



Kenya Airports Authority

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KAA/OT/KAKAMEGA/0086/2024-20255

25th February 2025

To: All Bidders

**RE: PROPOSED EMERGENCY REHABILITATION OF FOR KAKAMEGA
AIRSTRIIP PHASE 2**

TENDER NO. KAA/OT/KAKAMEGA/0086/2024-2025

ADDENDUM NO. 2

The following are tender clarifications/addendum issued regarding the above tender in accordance to instructions to tenderers of the bidding document.

No.	Clarification	Response
I.	Find attached revised BoQ capturing Bill 16 that was missing in the sent out tender document	Bidders are hereby informed that the BoQ that was sent out on original tender document is hereby expunged and replace in its entirety with the annex BOQ

The closing/opening date remains on **6th March, 2025 at 11:00 a.m.**

Kindly ensure your tender is valid for a period of **186 days** and your tender security is valid for a period of **216 days** from **New closing/opening date of 6th March, 2025 at 11.00. a. m.**

This addendum forms part of the bidding document and is binding on all bidders. All other conditions remain the same.

Vincent Korir
GM (PROCUREMENT AND LOGISTICS)
For: MANAGING DIRECTOR/CEO

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Project	PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP PHASE 2				
Contract No.	KAA/OT/KAKAMEGA /0086/2024-2025				
Bill of Quantities					
Bill No.1	PRELIMINARIES				
Item No.	Description	Units	Quantity	Rate(KES)	Amount (KES)
1.01	Supply, deliver and maintain the ER's 40ft containerized office (smooth interiors finished and fitted with lighting and 5 sockets points, permanent ventilations, partitioned as shown in the drawings) for the entire contract period, rate includes the building, security, water, electricity, gas, cleaning, etc in accordance with the specifications. (Office and furniture to revert to the Employer at the end of the Contract)	LS	1		
1.02	Provide and install reinforced (weight of steel 80kg/m3-120kg/m3) concrete Septic Tank of 25,000 ltrs capacity	LS	1		
1.03	Allow a Prime Cost Sum of Kshs.2,000,000/= for materials testing .	Item	1	2,000,000.00	2,000,000.00
1.04	Include percentage of P.C Sum in item 1.03 for Contractor's overheads and profit.	%	1		
1.05	Allow a prime cost Sum of Ksh.3,000,000.00 for Engineer's miscellaneous account.	Item	1	3,000,000.00	3,000,000.00
1.06	Include percentage of P.C sum in item 1.05 for Contractor's overheads and profit.	%	1		
1.07	Prime Cost Engineer's Site Supervision	Item	1	7,000,000.00	7,000,000.00
1.08	Include percentage of P.C sum in item 1.07 for Contractor's overheads and profit.	%	1		

1.10	Provide with driver, fuel, service and maintain, insure 2No. Brand new 4WD Double cab pick up vehicle, diesel engine capacity 2800-3000 cc for exclusive use of the Engineer inclusive of the first 5,000 km per vehicle month to Engineer's approval. Vehicle to revert back to the contractor.	Veh. Month	28		
1.11	Extra over item 1.10 for mileage over 5,000km per vehicle month inclusive of of all fuels, lubricants, servicing and maintenance insurances and driver.	KM	12,000		
1.12	Provide automatic level machine complete with levelling staff and levelling bubble for exclusive use by the Engineer's representative for the entire duration of the contract as per special specifications.	Month	14		
1.13	Provide project signboard being 1200mm x 600mm Gauge 14 (1.99mm thick) mild steel plate welded onto 50mm x 50mm x 3mm square hollow sections frame, 2.5m frame with 0.5m fixed below ground, and painted approved colours for the duration of the project including the defects liability period	No.	1		
1.14	Mobile telephones with a minimum of 8GB RAM with min 48MP camera	No.	4		
1.15	Mobile telephones with a minimum of 4GB RAM with min 48MP camera	No.	3		
1.16	All-in-One Business Desktop PC Intel Core i5-9600 Processor 23.8" IPS widescreen WLED Backlit Anti-glare Touchscreen 8GB DDR4-2666 RAM 256GB SSD Intel UHD Graphics 630 1 Year Warranty including the MS Office, MS Project, Civil 3D 2025, Adobe Reader and relevant applications software Internet/e-mail access.	No.	1		

