

CEYLON ELECTRICITY BOARD SRI LANKA

INTERNATIONAL COMPETITIVE BIDDING (ICB)

BID DOCUMENT

FOR KELANITISSA GAS TURBINE PROJECT

BID NO.: CEB/KGTP/PROC/01/Re

ADDENDUM 1

June 2021

ADDENDUM NO.: 01

KELANITISSA GAS TURBINE PROJECT

BID No. CEB/KGTP/PROC/01/Re

Please incorporate the following amendments to the bidding document.

Amendment No. 01:

Section 1.2 of Volume 1: Instructions to Bidders (ITB)

Sub-clause 5.2.1 (c) shall be replaced with

The model offered should have more than 60,000 aggregate actual running hours and at least three units (03) of the offered model shall have reached 12,000 actual running hours each, only in continuous running on liquid fuel **for electricity generation**.

The model offered should have more than 60,000 aggregate actual running hours and at least three units (03) of the offered model shall have reached 12,000 actual running hours each running on RLNG for electricity generation.

Amendment No. 02:

Section 3.2 of Volume 1: Instructions to Bidders (ITB)

First two paragraphs of Form 7B shall be replaced with

Offered model should have more than 60,000 aggregate **actual** running hours and at least **three units (03)** of the same model **shall** have reached 12,000 actual running hours each, only in continuous running on liquid fuel **for electricity generation**.

The offered model should have more than 60,000 aggregate actual running hours and at least three units (03) of the offered model shall have reached 12,000 actual running hours each running on RLNG for electricity generation.

Amendment No. 03:

Section 3.2 of Volume 1: Instructions to Bidders (ITB)

Second paragraphs of Form 17 shall be replaced with

if the Contractor fails to pass the tests on above performance guarantees on or after commissioning, contract price will be reduced by such amount as stated in clause 9.4 and 12.4 of the particular conditions of the contract.

Amendment No. 04:

Section 3.2 of Volume 1: Instructions to Bidders (ITB)

Second paragraphs of Form 18B shall be replaced with

if the Contractor fails to pass the tests on performance guarantees on or after commissioning, contract price will be reduced by such amount as stated in clause 9.4 and 12.4 of the particular conditions of the contract.

Amendment No. 05:

Section 2.3 of Volume 1: Part II - Conditions of Particular Applications

Sub-clause 14.4 (B2) last paragraph shall be replaced with

The Employer shall pay foreign currency portion of any other payments due, to the Contractor from the employer within fifty-six (56) days from Statement submitted by the Contractor as part of an application for a Payment Certificate, by transferring the amount due into a bank account nominated by the Contractor, in a country named by the Contractor.

Amendment No. 06:

Section 2.2 of Volume 1: Part II - Conditions of Particular Applications

Sub-clause 14.4 (B3) first paragraph shall be replaced with

The Employer shall pay local currency portion of all payments due to the Contractor from the Employer within fifty-six (56) days from Statement submitted by the Contractor as part of an application for a payment certificate as a direct payment by a cheque from a local bank drawn in favour of the Contractor.

Amendment No. 07:

Clause 4 of Volume 2: Quality assurance, inspection and testing

Sub-clause 4.7 shall be amended as per Annex A to the addendum 01.

Amendment No. 08:

Clause 2 of Volume 3: Mechanical Specification

Table: Emission & Noise Regulations of sub-clause 2.1.2.1 shall be replaced with

Type of Pollutant	Emission Limits (At Standard Conditions)		
Type of Pollutalit	Oil (LAD)	Natural Gas (RLNG)	
Sulfur Dioxide (SO ₂)	 850 mg/Nm³ for new power plants with maximum 28kg SO₂, per day per MW subject to maximum 14 metric tons of SO₂/day for first 500MW plus 10kg SO₂ per day per MW for additional MW. Shall be controlled by fuel quality for existing power plants. 	Max. 75 mg/Nm ³	
Nitrogen Oxides (NO _X) (At 3% Reference Oxygen)	Max. 450mg/Nm ³ for gas turbine	Max. 200 mg/Nm ³	
Particulate Matter	Max. 150mg/Nm ³	Max. 75 mg/Nm ³	
Smoke	Max. 20% Opacity	-	

Amendment No. 09:

Clause 2 of Volume 3: Mechanical Specification

Last paragraph of sub-clause 2.1.5.1 shall be replaced with

The RLNG supply pressure at the site boundary will be as specified in sub-clause 3.5 Volume 2.

