

Disposal of **GE LM6000PC Combined Cycle Power Generation Assets comprising of Gas Turbines, HRSGs, Steam Turbines and Associated Power Plant Assets & Inventory from **Korangi Combined Cycle Power Plant (KCCPP)**, Karachi, Pakistan**

Tender Reference:
KEDISP/RFPKCCPP/26-27



Offer Document

Tender Reference Number: KEDISP/RFPKCCPP/26-27

SAP ARIBA Event Name: KEDISP-RFP-KCCPP-26 27

Dated: October 7, 2026

Subject: Disposal of GE LM6000PC Gas Turbines and other Material of Korangi Combined Cycle Power Plant (KCCPP) on "AS IS WHERE IS" BASIS

Introduction

K-Electric Limited ("KE"), Pakistan's vertically integrated power utility, invites participation in the bidding event for the acquisition of utility-scale power generation assets and inventory on an "As Is, Where Is" basis. The offering comprises of four GE LM6000PC Gas Turbines having a capacity of 48.4 MW (ISO) each, two HRSGs with a capacity of 120 tons per hour each, and two condensing-type steam turbines with capacities of 26 MW (ISO) and 27 MW (ISO), respectively, manufactured by General Electric-Thermodyne, along with associated Balance of Plant (BOP) equipment and inventory.

This disposal presents a unique opportunity for Independent Power Producers (IPPs), utilities, industrial operators, EPC contractors, asset investors and equipment dealers to acquire proven power generation equipment from an established utility environment.

Material is offered on the terms and conditions stipulated in this offer document and as such, only such offers are acceptable which conform to these terms.

1. General Terms & Conditions

- a) KE intends to dispose off the materials as mentioned in Annexure A ("*Material*") by selling it to the bidder for collection, removal and disposal of Materials from site, on a non-exclusive basis, in accordance with the terms and conditions set out in this Offer Document.
- b) This document is issued for offering the sale of the disposal Material as per detailed particulars, terms and conditions stipulated therein. Lot summary is available in *Annexure A*.
- c) The Material offered for disposal is strictly on "**AS IS & WHERE IS**" basis. KE makes no representations whether express or implied as to merchantable quality, fitness for purpose or otherwise and hereby excludes without limitation all implied terms and conditions contained in the Sale of Goods Act, 1930 or any other applicable law. Technical specifications and information relating to the power plant are set out in *Annexure B*, subject to at all times to Clause 1(f) below.
- d) By submitting a bid, the bidder shall be deemed to have inspected, or to have had the opportunity to inspect, the Material offered for disposal and irrevocably accepts the same on an "**AS IS, WHERE IS**" basis. The bidder shall not raise any objection, claim, or dispute regarding the nature, quality, quantity, condition, fitness, or suitability of the Material after submission of its bid.

