



**CEYLON ELECTRICITY BOARD  
SRI LANKA**

**INTERNATIONAL COMPETITIVE BIDDING (ICB)**

**BID DOCUMENT**

**FOR**

**KELANITISSA GAS TURBINE PROJECT**

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

**VOLUME 5 of 5**

**April 2021**

**BID DOCUMENT  
FOR  
KELANITISSA GAS TURBINE PROJECT**

CEYLON ELECTRICITY BOARD

**Volume 5**

**PRICE SCHEDULES**

FOR  
KELANITISSA GAS TURBINE  
PROJECT

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

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Section 1. Price Schedules

Information Copy - Not for Bidding

# Section 1

## PRICE SCHEDULES

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# Price Schedules

## GENERAL

- The Price Schedules are divided into separate Schedules as follows:

Schedule 1A	Supply of Plant, Equipment and Mandatory Spare Parts Supplied from Abroad
Schedule 1B	Supply of Plant, Equipment and Mandatory Spare Parts Supplied within the Employers Country
Schedule 1C	Design Services
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Schedule 2	Mandatory Spare Parts
Schedule 3	Special Tool
Schedule 4	Consumables
Schedule 5	Other miscellaneous equipment/materials as required for successful completion of the project and five years operation
Schedule 6	Price Variations

- The Schedules do not generally give a full description of the plant to be supplied and the services to be performed under each item. Bidders shall be deemed to have read the Employer's Requirements and other sections of the Bidding Document and reviewed the Drawings to ascertain the full scope of the requirements included in each item prior to filling in the rates and prices. The entered rates and prices shall be deemed to cover the full scope as aforesaid, including overheads and profit.
- If bidders are unclear or uncertain as to the scope of any item, they shall seek clarification in accordance with ITB 7 prior to submitting their bid.

## Pricing

- Prices shall be filled in indelible ink, and any alterations necessary due to errors, etc., shall be initialed by the Bidder.

As specified in the Bid Data Sheet and Special Conditions of Contract, prices shall be

fixed and firm for the duration of the Contract, or prices shall be subject to adjustment in accordance with the corresponding Appendix (Price Adjustment) to the Contract Agreement.

5. Bid prices shall be quoted in the manner indicated and, in the currencies, specified in the Instructions to Bidders in the Bidding Document.

For each item, bidders shall complete each appropriate column in the respective Schedules, giving the price breakdown as indicated in the Schedules.

Prices given in the Schedules against each item shall be for the scope covered by that item as detailed in Volume 3 (Technical Specification) or elsewhere in the Bidding Document

Payments will be made to the Contractor in the currency or currencies indicated under each respective item.

6. When requested by the Employer for the purposes of making payments or part payments, valuing variations or evaluating claims, or for such other purposes as the Employer may reasonably require, the Contractor shall provide the Employer with a breakdown of any composite or lump sum items included in the Schedules.

Information Copy - Not for Bidding

## Schedules of Rates and Prices

### Schedule No. 1A - Supply of Plant, Equipment and Mandatory Spare Parts Supplied from Abroad

Item	Description	Country of Origin	Qty	Unit CIP Price at Site			Total Price	
				Foreign Currency <sup>a</sup>	Foreign Costs	Local Cost without TAX (in LKR)	Foreign Cost	Local Cost (in LKR)
1	2	3	4	5	6	7	8 = 4 x 6	9 = 4 x 7
<b>1A1</b>	<b>Turbine Sets</b> ( as specified in Section 02 in Volume 3 )							
1	Complete Gas Turbine unit including all auxiliaries, instrumentation, cabling, grounding, interconnection piping, air intake including air filters, inlet and exhaust silencers, online and offline coolers and compressor washing system, ducts and other ancillary equipment		3 Sets					
2	Extended Gas Turbine Exhaust GT Stacks with air craft warning system to meet the Sri Lankan environmental requirements.		3 Sets					
3	Inlet air chilling system including all the required accessories (If applicable)		3 Sets					
4	Water injection system with required modules		3 Sets					
<b>1A2</b>	<b>Generator Set</b> ( as specified in Section 03 in Volume 3 )							
1	Generators with all required auxiliaries including AC and DC jacking pumps, Coolers, ducts and pipes, IPB and grounding system etc.		3 Sets					
2	Generator switchgear for each generator with generator circuit breakers, isolators, earthing switches, CTs, PTs, surge arrestors and interlocking system etc.		3 Sets					
<b>1A3</b>	<b>Static type Excitation System with Excitation Transformer</b> ( as specified in Section 03 in Volume 3 )							
1	Complete System		3 Sets					
<b>1A4</b>	<b>MV Switchgear</b> ( as specified in Section 03 in Volume 3 )							
1	Complete System		1 Lot					
<b>1A5</b>	<b>Electrical Protection System</b> ( as specified in Section 03 in Volume 3 )							
1	Electrical control, metering and protection system including generation kWh and kVAh recording		3 Sets					
<b>1A6</b>	<b>Main Stepup Transformer , Auxiliary Transformer , Earthing Transformer and Instrument Transformers</b> ( as specified in Section 03 in Volume 3 )							
1	Generator step up transformers		3 Sets					
2	Auxiliary transformers		3 Sets					
3	Earthing transformers		3 Sets					
<b>1A7</b>	<b>400 V Switchgear and Motor Control Centers</b> ( as specified in Section 03 in Volume 3 )							
1	400V low voltage switchgear including Power centers		1 Lot					



