | RUDP-3790   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 16-Dec-20               | 23-Dec-20                 | 13-Jan-21     |           | 22.91                | M20               |
| 23    | R-10                   | RUDP-3791   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 18-Dec-20               | 25-Dec-20                 | 15-Jan-21     |           | 22.99                | M20               |
| 24    | R-109                  | RUDP-3792   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 19-Dec-20               | 26-Dec-20                 | 16-Jan-21     |           | 21.34                | M20               |
| 25    | R-72                   | RUDP-3793   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 19-Dec-20               | 26-Dec-20                 |               |           | 22.83                | M20               |
| 26    | R-12                   | RUDP-3794   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 20-Dec-20               | 20-Dec-20<br>27-Dec-20    | 16-Jan-21     |           | 23,73                | M20               |
| 27    | R-4                    | RUDP-3795   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 21-Dec-20               | 1 1 1 1 1 1 1 1 1 1 1 1 1 | 17-Jan-21     |           | 21.97                | M20               |
| 28    | Koshi Yard             | RUDP-3796   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 21-Dec-20               | 28-Dec-20                 | 18-Jan-21     |           | 22.68                | M20               |
| 29    | Ghoghapaini            | RUDP-3797   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 21-Dec-20<br>22-Dec-20  | 28-Dec-20                 | 18-Jan-21     |           | 22.36                | M20               |
| 30    | R-10                   | RUDP-3798   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 22-Dec-20<br>23-Dec-20  | 29-Dec-20                 | 19-Jan-21     |           | 23.39                | M20               |
| 31    | Koshi Yard             | RUDP-3799   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 23-Dec-20<br>23-Dec-20  | 30-Dec-20                 | 20-Jan-21     |           | 21.42                | M20               |
| 32    | R-72                   | RUDP-3800   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 25-Dec-20               | 30-Dec-20                 | 20-Jan-21     |           | 22.20                | M20               |
| 33    | Koshi Yard             | RUDP-3801   | Ambe Hi-Tech                | OPC                | Chisang Khola   | CORD COMPLEXANT         | 1-Jan-21                  | 22-Jan-21     | 16.44     | 21.73                | M20               |
| 34    | R-65                   | RUDP-3802   | Ambe Hi-Tech                | OPC                |   | 26-Dec-20               | 2-Jan-21                  | 23-Jan-21     | 15.19     | 22.81                | M20               |
| 15    | Madhumara Yard         | RUDP-3803   | Ambe Hi-Tech                |                    | Chisang Khola   | 29-Dec-20               | 5-Jan-21                  | 26-Jan-21     | 16.44     | 22.76                | M20               |
| 16    | Bargachhi,(0+030)      | RUDP-3804   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 1-Jan-21                | 8-Jan-21                  | 29-Jan-21     | 21,89     | 32.16                | M30               |
| 37    | R-65                   | RUDP-3804   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 3-Jan-21                | 10-Jan-21                 | 31-Jan-21     | 14.95     | 21.89                | M20               |
| 18    | Bargachhi,(0+320)      | RUDP-3805   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 10-Jan-21               | 17-Jan-21                 | 7-Feb-21      | 15.35     | 1                    | M20               |
| 19    | T3L22                  |             | Ambe Hi-Tech                | OPC                | Chisang Khola   | 12-Jan-21               | 19-Jan-21                 | 9-Feb-21      | 14.95     |                      | M20               |
| -     |                        | RUDP-3807   |                             | OPC                | Chisang Khola   | 15-Jan-21               | 22-Jan-21                 | 12-Feb-21     | 16.44     |                      | M20               |
| 1 04  | Durgachowk,(0+050)     | RUDP-3808   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 15-Jan-21               | 22-Jan-21                 | 12-Feb-21     | 15.42     |                      | M20               |
| 1     | R-72                   | RUDP-3809   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 18-Jan-21               | 25-Jan-21                 | 15-Feb-21     | 17.38     | -                    |                   |
| 2     | TIL13                  | RUDP-3810   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 20-Jan-21               | 27-Jan-21                 |               |           |                      | M20               |
| 3     | TIL13                  | RUDP-3811   | Ambe Hi-Tech                | OPC                | Chisang Khola   | 21-Jan-21               |                           | 17-Feb-21     | 15.97     |                      | M20               |
| 4     |                        |             |                             |                    |   | as survit               | 28-Jan-21                 | 18-Feb-21     | 15.03     |                      | M20               |
| 5     |                        | 1           |                             |                    |   |                         |                           |               | -         |                      | -                 |
| 6     |                        |             |                             |                    |   |                         |                           | 14            |           |                      |                   |
|       | /                      | Contracto   | K                           |                    |   |                         | Autho                     |               |           |                      |                   |
| Z     | CHONGHENG<br>TERNATION | CONSTR      | UCTION GR                   | OUP<br>0. LTD      | BUILDING DI<br>CONSULTAI  | NCY PVT.                | THORITY (P                | US ENGIN      | EERS & AF | URE WIT              | ТН В.N.<br>ГЅ (Р) |
|       |                        |             | /                           | -                  | CV0   | V                       | - united                  | gat t         |           |                      |                   |
| lieck | ked By                 |             | Submitte                    | d By               | Verified By   |                         |                           |               | X         | /                    |                   |
| iren  | eer<br>dra Yadav       |             | Contract Ma<br>Rabindra K.T | anager             | Expert Qty Surve<br>H.K. Mandal/Rajar                           |                         |                           |               | Tear      | n Leader<br>sh Chand |                   |