- e) In the event if the bidder requests any further information relating to the GE LM6000PC Gas Turbines and other Material of KCCPP, the Bidder shall execute the non-disclosure agreement ("**NDA**") with KE.
- f) The specifications, capacities, ratings, and other technical information relating to the Material are based on KE's available records and are provided for reference purposes only. Bidders may carry out necessary inspection to their satisfaction, prior to submission of their bids.
- g) The successful bidder will be required to make the balance payment in full as per the Letter of Acceptance ("**LoA**") before the lifting of Material.
- h) Notwithstanding the estimated quantity stated herein, KE reserves the right, at its sole discretion and without assigning any reason, to reduce, withdraw, or revise the quantity offered for disposal, in whole or in part, at any time prior to issuance of LoA. The successful bidder shall have no claim whatsoever against KE arising out of any such reduction, withdrawal, or revision in quantity.
- i) Validity of the Offer: The offer price must be valid for at least 180 days from the date of bid deadline ("**Bid Validity Period**"). The Bidder shall, upon written request of KE, extend the Bid Validity Period of its offer for such further period as may be required by KE, provided that such extension shall not exceed 90 days or any longer period as mutually decided between the parties.
- j) The successful bidder shall, at its own cost, obtain and maintain adequate insurance coverage in connection with the collection, loading, transportation, handling, and disposal of the subject Material. Such insurance shall cover all third-party claims for any and all damage or injury arising out of or in connection with the collection, handling, transportation, or disposal of the subject Material. The successful bidder shall provide satisfactory evidence of such insurance coverage to KE prior to the commencement of the disposal activities.
- k) An agreement for the disposal of Material shall be executed between KE and the Successful Bidder for carrying out the disposal as envisaged in this Offer Document ("**Disposal Agreement**"). A sample form of such Disposal Agreement is attached hereto as *Annexure D*. The said Disposal Agreement shall be finalized and executed between KE and the Successful Bidder following award of the contract.
- l) In case the Successful Bidder exports or otherwise re-exports, transfers or disposes of the Material outside Pakistan, the Successful Bidder shall comply with all applicable export control, re-export control, customs and sanctions laws and regulations, including those of Pakistan, the country of destination and, the export control laws and regulations of the United States of America. The Successful Bidder shall not export, re-export, transfer, trans-ship or divert the Material to any prohibited country, person, entity, end-user or end-use, or where any license or authorization is required, unless the same has first been duly obtained. The Successful Bidder shall be solely responsible for ensuring such compliance.
- m) KE reserves the absolute right, at its sole discretion and without assigning any reason, to accept or reject any bid or any part of it or to cancel the bidding process at any stage. The bidder shall have no right to initiate any litigation, arbitration, claim, or other legal proceedings against KE arising out of or in connection with the acceptance or rejection of any bid or the cancellation of the bidding process, and shall indemnify and hold KE harmless against any losses, costs, or liabilities arising from any breach of the terms and conditions of this Offer Document.

2. Lots inspection

- a) Lots inspection can be done as per below schedule only, upon production of offer document and a valid original CNIC / identification document. Lot Inspection timings will be from 09:00 am to 03:00 pm (PST) except Saturday, Sunday & public holidays (if any).

Location	Inspection and bidding dates	Inspection Timings
Korangi Combined Cycle Power Plant (KCCPP), Korangi Creek Road Karachi, Pakistan	Monday 12th October 2026 – Friday 6th November 2026	09:00 am to 03:00 pm except Saturday, Sunday & public holidays

- b) Prospective bidders may only be allowed to visit the plant subject to prior scheduling with KE nominated officials and compliance with site security , safety rules and HSEQ requirements.

3. Bid Submission

3.1 For Participation through SAP ARIBA

- a) For participation in the ARIBA E-Bidding event, bidders are required to register in SAP ARIBA (if not already registered) via the official website of KE or using the below link.

Link: [K-Electric ARIBA Registration](#)

(Refer to the “ARIBA Bidder Self-Registration Process” guide attached with the tender pack)

- b) Accordingly, bids shall be submitted for each lot or multiple lots on SAP ARIBA through the SAP ARIBA event KEDISP-RFP-KCCPP-26 27. Prospective bidders may contact the designated KE representative(s) listed in this document to obtain the relevant SAP ARIBA event invitation link for online bid submission.

3.2 For Participation through Manual Bid Submission

- a) Bidders may alternatively submit their bids through sealed hardcopy by duly completing and signing Appendix 1 (“**Bid Submission Form**”) separately available in the tender pack. The bid price for each lot shall be clearly quoted in Pakistani Rupees (PKR) in the space provided in the Bid Submission Form. Bidders may submit bids for one, multiple, or all lots. Incomplete, unclear, or conditional bids may be rejected at KE's sole discretion.
- b) Each filled page of the Bid Submission Form(s) shall be signed and stamped by an authorized representative of the bidder. Submission of a bid shall constitute the bidder's unconditional acknowledgement and acceptance of all terms, conditions, requirements and provisions contained in the Offer Document.

