



Enhancing Urban Mobility

## Kenya Urban Roads Authority

Barabara Plaza Mazao Road, Off Airport South Road

P.O BOX 41727-00100 Nairobi, Kenya

0717 105 233 / 020 801 3844/ 020 272 2222

info@kura.go.ke www.kura.go.ke

Ref: KURA/EO/SCM/3/Vol 31 (43)

Date: 12<sup>th</sup> September, 2023

To All Bidders

RE: ADDENDUM NO. 5

Reference is made to the above subject matter.

This is to notify all bidders that an addendum No. 5 has been issued for the tender shown in the table below:

| S/No. | TENDER NUMBER               | TENDER NAME                                                               | CORRECTION           |
|-------|-----------------------------|---------------------------------------------------------------------------|----------------------|
| 1.    | KURA/RMLF/LE/087/2023-2024  | Improvement and Routine Maintenance of Mavoko Roads: Package 7            | Replace page 147-150 |
| 2.    | KURA/RMLF/COR/159/2023-2024 | Performance Based routine maintenance of package 15 roads, Mombasa County | Replace page 83      |
| 3.    | KURA/RMLF/HQ/295/2023-2024  | Upgrading to bitumen standards of Taita Taveta package 1 roads            | Replace page 150     |

Details of the addendum can be accessed on our Website [www.kura.go.ke](http://www.kura.go.ke).

  
Saadia Haji Adankhalif  
FOR: DIRECTOR GENERAL

| CODE                                                                                               | DESCRIPTION                                                                                                          | UNIT           | QUANTITY    | RATE      | AMOUNT<br>Kshs) |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------|-------------|-----------|-----------------|
| <b>Improvement and Routine Maintenance of Mavoko Roads: Package 7 (MWANANCHI ROAD - PHASE III)</b> |                                                                                                                      |                |             |           |                 |
| <b>BILL NO.1: PRELIMINARY AND GENERAL ITEMS</b>                                                    |                                                                                                                      |                |             |           |                 |
| 01.50.001                                                                                          | Allow for attendance upon the Engineer by the following staff in accordance with Clause 137 of Special Specification |                |             |           |                 |
|                                                                                                    | (i) Inspector of works                                                                                               | M.mth          | 8.00        | 70,000.00 |                 |
|                                                                                                    | (ii) Office Assistant                                                                                                | M.mth          | 8.00        | 45,000.00 |                 |
| 01.50.001a                                                                                         | Extra over 01.50.001 for profits and overheads                                                                       | %              | 920,000.00  |           |                 |
| 01.80.005                                                                                          | Allow a prime cost of sum for material testing as directed by the Engineer                                           | PC<br>SUM      | 1 10,000.00 |           |                 |
| 01.80.005a                                                                                         | Extra over item 01.80.005 for contractors overheads and profits                                                      | %              | 1 10,000.00 |           |                 |
| 01.80.006                                                                                          | Allow a prime cost sum for Survey Works                                                                              | PC<br>SUM      | 70,000.00   |           |                 |
| 01.80.006a                                                                                         | Extra over 01.80.006 for profits and overheads                                                                       | %              | 70,000.00   |           |                 |
| 01.80.008                                                                                          | Provide and erect publicity signs in the prescribed design format as directed by the Engineer                        | No.            | 2.00        |           |                 |
|                                                                                                    | <b>Total Carried Forward to Summary:</b>                                                                             |                |             |           |                 |
| <b>BILL 4: SITE CLEARANCE AND TOPSOIL STRIPPING</b>                                                |                                                                                                                      |                |             |           |                 |
| 04.50.003                                                                                          | Light Bush Clearing                                                                                                  | M <sup>2</sup> | 1,800.00    |           |                 |
| 04.50.004                                                                                          | Cut, remove and dispose branches of trees along the side of the road, slopes or alongside ditches.                   | M <sup>2</sup> | 800.00      |           |                 |
| 04.50.004                                                                                          | Clear site on road reserve mechanically by stripping and grubbing roots.                                             | M <sup>2</sup> | 1,800.00    |           |                 |
|                                                                                                    | <b>Total Carried Forward to Summary:</b>                                                                             |                |             |           |                 |