Amendment No. 10:

Clause 3 of Volume 3 Electrical Specification

Sub-clause 3.2.2 first paragraph second sentence shall be replaced with

The generator cooling system shall be totally enclosed air cooled or water to air cooling system filtered at the inlet and hot air outlet from the bottom of the stator casing.

Amendment No. 11:

Clause 3 of Volume 3 Electrical Specification

Sub-clause 3.2.8.3 first paragraph shall be replaced with

Excitation system for each generator shall direct control static type excitation system (ST1A dynamic model of IEEE std 421.5.2016) with high initial response (IEEE std 421. 1-2007) or equivalent system which has similar performance and functionality of static excitation system to meet the requirements specified under sub-clause 2.1 of Volume 2.

Amendment No. 12:

Clause 3 of Volume 3 Electrical Specification

Sub-clause 3.14.9 first sentence of the first paragraph shall be replaced with

Conductor sizes for cables shall be approved and shall be determined according to the maker's assigned continuous current rating for the site ambient and installed conditions, and without the voltage drop in any part of the circuit exceeding **3%** when the cable is carrying the maximum circuit current, and to withstand the prospective fault current and duration.

Amendment No. 13:

Clause 7 of Volume 3: Water Treatment Plant

The table, "Kelani River Water Quality Analysis Data 2017" under the sub-clause 7.2.3 shall be replaced with the table annexed as *Annex B* to the addendum 01.

Amendment No. 14:

Clause 7 of Volume 3: Water Treatment Plant

Sub-clause 7.2.11 second sentence of first paragraph shall be replaced with

The material of the clarifier shall be of stainless-steel Grade 316 or Fiberglass Reinforce Plastic (FRP).

Amendment No. 15:

Clause 7 of Volume 3: Water Treatment Plant

Sub-clause 7.3.4.1 (d) shall be replaced with

The demineralized water plant shall have at least two identical exchanger trains, each train capable of providing the required demineralized water consumption of the plant. As an alternative to the mixed bed iron exchange with electrodeionization (EDI) system can be proposed. Specific guaranteed data relevant to the proposed system is required to submit with the bid.

Amendment No. 16:

Annexure B of Volume 3: Fuel Specification

Table (II) Supply Gas Specification – RLNG shall be added as per Annex E to the addendum 01.

Amendment No. 17:

Annexure G of Volume 3: Site Layout

Appendix G1, G2 and G3 indicating all terminal points are annexed as *Annex C* to the addendum 01.

Amendment No. 18:

Schedule 2 of Volume 5: Price Schedule

Item 2.9 shall be replaced with

Fire Detection and Protection System (as specified in Section 06 in Volume 3)

1. Mandatory spare parts for 5 years operation

Amendment No. 19:

Schedule 5 of Volume 5: Price Schedule

Schedule 5 of Volume 5 shall be replaced with *Annex D* to the addendum 01.

Amendment No. 20:

The typographical errors found in the Bid Document has been listed in Annex F to the addendum 01.

4.7 Spares

Mandatory spares shall be included, but not limited to the spares stated below and the requirement as mentioned in mandatory spares of volume 3 for various plant and equipment, in the **Schedule 2 of Volume 5**

a) Gas Turbine

- Complete set of fuel nozzles, one complete set of fuel check valves, one flow divider, one AC fuel forwarding pump with motor, one DC fuel pump with motor, one fuel control valve and one fuel stop valve for each Gas Turbine
- One complete set of flame scanners for each Gas Turbine
- One AC lube oil pump with motor, one DC lube oil pump with motor, one AC hydraulic pump with motor and one shaft driven hydraulic pump with motor for each Gas Turbine
- One AC jacking oil pump with motor and one DC jacking oil pump with motor for each Gas Turbine for one Gas Turbine
- One AC atomizing air compressor with motor and one shaft driven atomizing air compressor for each Gas Turbine
- One repair kit and spare impeller for each type of pump
- One spare motor for each type of motor installed in GT except listed above
- One complete set of bearings for each Gas Turbine
- At least one expansion seal and one bellow from each type installed in the plant

b) Generator and Generator circuit breaker (GCB)