Item	Description	Country of Origin	Qty	Unit CIP Price at Site			Total Price	
				Foreign Currency <sup>a</sup>	Foregin Costs	Local Cost without TAX (in LKR)	Foreign Cost	Local Cost (in LKR)
1	2	3	4	5	6	7	8 = 4 x 6	9 = 4 x 7
<b>1A8</b>	<b>Control Room Equipment and communication Equipment</b> ( as specified in Section 04 in Volume 3 )							
1	Interconnection to national system control Center (SCADA and Communication)		1 Lot					
2	Supply interconnection equipment and materials for synchronizing with the grid		1 Lot					
3	Distributed control system including required Central Control Room equipment including furniture		1 Lot					
4	Gas turbine exhaust analysers and integrated realtime continuous monitoring system		1 Lot					
<b>1A9</b>	<b>Each Diesel Generator Set (Blackstart/Emergency) and its Auxiliaries</b> ( as specified in Section 02 in Volume 3 )							
1	Black Start / Emergency Diesel Generator/s		1 Lot					
<b>1A10</b>	<b>All Cabling and Earthing</b> ( as specified in Section 03 & 04 in Volume 3 )							
1	132kV XLPE underground cables with terminations in both ends including interconnection at 132kV GIS		1 Lot					
2	MV cables including terminations		1 Lot					
3	600/1000V LV cables with all accessories		1 Lot					
4	Control cables		1 Lot					
5	Electrical Earthing system		1 Lot					
<b>1A11</b>	<b>Metering and DC System</b> ( as specified in Section 03 & 04 in Volume 3 )							
1	Complete DC system including battery banks, chargers, switchgears, cables etc.		1 Lot					
2	DC distribution board, switchgears, cables etc.		1 Lot					
3	UPS, Invertors with switchgear and cables etc.		1 Lot					
<b>1A12</b>	<b>Fuel System</b> ( as specified in Section 02 in Volume 3 )							
1	Complete System		1 Lot					
2	LAD Liquid Fuel Oil Treatment Plant (FOTP) with sufficient capacity							
3	LNG Pressure regulator/ Compressure to match the LNG pressure at the boundary to the required pressure.							
<b>1A13</b>	<b>Lubricating Oil Storage, Treatment and Transfer System</b> ( as specified in Section 02 in Volume 3 )							
1	Complete System		1 Lot					
<b>1A14</b>	<b>Air Conditioning / Ventilation Equipment</b> ( as specified in Section 02 in Volume 3 )							
1	Complete System		1 Lot					

Item	Description	Country of Origin	Qty	Unit CIP Price at Site			Total Price	
				Foreign Currency <sup>a</sup>	Foreign Costs	Local Cost without TAX (in LKR)	Foreign Cost	Local Cost (in LKR)
1	2	3	4	5	6	7	8 = 4 x 6	9 = 4 x 7
<b>1A15</b>	<b>Compressed Station Air System</b> ( as specified in Section 02 in Volume 3 ) 1 Complete System		1 Lot					
<b>1A16</b>	<b>Power Station Buildings, including Building Services &amp; Small power/lighting</b> ( as specified in Section 03 & 04 in Volume 3 ) 1 Complete System		1 Lot					
<b>1A17</b>	<b>Fire Protection System</b> ( as specified in Section 06 in Volume 3 ) 1 Fire hydrant system, fire detection and alarm system		1 Lot					
<b>1A18</b>	<b>Water Treatment System</b> ( as specified in Section 07 in Volume 3 ) 1 Water treatment plant including all the required tanks, pipes, pumps, electrical system, instruments and control system		1 Lot					
<b>1A19</b>	<b>Mandatory Spare Parts , Consumables and Tools</b> 1 Mandatory spares in Schedule No 02 2 Special tools and special lifting and handling appliances in Schedule No 03 3 Consumable specified in Schedule No 04		1 Lot 1 Lot 1 Lot					
<b>TOTAL</b> Column 8 & 9 to be carried forward to Colum 4 and 5 respectively on Schedule No. 1F- Grand Summary of Price under Item No 01								

Name of Bidder

Signature of Bidder

<sup>a</sup> 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.

