

## INTRODUCTION

### BASIC GENERAL/CONTRACT INFORMATION

The Efeson (Ataye) - Mehal Meda road project is found in Amhara National Regional state, northern part of Shewa and Southern Wollo provinces which traverses Efratana Gidim and Lala Midirna Woreda. The project road starts on the junction on Tarmaber- kombolcha trunk road at Efeson town which is about 262 km far from the capital of the county, Addis Ababa, and traverses to west and the project end up at Mehal Meda town. The Efeson- Mehal Meda road project is approximately 60km.

The altitude of the project varies from 1439 m.a.sl at Efeson town to 3398 at Shimeles Mountain and descends gently to an elevation of 3073 m at Mehalmeda. The total cost of Efeson (Ataye) - Mehal Meda road project will be constructed with contract amount of Birr 1,352,642,535.82 including VAT and the contract time for the completion of the work is 1096 calendar days including mobilization, with the Letter of acceptance date on March 13, 2015.

#### **SUMMARY OF BASIC DATA**

|                     |   |
|---------------------|---|
| Project Name        | Efeson (Ataye)-Mehal Meda road project                          |
| Employer            | Ethiopian Roads Authority                                       |
| Consultant          | CORE Consulting Engineers Plc                                   |
| Contractor          | Yencomad Construction Plc                                       |
| Location            | Northern part of Shewa and Southern Wollo Amhara Regional State |
| Contract Signed     | 23 March 2015   |
| Completion date     | Mar.2020  |
| Total Contract Time | 1096 Calendar Days  |
| Total Project cost  | 1,352,642,535.82  |

### PROJECT STATUS SUMMARY UPTO OCTOBER 23-2019

PROJECT COMMENCEMENT DATE MAY..... 23, 2015

Time Elapsed up to 23<sup>rd</sup> Oct. 2019.....**1638 Days** or **119.3%** of Rev.  
Contract Period

To date Financial Accomplishment.... 999,535,422.998ETB or 84.98% against client cost base line.

### Summary of Major Activities To date Accomplished

| Description   | To date Accomplished Vs Contract Amount |       | Remaining | Remarks |
|---|---|-------|-----------|---------|
|   | In %                                    | in km |           |         |
| 1. SURVEY,ENGINEERING INVESTIGATION AND DESIGN        | 98.26%                                  |       |           |         |
| 2.PROVISION OF FACILITY FOR EMPLOYER'S REPRESENTATIVE | 94.30%                                  |       |           |         |
| 3. DETOUR AND TRAFFIC MANAGEMENT                      | 95.91%                                  |       |           |         |
| 4.SITE CLEARANCE AND EARTH WORKS                      | 94.62%                                  | 56.77 | 3.23      |         |
| 5.SUBASE  | 94.28%                                  | 56.57 | 3.43      |         |
| 6. ROADBASE   | 92.93%                                  | 55.76 | 4.24      |         |
| 7.BITUMINOUS SURFACING                                | 91.74%                                  | 55.05 | 4.95      |         |
| 8.DAINAGE AND STRUCTURAL WORKS                        | 82.98%                                  |       |           |         |
| 9.ROAD FURNITURES AND ENVIRONMENTAL WORKS             | 30.01%                                  |       |           |         |

### To-date Linear Status and Remaining Activities Up to 23 October, 2019

| s/n                  | Work Description/Activities                        | Unit | As Mode Of Payment |              |               | Remark |
|----------------------|--|------|--------------------|--------------|---------------|--------|
|                      |  |      | Contract Qty       | Executed Qty | Remaining Qty |        |
| <b>I .Earth Work</b> |  |      |                    |              |               |        |
| i                    | Embankment material mixing, placing and compaction | Km   | 60.68              | 55.80        | 4.88          |        |
| 2                    | Improved Sub Grade or capping layer Construction   | Km   | 60.68              | 57.16        | 3.52          |        |

|   |   |    |       |       |      |  |
|---|---|----|-------|-------|------|--|
| 3 | Cut to spoil material obtained from both hard and soft Excavation | Km | 60.68 | 57.05 | 3.63 |  |
|---|---|----|-------|-------|------|--|