|            |                      | REG        | H              | Biratna;<br>Contract | N DEVEL<br>gar Metropo<br>No:- RUDP/IC<br>theet of Mortar | litan City<br>CB/BRT-02 |   | DJECT                  |          |              |              |
|------------|----------------------|------------|----------------|----------------------|---|-------------------------|---|------------------------|----------|--------------|--------------|
|            |                      |            |                |                      |   |                         |   | Page no                | 0.1 of 1 |              |              |
|            |                      |            |                |                      |   |                         |   | Month                  |          | Jar          | nuary        |
|            |                      |            |                |                      |   |                         |   | Year                   |          | -            | 021          |
| -          | 1                    | 1          | -              | -                    | 1000  |                         | Descr                                   | iption of Sam          | ple      | Bric         | k Wal        |
| -          |                      | Lab        |                | Brand of             |   | -                       | Date o                                  | of Testing             | Strength | , N/mm2      |              |
| S.N.       | Location             | Ref.no.    | Type of Cement | Cement               | Source of Sand  | Date of<br>Casting      | 7 Days                                  | 28 Days                | 7 Days   | 28           | Type<br>Grad |
| 1          | T1L14C               | MR-2990    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 4-Dec-20                | 11-Dec-20                               | 1-Jan-21               | -        | Days 8.90    | 7.5          |
| 2          | N-15                 | MR-2991    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 5-Dec-20                | 12-Dec-20                               | 2-Jan-21               | -        | 9.04         | 7.5          |
| 3          | R-29,Branch          | MR-2992    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 6-Dec-20                | 13-Dec-20                               | 3-Jan-21               | -        | 9.57         | 7.5          |
| 4          | R-71                 | MR-2993    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 8-Dec-20                | 15-Dec-20                               | 5-Jan-21               | -        | 9.71         | 7.5          |
| 5          | R-72                 | MR-2994    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 9-Dec-20                | 16-Dec-20                               | 6-Jan-21               |          | 8.77         |              |
| 6          | R-109                | MR-2995    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 9-Dec-20                | 16-Dec-20                               | 6-Jan-21               |          | 9.04         | 7.5          |
| 7          | R-10                 | MR-2996    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 10-Dec-20               | 17-Dec-20                               | 7-Jan-21               | -        | 9.04         | 7.5          |
| 8          | R-72                 | MR-2997    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 10-Dec-20               | 17-Dec-20                               | 7-Jan-21<br>7-Jan-21   |          | 8.63         | 7.5          |
| 9          | TIL14C               | MR-2998    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 12-Dec-20               | 19-Dec-20                               | 9-Jan-21               |          | 8.23         |              |
| 10         | R-112                | MR-2999    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 13-Dec-20               | 20-Dec-20                               | 10-Jan-21              | -        |              | 7.5          |
| 11         | R-29,Branch          | MR-3000    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 15-Dec-20               | 20-Dec-20<br>22-Dec-20                  | 10-Jan-21<br>12-Jan-21 |          | 9.44<br>9.17 | 7.5          |
| 12         | N-15                 | MR-3001    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 16-Dec-20               | 23-Dec-20                               | 13-Jan-21              | -        |              | 7.5          |
| 13         | R-112                | MR-3002    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 16-Dec-20               | 23-Dec-20                               | 13-Jan-21              |          | 8.50         | 7.5          |
| 14         | R-72                 | MR-3003    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 17-Dec-20               | 24-Dec-20                               | 14-Jan-21              |          | 8.90         | 7.5          |
| 15         | TIL14C               | MR-3004    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 17-Dec-20               | 24-Dec-20                               | 14-Jan-21              |          | 9.44         | 7.5          |
| 16         | R-10                 | MR-3005    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 19-Dec-20               | 26-Dec-20                               | 16-Jan-21              |          | 9.30         | 7.5          |
| 17         | R-109                | MR-3006    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 20-Dec-20               | 27-Dec-20                               | 17-Jan-21              |          | 8.50         | 7.5          |
| 18         | R-29,Branch          | MR-3007    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 21-Dec-20               | 28-Dec-20                               | 18-Jan-21              |          | 9.04         | 7.5          |
| 19         | N-15                 | MR-3008    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 22-Dec-20               | 29-Dec-20                               | 19-Jan-21              |          | 9.57         | 7.5          |
| 20         | R-72                 | MR-3009    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 23-Dec-20               | 30-Dec-20                               | 20-Jan-21              |          | 9.84         | 7.5          |
| 21         | R-112                | MR-3010    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 24-Dec-20               | 31-Dec-20                               | 21-Jan-21              |          | 9.30         | 7.5          |
| 22         | R-65                 | MR-3011    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 27-Dec-20               | 3-Jan-21                                | 24-Jan-21              | 6.07     | 8.36         | 7.5          |
| 23         | R-72                 | MR-3012    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 1-Jan-21                | 8-Jan-21                                | 29-Jan-21              | 6.88     | 8.77         | 7.5          |
| 24         | R-65                 | MR-3013    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 3-Jan-21                | 10-Jan-21                               | 31-Jan-21              | 6.61     | 9.44         | 7.5          |
| 25         | R-72                 | MR-3014    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 7-Jan-21                | 14-Jan-21                               | 4-Feb-21               | 5.80     | 1            | 7.5          |
| 26         | R-65                 | MR-3015    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 9-Jan-21                | 16-Jan-21                               | 6-Feb-21               | 6.47     |              | 7.5          |
| 27         | R-72                 | MR-3016    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 14-Jan-21               | 21-Jan-21                               | 11-Feb-21              | 7.01     |              | 7.5          |
| 28         | R-65                 | MR-3017    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 16-Jan-21               | 23-Jan-21                               | 13-Feb-21              | 6.61     |              | 7.5          |
| 29<br>30   | R-72<br>R-65         | MR-3018    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 19-Jan-21               | 26-Jan-21                               | 16-Feb-21              | 5.80     |              | 7.5          |
| 31         | N-05                 | MR-3019    | Ambe Hi-Tech   | OPC                  | Chisang Khola   | 23-Jan-21               | 30-Jan-21                               | 20-Feb-21              | 6.74/    |              | 7.5          |
| 32         |                      |            |                |                      |   |                         |   | -                      | 1        |              | 7.5          |
| 33         |                      |            |                |                      |   |                         |   |                        |          |              | 7.5          |
| 34         |                      |            | 2              |                      |   |                         |   |                        |          |              | 7.5          |
| -          |                      |            |                |                      |   |                         |   |                        |          |              | 7.5          |
|            |                      | Contractor |                | -                    |   | 1                       | Authority                               |                        |          |              |              |
|            |                      | Contractor |                |                      | DITT  | 10 00 0                 | Consulta                                | nt                     |          |              |              |
| ZH<br>INTH | ONGHENG<br>CRNATIONA | ONSTRU     | CTION GROU     | UP<br>LTD            | VENTURE W   | ITH B.N. C              | NAUTHOR<br>CONSULTA<br>HITECTS<br>NEPAL | NCY PVT<br>P) LTD, K   | . LTD    | AND P        | LUS          |
| ecked      | By                   |            | Submitted      | By                   | Verified By   |                         |   |                        | al       |              |              |
| gineer     |                      |            | Contract Mar   |                      |   | in loom                 |   |                        |          | roved 1      |              |
|            | Yadav                |            | Rabindra Kr. T |                      | Expert Qty Surv   | eyor/CSE                |   |                        |          | n Lead       | 200          |
|            |                      |            | nuonitala M. T | Idikul               | H.K. Mandal/Raja  | in Shrestha             | _                                       |                        | Gires    | sh Chan      | d            |