|                               |                                                                                                                                                                   |                |          |  |  |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|--|--|
| <b>BILL NO. 5: EARTHWORKS</b> |                                                                                                                                                                   |                |          |  |  |
| 05.50.001                     | Provide and fill in soft material.                                                                                                                                | M <sup>3</sup> | 150.00   |  |  |
| 05.50.002                     | As item 5.01 but in hard material.                                                                                                                                | M <sup>3</sup> | 100.00   |  |  |
| 05.50.009                     | Cut to spoil in Soft                                                                                                                                              | M <sup>3</sup> | 2,754.00 |  |  |
| 05.50.011                     | Ditto but in hard                                                                                                                                                 | M <sup>3</sup> | 100.00   |  |  |
| 05.50.014                     | Provide, place, spread and compact approved rockfill material                                                                                                     | M <sup>3</sup> | 900.00   |  |  |
| 05.50.015                     | Selected materials for improved sub grade of minimum soils class S3 (CBR 10): dump, spread, water, mix and compact to 100% (MDD AASHTO T.99) as per specification | M <sup>3</sup> | 1,215.00 |  |  |
| 05.60.003                     | Compaction of top 150mm below formation levels in cuts to 100% MDD (AASHTO T99)                                                                                   | M <sup>3</sup> | 675.00   |  |  |
| 05.50.015                     | Provide seedlings, prepare ground, plant, provide fenced protection around and maintain throughout the contract period                                            | No.            | 50.00    |  |  |

| BILL NO. 5: EARTHWORKS |                                                                                    |  |  |  |  |
|------------------------|------------------------------------------------------------------------------------|--|--|--|--|
|                        | selected tree species (1.2m height above ground level) as directed by the Engineer |  |  |  |  |
|                        | <b>Total Carried Forward to Summary:</b>                                           |  |  |  |  |

| BILL NO.7: EXCAVATION & FILLING OF STRUCTURES |                                                                                                                                                                            |    |          |  |  |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------|--|--|
| 07.70.001                                     | Excavate,Provide and place 200mm thick masonry stone pitching including back filling grouting to outfall drains as detailed in the drawings or as directed by the Engineer | M2 | 1,125.00 |  |  |
|                                               | <b>Total Carried Forward to Summary:</b>                                                                                                                                   |    |          |  |  |

| BILL NO. 8: CULVERT AND DRAINAGE WORKS |                                                                                                                   |          |          |  |  |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------|----------|--|--|
| 08.50.002                              | Ditch Cleaning- Manual                                                                                            | MT       | 100.00   |  |  |
| 08.50.006                              | Open lined drain cleaning                                                                                         | MT       | 1,000.00 |  |  |
| 08.70.037                              | Excavate in any material provide and joint invert block drains (IBD) inclusive of bed as directed by the Engineer | MT       | 100.00   |  |  |
| 08.50.022                              | Extra over 08-70-037 laying of 600x 225x75mm side slabs                                                           | m2       | 50.00    |  |  |
| 08.50.022                              | Culvert installation 450mm ID including: excavation, bed, haunching, headwalls and wingwalls                      | MT       | 40.00    |  |  |
| 08.60.020                              | Culvert installation 600mm ID including: excavation, bed, haunching, headwalls and wingwalls                      | MT       | 60.00    |  |  |
| 08.60.022                              | Culvert installation 900mm ID including: excavation, bed, haunching, headwalls and wingwalls                      | MT       | 10.00    |  |  |
|                                        | <b>Total Carried Forward to Summary:</b>                                                                          |          |          |  |  |
| <b>Bill No.9</b>                       | <b>PASSAGE OF TRAFFIC</b>                                                                                         |          |          |  |  |
| 09-50-001                              | Allow for the passage of traffic through and around the works                                                     | Lump sum |          |  |  |
|                                        | <b>Total Carried Forward to Summary:</b>                                                                          |          |          |  |  |

| BILL 10: CARRIAGEWAY GRADING AND GRAVELLING |                                             |                |          |  |  |
|---------------------------------------------|---------------------------------------------|----------------|----------|--|--|
| 10.50.004                                   | Carriageway grading -Light grading          | M <sup>2</sup> | 8,000.00 |  |  |
| 10.60.001                                   | Spot Graveling with watering and compaction | M <sup>3</sup> | 100.00   |  |  |
|                                             | <b>Total Carried Forward to Summary:</b>    |                |          |  |  |