3.3 Earnest Money Submission

- a) Bidders are also required to submit earnest money along with the bids which will be equal to:
- For local bidders: 10% of the total “quoted” Base Price or PKR 100 million (per lot), *whichever is lower*, exclusive of all applicable taxes, in favor of KE, in the shape of pay order / bank guarantee (in a format acceptable to KE). The pay order / bank guarantee shall remain valid throughout the Bid Validity Period and for at least thirty (30) days thereafter. Please note that for lot number 5, earnest money is fixed at \$10,000,000/- (ten million US dollars) (or equivalent in PKR at the time of bid submission) with a separate pay order / bank guarantee.

- ii. For foreign bidders: 10% of the total “quoted” Base Price or PKR 100 million (per lot), *whichever is lower*, exclusive of all applicable taxes, in favor of KE, in the shape of bank guarantee only (in a format acceptable to KE) which shall remain valid throughout the Bid Validity Period and for at least thirty (30) days thereafter, issued in favor of KE and routed through the designated receiving bank, namely Habib Bank Limited (HBL). Please note that for lot number 5, earnest money is fixed at \$10,000,000/- (ten million US dollars) (or equivalent in PKR at the time of bid submission) with a separate bank guarantee.
- b) Offers without/short earnest money deposit shall not be considered and will be liable to rejection. Earnest money will be returned to unsuccessful bidders without any interest or markup.
- c) In the event the Bid Validity Period is extended upon KE’s request, the Bidder shall correspondingly extend the validity of the bank guarantee or issue a new bank guarantee for the extended Bid Validity Period and for at least thirty (30) days thereafter. (Note: Cash Deposit Receipt or cheque as a form of payment is not accepted). KE reserves the right to forfeit or encash the earnest money for any failure by the Bidder to fulfil its obligations under this Offer Document. Further, offers without/short earnest money deposit shall not be considered and will be liable to rejection. Earnest money will be returned to unsuccessful bidders without any interest or markup.

3.4 Bid Submission deadline:

- a) The bids are to be submitted by the deadline of 6th November 2026 by 05:00 PM PST (“Bid Submission Deadline”) and the offer price quoted by the bidder shall be considered exclusive of all taxes. Accordingly, bids may be submitted via SAP ARIBA or sealed hardcopy submission.
- b) For SAP ARIBA bid submission, bidders are required to attach proof of Earnest Money instrument in SAP ARIBA during bid submission for each event separately. Post completion of Bid Submission Deadline, the prospective bidders will be required to submit the earnest money instrument on the below location by 13th November 2026.
“General Manager Disposal, Procurement Department, 1st Floor, Block J, Elandar Road Powerhouse Complex, Karachi – Pakistan”.
- c) For Manual Bid Submission, the complete documents including duly filled Bid Submission Form and Earnest Money instrument(s) shall be submitted in a sealed envelope clearly marked with the Tender Reference Number and bidder's name and deposited at the below location on or before the prescribed Bid Submission Deadline.
“General Manager Disposal, Procurement Department, 1st Floor, Block J, Elandar Road Powerhouse Complex, Karachi – Pakistan”.

4. Lot award and payments

- a) The successful bidders will be informed after due approval from the management and completion of the process. After management approval, contract will be awarded to the successful bidder and Letter of Acceptance (s) (“LoA”) shall be issued to the successful bidder for submission of balance payment within the specified time.
- b) Within three working days of an award of a contract, the successful bidder shall also be required to submit a Security Deposit (“**Security Deposit**”) equivalent to 5% (five percent) of the total awarded bid value of each lot excluding applicable taxes, in the form of a pay order or an unconditional and irrevocable Bank Guarantee issued in favor of KE by a scheduled bank and in a format acceptable to KE, for local parties *and* an unconditional and irrevocable Bank Guarantee issued in favor of KE by a scheduled bank and in a format acceptable to KE, routed through the designated receiving bank, namely Habib Bank Limited (HBL), for foreign parties.