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

**Monitoring Formats– January 2021** 



#### 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: January 2021

| Ch | ec | kli | st |
|----|----|-----|----|
|    |    |     |    |

| SN       | Activity   | Description/Present<br>Status<br>(Compliance/Partially<br>Compliance/Non<br>Compliance | Remarks/ Corrective<br>actions for Non-<br>Compliance |
|----------|--|--|---|
| 1<br>1.1 | Training<br>Health, Safety and EMP trainings and<br>awareness  | Yes  |   |
| 1.2      | Others awareness and skill trainings   | No Los Sop in America  | 10.0.40   |
| 2        | Campsite management  | Pichra, Shanti Chowk,  | minerey   |
| 2.1      | Location   | Rani   |   |
| 2.2      | First aid facilities available at camp<br>and worksites  |  |   |
| 2.3      | Drinking water supply and sanitation facilities/ pit latrines  | Yes  |   |
| 2.4      | Waste Disposal and   | Tap water/ Hand Pump<br>Yes  |   |
| 2.5      | Management facilities  | L.P.G  | -   |
|          | Type of fuel used for cooking  |  |   |
| 3        | Spoil and Construction material<br>Management  |  |   |
| 3.1      | Cut and fill balance maintained or not,<br>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  |   |
| 3.4      | Use of private land and agreement with land owners   | Yes  |   |
| 4        | Air, Noise and Water Pollution   | Water sprinkled by   |   |
| 4.1      | Dust emission and Noise pollution sites  | tanker on such sites.  |   |
| 4.2      | Water quality monitoring result and locations  | ok   |   |
| 4.3      | Block age of natural drainages ,water<br>logging, drain water discharge into<br>farmland/risky areas | Not Applicable   |   |
| 5        | Quarrying of construction materials<br>and Plants Installment  | Autho  | and the second  |
| 5.1      | Quarry/borrow operation sites  | Not Applicable   | NIPLUS .  |
| 1681     | Que  | 02/000   | ar *  |



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| 5.2             | Crusher plant and Asphalt plant operation restoration   | Asphalt Plant                           |   |
|-----------------|---|---|---|
| 6<br>6.1<br>6.2 | Impact/Disruption of Private<br>properties<br>Building structures<br>Other utilities          | Not Applicable<br>Not Applicable        |   |
| 7<br>7.1        | Sites for cultural and religious values<br>Cultural and religious sensitive spots (if<br>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                          |   |
| 10.1            | Employment to local people<br>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                                     | - |
|                 | X 2 2 2   | RUDTP<br>* Bits nager + 10<br>Very Very |   |
| •               | ALL AND   |   |   |