- One set of RTDs for generator except the RTDs installed in generator winding
- One complete set of bearings for each Generator
- A set of manufactures recommended spare parts for 5-year operations of GCB
- One synchronizer and synchro-check relay
- One set of meters, push buttons, indication lamps installed in synchronizing system
- OEM recommended mandatory spare parts of Generator, AVR and Generator
 Circuit Breaker which are not list above

c) AVR and Excitation system

- Complete AVR module
- Power rectifier bridge
- Field breaker
- Excitation transformer
- Auxiliary devises
- Firing circuit Module
- Power supply (DC-DC, AC-DC)
- Analogue input instruments (CT, VT)
- Sensing devises (Hole effect transducers, current shunt, speed pickups)
- Protection module for Rotor earth fault
- Communication modules/ports, remote control unit

d) Generator Step-up Transformer

- 03 nos. of complete set of oil level indicators.
- Additional 10% of total volume of transformer oil supplied in 200 Liter drums.
- 02 nos. of HV bushing with necessary spares (Gaskets, seals bushing oil etc;)
- 03 nos. of LV bushing with necessary spares (Gaskets, seals etc;)
- One neutral bushing with necessary spares (Gaskets, seals etc;).
- 03 nos. of dial type thermometers for oil temperature indications & 03 nos. of dial type thermometers for winding temperature indications.
- 03 nos. of Complete Radiator Fans with motor
- 01 nos. of Buchholz relay
- 03 nos. of Complete set of Gaskets
- 03 nos. of maintenance free dehydrating silica gel breathers k). 01 no. of equipment kit for operation of Buchholz relay

e) Electrical Protection System

- One unit/ stand along module (relay A or B) for Generator protection system.
- One unit/ stand along modules (relay C or D) for main transformer protection system, subjected to the condition that manufacturer offers total firmware of all protection functions, for the CEB to have full independency of replacing either C or D, with the offered spare, without intervention of manufacturer, if not manufacturer shall offer two separate units for relays C and D.
- Two units/ stand along module (relay F G, H and I) for cable protection system,
- One unit/ stand along module (relay E) for auxiliary transformer protection system.
- One miniature circuit breaker (if any) for each offered.
- In case there are manufacturer specific units/equipment such as communication modules (add on) etc., then he shall offer one such unit for each

offered.

• Additional mandatory software (if any)

f) 6 kV Circuit Breakers

- Complete set of Circuit Breaker with operating mechanism for each type and rating
- Tripping coil and closing coil 04 Nos of each type
- Two sets of interface/control modules for circuit breaker

g) DC chargers, UPS and Battery bank

- One PCB of each type installed in battery chargers and UPS systems
- One set of power thyristors, diodes installed in a battery charger and UPS system
- One DC breaker for each type installed
- Ten (10) fuses from each type and rating installed
- One AC and DC, MCB form each type and rating installed

h) Water Treatment Plant

- One from each electrical circuit breaker, RCB, MCB, MCCB, Isolator, Relay for each type installed
- At least five number of fuses for each type installed
- One set of pump spares for each type for 5 years operation
- One motor for each type
- One spare valve for each type if number of valves installed are less than 10
- Two spare valves for each type if number of valves installed are more than 10
- One spare item from each type of pressure indicators, level indicators, flow indicators, temperature gauges, level switches, pressure switches, flow switches, transmitters of each type
- PLC spares: One processor card for each type, one input and output cards for each type, one power supply card for each type, one communication card for each type, one programmed storage card, complete programming software tool installed in a new sperate Laptop computer.
- One HMI PC complete with interface cards
- All the chemicals required for 6 months operation of the water treatment plant for

Gas Turbine Plant to run at base load operation at 100% plant factor. This shall be included in schedules of Consumables in volume 5.

i) LV switchgear

Following spares parts for low voltage switchgear shall also be included in recommended spares for 5-year operation.