## Schedules of Rates and Prices

### Schedule No. 1B - Supply of Plant, Equipment and Mandatory Spare Parts Supplied within the Employers Country

Item	Description	Qty	Price (LKR) at site without Taxes	
			Unit Price	Total Price
1	2	3	4	5 = 3 x 4
1B1	<b>Turbine Sets</b> ( as specified in Section 02 in Volume 3 )			
	1 Complete Gas Turbine unit including all auxiliaries, instrumentation, cabling, grounding, interconnection piping, air intake including air filters, inlet and exhaust silencers, online and offline coolers and compressor washing system, ducts and other ancillary equipment	3 Sets		
	2 Extended Gas Turbine Exhaust GT Stacks with air craft warning system to meet the Sri Lankan environmental requirements.	3 Sets		
	3 Inlet air chilling system including all the required accessories (If applicable)	3 Sets		
	4 Water injection system with required modules	3 Sets		
1B2	<b>Generator Set</b> ( as specified in Section 03 in Volume 3 )			
	1 Generators with all required auxiliaries including AC and DC jacking pumps, Coolers, ducts and pipes, IPB and grounding system etc.	3 Sets		
	2 Generator switchgear for each generator with generator circuit breakers, isolators, earthing switches, CTs, PTs, surge arrestors and interlocking system etc.	3 Sets		
1B3	<b>Static type Excitation System with Excitation Transformer</b> ( as specified in Section 03 in Volume 3 )			
	1 Complete System	3 Sets		
1B4	<b>MV Switchgear</b> ( as specified in Section 03 in Volume 3 )			
	1 Complete System	1 Lot		
1B5	<b>Electrical Protection System</b> ( as specified in Section 03 in Volume 3 )			
	1 Electrical control, metering and protection system including generation kWh and kVAh recording	3 Sets		
1B6	<b>Main Stepup Transformer , Auxiliary Transformer , Earthing Transformer and Instrument Transformers</b> ( as specified in Section 03 in Volume 3 )			
	1 Generator step up transformers	3 Sets		
	2 Auxiliary transformers	3 Sets		
	3 Earthing transformers	3 Sets		
1B7	<b>400 V Switchgear and Motor Control Centers</b> ( as specified in Section 03 in Volume 3 )			
	1 400V low voltage switchgear including Power centers	1 Lot		

Item	Description	Qty	Price (LKR) at site without Taxes	
			Unit Price	Total Price
1	2	3	4	5 = 3 x 4
<b>1B8</b>	<b>Control Room Equipment and communication Equipment</b> ( as specified in Section 04 in Volume 3 )			
	1 Interconnection to national system control Center (SCADA and Communication)	1 Lot		
	2 Supply interconnection equipment and materials for synchronizing with the grid	1 Lot		
	3 Distributed control system including required Central Control Room equipment including furniture	1 Lot		
	4 Gas turbine exhaust analysers and integrated realtime continuous monitoring system	1 Lot		
<b>1B9</b>	<b>Each Diesel Generator Set (Blackstart/Emergency) and its Auxiliaries</b> ( as specified in Section 02 in Volume 3 )			
	1 Black Start / Emergency Diesel Generator/s	1 Lot		
<b>1B10</b>	<b>All Cabling and Earthing</b> ( as specified in Section 03 & 04 in Volume 3 )			
	1 132kV XLPE underground cables with terminations in both ends including interconnection at 132kV GIS	1 Lot		
	2 MV cables including terminations	1 Lot		
	3 600/1000V LV cables with all accessories	1 Lot		
	4 Control cables	1 Lot		
	5 Electrical Earthing system	1 Lot		
<b>1B11</b>	<b>Metering and DC System</b> ( as specified in Section 03 & 04 in Volume 3 )			
	1 Complete DC system including battery banks, chargers, switchgears, cables etc.	1 Lot		
	2 DC distribution board, switchgears, cables etc.	1 Lot		
	3 UPS, Invertors with switchgear and cables etc.	1 Lot		
<b>1B12</b>	<b>Fuel System</b> ( as specified in Section 02 in Volume 3 )			
	1 Complete System	1 Lot		
	2 LAD Liquid Fuel Oil Treatment Plant (FOTP) with sufficient capacity	1 Lot		
	3 LNG Pressure regulator/ Compressure to match the LNG pressure at the boundary to the required pressure.	1 Lot		
<b>1B13</b>	<b>Lubricating Oil Storage, Treatment and Transfer System</b> ( as specified in Section 02 in Volume 3 )			
	1 Complete System	1 Lot		
<b>1B14</b>	<b>Air Conditioning / Ventilation Equipment</b> ( as specified in Section 02 in Volume 3 )			
	1 Complete System	1 Lot		