1.17	All-in-One Business Desktop PC Intel® Core™ Ultra 7 155U 4.8 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 12 cores, 14 threads)[6,7] Processor, integrated: Intel® Iris® Xe Graphics, 27" IPS widescreen WLED Backlit Anti-glare Touchscreen 16GB DDR5-5600MT/s (2 x 8 GB), 1 Year Warranty, including the MS Office, MS Project, Civil 3D 2025, Adobe Reader and relevant applications software Internet/e-mail access.	No.	1		
1.18	Laptop computer Gen 13 equipped Windows 10 or latest and provided with a minimum of Pentium IV, 4.3 GHz processor, 1TB hard disk and 64GB RAM, including the MS Office, MS Project, Civil 3D 2025, Adobe Reader and relevant applications software Internet/e-mail access.	No.	3		
1.19	Capacity building (Kenya based) training of civil engineering staff to ensure progressive career development and adaptability to the modern technology and modes of operation in the following areas; The training must be by an institution approved by ICAO and/or KCAA such as EASA and other state regulatory bodies such as KEBS, EBK, IEK or any other relevant body meeting the description herein.	LS	1	5,800,000.00	5,800,000.00
1.20	Include percentage of P.C sum in item 1.19 for contractor's overheads and profit.	%	1		
1.21	Starlink SpaceX standard kit Gen 3	Item	1		
1.22	Monthly subscription of Unlimited High Speed internet 100MBPS	Month	14		
Total of Bill Carried Forward to Summary Sheet					

Project	PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP PHASE 2				
Contract No.	KAA/OT/KAKAMEGA /0086/2024-2025				
Bill of Quantities					
Bill No.4	SITE CLEARANCE AND TOP SOIL STRIPPING				
Item No.	Description	Units	Quantity	Rate(Kshs)	Amount (Kshs)
No separate payment shall be made for the overhaul material and the cost of such haulage shall be included in the rate and /or prices.					
4.01	Clear site including removal of hedges, bushes, trees including uprooting of trees stumps of all girths equal to or less than 1m (except those designated to remain by the Engineer) and other vegetation and objectionable materials in accordance with the specifications	Ha	20.0		
4.02	Removal of topsoil to spoil. Depth not exceeding 200mm.	m ³	20,200		
Total Carried Forward to Summary Sheet					

Project	PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP PHASE 2				
Contract No.	KAA/OT/KAKAMEGA /0086/2024-2025				
Bill of Quantities					
Bill No.5	EARTH WORKS				
Item No.	Description	Units	Quantity	Rate (Kshs)	Amount (Kshs)
No separate payment shall be made for the overhaul material and the cost of such haulage shall be included in the rate and /or prices. It is the contractor's responsibility to identify quarries, borrow pits and spoil areas.					
5.01	Provide, lay and compact soft material in layers not exceeding 150mm in Fill as directed by the Engineer	m ³	45,300		
5.02	Extra over items 5.01 for compaction of top 300mm to 100% MDD (AASHTO T99)	m ³	13,400		
5.03	Cut to Spoil in soft material	m ³	13,200		
5.04	Cut to Spoil in hard	m ³	5,700		
5.05	Compaction of existing ground to a depth of 150mm to 95% MDD (AASHTO T99)	m ³	6,700		
5.06	Provide, lay and compact to refusal rock fill in layers not exceeding 300mm or as directed by Engineer.	m ³	6,000		
5.07	Provide approved filter fabric under, over or around rock fill.	m ²	14,160		
5.08	50mm Top soiling to specification	m ³	58,950		
5.09	Grassing to specifications	m ²	58,950		
Total Carried Forward to Summary Sheet					