- Complete set of Circuit Breaker with operating mechanism for each type and rating
- One MCCB of each type with operating mechanism for each type and rating
- One or 10% spares of the installed of circuit breaker interface/control modules
- One AC and DC, MCB form each type and rating installed

j) Other systems

Recommended mandatory spare parts for following systems and equipment shall be included

- Inlet air chilling system
- Fuel Oil Treatment Plant (Recommended mandatory spare parts for 10,000 hrs of operation)
- Emergency diesel Genset / black-start Genset
- Fire detection and protection system

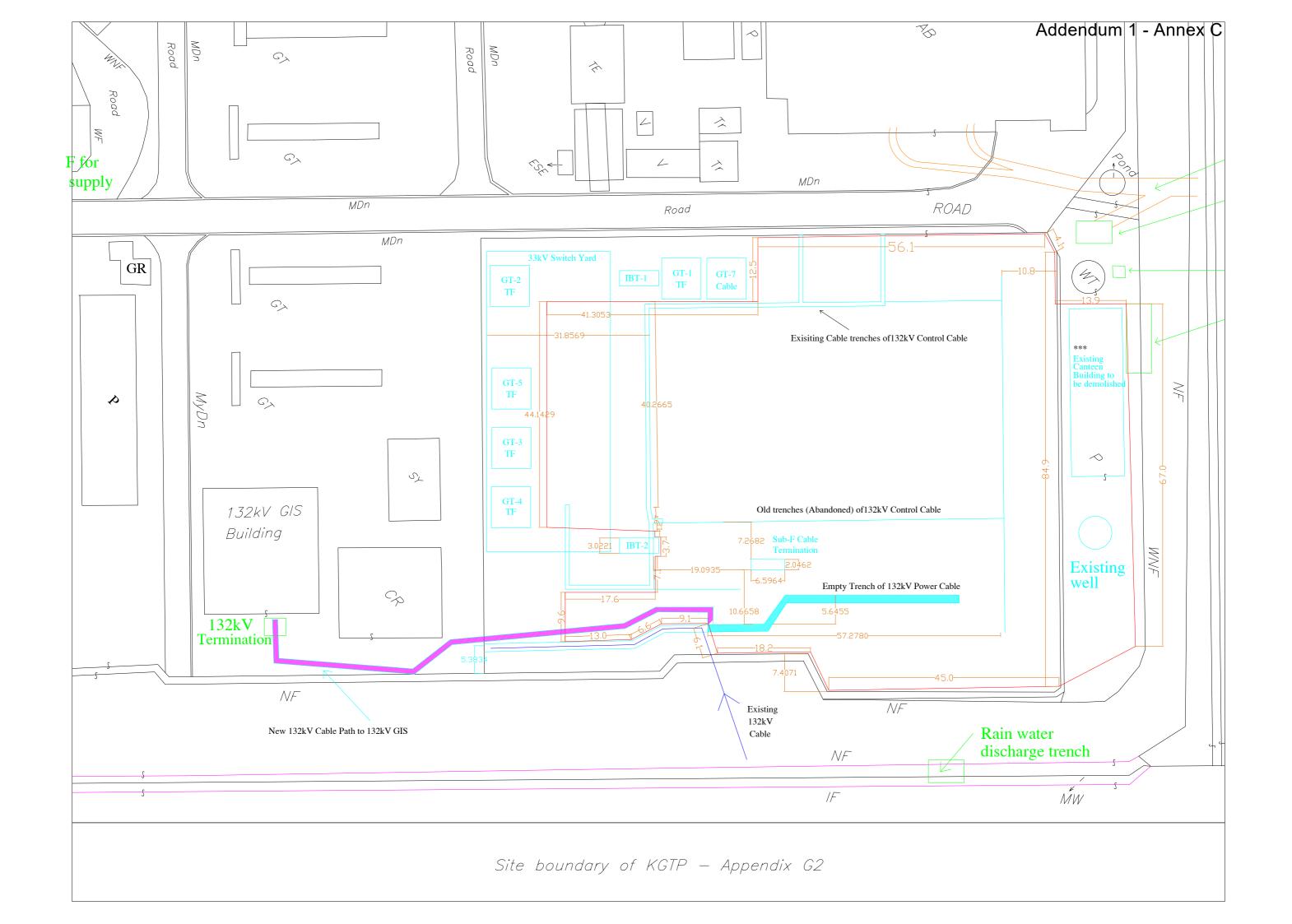
The contractor shall state the other miscellaneous equipment/materials and spares with prices in the **Schedule 5 of Volume 5** which are:

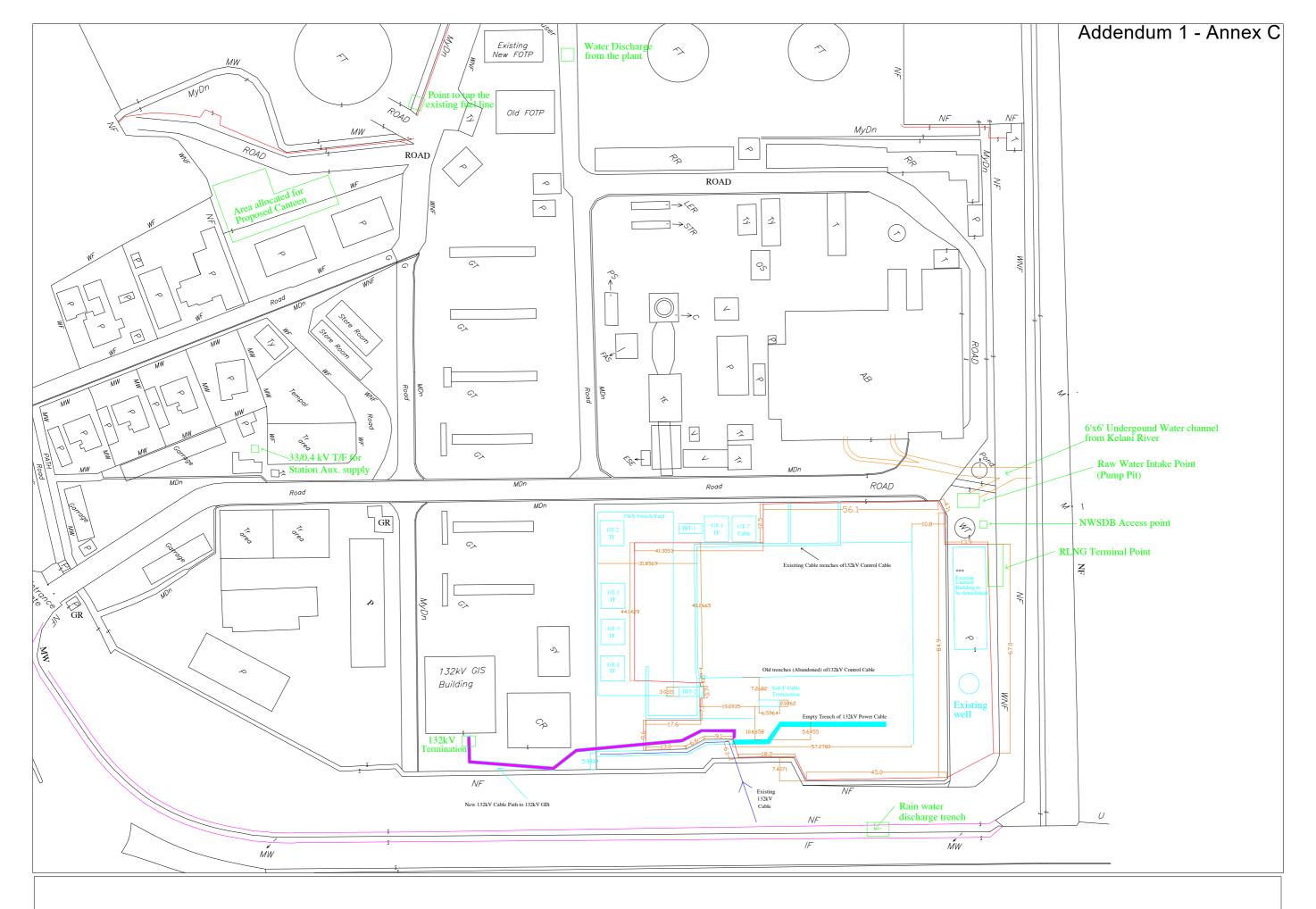
- recommended by OEM required for 05-year operation at 50% plant factor,
- First combustion inspection (CI)
- Hot gas path inspection and (HGPI)
- Major inspection of the gas turbine (MI)

Kelani River Water Quality Analysis Data 2012-2016 (Ref: Sub-clause 7.2.3 orf Volume 3)