Item	Description	Qty	Price (LKR) at site without Taxes	
			Unit Price	Total Price
1	2	3	4	5 = 3 x 4
1B15	<b>Compressed Station Air System</b> ( as specified in Section 02 in Volume 3 ) 1 Complete System	1 Lot		
1B16	<b>Power Station Buildings, including Building Services &amp; Small power lighting</b> ( as specified in Section 03 & 04 in Volume 3 ) 1 Complete System	1 Lot		
1B17	<b>Fire Protection System</b> ( as specified in Section 06 in Volume 3 ) 1 Fire hydrant system, fire detection and alarm system	1 Lot		
1B18	<b>Water Treatment System</b> ( as specified in Section 07 in Volume 3 ) 1 Water treatment plant including all the required tanks, pipes, pumps, electrical system, instruments and control system	1 Lot		
1B19	<b>Mandatory Spare Parts , Consumables and Tools</b> 1 Mandatory spares in Schedule No 02 2 Special tools and special lifting and handling appliances in Schedule No 03 3 Consumable specified in Schedule No 04	1 Lot 1 Lot 1 Lot		
<b>TOTAL Column 5 to be carried forward to Column 4 and 5 respectively on Schedule No. 1F- Grand Summary of Price under Item No 02</b>				

Name of Bidder \_\_\_\_\_

Signature of Bidder \_\_\_\_\_

- a 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.

## Schedules of Rates and Prices

### Schedule No. 1C - Design Services

Item	Description	Qty	Unit Price		Total Price	
			Local Currency Portion without TAX (LKR)	Foreign Currency Portion <sup>a</sup>	Local Currency Portion without cost (LKR)	Foreign Currency Portion
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
1C1	<b>Mechanical Works</b> ( as specified in Section 02 , 06 & 07 in Volume 3 )					
	1 Design and Liaison of Mechanical Works	1 Lot				
	2 Drawings and Documentation required for the Mechanical works	1 Lot				
1C2	<b>Electrical Works</b> ( as specified in Section 03 & 04 in Volume 3 )					
	1 Design and Liaison of Electrical Works	1 Lot				
	2 Drawings and Documentation required for the Electrical works	1 Lot				
1C3	<b>Civil Works</b> ( as specified in Section 05 in Volume 3 )					
	1 Design and Liaison of Civil Works	1 Lot				
	2 Drawings and Documentation required for the Civil works	1 Lot				
	3 Cloud based document & Drawing management system	1 Lot				
<b>TOTAL</b> Column 6 & 7 to be carried forward to Colum 4 and 5 respectively on Schedule No. 1F- Grand Summary of Price under Item No 03						

Name of Bidder \_\_\_\_\_  
Signature of Bidder \_\_\_\_\_

<sup>a</sup> 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.

## Schedules of Rates and Prices

### Schedule No. 1D - Civil Engineering Works, Installation, Commissioning Work and Other Services

Item	Description	Qty	Unit Price		Total Price	
			Local Currency Portion without TAX (LKR)	Foreign Currency Portion <sup>a</sup>	Local Currency Portion without TAX (LKR)	Foreign Currency Portion
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
1D1	<b>Gas Turbine Generating Units Complete with auxiliary equipment including stacks, interconnecting to existing fuel supply system</b> ( as specified in Section 2,3,4,6 & 7 in Volume 3 )  1 Complete work	1 Lot				
1D2	<b>Extended Gas Turbine Exhaust GT Stacks with air craft warning system to meet the Sri Lankan environmental requirements</b> ( as specified in Clause 2.19- Section 02 in Volume 3 )  1 Complete work	1 Lot				
1D3	<b>Transformers, Switchgears, Electrical protection system and other electrical equipment and materials</b> ( as specified in Section 3,4 & 6 in Volume 3 )  1 Complete work	1 Lot				
1D4	<b>132kV cables and interconnection between Power plant and 132kV GIS</b> ( as specified in Section 03 in Volume 3 )  1 Complete work	1 Lot				
1D5	<b>Inlet chilling system complete with all the auxiliary systems (If applicable)</b> ( as specified in Section 02 in Volume 3 )  1 Complete Work	1 Lot				
1D6	<b>DC System</b> ( as specified in Section 03 in Volume 3 )  1 Complete Work	1 Lot				
1D7	<b>Earthing system</b> ( as specified in Section 03 in Volume 3 )  1 Complete Work	1 Lot				
1D8	<b>Lightening Protection System</b> ( as specified in Section 03 in Volume 3 )  1 Complete Work	1 Lot				
1D9	<b>Interconnection to national system control Center (SCADA and Communication)</b> ( as specified in Section 04 in Volume 3 )  1 Complete Work	1 Lot				
1D10	<b>Water treatment plant including water intake and intake pumps</b> ( as specified in Section 07 in Volume 3 )  1 Complete Work	1 Lot				
1D11	<b>EOT Cranes and other lifting devices</b> ( as specified in Section 02 in Volume 3 )  1 EOT Crane (If applicable) 2 Cranes, Hoists and lifting devices	1 Lot 1 Lot				
1D12	<b>Firefighting system</b> ( as specified in Section 06 in Volume 3 )  1 Complete Work	1 Lot				