Project	PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP PHASE 2				
Contract No.	KAA/OT/KAKAMEGA /0086/2024-2025				
Bill of Quantities					
Bill No.8	CULVERT AND DRAINAGE WORKS				
Item No.	Description	Units	Quantity	Rate(Kshs)	Amount (Kshs)
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/prices.					
8.01	Excavate for culverts and subsoil drains in soft material.	m ³	3,740		
8.02	Excavate for inlet, outfall, mitre and catch water drains in soft material.	m ³	6,970		
8.03	Extra over items 8.01 & 8.02 for excavation in hard material.	m ³	1,160		
8.04	Selected fill material	m ³	1,300		
8.05	Approved crushed rock fill in subsoil drains and rock fill under culverts	m ³	3,480		
8.06	Provide and place class 15/20 reinforced concrete to headwalls, wing walls, aprons, to pipe culverts including formwork and reinforcement.	m ³	610		
8.07	Provide and fix steel fabric reinforcement to BS 4483 size A142 where directed by the Engineer.	m ²	200		
8.08	Prepare ground and Stone pitch using 200mm thick stones and joint using mortar to the approval of the Engineer	m ²	1,000		
Total Carried Forward to Summary Sheet					

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Contract No.	KAA/OT/KAKAMEGA /0086/2024-2025				
Bill of Quantities					
Bill No.12	NATURAL MATERIAL BASE AND SUBBASE				
Item No.	Description	Units	Quantity	Rate(Kshs)	Amount (Kshs)
No overhaul will be paid separately under this item and the cost for haulage will be deemed to have been included in the rates (METHOD A).					
12.01	Provide, place, spread and compact natural gravel min soaked 4 day CBR 30% at 95% MDD (AASHTO T180) compaction for subbase.	m ³	1,970		
12.02	Provide, place, spread and compact natural gravel minimum soak 4 days CBR 30% at 95% MDD (AASHTO T180) compaction for base.	m ³	1,970		
Total Carried Forward to Summary Sheet					

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Contract No.	KAA/OT/KAKAMEGA /0086/2024-2025				
Bill of Quantities					
Bill No.13	GRADED CRUSHED STONE SUBBASE AND BASE				
Item No.	Description	Units	Quantity	Rate(Kshs)	Amount (Kshs)
No overhaul will be paid separately under this item and the cost for haulage will be deemed to have been included in the rates					
13.01	Provide, place, spread and compact Class A Graded Crushed Stone (GCS) to 98% MDD with results not less than 96% MDD	m³	11,090		
Total Carried Forward to Summary Sheet					

Project	PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP PHASE 2				
Contract No.	KAA/OT/KAKAMEGA /0086/2024-2025				
Bill of Quantities					
CEMENT AND LIME TREATED Bill No.14SUBBASE AND BASE					
Item No.	Description	Units	Quantity	Rate(Kshs)	Amount (Kshs)
14.01	Provide, transport to site, store and spread Ordinary Portland Cement to gravel material for sub base and base or as specified and as instructed by the Engineer at 30- 60 kg/m3 at the point of works including all handlings.	Tonne	1,070		
14.02	Allow for mixing in cement and/or lime into natural gravel.	m³	10,760		
14.03	Allow for curing and protection of treated layers as specified	m²	44,360		
Total Carried Forward to Summary Sheet					

Project	PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP PHASE 2				
Contract No.	KAA/OT/KAKAMEGA /0086/2024-2025				
Bill of Quantities					
Bill No.15	BITUMINOUS SURFACE TREATMENT AND SURFACE DRESSING				
Item No.	Description	Units	Quantity	Rate (Kshs)	Amount (Kshs)
15.01	Prepare surface of runway, taxiway, apron and shoulders, provide and spray MC-30 as a prime coat cutback bitumen at a rate of 0.8 -1.0 lt/m ² as prime coat.	Lts	44,360		
15.02	Prepare primed surfaces, provide and spray KI-60 bitumen emulsion as tack coat at a sparay rate of 0.8 - 1.0 lt/m2 as directed by Engineer.	Lts	44,360		
Total Carried Forward to Summary Sheet					

