



ALL CORRESPONDENCE TO BE ADDRESSED TO THE GENERAL MANAGER

Central Electricity Board

CORPORATE OFFICE

P.O.BOX 134 | Rue du Savoir | Cyber City, Ebène 72201
MAURITIUS

TEL No. : (230) 404 2000
TELEFAX No. : (230) 454 7630 / 7632
E-MAIL : ceb@inet.mu
WEBSITE : ceb.inet.mu
VAT Reg. No. : VAT22000591
BRN : F07000041

OUR REF:

YOUR REF: **OAB-PROD-4232- Addendum 2**

05 November 2018

Attention: All Bidders

Dear Sir/Madam,

OAB-PROD-4232: Procurement for Refurbishment Works of Amode Ibrahim Atchia (ex Réduit) Power Station

Addendum No 1

Please refer to the above bidding exercise.

Bidders are hereby informed that the Bidding Document has been amended as follows:

(i) Bill of Quantities – Bill No 1 – Preliminaries and General Items

(a) Item 1.9 now shall now read as:

“Allow for all costs of installation of a complete temporary hoisting system inclusive of validation and certification of safety of use for hoisting together with all load tests, safety signs and labels installations, erection and for use and maintenance during the whole contract period and removal and reinstatement at the end of the Contract, in the event that the Contractor does not opt to use the existing hoist system as described in Bill Item 1.21.”

(b) Item 1.44 – The quantity in the quantity column has been corrected to 9

(c) Item 1.49 - The quantity in the quantity column has been corrected to 24

(ii) Engineer’s Specification, Section 1 – Page S1-4, External Works, Item 4 shall now read as:

“Supply and install external lighting system comprising 3/3.5 m light pole with mounted luminaires with energy saving device complete with duct, pole bases and ancillary works.”

(iii) Engineer's Specification, Section 1.11 - Page S1-8, Hoisting System, last paragraph shall now read as:

"The Contractor is informed that an item in the bill of quantities has been reserved for this item (Bill Item 1.21). In the event that the Contractor chooses to install his own hoisting system, the amount stated under item 1.9 of the bill of quantities shall be applicable."

Kindly acknowledge receipt of this letter addressed to the Chairman Tender Committee at ctc@ceb.intnet.mu at latest by 08 November 2018.

Yours faithfully,



**R. Chowdharry
Supply Chain Manager**

Refurbishment Works at Amode Ibrahim Atchia (ex Reduit) Power Station

Bill of Quantities

Bill No 1 - Preliminaries and General Items

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (MUR)
	PRELIMINARIES AND GENERAL ITEMS				
	<u>Contract Guarantees</u>				
1.1	Allow for provision of the Performance Security.	Item			
1.2	Allow for provision of Advance Payment Guarantee.	Item			
	<u>Insurances</u>				
1.3	Allow for insurance of the Works, Plant, Materials Contractor's Documents and other risks.	Item			
1.4	Allow for insurance against Injury to Persons and damage to property.	Item			
1.5	Allow for insurance for Contractor's personnel, Employer, Engineer and other Consultants or persons deployed on the Works.	Item			
	<u>Site Establishment and Removal on Completion</u>				
1.6	Mobilisation on site.	Item			
1.7	Allow for the supply, erection, maintenance and removal of signboard and its disposal as per instructions of the Engineer upon completion of the Contract.	Item			
1.8	Project Temporary Power, lighting, water, sewerage and telecommunications installations.	Item			
1.9	Allow for all costs of installation of a complete temporary hoisting system inclusive of validation and certification of safety of use for hoisting together with all load tests, safety signs and labels installations, erection and for use and maintenance during the whole contract period and removal and reinstatement at the end of the Contract, in the event that the Contractor does not opt to use the existing hoist system as described in Bill Item 1.21.	Item			
1.10	Allow for all temporary access routes, crossings, crossovers or other means of gaining access to the area of works on site and for the reinstatement thereof to the satisfaction of the Engineer.	Item			
1.11	Demobilisation after completion of the works.	Item			
1.12	Allow for the clearance of site on completion.	Item			
	<u>Contractor's Facilities</u>				
1.13	Allow for supply, erection, maintenance and removal of all necessary offices, first-aid, utilities, welfare and other accommodation for the Contractor's staff and employees.	Item			
TOTAL CARRIED TO COLLECTION					