Month	рН	Conduct. mS/cm	TURB NTU	TEMP oC	DO mg/l	COD mg/l	BOD3 mg/l	Chloride mg/l	D .Cr ppb	D.Pb ppb	NO-3 as N mg/l	PO4-3 as P mg/l	T.Coli MPN/100ml	F.Coli P/N
Jan - 2012	6.9	5.87	25	27.7	7.2	21	2	2549	<0.01	0.01	0.35	0.01	2200	1400
Feb - 2012	6.7	15.4	10	28.3	6	33	1	2399	<0.01	<0.01	0.56	<0.01	0	0
March - 2012	6.7	10.3	10	29.8	6	76	1	4099	<0.01	<0.01	0.5	0.01	0	0
April - 2012	7.6	0.05	10	27	7.7	18	4	15	<0.01	<0.01	0.46	0.01	0	0
May - 2012	6.6	5.25	18	29.8	3.3	19	7	2219	<0.01	0.01	0.05	0.23	>16000	>16000
June - 2012	6.9	0.63	10	27.9	7.8	4	3	270	<0.01	<0.01	<0.01	0.54	0	0
July - 2012	7.6	1.08	10	28.1	5.8	10	1	650	<0.01	<0.01	<0.01	0.62	2400	1300
August - 2012	7.3	0.08	27	26.9	6.6	7	<1	30	<0.01	<0.01	<0.01	0.45	0	0
Sept - 2012	6.2	1.69	15	28.4	6.7	6	1	800	0.01	<0.01	0.01	0.25	0	0
October - 2012	8.2	2.66	589	28.2	6.8	8	1	800	0.01	<0.01	0.04	0.21	340	220
Novem - 2012	8	0.07	35	26.1	7.6	4	1	12	<0.01	<0.01	0.01	0.39	9000	1700
Decem - 2012	7.2	0.51	49	27.9	6.7	7	2	50	0.01	<0.01	0.01	1.28	5000	2400
Jan - 2015	6.9	3.87	15	26.8	6.1	5	2	5	<0.01	<0.01	<0.01	0.1	3000	1300
Feb - 2015	6.9	3.5	21	27.5	5.5	9	1	1158	<0.01	<0.01	0.01	0.07	16000	5000
March - 2015	6.6	3.75	16	28	6.1	10	1	1117	<0.01	<0.01	0.01	0.16	5000	2400
April - 2015	7.3	0.06	53	27.4	7.7	2	1	1	<0.01	<0.01	0.01	0.07	16000	5000
May - 2015	6.3	0.27	17	28	6.1	8	2	19	<0.01	<0.01	<0.01	0.46	3000	340
June - 2015	6.8	0.07	21	27.4	6.7	7	1	<0.01	<0.01	4	<0.01	0.42	16000	9000
July - 2015	6.7	0.39	14	27.8	6.8	3	2	65	<0.01	<0.01	<0.01	<0.01	1400	800
August - 2015	6.4	1.87	12	28.3	6.4	11	<1	495	<0.01	<0.01	1.18	<0.01	>16000	9000
Sept - 2015	7.2	0.1	64	26.6	6	29	2	13	<0.01	<0.01	0.03	0.26	>16000	9000
October - 2015	7.1	0.24	60	27.2	5.3	11	5	46	<0.01	<0.01	0.01	0.2	>16000	9000
Novem - 2015	7.5	0.05	47	25.5	4.5	24	1	3	<0.01	<0.01	0.02	2.66	9000	220
Decem - 2015	7.5	0.05	46	25.6	5	15	3	12	<0.01	<0.01	0.53	0.16	≥16000	9000
Jan - 2016	7.3	13.8	370	28.4	3.7	23	2	2617	0.03	<0.01	0.03	0.14	>16000	16000
Feb - 2016	7.6	11.5	8	27.9	6.4	15	2	2217	<0.01	0.05	0.55	0.02	>16000	9000
March - 2016	7.4	6.75	16	30.1	5.5	88	1	1932	<0.01	<0.01	<0.01	0.03	>16000	9000
April - 2016	7.6	3.29	17	29.4	6.1	20	1	871	<0.01	<0.01	0.58	0.02	0	0
May - 2016	7.1	0.07	46	28.4	6.4	6	3	9	<0.01	<0.01	0.63	0.01	0	0
June - 2016	7.6	0.07	23	27.4	6.7	6	2	11	0.04	<0.01	0.41	0.02	0	0







Terminal Points of KGTP - Appendix G3

Schedules of Rates and Prices

Schedule No. 5 - Other miscellaneous equipment/materials and Spares as required for five (05) years operation , CI , HGPI and MI

			Unit CIF	Price at Site	Total Price				
Item	Description	Qty	Local Currency Portion without TAX (LKR)	Foreign Currency Portion ^a	Local Currency Portion without TAX (LKR)	Foreign Currency Portion			
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5			
1	recommended by OEM required for 05-year operation at 50% plant factor, First combustion inspection (CI) Hot gas path inspection and (HGPI) Major inspection of the gas turbine (MI)	3		5	6 = 3 x 4	7=3×5			
	Name of Bidder								

Specify currencies in accordance with ITB 16 as specified in Section 1.2 in Volume 01. Create additional columns for up to a maximum of three foreign currencies if so required.