The Security Deposit shall remain valid throughout the term of the Disposal Agreement and for thirty (30) days after its termination or expiry. If the term of the Agreement is extended by the parties, the successful bidder shall correspondingly extend the validity of the Security Deposit to cover the extended term and thirty (30) days thereafter. The extended or replacement instrument shall be furnished to KE before the existing instrument expires.

- c) KE shall have the right to wholly or partially forfeit, encash, and/or appropriate the Security Deposit without prejudice to any other rights or remedies available under law or under this offer document in the event of any failure by the successful bidder to comply with its obligations under this offer document, including but not limited to non-payment, delayed payment, failure to lift Material within stipulated timelines, breach of any terms and conditions, violation of applicable safety, environmental, statutory or regulatory requirements, or causing any loss, damage, or liability to KE due to negligence, misconduct, or non-compliance. The Security Deposit shall be released without any mark-up or interest only after satisfactory completion of all obligations by the successful bidder and after confirmation from KE that no dues, claims, penalties, damages, or liabilities remain outstanding.
- d) Any extension in payment submission time will be subject to a penalty of 1-month KIBOR + 2.5% p.a. on per day basis of Base Price OR PKR 50,000 per day (whichever is greater) per lot, upto a maximum of 10 days. However, upon expiry of such late payment penalty time, KE reserves the right to forfeit the entire lot and complete amount of earnest money and/or security deposit (*'Base Price' is the final accepted bid amount for a lot excluding all applicable taxes*).
- e) All balance payments must be made along with applicable sales tax at the rate of 18% of bid price plus 4% further sales tax applicable to non-registered bidders only and 10% advance income tax for active tax payer / 20% advance income tax for inactive tax payer (of gross value including sales tax under per Section 236A of the Income Tax Ordinance, 2001). For clarity, following would be calculation for illustrative purposes. Rates shall be applied as per the latest applicable rates as per law.

Description	Active Taxpayer (PKR)	Inactive Taxpayer (PKR)
<i>Bid Price</i>	100	100
<i>Sales Tax</i>	18	18
<i>Further sales tax (un-registered person/inactive taxpayer)</i>	00	04
<i>Total Value excluding the amount of advance income tax</i>	118	122
<i>Advance Income Tax under section 236A of ITO, 2001</i>	11.8	24.4
<i>Gross Value</i>	129.8	146.4

- f) The above payment shall be made through online payments only, in favor of KE as per bank details mentioned below:

Account Title	K-Electric Limited
Bank Name	Standard Chartered Bank
Account#	PKR - 08-1251317-36
IBAN#	PK53SCBL0000008125131736
SWIFT Code	SCBLPKKX
Branch Code	0071
NTN#	1543137-1
Location	Main Branch, I.I. Chundrigar Road, Karachi - Pakistan

- g) For the avoidance of doubt, all applicable government taxes shall be borne by the successful bidder. Any changes in taxes, duties, or levies whether federal or provincial due to change in legislation before the process is

completed, shall also be borne by the successful bidder to entire exclusion of KE. If changes are enacted during execution of a tender, such changes in the taxes shall be applicable till the date of issuance of Sales Cum Release Order (“RO”). Taxes shall be calculated at the time of issuance of LoA as per FBR tax status of the successful bidder.

If tax rates are changed after issuance of LoA but before issuance of RO, the revised rates shall be applicable accordingly and the successful bidder will be liable to pay the additional taxes.

- h) Upon receipt and successful realization of payment, the successful bidder shall be issued the RO for lifting of Materials from the designated locations. Delivery intimation and minimum quantity to be lifted will be made via email or any other means deemed fit for record purpose.

5. Delivery of material

- a) The Material is to be lifted within the working days specified in the RO. In the event of having failed to collect the Material either in full or PART thereof, penalty in lieu of storage charges 1 month KIBOR + 2.5% p.a. on per day basis of Base Price OR PKR 50,000 per day per lot, whichever is greater upto a maximum of ten (10) days shall be charged to the successful bidder until such time the site is cleared to the satisfaction of KE. (*‘Base price’ is the final accepted bid amount excluding all applicable taxes*).