Item	Description	Qty	Unit Price		Total Price	
			Local Currency Portion without TAX (LKR)	Foreign Currency Portion <sup>a</sup>	Local Currency Portion without TAX (LKR)	Foreign Currency Portion
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
1D13	<b>Emergency/Black Start Diesel Generator</b> ( as specified in Section 02 & 03 in Volume 3 ) 1 Complete Work	1 Lot				
1D14	<b>Distributed Control System</b> ( as specified in Section 04 in Volume 3 ) 1 Complete Work	1 Lot				
1D15	<b>LV system</b> ( as specified in Section 03 in Volume 3 ) 1 Complete Work	1 Lot				
1D16	<b>Lighting and Small Power System</b> ( as specified in Section 03 in Volume 3 ) 1 Complete Work	1 Lot				
1D17	<b>Service &amp; Warranty Engineer</b> ( as specified in Section 04 in Volume 2 ) 1 Service Engineers service for 1 year	1 Lot				
1D18	<b>Any other equipment/system (If any and not mentioned above)</b> 1 Complete Work	1 Lot				
1D19	<b>Preliminary work</b> ( as specified in Section 05 in Volume 3 ) 1 Site Survey 2 Sub Soil investigation	1 Lot 1 Lot				
1D20	<b>Site Clearing</b> ( as specified in Section 05 in Volume 3 ) 1 Complete Work	1 Lot				
1D21	<b>Demolition work, Removal of debris and Backfilling</b> ( as specified in Section 05 in Volume 3 ) 1 Complete Work	1 Lot				
1D22	<b>Site formation &amp; up keeping</b> ( as specified in Section 05 in Volume 3 ) 1 Excavation 2 Soil filling and compaction 3 Earth retaining structures or similar improvement 4 Embankments or similar improvement 5 Soil Anti-termites treatment	1 Lot 1 Lot 1 Lot 1 Lot 1 Lot				
1D23	<b>Access roads</b> ( as specified in Section 05 in Volume 3 ) 1 Complete Work	1 Lot				
1D24	<b>Foundations</b> ( as specified in Section 05 in Volume 3 ) 1 Power house and Machine 2 Exhaust stacks 3 Fin fan cooler 4 EDG/Black start Generator building 5 Canteen building 6 Water treatment plant 7 Transformer bay, Switchgear room, Fuel pump house, Fire pump house and any other foundations 8 Water supply, waste water and sewerage drainage system 9 Surface water drainage system	1 Lot 3 Lot 1 Lot 1 Lot 1 Lot 1 Lot 1 Lot 1 Lot 1 Lot				



Item	Description	Qty	Unit Price		Total Price	
			Local Currency Portion without TAX (LKR)	Foreign Currency Portion <sup>a</sup>	Local Currency Portion without TAX (LKR)	Foreign Currency Portion
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
	10 Cable and pipe trenches	1 Lot				
	11 Construction of Control Buildings and other structures	1 Lot				
	12 Any other (Please Specify)	1 Lot				
<b>1D25</b>	<b>Temporary Site Staff Office</b>					
	1 Complete Work	1 Lot				
<b>1D26</b>	<b>Exhaust stacks, EDG compartment, Black start Generator compartment, Transformer bay, Switchgear room, Fuel pump house, Fire pump house, Permanent washrooms, Washroom facilities for workers and any other structures</b>					
	1 Temporary site works	1 Lot				
	2 Air conditioning & ventilation system	1 Lot				
	3 Other miscellaneous work	1 Lot				
	4 Emergency / Black start Generator compartment	1 Lot				
	5 Transformer bay	1 Lot				
	6 Switchgear room	1 Lot				
	7 Fuel pump house	1 Lot				
	8 Fire pump house	1 Lot				
	9 Washroom facilities for workers	1 Lot				
<b>1D27</b>	<b>Temporary site works</b>					
	1 Complete Work	1 Lot				
<b>1D28</b>	<b>Air conditioning &amp; ventilation system</b>					
	1 Complete Work	1 Lot				
<b>1D29</b>	<b>Canteen building / Car Park</b> (as specified in clause 5.2.3.3 of Section 05 in Volume 3 )					
	1 Complete Work	1 Lot				
<b>1D30</b>	<b>Training</b> (as specified in clause 4.2.1 and 4.5.3 of Section 04 in Volume 2 )					
	1 Complete Work - Local Training with familiarization	1 Lot				
	(as specified in Clause 4.5.2 Section 04 in Volume 2)					
	2 O & M Training at Manufacture's facility	1 Lot				
<b>TOTAL</b> Column 6 & 7 to be carried forward to Column 4 and 5 respectively on Schedule No. 1F- Grand Summary of Price under Item No 04						

Name of Bidder \_\_\_\_\_  
 Signature of Bidder \_\_\_\_\_

<sup>a</sup> 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.