Refurbishment Works at Amode Ibrahim Atchia (ex Redit) Power Station

Bill of Quantities

Bill No 1 - Preliminaries and General Items

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (MUR)
1.14	Sanitary facilities for Contractor's workforce.	Item			
1.15	Contractor's off site facilities.	Item			
1.16	Storage facilities for materials and equipment	Item			
1.17	Personnel vehicles for the Contractor.	Item			
	<u>Employer and Consultants' Facilities</u>				
1.18	Allow for the provision of office space, survey equipment, and accessories as specified for Engineer.	Item			
1.19	Allow for the provision of all attendance, running expenses maintenance and running costs of the office space, furniture and equipment for the Engineer.	Item			
1.20	Allow for the provision of facilities to the Engineer for checking and setting out the Works, examination, testing and measuring the Works including the provision of chainmen, and assistance necessary for the carrying out of his duties in connection with the Contract.	Item			
1.21	Inspection, assessment and upgrading of existing system of winch, cable, anchorage, slings and accessories including for validation and certification of safety of use of complete hoisting system, all site testing, use and maintenance during the whole contract period and reinstatement at end of contract after use throughout the contract period.	Item			
1.22	Allow for the total cost provision of storage facilities on site for the use by the Client for storage of the Client's electrical panels from the Power Station including supply and refurbishment of 2 No 6 m long containers, painted internally and externally and fitted with safe padlocks including all works for consolidation of the bases to the containers and all assistance for loading, unloading and stacking materials within the container in the presence of the Client's representatives.	Item	Not applicable		0
	<u>Documentation and Submission</u>				
1.23	Allow for all resources required to carry out full topographical and other surveys, tests and results and submission to the Engineer before start of construction.	Item			
1.24	Prepare record drawings of the Permanent works as actually executed and provide to Employer in hard and soft copies as required.	Item			
TOTAL CARRIED TO COLLECTION					

Refurbishment Works at Amode Ibrahim Atchia (ex Redit) Power Station

Bill of Quantities

Bill No 1 - Preliminaries and General Items

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (MUR)
	<u>Temporary Works</u>				
1.41	Allow for the cost of services to be required for the execution of the works.	Item			
1.42	Allow for the support, protection and temporary diversion of existing services.	Item			
1.43	Allow for the modification or permanent diversion of existing services as directed by the Engineer.	Item			
1.44	Allow for all costs associated with the clearing and cleaning of site inclusive of removal of obstructions for the purpose of conducting the surveys and inspection and reinstatement to the satisfaction of the Engineer.	nth	9		
1.45	Allow for all costs associated with the diversion of the natural drainage paths to enable permanent works execution and reinstatement thereof to the satisfaction of the Engineer.	Item			
1.46	Allow for all costs associated with installation of temporary safety barriers, fence posts, safety nettings, rock anchors, soil nails and rockfall energy absorbing barriers and reinstatement of the surfaces, where the temporary fixtures will not form part of the permanent works, to the satisfaction of the Engineer.	Item			
	<u>Handing Over</u>				
1.47	Perform final cleaning on completion of construction.	Item			
1.48	Conduct and document final inspection, close out and hand over at completion of work as per specifications in accordance with handing over procedures.	Item			
	<u>Defects Notification Period</u>				
1.49	Allow for making good any defects or damage to the Works during the Defects Notification Period of 2 years as notified and instructed by the Engineer	nth	24		
TOTAL CARRIED TO COLLECTION					

