

CONTRACT NO :. UMZ/2022-23/INFRA/CAP/021

Papanani Access Road Maintenance

CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS

SECTION 1300

| ITEM                             | DESCRIPTION                                                                   | UNIT  | QTY | RATE | AMOUNT |
|----------------------------------|-------------------------------------------------------------------------------|-------|-----|------|--------|
| 13                               | SECTION 1300<br>CONTRACTOR'S ESTABLISHMENT ON SITE AND<br>GENERAL OBLIGATIONS |       |     |      |        |
| 13.01                            | Contractor's general obligations                                              |       |     |      |        |
|                                  | (a) Fixed time obligations                                                    | L/sum | 1   |      |        |
|                                  | (b) Value-related obligations                                                 | L/sum | 1   |      |        |
|                                  | (c) Time-related obligations                                                  | Month | 6   |      |        |
|                                  | (d) Community Liason Officer for Six(6) months                                | Month | 6   |      |        |
| 13.02                            | Health and Safety Compliance                                                  | Sum   | 1   |      |        |
| TOTAL CARRIED FORWARD TO SUMMARY |                                                                               |       |     |      |        |

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**Papanani Access Road Maintenance**

**OVERHAUL**

**SECTION 1600**

| ITEM                             | DESCRIPTION                                                                | UNIT               | QTY   | RATE | AMOUNT |
|----------------------------------|----------------------------------------------------------------------------|--------------------|-------|------|--------|
| 16                               | SECTION 1600<br>OVERHAUL                                                   |                    |       |      |        |
| 16.02                            | (a) Overhaul on material hauled in excess of 1,0 km<br>(ordinary overhaul) | m <sup>3</sup> -km | 22500 |      | -      |
| TOTAL CARRIED FORWARD TO SUMMARY |                                                                            |                    |       |      | -      |

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Papanani Access Road Maintenance

DRAINS

SECTION 2100

| ITEM                             | DESCRIPTION                                                                                                           | UNIT           | QTY | RATE | AMOUNT |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------|-----|------|--------|
| 21                               | SECTION 2100<br>DRAINS                                                                                                |                |     |      |        |
| 21.01                            | (a) Excavating soft material situated within the following<br>depth ranges below the surface level: (i) 0m up to 1.5m | m <sup>3</sup> | 900 |      |        |
| 21.02                            | Cleaning and shaping of open drains                                                                                   | m2             | 400 |      |        |
| TOTAL CARRIED FORWARD TO SUMMARY |                                                                                                                       |                |     |      | -      |

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Papanani Access Road Maintenance

PREFABRICATED CULVERTS

SECTION 2200

| ITEM                             | DESCRIPTION                                                                                                 | UNIT           | QTY  | RATE | AMOUNT |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|----------------|------|------|--------|
| 22                               | SECTION 2200<br>PREFABRICATED CULVERTS                                                                      |                |      |      |        |
| 22.01                            | Excavation                                                                                                  |                |      |      |        |
|                                  | (a)Excavating soft material situated within the following depth ranges below the surface level:             |                |      |      |        |
|                                  | (i) 0 m up to 1.5 m                                                                                         | m <sup>3</sup> | 48   |      |        |
|                                  | (b) Extra over subitem 22.01(a) for excavation in hard material, irrespective of depth                      | m <sup>3</sup> | 15   |      |        |
| 22.02                            | Backfilling:                                                                                                |                |      |      |        |
|                                  | (a) Using the excavated material                                                                            | m <sup>3</sup> | 9    |      |        |
|                                  | (b) Using imported selected material                                                                        | m <sup>3</sup> | 18   |      |        |
| 22.03                            | Concrete pipe culverts:                                                                                     |                |      |      |        |
|                                  | <b>(a) On class A bedding</b>                                                                               |                |      |      |        |
|                                  | (ii) 600 mm dia. Type 100D                                                                                  | m              | 45   |      |        |
|                                  | (iii) 900mm dia. Type 100D                                                                                  | m              | 22.5 |      |        |
| 22.17                            | Manholes, catchpits, inlet and outlet structures complete                                                   |                |      |      |        |
|                                  | (b) Catchpits, construction complete                                                                        | No             | 9    |      |        |
|                                  | ©Outlet headwalls                                                                                           | No             | 9    |      |        |
| 22.26                            | Hand excavation to determine the positions of existing services                                             | m <sup>3</sup> |      |      |        |
| 22.27                            | Demolition and desposal of existing wingwalls to designated spoil site                                      | m <sup>3</sup> | 8    |      |        |
|                                  | <b>The spacing of the Double Headwall or Causeway between the pipes should be half diameter of the pipe</b> |                |      |      |        |
| TOTAL CARRIED FORWARD TO SUMMARY |                                                                                                             |                |      |      |        |

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Papanani Access Road Maintenance