Project	PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP PHASE 2				
Contract No.	KAA/OT/KAKAMEGA /0086/2024-2025				
Bill of Quantities					
Bill No.16	BITUMINOUS MIXES				
Item No.	Description	Units	Quantity	Rate(Kshs)	Amount (Kshs)
16.01	Provide, place and compact 35mm asphalt concrete Type I with 5-6% nominal bitumen content by weight to total mix as wearing course on Runway, Taxiway & Apron as directed by Engineer.	m³	3,330		
Total Carried Forward to Summary Sheet					

	PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP PHASE 2				
Contract No.	KAA/OT/KAKAMEGA /0086/2024-2025				
Bill of Quantities					
Bill No.20	ROAD FURNITURE				
Item No.	Description	Units	Quantity	Rate(Kshs)	Amount (Kshs)
20.01	Prepare surface and paint with approved reflectorised white and yellow road marking paints for pavement marking as directed by the Engineer	m ²	3,500		
20.02	Provide and erect Windsock complete with Mast fixed to the ground	No.	2		
Total Carried Forward to Summary Sheet					

Project	PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP PHASE 2				
Contract No.	KAA/OT/KAKAMEGA /0086/2024-2025				
Bill of Quantities					
Bill No.22	DAYWORKS (RATES ONLY)				
Item No.	Description	Units	Quantity	Rate(Kshs)	Amount (Kshs)
	LABOUR				
	All items for labour must be priced. Only the actual time engaged in the work will be paid for. NOTE: The rate inserted herein shall include all costs of labour as well as overtime, traveling, time and cost of accommodation, social security, contributions, use and maintenance of small tools of trade, supervision, insurance, overheads, profits, and any other cost allowance.				
22.01	Unskilled Labour	Hrs	100		
22.02	Carpenter/ stone mason	Hrs	100		
	MATERIALS				
	All materials should comply with the specification. The rates inserted herein are to include for delivery to site, storage, handling, overheads, and profit				
22.03	Ordinary Portland Cement	Tonne	1		
22.04	Hydrated Lime	Tonne	1		
22.05	Aggregates for Concrete				
	a) Sand	m ³	15		

	b) Coarse aggregate (12mm)	m ³	15		
	c) Coarse aggregate (20mm)	m ³	15		
22.06	Shuttering Timber				
	Class F1 finish	m ²	10		
	Class F3 finish	m ²	10		
22.07	Mild Steel				
	a) Up to and including 16mm diameter	Tonne	1		
	b) Over 16mm diameter size	Tonne	1		
22.08	High Yield Steel				
	a) Up to and including 16mm diameter	Tonne	1		
	b) Over 16mm diameter size	Tonne	1		
22.09	Bitumen				
	a) 80/100 Penetration Grade Bitumen	Litre	2		
	b) MC 30 Cutback Bitumen	Litre	2		
	c) MC 3000 Cutback Bitumen	Litre	2		
	d) K 1-70 Bitumen Emulsion	Litre	2		
	e) Kerosene	Litre	2		
22.10	Asphalt Concrete Type I				
	a) 0/14mm grading	m ³	3		
	b) 0/20mm grading	m ³	3		
22.11	Class 2-3 Chippings for Bituminous Surface Dressing				
	a) 0/6 mm (quarry dust)	m ³	3		