Signature of Bidder

The Bidder shall enter above an individually priced list of spare parts corresponding to the requirements of Technical Specification. The Employer reserves the right to order spares at the prices given in this Schedule and to vary the quantities of individual items at his discretion.

^c The minimum time period required for the delivery of all the recommended mandatory spares from receipt of Employer's order is 12 weeks

Kelanitissa Gas Turbine Project - Bid No. CEB/PROC/KGTP/01/Re Supply Gas Specification – RLNG

Item	Specification
Water content	Less than 112 kg per million standard cubic meters
Total Sulphur including H ₂ S	Not more than 30 mg/Sm ³ expected, H ₂ S content not more than 15 mg/Sm ³
Methane	Not less than 84.0 Mol %
Ethane	Not more than 10 Mol %
Propene	Not more than 5.0 Mol %
Butane and heavier	Not more than 3.0 Mol %
Pentane and heavier	Not more than 0.25 Mol %
Nitrogen	Not more than 7 Mol %
Oxygen	Not more than 0.5 Mol %
Total Non hydrocarbon	Not more than 8.0 Mol %
Higher Heating Value (HHV)	In the range of 48 to 54 MMBtu/t
Lower Heating Value (LHV)	In the range of 43 to 49 MMBtu/t

N o	Volum e #	Sectio n #	Clause #	Bid Document Original Statement	Correction
1	1	3	Form 7B	Requirement: Offered model should have more than 60,000 aggregate running hours and at least two units of the same model have reached 12,000 actual running hours each, only in continuous running on liquid fuel. The model offered should have more than 60,000 aggregate actual running hours and at least two units of the offered model shall have reached 12,000 actual running hours each, running on RLNG	Typo error. Corrected as "Requirement: Offered model should have more than 60,000 aggregate running hours and at least three units of the same model have reached 12,000 actual running hours each, only in continuous running on liquid fuel. The model offered should have more than 60,000 aggregate actual running hours and at least three units of the offered model shall have reached 12,000 actual running hours each, running on RLNG".
2	1	1	5.2	5.1 To be qualified for award of the Contract, bidder shall offer following major equipment from manufacturers having following manufacturing and operational experience.	Clause No. Corrected as 5.2
3	1	21	21.2	In the case of first, and second copies, only photo copies of the originals will be accepted except technical brochures.	Typo error . Corrected as "In the case of first, second and third copies , only photo copies of the originals will be accepted except technical brochures".
4	1	3	Form 17/ Form18B	if the Contractor fails to pass the tests on above performance guarantees after commissioning, contract price will be reduced by such amount as stated in clause 9.4 of the particular condition of the contract.	Typo error . Corrected as "if the Contractor fails to pass the tests on above performance guarantees on or after commissioning, contract price will be reduced by such amount as stated in clause 9.4 and 12.4 of the particular condition s of the contract".
5	2	4	4.1.3 / 4.9	There copies of all order and sub-orders placed by the Contractor and Sub-Contractor, shall be submitted to the Employer for approval and all copies of sub-orders shall be marked clearly with the Main Contractor's name and the following reference:	Typo error . Corrected as " The copies of all order and suborders placed by the Contractor and Sub-Contractor, shall be submitted to the Employer for approval and all copies of suborders shall be marked clearly with the Main Contractor's name and the following reference".
6	2	1	1.1	The gas turbines shall be connected to the transmission system via three nos of 132kV GIS bays at Kelanitissa 132kV Grid Substation, by means of necessary switchgear and two step-up transformers as appropriate.	Typo Error . Corrected as "The gas turbines shall be connected to the transmission system via three nos of 132kV GIS bays at Kelanitissa 132kV Grid Substation, by means of necessary switchgear and three step-up transformers as appropriate."