However, upon expiry of such time (10 days), if the Material for disposal, for any reason is not collected and removed by the successful bidder from the KE premises, then KE reserves the right to forfeit the remaining lot amount, and shall be at liberty to dispose of the relevant Material as it deems fit without reference or notice to the successful bidder. No money received from the successful bidder will be refunded by KE and KE reserves the right to demand storage charges for the remaining lot.

- b) RO for all multiple lots won by each successful bidder may be issued at once, and as such the successful bidder will be expected to lift all lots within the specified timeframe. The successful bidder must ensure that a well-planned lifting schedule in advance is executed, taking into account available resources and manpower for lifting of the lots. Failure to adhere to this timeframe may result in penalty as per clause 6(a) of this document.
- c) For the avoidance of doubt, all expenses incurred in connection with utilities and resources required for execution of works, including but not limited to electricity, compressed air, water (generator, compressor etc.), deploying labor/personnel, skilled operators for handling Material, lifting, removal, loading, weighing and transportation of respective lot Material shall be borne by the successful bidder.
- d) Presentation of RO at the time of collection of the Material from site is the responsibility of the bidder.
- e) The bidder will dismantle the Material in accordance with the method statement including applicable rigging plan, risk assessment and utility isolation verification plan/strategy, which must be submitted by the successful bidder prior to commencement of work.
- f) In the event that the actual delivered quantity is less than the declared quantity, KE shall, at its sole discretion, either make available the remaining quantity for lifting or refund to the successful bidder a proportionate amount corresponding to the undelivered quantity, without any mark-up or interest, after expiry of the term of the Disposal Agreement to be entered into between KE and the Successful Bidder.

- g) Any bidder participating in the bidding process under this Offer Document expressly acknowledges that KE reserves the right to reject OR accept any or all the offers or any part thereof without assigning any reason thereof and as such, the seller is not bound to accept the highest bid.
- h) Person(s) duly authorized by the successful bidder through valid authority letter shall only be allowed to lift the Material/take the delivery from KE premises.
- i) Conditions imposed by the parties interested in purchasing the Material offered for disposal shall not be considered. The Material is offered as per KE terms and conditions stipulated in this document.
- j) The successful bidder shall not be entitled to resell any lot or part of a lot while the goods are still lying within the premises of KE.
- k) All information/data provided by any bidder shall be complete, accurate and true. All bidders shall provide valid and complete postal addresses and official email address along with other details for correspondence. KE shall not be responsible in case of any wrong or incomplete information provided by any bidder in this regard.
- l) Each company or individual participating in the bidding process shall submit, on its original letterhead, the name of its owner (where applicable) and duly authorized representative. Failure to do so may result in disqualification from the bidding process. Any change in the authorized representative during or after the bidding process shall be promptly notified to KE through a written intimation on the bidder's original letterhead and official company email.
- m) Obtaining the security permission and security clearance from KE Security department for the entry of successful bidder's personnel shall be the responsibility of successful bidder. Required documents will be submitted by successful bidder well in advance for issuance of temporary gate passes.
- n) KE reserves the right to take appropriate legal and disciplinary actions in the event of any non-compliance by the successful bidder, or any of its employees, personnel, labour, representatives, agents, subcontractors, or any other persons engaged by or acting on its behalf with the terms and conditions specified in this offer document.
- o) KE reserves the right to obtain any documents and data, as may be required, from the bidder for verification purposes at any time during bidding process.
- p) KE reserves the right to amend these terms and conditions of the Offer Document at any time prior to execution of the Disposal Agreement with the successful bidder. Any changes will be communicated on a timely basis to all relevant parties.
- q) Only the bidders participating in the disposal process may submit any grievances or complaints relating to the disposal process, which shall be addressed to complaints.disposal@ke.com.pk. Complaints submitted by any other person or entity shall not be entertained.
- r) KE reserves the right to unload the vehicles for inspection purpose at any time during the lifting process. If it is suspected at any time that the successful bidder has loaded the Material(s) for which he is not the purchaser or if the purchaser is found to carry excess Material than that mentioned in the documents, KE has the right to detain the loaded vehicle, unload the goods at the risk, cost & expenses of the successful bidder & terminate the sale forthwith and forfeit the sales value & claim such further losses and damages that maybe caused to KE.