### II. Sub base

|   |   |    |       |       |      |  |
|---|---|----|-------|-------|------|--|
| 4 | Sub Base, Production, hauling, Placing and Finish | Km | 60.68 | 56.57 | 4.11 |  |
|---|---|----|-------|-------|------|--|

### III. Base course

|   |   |    |       |       |      |  |
|---|---|----|-------|-------|------|--|
| 5 | Base Course Production, hauling, Placing and Finish | Km | 60.68 | 55.76 | 4.92 |  |
|---|---|----|-------|-------|------|--|

### IV. Bituminous Surfacing

|   |                        |    |       |       |      |  |
|---|------------------------|----|-------|-------|------|--|
| 6 | Prime Coat Application | Km | 60.68 | 55.76 | 4.92 |  |
| 7 | 1st Seal               | Km | 60.68 | 55.00 | 5.68 |  |
| 8 | 2nd Seal               | Km | 60.68 | 54.98 | 5.70 |  |
| 9 | Shoulder               | Km | 60.68 | 54.98 | 5.70 |  |

### V. Drainage and Structure

|    |                    |    |        |        |       |  |
|----|--------------------|----|--------|--------|-------|--|
| 10 | Earth Ditch        | Km | 60.00  | 50.00  | 10.00 |  |
| 11 | Lined V-Ditch      | Km | 32.17  | 24.61  | 7.56  |  |
| 12 | Lined U-Ditch      | Km | 21.45  | 13.29  | 8.16  |  |
| 13 | Town Section Ditch | Km | 10.00  | 6.93   | 3.07  |  |
| 14 | Pipe culvert       | No | 227.00 | 222.00 | 5.00  |  |

### Slab Culvert

|    |                |    |       |       |      |  |
|----|----------------|----|-------|-------|------|--|
| 15 | Substructure   | No | 35.00 | 30.00 | 5.00 |  |
| 16 | Superstructure | No | 35.00 | 30.00 | 5.00 |  |
| 17 | Backfill       | No | 35.00 | 30.00 | 5.00 |  |

### Bridge

|    |              |    |      |      |      |  |
|----|--------------|----|------|------|------|--|
| 18 | Substructure | No | 7.00 | 6.34 | 0.66 |  |
|----|--------------|----|------|------|------|--|

|    |                |    |      |      |      |  |
|----|----------------|----|------|------|------|--|
| 19 | Superstructure | No | 7.00 | 6.75 | 0.25 | Approach slab and concrete railing construction. |
| 20 | Backfill       | No | 7.00 | 5.90 | 1.10 | Shimelis over pass (40+631) is not started yet   |

### Protection Work

|    |                        |    |       |       |      |                                 |
|----|------------------------|----|-------|-------|------|---------------------------------|
| 21 | Masonry Retaining wall | Km | 60.00 | 21.00 | 4.63 | 0+035-0+97.5(BHS),0+180-250(BS) |
| 22 | Gabion Retaining wall  |    |       | 34.37 |      | Bridge bank protection          |

### Work progress

| Description   | %Accomplished Vs |               |
|---|------------------|---------------|
|   | Plan             | Contract      |
| Series- Design-Completion of survey, investigation & Design | 95.75%           | 98.26%        |
| Series- 1000-General  | 94.51%           | 94.51%        |
| Series -2000-Clearing and Grubbing                          | 98.86%           | 98.48%        |
| Series -3000-Drainage                                       | 60.20%           | 80.10%        |
| Series -4000-Earth Work                                     | 99.07%           | 94.55%        |
| Series -5000-Sub Base, Road Base and Gravel Wearing         | 58.50%           | 93.47%        |
| Series -6000-Bituminous Surfacing                           | 57.74%           | 91.74%        |
| Series -8000-Structures                                     | 81.10%           | 94.53%        |
| Series -9000-Ancillary Works                                | 30.01%           | 30.01%        |
| <b>Sub Total</b>  | <b>75.08%</b>    | <b>84.97%</b> |



Mechanical stabilized earth wall work



Town ditch masonry work



Guard rail installation work



Bitumen boiling activity





Base course placing



1<sup>st</sup> seal binder application



Formwork

1<sup>st</sup> Seal chipping spreading





reparation for rural u-ditch



Gabion work







Shimelis over pass bridge girder concrete casting













Bridge @0+100(60m span)









Reinforced earth wall with pipe @km29+100