| BILL NO.12: NATURAL MATERIAL BASES AND SUBBASE                 |                                                                                                                                                       |                |          |  |  |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|--|--|
| 12.50.001                                                      | Provide, lay and compact 200mm hand packed stone base including filling of voids with stone dust and watering as directed by the Engineer.            | M <sup>3</sup> | 405.00   |  |  |
| 12.50.003 b                                                    | Provide, place, spread and compact natural gravel for subbase                                                                                         | M <sup>3</sup> | 607.50   |  |  |
|                                                                | <b>Total Carried Forward to Summary:</b>                                                                                                              |                |          |  |  |
| BILL NO.14: CEMENT OR LIME TEATED SUBBASE & BASE               |                                                                                                                                                       |                |          |  |  |
| 14.50.001                                                      | Provide, transport to site and spread cement, as stabilising agent for the natural gravel base material as specified and as directed by the Engineer. | ton            | 28.86    |  |  |
| 14.50.003                                                      | Provide for mixing in cement/lime into natural gravel or graded crushed stone                                                                         | M <sup>3</sup> | 607.50   |  |  |
| 14.50.004                                                      | Allow for curing and protection of the treated material as specified.                                                                                 | m <sup>2</sup> | 2,925.00 |  |  |
|                                                                | <b>Total Carried Forward to Summary:</b>                                                                                                              |                |          |  |  |
| BILL NO. 15: BITUMINOUS SURFACE TREATMENT AND SURFACE DRESSING |                                                                                                                                                       |                |          |  |  |
| 15.50.001                                                      | Prepare surface of carriageway, bus bays and repair areas, provide and spray MC-30 cutback bitumen at a rate of 0.8-1.2 litre/m2 as prime coat        | L              | 8,160.00 |  |  |
| 15.50.003                                                      | Prepare surface of repair areas provide and spray K1-60 bitumen emulsion as tack coat or seal to repair areas at a spray rate of 0.8-1.0 litre/m2     | L              | 6,800.00 |  |  |
|                                                                | <b>Total Carried Forward to Summary:</b>                                                                                                              |                |          |  |  |
| BILL NO.16: BITUMINOUS MIXES                                   |                                                                                                                                                       |                |          |  |  |
| 16.60.001a                                                     | Provide and lay asphaltic concrete type II as wearing course (Including Previous 0.4km section)                                                       | M <sup>3</sup> | 204.00   |  |  |
| 16.60.001b                                                     | Provide and lay asphaltic concrete type II on walkways                                                                                                | M <sup>3</sup> | 51.00    |  |  |
|                                                                | <b>Total Carried Forward to Summary:</b>                                                                                                              |                |          |  |  |

| BILL NO. 20: ROAD FURNITURE |                                                                                      |                |        |  |  |
|-----------------------------|--------------------------------------------------------------------------------------|----------------|--------|--|--|
| 20.50.006                   | Provide and Paint 0.1m wide thermoplastic yellow centreline on the road as specified | M <sup>2</sup> | 85.00  |  |  |
| 20.50.007                   | Provide and Paint 0.1m wide thermoplastic white lines on road edges                  | M <sup>2</sup> | 180.00 |  |  |
| 20.50.012 a                 | Provide lay and joint concrete class 20/20 kerbs in support to                       | MT             | 700.00 |  |  |

| BILL NO. 20: ROAD FURNITURE |                                                            |    |        |  |  |
|-----------------------------|------------------------------------------------------------|----|--------|--|--|
|                             | carriageway, bus bays and junctions                        |    |        |  |  |
| 20.50.012 b                 | Dittto but flash kerbs                                     | MT | 700.00 |  |  |
| 20.70.002                   | Provide and erect priority, prohibitory or mandatory signs | No | 5.00   |  |  |
| 20.70.004                   | Provide and erect informatory signs                        | No | 4.00   |  |  |
|                             | <b>Total Carried Forward to Summary:</b>                   |    |        |  |  |

| SUMMARY OF BILLS OF QUANTITIES |                                                     |        |
|--------------------------------|-----------------------------------------------------|--------|
| Bill No.                       | DESCRIPTION                                         | AMOUNT |
|                                |                                                     | SHS.   |
| 1                              | GENERAL                                             |        |
| 4                              | SITE CLEARANCE AND TOPSOIL STRIPPING                |        |
| 5                              | EARTHWORKS                                          |        |
| 7                              | EXCAVATION AND FILLING FOR STRUCTURES               |        |
| 8                              | CULVERTS AND DRAINAGE WORKS                         |        |
| 9                              | PASSAGE OF TRAFFIC                                  |        |
| 10                             | GRADING AND GRAVELLING                              |        |
| 12                             | NATURAL MATERIAL SUBBBASE AND BASE                  |        |
| 14                             | CEMENT TREATED BASE AND & SUBBSAE                   |        |
| 15                             | BITUMINOUS TREATMENT AND SURFACE DRESSING           |        |
| 16                             | BITUMINOUS MIXES                                    |        |
| 20                             | ROAD FURNITURE                                      |        |
| A                              | Sub-total 01                                        |        |
| B                              | Add 16% of Sub-total 01 for VAT.                    |        |
| C                              | Grand Total Carried Forward to Form of Tender (A+B) |        |