CONCRETE I CONCRETE DISHDRAINS

SECTION 2300

| ITEM                             | DESCRIPTION                                                                                                                                                                                                                      | UNIT                 | QTY         | RATE | AMOUNT |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------|------|--------|
| 23.00                            | SECTION 2300<br><b>CONCRETE WORKS</b>                                                                                                                                                                                            |                      |             |      |        |
| 23.05                            | <b>Concrete dish drains</b><br><br>Class 25MPa/19mm concrete 100mm thick with ref.245 mesh for storm ditch drain to engineer`s drawing specification (1:30) inclusive of formwork, wood float finish, corner rounder and joints. | m <sup>3</sup>       | 16          |      |        |
| 23.1                             | <b>Concrete Slab</b><br>(b) As per general details <b>25MPa</b> concrete slab: 150mm thick<br>Reinforcement Steel - Mesh : Ref 245                                                                                               | m <sup>3</sup><br>m2 | 330<br>1872 |      |        |
| 23.2                             | Repairing or replacing of existing drainage systems                                                                                                                                                                              | m <sup>3</sup>       | 11          |      |        |
| TOTAL CARRIED FORWARD TO SUMMARY |                                                                                                                                                                                                                                  |                      |             |      |        |

CONTRACT NO : UMZ/2022-23/INFRA/CAP/021  
Papanani Access Road Maintenance  
BORROW MATERIALS  
SECTION 3100

| ITEM                             | DESCRIPTION                    | UNIT | QTY  | RATE | AMOUNT |
|----------------------------------|--------------------------------|------|------|------|--------|
|                                  | SECTION 3100                   |      |      |      |        |
| 31                               | BORROW MATERIALS               |      |      |      |        |
| 31.03                            | Finishing-off borrow areas in: |      |      |      |        |
|                                  | (b) Intermediate material      | ha   | 0.49 |      |        |
| TOTAL CARRIED FORWARD TO SUMMARY |                                |      |      |      |        |

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Papanani Access Road Maintenance  
MASS EARTHWORKS  
SECTION 3300

| ITEM                             | DESCRIPTION                                                                                                            | UNIT | QTY | RATE | AMOUNT |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|------|-----|------|--------|
| 33.12                            | SECTION 3300<br><br>Roadbed preparation and the compaction of material:<br>(b) Compaction to 93% of Mod AASTHO density | km   | 3.5 |      |        |
| TOTAL CARRIED FORWARD TO SUMMARY |                                                                                                                        |      |     |      |        |

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Papanani Access Road Maintenance  
PAVEMENT LAYERS OF GRAVEL MATERIALS  
SECTION 3400

| ITEM                             | DESCRIPTION                                                        | UNIT | QTY  | RATE | AMOUNT |
|----------------------------------|--------------------------------------------------------------------|------|------|------|--------|
| 34                               | SECTION 3400<br>PAVEMENT LAYERS OF GRAVEL MATERIAL                 |      |      |      |        |
| 34.01                            | cut or borrow, including free haul up to 1,0 km<br>95% Mod. AASHTO | m³   | 3413 |      |        |
| TOTAL CARRIED FORWARD TO SUMMARY |                                                                    |      |      |      |        |



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Papanani Access Road Maintenance  
PAVEMENT LAYERS OF GRAVEL MATERIALS  
SECTION 5100

| ITEM                             | DESCRIPTION                                                                                                                                                      | UNIT | QTY | RATE | AMOUNT |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------|--------|
| 51.01                            | SECTION 5100<br><br>PITCHING, STONework AND PROTECTION AGAINST EROSION<br>Stone Pitching<br><br>Grouted stone pitching on concrete bed (Thickness 75mm, 15 Mpa): | m³   | 99  |      |        |
| TOTAL CARRIED FORWARD TO SUMMARY |                                                                                                                                                                  |      |     |      |        |

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| SECTION | DESCRIPTION                                                | TENDER AMOUNT (R) |
|---------|------------------------------------------------------------|-------------------|
| 1300    | CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS |                   |
| 1600    | OVER HAUL                                                  |                   |
| 2100    | DRAINS                                                     |                   |
| 2200    | PREFEBRICATED CULVERTS                                     |                   |
| 2300    | CONCRETE DISHDRAINS                                        |                   |
| 3100    | BORROW MATERIALS                                           |                   |
| 3300    | MASS EARTHWORKS                                            |                   |
| 3400    | PAVEMENT LAYERS OF GRAVEL MATERIALS                        |                   |
| 5100    | PITCHING, STONWORK                                         |                   |
|         | <b>SUB - TOTAL A</b>                                       |                   |
|         | Plus 0% Contingencies                                      |                   |
|         | <b>SUB - TOTAL B</b>                                       |                   |
|         | Add VAT @ 15%                                              |                   |
|         | <b>TOTAL TENDER SUM</b>                                    |                   |