|  | anuary,2021              |           | BRAHMIN/CHHE<br>TBI | NI    |           |            |       |       |           |            |       |    |       |           |        |       |   |       |           |        |       |       |                |                |       |   |       |            |        |       |         |      |
|--|--------------------------|-----------|---------------------|-------|-----------|------------|-------|-------|-----------|------------|-------|----|-------|-----------|--------|-------|---|-------|-----------|--------|-------|-------|----------------|----------------|-------|---|-------|------------|--------|-------|---------|------|
| •  | Month/Year: January,2021 | ILOSITION | MADHESI             | 4     |           |            |       |       | e         |            |       |    |       | 2         |        |       |   | 2     | 1         |        |       |       | 2              |                |       |   | a     | 2          |        |       |         |      |
|  | FTHNIC COMPOSITION       |           | MUSUM               |       |           |            |       |       |           |            |       |    |       | 4         |        |       |   | 4     |           |        |       |       | ٥              |                |       |   |       |            |        |       |         |      |
|  |                          |           | DALIT               | 4     |           |            |       |       | 0         |            |       |    |       | 7         |        |       |   | 2     |           |        |       |       | 4              |                |       |   | 12    |            |        |       |         |      |
|  |                          |           | JANJATI             | 2     |           |            |       | 0     | 0         |            |       |    |       |           |        |       |   |       |           |        |       |       |                |                |       |   | 3     |            |        |       |         |      |
| roject (RUDP)<br>nit (PIU)   | COMPOSITION              |           | FEMALE              |       |           |            |       |       |           |            |       |    |       |           |        |       |   |       |           |        |       |       |                |                |       |   | 22    | 11-0       | Lu     | ЛВЛ   | 1 March | AA   |
| n Development P<br>mplementation U<br>Biratnagar,Nepal<br>LABOUR DATA  | COMPO                    |           | MALE                | 10    |           |            |       | 17    | 74        |            |       |    | a     | 2         |        |       |   | 00    |           |        |       | 12    | 24             |                |       |   | 2     | Town up is | 100    | 10,11 | Xne     | John |
| Rigional Urban Development Project (RUDP)<br>Project Implementation Unit (PIU)<br>Biratnagar, Nepal<br>LABOUR DATA | LABOUR                   |           | UNSKILLED           | 7     |           |            |       | 00    | 2         |            |       |    | 9     |           |        |       |   | 6     |           |        |       | ~     | ,              |                |       |   | 17    |            |        |       |         | 0.   |
| Rigio  | n                        |           | SKILLED             | 3     |           |            | 10    | 4     |           |            | 17    | 77 | 2     | -         |        | 8     |   | 2     |           |        | 00    | 4     |                |                | 12    |   | 7     |            |        | 24    |         |      |
|  | TYPES OF WORKERS         |           |                     | LOCAL | NON LOCAL | INDIAN     | TOTAL | LOCAL | NON LOCAL | INDIAN     | TOTAI |    | LOCAL | NON LOCAL | INDIAN | TOTAL |   | LOCAL | NON LOCAL | INDIAN | TOTAL | LOCAL | NON LOCAL      | INDIAN         | TOTAL |   | LOCAL | NON LOCAL  | INDIAN | TOTAL |         |      |
|  | TYPES OF WORK            |           |                     |       | House     | Connection |       |       | House     | Connection |       |    | 4     | Cold and  |        |       |   |       | Sub-Base  |        |       |       |                | Base           |       |   |       | Bromming   | 9      | 121   | 111     |      |
|  | LOCATION                 |           |                     |       | R70       |            |       |       | TALAN     | 77171      |       |    |       | D1A       | 4TU    |       |   |       | R12       |        |       |       | Scholing David | vesnaliya Koad |       |   |       | R7         | lie a  | 15 00 | 15/ 21  | R    |
|  | S.NO                     |           |                     |       | 1         |            |       |       | c         | 7          | 1     |    |       | ~         | n ·    | -     | 1 | -     | 4         | -      |       |       | 2              |                | -     | - |       | 9          |        | -     | -       |      |



|   | Month/Year: January,2021 | 7        |        |       | 1     | 1         |        |       |       |            | 20         |       |      |           | 6          |       |   | 12             |               |       |          | 9         |           |              |    |              | 5          |        |
|---|--------------------------|----------|--------|-------|-------|-----------|--------|-------|-------|------------|------------|-------|------|-----------|------------|-------|---|----------------|---------------|-------|----------|-----------|-----------|--------------|----|--------------|------------|--------|
| 2   | Mon                      |          |        |       | 21    |           |        |       |       |            |            |       |      |           |            |       |   |                |               |       |          |           |           |              |    |              |            |        |
|   |                          |          |        |       |       |           |        |       |       |            | ~          |       |      |           | 2          |       |   | ٥              |               |       |          | x         |           |              |    |              | 7          |        |
|   |                          |          |        |       |       |           |        |       |       |            | 7          |       |      |           |            |       |   |                |               |       |          |           |           |              |    |              |            |        |
| Project Implementation Unit (PIU)<br>Biratnagar, Nepal<br>LABOUR DATA |                          |          |        |       |       |           |        |       |       |            |            |       |      |           |            |       | 6                                       | 7              |               |       | c        | 7         | -         | oriny they . | an | 12 data      | 131        | 64)    |
| Project Implementation Unit (PIU)<br>Biratnagar,Nepal<br>LABOUR DATA  | -                        |          |        |       | 22    |           |        |       |       | 00         | nc         |       |      |           | 16         |       | 16                                      | OT             |               |       | 17       | 77        |           | A Marine     | 13 | (a)          | 12g1       |        |
| Project Imple<br>Birat  | 4                        | +        |        |       | 16    |           |        |       |       | 11         | 77         |       |      |           | 12         |       | 10                                      | 27             |               |       | 10       | 24        |           |              |    |              | 80         |        |
|   |                          | ,        |        | 7     | 6     |           |        | 77    |       | 8          |            | 30    |      |           | 4          | 16    | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |                |               | 18    | 4        |           |           | 14           |    |              | 4          |        |
|   | LOCAL                    | NONIOCAL | INDIAN | TOTAL | LOCAL | NON LOCAL | INDIAN | IUIAL | LOCAL | NON LOCAL  | INDIAN     | TOTAL | 1001 | NONLOCAL  | INDIAN     | TOTAL | LOCAL                                   | NON LOCAL      | INDIAN        | TOTAL | LOCAL    | NON LOCAL | INDIAN    | TOTAL        |    | LOCAL        | NON LOCAL  | INDIAN |
|   |                          |          | Prime  |       |       | Ashphalt  |        |       |       | Precast    | Production |       |      | Draract   | Production |       |   |                | Kerbstone     |       |          |           | Kerbstone |              |    | OUP INTERNAL | Road Paint | GM (   |
|   |                          |          | 13L26A |       |       | T1L13     |        |       |       | Wanter and | Nosniyard  |       |      | Madhumara | Yard       |       |   | Cochalina Dand | neon by house |       | A PC ICT | ALSISSA A | South     | Innoc        |    | The second   | T3LTSM     | ISN    |
|   |                          | r        | -      |       |       | 80        |        |       |       | 0          | n          | 1     | -    | -         | 10         |       |   | 11 11          |               | -     | -        |           | -         | -            | -  |              | 13         | -      |