## Schedules of Rates and Prices

### Schedule No. 1E - Provisional Sums

Item	Description	Total Price	
		Local Currency Portion without TAX (LKR)	Foreign Currency <sup>a</sup>
1	2	4	5
1E1	<b>Miscellaneous equipment/materials as required for two years operation , CI , HGPI and MI</b>  1 2 year operation at 50% plant factor 2 For CI 3 For HGPI 4 For MI		
<b>TOTAL</b> Colum 4 and 5 to be carried forward to Colum 4 and 5 respectively on Schedule No. 1F- Grand Summary of Price under Item No 05			

Name of Bidder \_\_\_\_\_

Signature of Bidder \_\_\_\_\_

<sup>a</sup> Specify currencies in accordance with ITB 15.b oas specified in Section 02 in Volume 01. Create additional columns for up to a maximum of three foreign currencies if so required.

## Schedules of Rates and Prices

### Schedule No. 1F - Grand Summary of Prices

Item	Schedule No	Description	Total Price	
			Local Currency Portion without TAX (LKR)	Foreign Currency Portion <sup>a</sup>
1	2	3	4	5
1	1A	Supply of Plant, equipment and Mandatory Spare Parts supplied from Abroad		
2	1B	Supply of Plant, equipment and Mandatory Spare Parts supplied within the Employers Country		
3	1C	Design Services		
4	1D	Civil Engineering Works, Installation and commissioning work and Other services		
5	1E	Provisional Sums		
<b>1F - GRAND TOTAL to be carried forward to Letter of Price Bid</b>				

Name of Bidder \_\_\_\_\_

Signature of Bidder \_\_\_\_\_

- <sup>a</sup> Specify currencies in accordance with ITB 15.b as specified in Section 02 in Volume 01. Create additional columns for up to a maximum of three foreign currencies if so required.

## Schedules of Rates and Prices

### Schedule No. 2 - Mandatory Spare Parts

Item	Description	Qty	Unit CIP Price at Site		Total Price	
			Local Currency Portion without TAX (LKR)	Foreign Currency Portion	Local Currency Portion without TAX (LKR)	Foreign Currency Portion
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
2.1.	<b>GAS Turbine</b> ( as specified in Section 02 in Volume 3 )					
	1 One complete set of fuel nozzles for one GT	1 Lot				
	2 One complete set of fuel check valves for one GT	1 Lot				
	3 One Flow divider for one GT	1 Unit				
	4 One completer AC fuel forwarding pump with motor	1 Unit				
	5 One completer DC fuel forwarding pump with motor	1 Unit				
	6 One fuel Control valve for one GT	1 Unit				
	7 One fuel stop valve for one GT	1 Unit				
	8 One complete set of flame scanners for one GT	1 Lot				
	9 One AC lube oil pump with motor	1 Unit				
	10 One DC lube oil pump with motor	1 Unit				
	11 One hydraulic pump with motor for one GT	1 Unit				
	12 One shaft driven hydraulic pump for one GT	1 Unit				
	13 AC and DC jacking oil pumps for one GT and Generator	1 Lot				
	14 Atomizing air compressor with motor	1 Unit				
	15 Shaft driven Atomizing air compressor	1 Unit				
	16 One repair kit and spare impeller for each type of pump (Provide a list of pumps)	1 Unit				
	17 One spare motor of each type installed in GT except listed above ((Provide a list of motors)	1 Unit				
	18 One complete set of bearing for one GAS turbine	1 Lot				
	19 One complete set of bearings for one generator	1 Lot				
	20 One expansion seals and bellows from each type (Provide a list)	1 Lot				
2.2	<b>Generator and AVR</b> ( as specified in Section 03 in Volume 3 )					
	1 Control, interface cards and power module card of each type (Provide a list)	1 Lot				
	2 Power rectifier bridge	1 Unit				
	3 Field breaker	1 Unit				
	4 Firing circuit module	1 Unit				
	5 completer set of 6kV circuit breaker with operating mechanism for each type and rating	1 Lot				
	6 4 Nos of tripping and closing coils of each type for 6kV CB	4 Nos				
	7 Two sets of interface/control modules for 6kV CB	2 Set				
	8 At least one or 30%, which ever the highest of the auxiliary relays, Timer relays each type installed	1 Lot				
	9 One set of RTDs required for one generator	1 Lot				
	10 Two complete sets of carbon brushes for generator	1 Lot				
	11 One synchronizer	1 Nos				
	12 One synchro check relay	1 Nos				
	13 One set of meters, push buttons and indication lamps for synchronizing system of one GT	1 Lot				
2.3	<b>Generator Transformer</b> ( as specified in Section 03 in Volume 3 )					
	1 Complete radiator fan with motor	3 Nos				
	2 Buchholz relay	1 Nos				
	3 Dial type thermometers for oil and winding temperature indication	2 Nos				
	4 HV bushing with necessary spares	2 Nos				
	5 LV bushing with necessary spares	2 Nos				
	6 Neutral bushing with necessary spares	2 Nos				
	7 Complete set of oil level indicators	2 Nos				
	8 Complete set of gaskets	3 set				
	9 Maintenance free dehydrating silica gel breather	3 nos				
2.4	<b>Electrical Protection System</b> ( as specified in Section 03 in Volume 3 )					
	1 All spares listed in Technical Specification	1 Lot				