	b) 6/10mm	m ³	3		
	c) 10/14mm	m ³	3		
	d) 14/20mm	m ³	3		
22.12	Approved quarry waste	Tonne	3		
22.13	Hard-core	Tonne	3		
22.14	Building Stone	Tonne	3		
	Gravel				
22.15	a) Natural Base or Sub Baas (Minimum CBR- 30%)	m ³	15		
22.16	Gabion Mesh (2.0x1.0x1.0)m	m ²	35		
22.17	Rock fill to Gabions	m ³	10		
22.18	Barbed Wire heavy gauze	Lm	50		
22.19	Ordinary Steel Nails (All sizes)	Kg	10		
22.20	Treated Wooden fencing post 100mm diameter by 1000mm long	No.	20		
22.21	250x150mm half-battered precast concrete kerbs	Lm	20		
22.22	125x100mm pre cast concrete road channel	Lm	20		
	<u>PLANT & EQUIPMENT</u>				
	Where items of major plant listed in the schedule of Day works are specified by type (e.g. Cat D7, Cat 120H) the power rating of such plant is that manufactured within the two years prior to the date of tender. Any plant employed upon day works which have power rating lower than that stated above shall be paid for at rates lower than those schedule of day works. The deduction in the payable rates shall be in				

	proportion to the power rating below the specified above plant.				
22.23	Cat D6 bull dozer or equivalent with Dozer/ Ripper attachment.	Hr	2		
22.24	Cat 140H motor grader or equivalent complete with scarifier.	Hr	2		
22.25	Vibrating roller (10 tonnes).	Hr	2		
22.26	Hand propelled vibrating roller.	Hr	2		
22.27	Hand held Lawn mower	Hr	2		
22.28	Cat 950G wheel loader or equivalent.	Hr	2		
22.29	15 tonne tipper lorry.	Hr	2		
22.30	10 tonne tipper lorry.	Hr	2		
22.31	2cm/hr dewatering pump	Hr	2		
22.32	Concrete mixer 0.3 - 0.7 m ³ /min.	Hr	2		
22.33	Pneumatic self-propelled roller - 15 tonnes	Hrs	2		
22.34	As item 22.33 but 10 tons.	Hrs	2		
22.35	smooth steel roller. 16-18 tons	Hrs	2		
22.36	As item 22.35 but 12 tonne.	Hrs	2		
22.37	As item 22.35 but 10 tonne.	Hrs	2		
22.38	One ton hand-propelled vibrating roller.	Hrs	2		
22.39	Hand held rammer compactor or equivalent.	Hrs	2		
22.40	Traxcavator with loader attachments-1.7m ³	Hrs	2		
22.41	As item 22.40 but 1.3m ³	Hrs	2		
22.42	As item 22.40 but 1.1m ³	Hrs	2		
22.43	As item 22.40 but 0.6m ³	Hrs	1		
22.44	One to one & a half tonne capacity pick-up.	Hrs	2		

22.45	Compressor dia. (250 c.f.m.) complete with all tools, hoses, steels etc.	Hrs	2		
22.46	Concrete vibrator (poker type).	Hrs	2		
22.47	Self-propelled water tanker 6,000- 10,000 litre minimum capacity with pick-up pump.	Hrs	2		
22.48	Mechanical broom	Hrs	2		
22.50	Pressure bitumen distributor 4500-8000 litres capacity.	Hrs	2		
22.51	Mechanical chips spreader	Hrs	2		
Total Carried Forward to Summary Sheet					

Project	PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP PHASE 2	
Contract No.	KAA/OT/KAKAMEGA /0086/2024-2025	
Bill of Quantities		
	Summary	
Item No.	Description	Amount
1	GENERAL: Office administration and overheads/Preliminaries	
4	SITE CLEARANCE	
5	EARTHWORKS	
8	CULVERT AND DRAINAGE WORKS	
12	NATURAL MATERIAL BASES AND SUBBASE	
13	GRADED CRUSHED STONE SUBBASE AND BASE	
14	CEMENT AND LIME TREATED SUBGRADE,SUBBASE AND BASE	
15	BITUMINOUS SURFACE TREATMENT AND SURFACE DRESSING	
16	BITUMINOUS MIXES	
20	ROAD FURNITURE	
22	DAYWORKS	
	Sub Total 1	
	Add 2.5% of Sub-Total 1 of Bills as Provisional Sum for contingencies to be expended in the whole or part or deleted by the Engineer	
	Sub Total 2	
	Add 16% of Sub-Total 2 for Value Added Tax (VAT)	
	Sub-Total - 3	
	GRAND TOTAL CARRIED TO FORM OF TENDER	