January, 2021

|  | ſ      | 2         |        |       |       | en<br>en |               |       | x     |             |          |       |       | 4 6 6     |       |           | 13            |       |       | 11              |              |             |            |
|--|--------|-----------|--------|-------|-------|----------|---------------|-------|-------|-------------|----------|-------|-------|-----------|-------|-----------|---------------|-------|-------|-----------------|--------------|-------------|------------|
| Project Implementation Unit (PIU)<br>Biratnagar,Nepal<br>LABOUR DATA | 16     |           |        |       |       | 9        |               |       | 12    |             |          |       |       | 16        |       |           | 13            |       | (     | 11 Automatic Co |              | [3 NUUN [5] | (1) (1)    |
| Project Implem<br>Biratn.<br>LABO                                    | 10     |           |        |       |       | m        |               |       | 80    |             |          |       |       | 12        |       |           | 10            |       |       | 6               |              |             |            |
|  | р<br>Т | CAL       | Z      | L 16  | 0     | +        | N             | 6     | . 4   | CAL         | 7        | 12    | -     | AL 4      | 16    | +         | AL 3          | 13    |       | AL 2            |              | 11          |            |
|  | LOCAL  | NON LOCAL | INDIAN | TOTAL | IUCAI | Z        |               | TOTAL | LOCAL | NON LOCAL   | INDIAN   | TOTAL | LOCAL | NON LOCAL | TOTAL | <br>LOCAL | INDIAN INDIAN | TOTAL | LOCAL | NON LOCAL       | INDIAN       | TOTAL       |            |
|  |        | Interlock |        |       |       |          | Manhole Raise |       |       | MH Benching | Cleaning |       |       | Drain     |       |           | Drain         |       |       | Slab Casting    | Supress date |             | Ko         |
|  |        | T3L22     |        |       |       |          | T1L8B         |       |       | R3          | 2        |       |       | R72       |       |           | Rani          |       |       | R6              | 1            |             | Low Bhur V |

| -   | anuary,2021                           |                                       |                                       |   |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---|
|   | Month/Year: January,2021<br>4         | ω                                     | m                                     |   |
|   | S                                     | s                                     | 7                                     |   |
| -   |                                       | m                                     | m .                                   |   |
| Project Implementation Unit (PIU)<br>Biratnagar, Nepal<br>LABOUR DATA | σ                                     | 13                                    | 8<br>5<br>5                           | , |
| Project Implem<br>Biratn  | 7                                     | 10                                    | 5 States Burning Charles              | 5 |
| 0   | 2 9                                   | 3 3                                   | m 00 .                                |   |
|   | LOCAL<br>NON LOCAL<br>INDIAN<br>TOTAL | LOCAL<br>NON LOCAL<br>INDIAN<br>TOTAL | LOCAL<br>NON LOCAL<br>INDIAN<br>TOTAL |   |
|   | Slab Casting                          | Drain                                 | Weep Hole                             |   |
|   | CAO Road                              | R65                                   | NRB Front                             |   |
|   | 20                                    | 21                                    | 22                                    |   |



<u>January, 2021</u>



| -   | T707'Å IPNII   |           |        |       |       |           |        |       |                    | BRAHMIN/<br>CHHETRI | 0     | 0         | 0      | 0     |   |
|---|----------------|-----------|--------|-------|-------|-----------|--------|-------|--------------------|---------------------|-------|-----------|--------|-------|---|
| FOR ANALY AND A   | INIDIAL PERIOD |           |        |       |       |           |        |       | IPOSITION          | MADHESI             | 71    | 71        | 0      | 142   |   |
|   |                |           |        |       |       |           |        |       | ETHNIC COMPOSITION | MUSLIM              | 35    | 9         | 0      | 41    |   |
|   |                |           |        |       |       |           | -      |       |                    | DALIT               | 65    | 33        | 0      | 98    |   |
|   |                |           |        |       |       |           |        |       |                    | ITALINAL            | 11    | 5         | 0      | 16 *  | A BUILDING AND  |
| nit (PIU)   |                |           |        |       |       |           |        |       | SITION             | FEMALE              | 26    | 0         | 0      | 26    | Contract Rupping  |
| mplementation U<br>Biratnagar,Nepal<br>LABOUR DATA                    |                |           |        |       |       |           |        |       | COMPOSITION        | MALE                | 156   | 115       | 0      | 271   | (XA)  |
| Project Implementation Unit (PIU)<br>Biratnagar, Nepal<br>LABOUR DATA |                |           |        |       |       |           |        |       | LABOUR             | UNSKILLED           | 123   | 85        | 0      | * 208 |   |
|   |                |           |        |       |       |           |        |       | LA                 | SKILLED             | 59    | 30        | 0      | 89    |   |
|   | LOCAL          | NON LOCAL | INDIAN | TOTAL | LOCAL | NON LOCAL | INDIAN | TOTAL |                    | LABOUR CLASS        | LOCAL | NON LOCAL | INDIAN | TOTAL |   |
| •   |                |           |        |       |       |           |        |       |                    |                     |       |           |        |       | A CONTRACT OF A |
|   |                | 23        | 0      |       |       | 24        |        | _     |                    |                     |       |           |        |       |   |