<p><b>2.5 DC Chargers, UPS and battery bank, DC distribution system</b> ( as specified in Section 03 in Volume 3 )</p> <p>1 One PCB of each type installed in battery chargers and UPS system (Provide the list)</p> <p>2 One set of power thyristors, Diodes installed in a battery charger and a UPS</p> <p>3 One DC breaker of each type installed</p> <p>4 10 Nos of fuses of each type and rating installed (Provide the list).</p> <p>5 1 MCB of each type installed</p> <p>6 At least one or 30%, whichever the highest of the auxiliary relays, Timer relays of each type installed</p>	<p>1 Lot</p> <p>1 Lot</p> <p>1 Lot</p> <p>1 Lot</p> <p>1 Lot</p> <p>1 Lot</p>				
<p><b>2.6 Motors</b> ( as specified in Section 03 in Volume 3 )</p> <p>1 400V or 230V motor of each type installed (Provide the list)</p>	<p>1 Lot</p>				
<p><b>2.7 LV Switchgears</b> ( as specified in Section 03 in Volume 3 )</p> <p>1 One LV breaker of each type and rating used</p> <p>2 One MCCB of each type and rating installed.</p> <p>3 One MCB of each type and rating installed</p> <p>4 At least one or 30%, whichever the highest of the auxiliary relays, Timer relays each type installed in the LV panels.</p>	<p>1 Lot</p> <p>1 Lot</p> <p>1 Lot</p> <p>1 Lot</p>				
<p><b>2.8 Instrumentation and Control</b> ( as specified in Section 03 &amp; 04 in Volume 3 )</p> <p>1 All spares listed Technical Specification</p>	<p>1 Lot</p>				
<p><b>2.9 Fire Detection and Protection System</b> ( as specified in Section 06 in Volume 3 )</p> <p>1 Complete System</p>	<p>1 Lot</p>				
<p><b>2.10 Water Treatment Plant</b> ( as specified in Section 07 in Volume 3 )</p> <p>1 One Dosing pump of each type installed</p> <p>2 All spares listed Technical Specification</p>	<p>1 Lot</p> <p>1 Lot</p>				
<p><b>2.11 Fuel Oil Treatment Plant</b> ( as specified in Section 02 in Volume 3 )</p> <p>1 Mandatory spare for 10,000 hrs operation</p>	<p>1 Lot</p>				
<p><b>Total of Columns 6 to be carried forward to Columns 4 on Item No.1B19.1 of Schedule No. 1B - Supply of Plant,Equipment and Mandatory Spare Parts Supplied within the Employers</b></p>					
<p><b>Total of Columns 7 to be carried forward to Columns 6 on Item No.1A19.1 of Schedule No. 1A - Supply of Plant,Equipment and Mandatory Spare Parts Supplied from Abroad</b></p>					

Name of Bidder \_\_\_\_\_  
Signature of Bidder \_\_\_\_\_

a 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.

b 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. If required bidder may attach additional table conforming to the below format for Mandatory spares

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

### Schedules of Rates and Prices

#### Schedule No. 3 - Special Tool

Item	Description	Qty	Unit CIP Price at Site		Total Price	
			Local Currency Portion without TAX (LKR)	Foreign Currency Portion <sup>a</sup>	Local Currency Portion without TAX (LKR)	Foreign Currency Portion
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
3.1	<b>Special mechanical tools including software programming tools as required for maintenance of all mechanical equipment to be supplied under this contract including purpose built stand or cradle to support the rotor and equipment required for removal and re-installation of the gas turbine rotor and generator rotor</b> ( as specified in Section 02 & 04 in Volume 3 ) 1 Complete Set	1 Set				
3.2	<b>Special tools including software programming tools as required for maintenance of all control equipment to be supplied under this contract</b> ( as specified in Section 04 in Volume 3 ) 1 Complete Set	1 Set				
3.3	<b>Special tools as required for maintenance of all electrical equipment to be supplied under this contract</b> ( as specified in Section 03 in Volume 3 ) 1 Complete Set	1 Set				
3.4	<b>Protection Relay testing special devices such with connecting plugs including software programming tools</b> ( as specified in Section 03 in Volume 3 ) 1 Complete Set	1 Set				
3.5	<b>Special tools required for maintenance of inlet chilling system</b> ( as specified in Section 02 in Volume 3 ) 1 Complete Set	1 Set				
<b>Total of Columns 6 to be carried forward to Columns 4 on Item No.1B19.2 of Schedule No. 1B - Supply of Plant,Equipment and Mandatory Spare Parts Supplied within the Employers</b>						
<b>Total of Columns 7 to be carried forward to Columns 6 on Item No.1A19.2 of Schedule No. 1A - Supply of Plant,Equipment and Mandatory Spare Parts Supplied from Abroad</b>						