| PCEA MAKUPA ACADEMY ECD-MOMBASA               |                                                   |        |  |
|-----------------------------------------------|---------------------------------------------------|--------|--|
| SUMMARY OF BILL OF QUANTITIES                 |                                                   |        |  |
| BILL ITEM                                     | DESCRIPTION                                       | AMOUNT |  |
| 1                                             | Preliminary and General items                     |        |  |
| 4                                             | Site Clearance                                    |        |  |
| 5                                             | Earthworks                                        |        |  |
| 8                                             | Culverts and Drainage Works                       |        |  |
| 11                                            | Shoulder to Pavement/Walkways                     |        |  |
| 12                                            | Natural Materials for Subbase and Bases           |        |  |
| 15                                            | Bituminous Surface Treatment and Surface Dressing |        |  |
| 16                                            | Bituminous Mixes                                  |        |  |
| 20                                            | Road Furniture                                    |        |  |
| 23                                            | Concrete Paving Blocks                            |        |  |
| 25                                            | Cross Cutting Issues                              |        |  |
|                                               | <b>SUB-TOTAL ( 1 )</b>                            |        |  |
|                                               | Add ...16% VAT of sub-total ( 1 )                 |        |  |
| <b>TOTAL CARRIED FORWARD TO GRAND SUMMARY</b> |                                                   |        |  |

*DM*

|           | <b>BILL № 8: Culvert and Drainage Works</b>                                                                                                                                                                                                                                                                             |                |          |            |              |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|------------|--------------|
| ITEM      | DESCRIPTION                                                                                                                                                                                                                                                                                                             | UNIT           | QUANTITY | RATE (KSH) | AMOUNT (KSH) |
|           | No separate payment shall be made for the haulage of surplus or unsuitable excavated material and the cost of such haulage shall be included in the rates and/or prices                                                                                                                                                 |                |          |            |              |
| 08.60.030 | Excavate in soft material to the range of depths stated below for pipe culverts, subsoil drains, headwalls, wing walls, aprons, toe walls, drop inlets, mitre drains, catch water drains and median drains including support of trench sides, backfilling and compacting as specified or as instructed by the Engineer. | m <sup>3</sup> | 1,200    |            |              |
| 08.60.031 | As Item 8.01 but hard material                                                                                                                                                                                                                                                                                          | m <sup>3</sup> | 100      |            |              |
| 08.60.024 | Provide, lay and joint 600 mm I.D. Reinforced Cement Concrete pipes                                                                                                                                                                                                                                                     | m              | 350      |            |              |
| 08.60.026 | Provide, lay and joint 900 mm Internal Diameter (I.D.) Reinforced Cement Concrete pipes                                                                                                                                                                                                                                 | m              | 300      |            |              |
| 08.60.029 | Provide, lay and joint 1200 mm Internal Diameter (I.D.) Reinforced Cement Concrete pipes                                                                                                                                                                                                                                | m              | 200      |            |              |
| 08.60.032 | Provide and place RC Class 15/20 concrete for use as bed, haunch and surround, including formwork                                                                                                                                                                                                                       | m <sup>3</sup> | 1,100    |            |              |
| 08.60.034 | Provide and place RC Class 25/20 concrete for side walls, top slabs, trenches, drains, retaining walls, toe walls, head walls, wing walls and aprons, natural sand including formwork and provision and placing of reinforcement as shown on the drawings or as instructed by the Engineer.                             | m <sup>3</sup> | 900      |            |              |
| 08.60.034 | Construct in concrete class 15(20) side drains scour checks as instructed                                                                                                                                                                                                                                               | m <sup>3</sup> | 500      |            |              |
|           | <b>BILL 8 SUB-TOTAL CARRIED TO SUMMARY PAGE</b>                                                                                                                                                                                                                                                                         |                |          |            |              |
|           | <b>BILL № 9: Passage of Traffic</b>                                                                                                                                                                                                                                                                                     |                |          |            |              |
| ITEM      | DESCRIPTION                                                                                                                                                                                                                                                                                                             | UNIT           | QUANTITY | RATE (KSH) | AMOUNT (KSH) |
| 09.50.004 | Provide and maintain the signs and barriers for safe passage of traffic                                                                                                                                                                                                                                                 |                |          |            |              |
|           | (i) Signage                                                                                                                                                                                                                                                                                                             | №              | 100      |            |              |
|           | (ii) Barricades - drum type                                                                                                                                                                                                                                                                                             | №              | 33       |            |              |
|           | (iii) Barricades - steel portable                                                                                                                                                                                                                                                                                       | №              | 20       |            |              |
| 09.50.005 | Allow for the passage of traffic through the works                                                                                                                                                                                                                                                                      | Lump Sum       | 1        |            | 3,000,000.00 |
| 09.50.006 | Provide, spread, water, process and compact to 95% MDD (AASHTO T180) gravel of sub base quality on deviations, thickness 150mm. The rate should include maintenance during the entire period of construction period.                                                                                                    | m <sup>3</sup> | 810      |            |              |
|           | <b>BILL 9 TOTAL CARRIED TO SUMMARY PAGE</b>                                                                                                                                                                                                                                                                             |                |          |            |              |