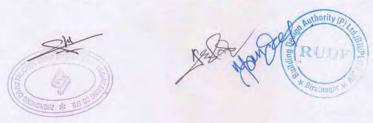


## Occupational health and safety

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: January 2021

|     | Chec   | klist  |   |
|-----|--|--|---|
| SN  | Activity   | Description/Present<br>Status<br>(Compliance/Partially<br>Compliance/Non<br>Compliance | Remarks/ Corrective<br>actions for Non-<br>Compliance |
| 1   | Occupational health and safety   |  |   |
| 1.1 | Insurance for workers  | Yes  |   |
| 1.2 | Personal Protective Equipment (PPE)<br>provided to labors and is using (helmet,<br>facemasks, muffles, gloves, boots,<br>jacket, goggles etc.) | Daily Provided   |   |
| 1.3 | Public notification Safety and<br>warning signs and informative<br>signboards in working sites for work  | Yes Provided   |   |
| 1,4 | safety   | a she and  |   |
|     | Use of barricades, caution tape and flag   | Daily Used   |   |





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

Subproject Road : -RUDP/ICB/BRT/2

Month/Year: Jan. 2021

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

Contract Package: RUDP/ICB/BRT/2

| ~ ~   |  | C    | ompliance Sta | atus   |                          |                    |          |
|-------|--|------|---------------|--|--------------------------|--------------------|----------|
| S.N   | Key Social Issuse  | Full | Partial       | None   | - Implementing<br>Agency | Note of<br>Remarks | Deadline |
| 1     | Availability of drinking water services                                      | V    |               |  |                          |                    |          |
| 2     | Availability of toilet facility<br>in campsite                               | V    |               |  |                          | -                  |          |
| 3     | Legal source of fuel wood<br>use   |      |               | V  |                          |                    |          |
| 4     | Legal document of fuel<br>wood source  |      |               | . V  |                          |                    |          |
|       | Use of safety accessories  | V    |               |  |                          |                    |          |
|       | Availability of first aid facility   | V    |               |  |                          |                    |          |
|       | Basic wage rate to<br>construction workers                                   | V    |               | -  |                          |                    |          |
| 8     | Equal wage rate to male<br>and female workers                                |      | V             |  |                          |                    | 4        |
|       | Compensation of<br>temporarily occupied land                                 | V    |               |  |                          |                    |          |
| 10    | Compensation of<br>temporarily occupied<br>buildings                         | V    |               | 1  |                          |                    |          |
| t     | egal document of<br>emporarily occupied assets<br>ton use of child labour in | V    | Authority     |  |                          |                    |          |
|       | construction activities  | V    | R             | (Internet in the second |                          |                    |          |
| pared | d by:  | Xes  | rerified by:  | boet :   | M                        | onitored by:       |          |



| SN. | Name                  | Position             | Contact No | Remarks |
|-----|-----------------------|----------------------|------------|---------|
| 1   | Ravindra kumar Thakur | СМ                   | 9801159860 |         |
| 2   | Dhirendra Yadav       | Engineer             | 9801225283 |         |
| 3   | Randhir Singh         | Engineer             | 9801159918 |         |
| 4   | Pradeep Yadav         | Engineer             | 9801159896 |         |
| 5   | Jibachha Sah          | Engineer             | 9805932183 |         |
| 6   | Dhirendra yadav jr    | Engineer             | 9805913881 |         |
| 7   | Aanand Rayamajhi      | Engineer             | 9801157317 | 1       |
| .8  | Rahul Kr Sharma       | Sub-Engineer         | 9801159862 | f1-     |
| 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 |         |

uth



| Accavator<br>ackhoe Loader<br>sphalt plant of adequate capacity<br>sphalt pavers<br>ibrating roller<br>neumatic tyre roller 8 to 10 ton | 0<br>4<br>1<br>1<br>2   |
|---|---|
| sphalt plant of adequate capacity<br>sphalt pavers<br>ibrating roller   | 1   |
| sphalt pavers   | 1   |
| ibrating roller   |   |
| ibrating roller   |   |
| noumatic tura rollar 9 to 10 ton  | 2   |
| reuniatic tyre roller 8 to 10 ton   | 1   |
| mooth wheeled roller 8 to 10 ton  | 2   |
| pper  | 3   |
| rane  | 1   |
| /ater Tank  | 1   |
| rader   | 2   |
| itumen distributor (4 to 6 Kilo litre)-   | 1   |
| /ater browser ( minimum 5000 Litres)  | 6   |
| hips spreader   | - 0   |
| itumen decanter minimum 18000 Litres.   | 2   |
| ir compressor   | 2   |
| pping Trucks  | 1   |
| ervice vehicle  | 3   |
| otal station  | 1   |
| uto Level   | 5   |
| lobile Generator 15-20 Kva  | 6   |
| lixer Machine   | 5   |
| roomer  | 2   |
| ate Compactor   | 5   |
| /ater Pump  | 4   |
| lotorbike   | - shuthority (P) (1) 12   |
| actor   | DIUDE 12  |
|   | pper<br>rane<br>fater Tank<br>rader<br>tumen distributor (4 to 6 Kilo litre)-<br>fater browser (minimum 5000 Litres)<br>hips spreader<br>tumen decanter minimum 18000 Litres.<br>r compressor<br>pping Trucks<br>ervice vehicle<br>obtal station<br>uto Level<br>obile Generator 15-20 Kva<br>ixer Machine<br>roomer<br>ate Compactor<br>fater Pump<br>otorbike |