Name of Bidder \_\_\_\_\_  
 Signature of Bidder \_\_\_\_\_

- <sup>a</sup> 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.
- <sup>b</sup> 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. If required bidder may attach additional table conforming to the below format for Mandatory spares
- <sup>c</sup> The minimum time period required for the delivery of all the recommended mandatory spares from receipt of Employer 's order is 12 weeks

## Schedules of Rates and Prices

### Schedule No. 4 - Consumables

Item	Description	Qty		Unit CIP Price at Site		Total Price	
				Local Currency Portion without TAX (LKR)	Foreign Currency Portion <sup>a</sup>	Local Currency Portion without TAX (LKR)	Foreign Currency Portion
1	2	3		4	5	6 = 3 x 4	7 = 3 x 5
4.1.	<b>One set of fuel filters for each gas turbine</b> ( as specified in Section 02 in Volume 3 ) 1 Complete set	10	set				
4.2.	<b>One set of air filters for one gas turbine</b> ( as specified in Section 02 in Volume 3 ) 1 Complete set	1	set				
4.3.	<b>One set of lube oil filters for each gas turbine</b> ( as specified in Section 02 in Volume 3 ) 1 Complete set	10	set				
4.4.	<b>Turbine Lubrication Oil</b> ( as specified in Section 02 in Volume 3 ) 1 Quantity	1,000	Lts				
4.5.	<b>Water Treatment Plant</b> ( as specified in Section 07 in Volume 3 ) 1 All chemical and other consumables required for 6 months operation	1	Lot				
4.6.	<b>Fuel Oil Treatment Plant</b> ( as specified in Section 02 in Volume 3 ) 1 Oil/air filter, Lubricant and other consumables required for 6 months operation	1	Lot				
Total of Columns 6 to be carried forward to Columns 4 on Item No.1B19.3 of Schedule No. 1B - Supply of Plant,Equipment and Mandatory Spare Parts Supplied within the Employers							
Total of Columns 7 to be carried forward to Columns 6 on Item No.1A19.3 of Schedule No. 1A - Supply of Plant,Equipment and Mandatory Spare Parts Supplied from Abroad							

Name of Bidder  
Signature of Bidder

<sup>a</sup> 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.

<sup>b</sup> 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. If required bidder may attach additional table conforming to the below format for Mandatory spares

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

### 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**

Item	Description	Qty	Unit CIP Price at Site		Total Price	
			Local Currency Portion without TAX (LKR)	Foreign Currency Portion <sup>a</sup>	Local Currency Portion without TAX (LKR)	Foreign Currency Portion
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
Total of Columns 6 to be carried forward to Columns 4 on Item No.1E3 of Schedule No. 1E - Provisional Sums						
Total of Columns 7 to be carried forward to Columns 5 on Item No.1E3 of Schedule No. 1E - Provisional Sums						

Name of Bidder \_\_\_\_\_  
 Signature of Bidder \_\_\_\_\_

- <sup>a</sup> 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.
- <sup>b</sup> 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. If required bidder may attach additional table conforming to the below format for Mandatory spares
- <sup>c</sup> The minimum time period required for the delivery of all the recommended mandatory spares from receipt of Employer 's order is 12 weeks



## Schedules of Rates and Prices

### Schedule No. 6 - Price Variations

Item	Description	Local Currency Portion without TAX (LKR)	Foreign Currency Portion <sup>b</sup>
1	2	3	4
<b>6.1</b> Local Staff <sup>a</sup> 1 Skilled 2 Semi Skilled 3 Unskilled 4 Approved Welder  <b>6.2</b> Foreign Staff <sup>a</sup> 1 Service Engineer Daily Rate inclusive of Subsistence 2 Supervisor Daily Rate inclusive of Subsistence 3 Skilled worker Daily Rate inclusive of Subsistence 4 Travel Cost per visit			

Name of Bidder \_\_\_\_\_

Signature of Bidder \_\_\_\_\_

*Daily rates for extra works, carried out by the Contractor's and Sub Contractor's staff on site Inclusive of overhead charges*

*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.*