Ernest Mwangombe

From: Moses Osure
Sent: Tuesday, 25 February 2025 10:38
To: Ernest Mwangombe; Lilian Okidi
Cc: Tenders; Meshack Ochieng; Vincent Korir
Subject: RE: KAA OT KAKAMEGA 0086 2024-2025 PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP -PHASE 2
Attachments: KAA OT KAKAMEGA 0086 2024- 2025 BOQ ADDENDUM.docx

Dear Ernest,

Please find attached revised BoQ capturing Bill 16 that was missing in the sent out tender document.

Regards,
Eng. M. Osure.

From: Moses Osure
Sent: Sunday, February 16, 2025 2:29 PM
To: Ernest Mwangombe <Ernest.Mwangombe@kaa.go.ke>; Lilian Okidi <Lilian.Okidi@kaa.go.ke>
Cc: Tenders <Tenders@kaa.go.ke>; Meshack Ochieng <Meshack.Ochieng@kaa.go.ke>; Vincent Korir <Vincent.Korir@kaa.go.ke>
Subject: RE: KAA OT KAKAMEGA 0086 2024-2025 PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP - PHASE 2

Dear Ernest,

I have amended the special specifications for the tender kindly upload this version

Regards,
Eng. M. Osure.

From: Ernest Mwangombe <Ernest.Mwangombe@kaa.go.ke>
Sent: Saturday, February 15, 2025 10:49 AM
To: Lilian Okidi <Lilian.Okidi@kaa.go.ke>
Cc: Tenders <Tenders@kaa.go.ke>; Moses Osure <Moses.Osure@kaa.go.ke>
Subject: FW: KAA OT KAKAMEGA 0086 2024-2025 PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP - PHASE 2

Dear Madam,

Please find attached tender document for your review

Regards,
Ernest

From: Moses Osure
Sent: Friday, 14 February 2025 18:14
To: Ernest Mwangombe <Ernest.Mwangombe@kaa.go.ke>
Cc: Tenders <Tenders@kaa.go.ke>; Vincent Korir <Vincent.Korir@kaa.go.ke>; Meshack Ochieng <Meshack.Ochieng@kaa.go.ke>
Subject: RE: KAA OT KAKAMEGA 0086 2024-2025 PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP - PHASE 2

Dear Ernest,

Please find attached the reviewed Tender document accompanied with drawings for your further action.

Regards,
Eng. M. Osure.

From: Ernest Mwangombe <Ernest.Mwangombe@kaa.go.ke>
Sent: Friday, February 14, 2025 4:19 PM
To: Moses Osure <Moses.Osure@kaa.go.ke>
Cc: Tenders <Tenders@kaa.go.ke>; Vincent Korir <Vincent.Korir@kaa.go.ke>; Meshack Ochieng <Meshack.Ochieng@kaa.go.ke>
Subject: FW: KAA OT KAKAMEGA 0086 2024-2025 PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP - PHASE 2

Dear Eng,

Following technical review, please find attached tender document for your concurrence

Please add the drawing and revisit the 20% advance payment and advise accordingly

Regards,
Ernest

From: Ernest Mwangombe
Sent: Friday, 14 February 2025 14:15
To: Moses Ouma <Moses.Ouma@kaa.go.ke>
Cc: Tenders <Tenders@kaa.go.ke>; Vincent Korir <Vincent.Korir@kaa.go.ke>; Meshack Ochieng <Meshack.Ochieng@kaa.go.ke>
Subject: KAA OT KAKAMEGA 0086 2024-2025 PROPOSED EMERGENCY REHABILITATION OF KAKAMEGA AIRSTRIP -PHASE 2

Dear Eng,

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Regards,
Ernest