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



# **ANNEX- 5: SOP Health Monitoring Format**



|                  | Annex 6              | (B) Reg    | 131             | h Moni       | TO    | l'emplate                      | e at Site/Offi   |                                      | 793 20  |  |  |
|------------------|----------------------|------------|-----------------|--------------|-------|--------------------------------|--|--------------------------------------|---------|--|--|
|                  | Project Name:        | Constructi | on and Completi | t Biratnagat |       | ge, Road, Footp<br>/ICB/BRT/02 | oath and Road furnit   |                                      |         |  |  |
|                  |                      |            |                 | Yes/No       |       |                                |  |                                      |         |  |  |
| S.No. Staff Name |                      | Position   | Temperature     | Cold         | Cough | Difficulty in<br>Breathing     | Have you done<br>hand sanitization<br>before entering<br>site/office | Has the<br>person<br>wearing<br>mask | Remarks |  |  |
| 1                | Giresh Chand         | TL         | 93.1            | NO           | NU    | NO                             | pes  | yes                                  |         |  |  |
| 2                | H.K. Mandal          | E./Qty S.  | 96.9            | NO           | 04    | NO                             | y-00   | y-s                                  |         |  |  |
| 3                | Amit Kumar Gupta     | CSE        | 93.1            | NO           | NO    | NO                             | pro  | po                                   |         |  |  |
| 4                | Rajan Shrestha       | CSE        |                 |              |       |                                |  |                                      |         |  |  |
| 5                | Santosh Kumar Yadav  | OM         | 96-9            | ИВ           | NO    | NO                             | 7-40   | 4.5                                  |         |  |  |
| 6                | Rajesh Kumar Yadav   | Jr.        | 96.8            | 100          | NO    | NO                             | yes  | 7.3                                  |         |  |  |
| 7                | Deepak Majhee        | Jr.        | 93.1.           | NO           | NO    | ND                             | 4-5  | py                                   |         |  |  |
| 8                | Jaya Prakash Yadav   | Jr.        | 95.9            | NO           | NO    | NO                             | yus  | 4-5                                  |         |  |  |
| 9                | Ranjit Mandal        | R/C        | 96.2            | NO           | NO    | NO                             | 4-5  | ps                                   |         |  |  |
| 10               | Youba Raj Poudel     | Driver     | 99.3            | MO           | p+0   | NO                             | 4-5  | 4-5                                  |         |  |  |
| 11               | Pulkit Gothiya Yadav | Driver     | 96.0            | NO           | NO    | NO                             | Yas  | yes                                  |         |  |  |
| 12               | Rudra Kharel         | 0/A        | 96.6            | NO           | NO    | NN                             | 7.5  | 7-5                                  |         |  |  |
| 13               | Kesab Katuwal        | Guard      | 7+.1            | NO           | No    | NO                             | 400  | 4.00                                 |         |  |  |

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

|       | Project Name:        | Constructi | on and Completio | on of sewer |       | ge, Road, Footj<br>/ICB/BRT/02 | oath and Road furnit   | Date:07 J<br>ure works C             | antract No |
|-------|----------------------|------------|------------------|-------------|-------|--------------------------------|--|--------------------------------------|------------|
|       |                      |            |                  |             |       | Yes/N                          | 0  |                                      |            |
| S.No. | Staff Name           | Position   | Temperature      | Cold        | Cough | Difficulty in<br>Breathing     | Have you done<br>hand sanitization<br>before entering<br>site/office | Has the<br>person<br>wearing<br>mask | Remarks    |
| 1     | Giresh Chand         | TL         | 79.1             | NO          | NO    | NO                             | pes  | ps                                   |            |
| 2     | H.K. Mandal          | E./Qty S.  | 97.1             | MO          | NO    | NO                             | y4   | ps                                   |            |
| 3     | Amit Kumar Gupta     | CSE        | 96.2             | NO          | NO    | 100                            | yes  | 45                                   |            |
| 4     | Rajan Shrestha       | CSE        |                  |             |       |                                |  |                                      |            |
| 5     | Santosh Kumar Yadav  | OM         | 96.9             | μo          | NO    | NO                             | yes  | yes                                  |            |
| 6     | Rajesh Kumar Yadav   | Jr.        | 95.0             | NU          | NO    | ND                             | yers   | 10                                   |            |
| 7     | Deepak Majhee        | Jr.        | 97.1             | NO          | No    | NO                             | yes  | po                                   |            |
| 8     | Jaya Prakash Yadav   | Jr.        | 97.1             | NO          | NO    | NO                             | yres   | 40                                   |            |
| 9     | Ranjit Mandal        | R/C        | 91.1             | NO          | NO    | NO                             | 400  | YS                                   |            |
| 10    | Youba Raj Poudel     | Driver     | 97.2             | NO          | NO    | NO                             | y-n  | pos                                  |            |
| 11    | Pulkit Gothiya Yadav | Driver     | 15.9             | 40          | NO    | NO                             | 400  | 70-3                                 |            |
| 12    | Rudra Kharel         | 0/A        | 96-3             | ND          | NO    | 120                            | yes  | 45                                   |            |
| 13    | Kesab Katuwal        | Guard      | 96.9             | NO          | NO    | NO                             | yu .   | 40                                   |            |



|       |                      | 1          | 1 mg            | REDSO        | 15     |                                |  | Date: 12 J                           | an - 20    |
|-------|----------------------|------------|-----------------|--------------|--------|--------------------------------|--|--------------------------------------|------------|
|       | Project Name:        | Constructi | on and Completi | on of sewer: | C DUDD | ge, Road, Footp<br>/ICB/BRT/02 | oath and Road furnit   | ure works C                          | ontract No |
|       |                      |            |                 | - Jul # 1.   |        | Yes/N                          | 0  |                                      |            |
| S.No. |                      | Position   | Temperature     | Cold         | Cough  | Difficulty in<br>Breathing     | Have you done<br>hand sanitization<br>before entering<br>site/office | Has the<br>person<br>wearing<br>mask | Remarks    |
| 1     | Giresh Chand         | TL         | 96-9            | No           | NO     | NO                             | yres   | pes                                  |            |
| 2     | H.K. Mandal          | E./Qty S.  | 76-9            | po           | NO     | NO                             | pres   | yus                                  |            |
| 3     | Amit Kumar Gupta     | CSE        | 94.3            | NO           | NO     | NO                             | 1 m  | ps                                   |            |
| 4     | Rajan Shrestha       | CSE        |                 |              |        |                                |  |                                      |            |
| 5     | Santosh Kumar Yadav  | OM         | 96.8            | NO           | NO     | NO                             | pes  | yes                                  |            |
| 6     | Rajesh Kumar Yadav   | Jr.        | 94.6            | NO           | NO     | NO                             | yes  | pes                                  |            |
| 7     | Deepak Majhee        | Jr.        | 91.8            | NO           | NO     | NO                             | yes  | pes                                  |            |
| 8     | Jaya Prakash Yadav   | Jr.        | 96.8            | NO           | NO     | NO                             | yes  | yes                                  |            |
| 9     | Ranjit Mandal        | R/C        | 96.2            | NO           | 00     | NO                             | pes  | pes                                  |            |
| 10    | Youba Raj Poudel     | Driver     | 95.5            | 000          | NO     | NO                             | yes  | y-el                                 |            |
| 11    | Pulkit Gothiya Yadav | Driver     | 94.09           | NO           | NO     | NO                             | 4.18   | pes                                  |            |
| 12    | Rudra Kharel         | 0/A        | 95.9            | NO           | NO     | NO                             | yes  | 4-5                                  |            |
| 13    | Kesab Katuwal        | Guard      | 73.1            | NO           | NO     | NO                             | yes  | yus                                  |            |