7	2	1	1.1	The Plant shall be carried out in accordance with the requirements of the Contract and this Specification, which provides for the design, manufacture, factory testing, supply, delivery, off loading at site, installation & commissioning, site testing, setting to work and attending to defects, compliance with local and national consents, regulations, standards and legislation on a turnkey lump sum contract basis, including all related civil works, and such other works as the Employer may require, for the power station at the site (hereinafter referred to as — Site).	Typo Error. Corrected as "The Plant shall be carried out in accordance with the requirements of the Contract and this Specification, which provides for the design, manufacture, factory testing, supply, delivery, off loading at site, installation & commissioning, site testing, setting to work and attending to defects, compliance with local and national consents, regulations, standards and legislation on a design & build basis , including all related civil works, and such other works as the Employer may require, for the power station at the site (hereinafter referred to as — Site)".
8	3	6	6.2	Spare parts and special tools (Shall be included the cost in Schedule 3, Mandatory Spare Parts of Volume 5)	Typo Error. Sub-clause 6.2 wording Corrected as " Spare parts and special tools (Shall be included the cost in Schedule 2 of Volume 5)"
9	3	3.3	3.3.1.18 (c)	Any other mandatory tools required for the smooth operation of transformers for shall be listed separately and include in Schedule 2, Mandatory Spare Parts of Volume 5.	Typo Error . Sub-clause 3.3.1.18(c) Corrected as "Any other mandatory tools required for the smooth operation of transformers shall be listed separately and include in Schedule 3 , Special Tools of Volume 5.
10	3	2	2.1.5.1	The RLNG supply pressure at the site boundary will be 45-65 bar	Type Error. Sub-clause 2.1.5.1 of Volume 3 has Corrected as "The RLNG supply pressure at the site boundary will be as specified in Sub-clause 3.5 Volume 2."
11	3	3	3.14.9 Cable sizes	Conductor sizes for cables shall be approved and shall be determined according to the maker's assigned continuous current rating for the site ambient and installed conditions, and without the voltage drop in any part of the circuit exceeding 23% when the cable is carrying the maximum circuit current.	Typo Error. Corrected as "Conductor sizes for cables shall be approved and shall be determined according to the maker's assigned continuous current rating for the site ambient and installed conditions, and without the voltage drop in any part of the circuit exceeding 3% when the cable is carrying the maximum circuit current.".
12	3	5	2.1.9	Stack height - Depend on the emission of Sulfur Oxide (SO2) rate in kg/hour, of the fuel specified in Appendix B by the Ceylon Petroleum Corporation (CPC). The manufacturer shall provide the value of SO2 emission at 100% load steady state and determine and propose the exhaust stack according OEM's design and height shall not be less than 35m (As per Appendix D).	Typo Error. Corrected as "Stack height - Depend on the emission of Sulfur Oxide (SO2) rate in kg/hour, of the fuel specified in Appendix B by the Ceylon Petroleum Corporation (CPC). The manufacturer shall provide the value of SO2 emission at 100% load steady state and determine and propose the exhaust stack according OEM's design and height shall not be less than 38m (As per Appendix D)."

Kelanitissa Gas Turbine project Bid No.: CEB/KGTP/PROC/01/Re Corrections to the Bidding Document – Typographical Errors

13	5	Price Schedule S 1	Price Schedule 1C	Schedule No.: 1C - Design Services Unit Price	Typo Error. Heading of 6th column corrected as "Local Currency Portion without Tax (LKR)"
14	2	4	4.5.2	Contractor shall submit their training schedule for the approval of Employer before starting the training. Cost of the above training shall be included in Schedule IE, Provisional Sum in the price schedule (Volume 5).	Typo Error. Corrected as "Contractor shall submit their training schedule for the approval of Employer before starting the training. Cost of the above training shall be included in Schedule 1D , O&M Training at Manufacturers Facility in the price schedule (Volume 5)".
15	4	S	Schedule 20	Chemical storage capacity > 30 days Stock capacity for operation for 30 days	Typo error. Corrected as "Chemical storage capacity > 90 days Stock capacity for operation for 90 days".
16	5	Schedu le 2	2.9	Fire Detection and Protection System (as specified in Section 06 in Volume 3) 1 Complete System	Typo error. Corrected as "Fire Detection and Protection System (as specified in Section 06 in Volume 3) 1 Mandatory spare parts for 5 years operation"