21. Consolidation of stone walling at pumping station entrance comprising removal of dislodged stone elements, providing geotextile backing and adequate granular filling and reforming the stone masonry mortar joint using if necessary new basalt stone masonry to replace the defective stones.
22. Complete removal of concrete balustrade and part replacement by heavy-duty steel handrail inclusive of forming fixing to base at platform level.
23. Reconstruction of walkway access to pumping station comprising the reconstruction of stone masonry pillars minimum 650 mm wide below the deck level starting from the existing basalt base and casting a concrete deck platform 200 mm RC with raised edge beam (250 x 350 mm deep) with allowance for non-skid finish and drainage holes in the deck for drainage .
24. Supply and application of epoxy floor paint to concrete floor surfaces after adequate floor scrubbing and cleaning preparation.
25. Supply and install new false ceiling aluminium grille panels to utility room inclusive of supply and fixing in position false ceiling panel aluminium supports.
26. Form circular dish ground floor slab edge drain, minimum width 125 mm, sloping at 1 in 125 starting from 40 mm depth to a maximum of 125 mm at discharge outlet.
27. Supply, place, level and fix in position stainless steel support frames and chequered plate covers to existing concrete ground floor cable ducts internal size 300 x 300 mm inclusive of reforming the slopes and surfaces of the concrete duct using approved non shrink mortar inclusive of removal of existing frames and covers and all roughening and preparation of concrete surfaces to receive mortar.
28. Supply and apply three coats of approved waterproof paint in accordance with Manufacturer's instructions with a minimum warranty period of ten years.

Penstock Pipeline

1. Reconstruction of protective system to penstock pipeline inclusive of complete cover with stone masonry and consolidation of thrust block and construction of new thrust block.
2. Refurbishment works for sealing of leakages through retaining walls and consolidation of temporary drainage channel.
3. Repainting of pipeline 1.0 m diameter using three protective coats of weatherproof, anticorrosive aluminum paint

External works

1. Remove and replace defective sections of existing of pedestrian walkway and handrail from intake tower to pumping station including supplying new angle or tubular mild steel galvanized sections for reinforcing slender posts and members and for enhancing stability of the safety walkway and handrail.
2. Supply and plant in specific identified areas, particular specific species of grass, shrubs and plants either individually or in conjunction with structures for soil stabilization.
3. Construction of new Access stone pitched track road and roundabout from the access gate of masonry stones set in 150 mm mortar, with stone pitched drain located at edge of new aligned track road, with stone segments not more than 125mm thick of varying plan shapes not wider than 500 mm set in 200 mm blinding laid on well compacted 200mm well graded hardcore with grass planting in between the stone placing embedded in maximum 100 mm of turf soil.
4. Supply and install external lighting system comprising 3/3.5 m light pole with mounted luminaires with energy saving device complete with duct, pole bases and ancillary works.
5. Complete installation of HT and communication cable rerouting duct (2 No 160 and 1 No 80 mm) inclusive of draw pit construction.

1.11 Hoisting System

The Contractor shall ensure that the existing hoisting system, if the Contractor opts to use it for the works, can be utilised safely for transport of plant and equipment.

The Contractor must carry out a complete inspection and assessment of the existing hoisting system and upgrade the system to seek the relevant validation and certification of safety for use as a complete hoisting system and identify the maximum load which can be hoisted and carry out site tests for confirmation.

The Contractor is informed that an item in the bill of quantities has been reserved for this item (Bill Item 1.21). In the event that the Contractor chooses to install his own hoisting system, the amount stated under item 1.9 of the bill of quantities shall be applicable.

1.12 Environmental Pollution

The Contractor shall take all necessary precautions to protect the environment and ensure that public health and safety are not endangered.

Any damage caused to main water supply pipelines shall be immediately reported to the Central Water Authority and for internal network if should be immediately made good by the Contractor. Proper sanitation and refuse disposal shall be provided for workers and no public properties shall, in any way, be tampered during working operations.

1.13 Contractor's Superintendence

The Contractor shall ensure that the technical assistants, site agents, foreman and other employees of the Contractor employed on the site are competent in their respective job.

1.14 Setting Out

The Contractor shall employ only qualified and experienced staff to ensure that survey and setting out of the works are carried out accurately.

The Contractor's attention is drawn to his responsibility for the true and proper setting out of the works.

This Clause will apply to all the works encompassed in this Contract.

1.15 Site Levels

The existing levels of existing structures / infrastructures shall not be altered, nor the positionings while reconstruction or reinstatement of the same, unless the Engineer instructs in writing.

1.16 Levels and Datum

The Contractor shall have to carry out a full survey of the existing power station structure, including the penstock pipeline comprising of the joints and establish the actual positions with reference to a permanent bench marks.

Undertake the joint inspection and dimensional survey of the slope stabilization area of the Works for elaboration and for definition of their intervention followed by refixing to the required position based on the established survey detail.