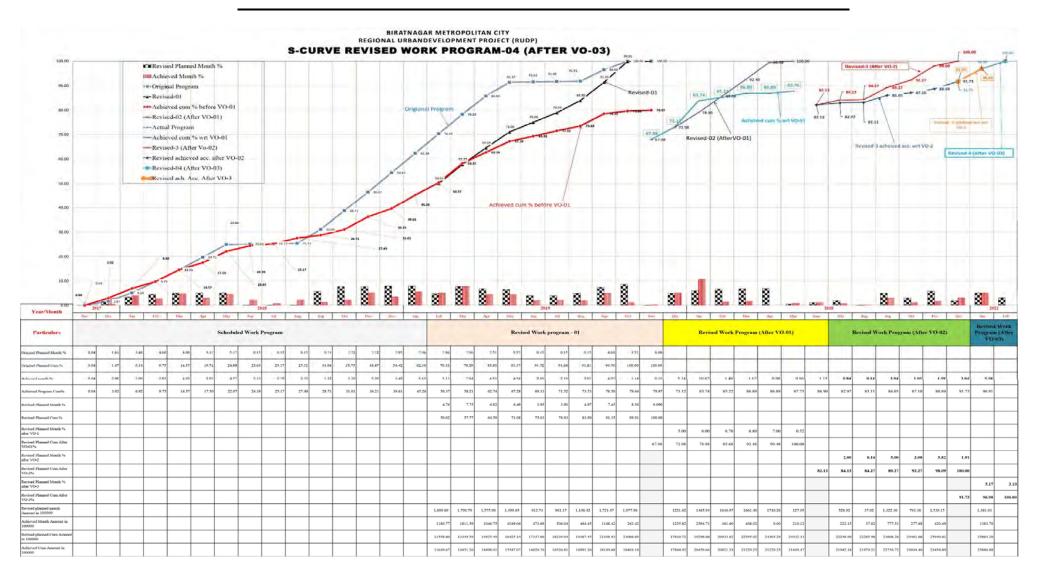
|       |                      |            |                 | DSC          | :     |                              |  | Date:137                             | 202 202     |
|-------|----------------------|------------|-----------------|--------------|-------|------------------------------|--|--------------------------------------|-------------|
|       | Project Name:        | Constructi | on and Completi | on of sewera |       | e, Road, Footp<br>ICB/BRT/02 | oath and Road furnit   | ure works C                          | ontract No: |
|       |                      |            |                 |              |       | Yes/N                        | 0  |                                      |             |
| S.No. | Staff Name           | Position   | Temperature     | Cold         | Cough | Difficulty in<br>Breathing   | Have you done<br>hand sanitization<br>before entering<br>site/office | Has the<br>person<br>wearing<br>mask | Remarks     |
| 1     | Giresh Chand         | TL         | 96.2            | de0          | NO    | 10                           | pes  | 70                                   |             |
| 2     | H.K. Mandal          | E./Qty S.  | 93.5            | MO           | reo   | NO                           | pro  | 4.00                                 |             |
| 3     | Amit Kumar Gupta     | CSE        |                 |              |       |                              |  |                                      |             |
| 4     | Rajan Shrestha       | CSE        |                 |              | _     |                              |  |                                      |             |
| 5     | Santosh Kumar Yadav  | OM         | 97.1            | NO           | NO    | NO                           | yes  | YB                                   |             |
| 6     | Rajesh Kumar Yadav   | Jr.        | 93.2            | NO           | ND    | NO                           | pes  | yes                                  |             |
| 7     | Deepak Majhee        | Jr.        | 975             | NO           | NO    | NO                           | 7-15   | 100                                  |             |
| 8     | Jaya Prakash Yadav   | Jr.        | 97-1            | NO           | NO    | NO                           | yous   | pes                                  |             |
| 9     | Ranjit Mandal        | R/C        | 95.2            | NO           | NO    | NO                           | yes  | 75                                   |             |
| 10    | Youba Raj Poudel     | Driver     | 96.0            | Neo          | NO    | NO                           | yos  | pes                                  |             |
| 11    | Pulkit Gothiya Yadav | Driver     | 15.0            | reo          | NO    | NO                           | yes  | fis                                  |             |
| 12    | Rudra Kharel         | O/A        | 95.9            | NO           | NO    | MO                           | 14   | pes                                  |             |
| 13    | Kesab Katuwal        | Guard      | 9416            | NO           | NO    | NO                           | y sa   | ps                                   |             |



# ANNEX-6: S-Curve

(ATTACHED)







# **ANNEX-7: Master Plan of RUDP Project**







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