- s) The successful bidder shall be solely responsible for any loss, damage, or injury caused to KE's property, personnel, or any third party, including bidder's own property or personnel, arising out of or in connection with the removal, lifting, handling, or transportation of the items. The successful bidder shall, at its own cost, promptly repair, restore, or compensate for such loss or damage to the satisfaction of KE. KE reserves the right to recover from the successful bidder any costs, expenses, losses, or liabilities incurred by it in excess of any amounts paid towards the restoration of such damage or injury.

6. General Safety and Work Guidelines

- a) All safety regulations shall be followed by the successful bidder in removing the Material from KE premises. All personnel engaged by the successful bidder shall strictly observe KE's safety rules, regulations, and site-specific requirements applicable to the delivery location. The detailed safety guidelines are set forth in *Annexure C*.
- b) The successful bidder shall ensure all safety measures implemented during execution of work and shall provide all necessary personal protection equipment (PPE) to its personnel (including gloves, goggles, mask, apron, safety shoes, wrist cover, ear plugs etc.) & certified machinery and equipment (i.e. crane lifter, loaders, trucks etc.) by carrying out the work at KE premises. Any damages to any existing work or property or person at KE premises caused by non-compliance of safety regulations by the successful bidder shall be made good by the successful bidder at their own cost to the entire exclusion of KE.
- c) The successful bidder shall ensure that the off-take of the Material is done in a safe and timely manner fulfilling any and all conditions under the applicable laws.
- d) In case of the work-related injury or death of any person(s) at KE premises, which is attributable to the actions and/or negligence of the successful bidder, successful bidder will compensate the legal heirs of the deceased in accordance with law and provide the copy of compensation proof and settlement agreement executed with the legal heirs of the deceased as evidence to KE, for fulfilling the regulatory requirements as well.
- e) The successful bidder shall be permitted to work in a maximum of one shift per day, which may be extended up to sunset, if required. Subject to prior intimation and approval from KE, work on Saturdays and Sundays and public holidays may be permitted. Night shift work shall not be permitted.
- f) The successful bidder shall be responsible to arrange the residence for its staff, outside KE premises, at its own cost.
- g) Notwithstanding the above, the successful bidder shall ensure compliance of all applicable labor laws and shall completely indemnify KE against any and all claims including third-party claims arising out of and/or in relation to any arrangements or activities being undertaken by the successful bidder and/or its personnel for the disposal of Material from the premises.

7. Contacts for Correspondence

In case of any further information regarding site visits and scheduling, bidding process, commercial and technical clarities or any other details, the following personnel may be contacted between Monday to Friday, 9:00 am – 3.00 pm PST (except public holidays, if any).

Name	Location	Contact number	Email
Muhammad Ali Qazi	Procurement Department, 1st Floor, Block J, Elandar Road Powerhouse Complex, Karachi, Pakistan	+92-321-2193791	ali.qazi@ke.com.pk
Mir Shaheer Ali Agha		+92-340-3890193	shaheer.ali@ke.com.pk
Maira Tanwri		+92-346-3321291	maira.tanwri@ke.com.pk

-----End of Document-----

Annexures

Annexure A (Lot Summary)

For complete list of lots and details, please refer Annexure 1A and 1B attached with the tender pack

Lot Nos.	Description	Lot Nos.	Description
1	Package of Gas Turbine 1	29	Gas Receiving Station
2	Package of Gas Turbine 2	30	Instrument Air Compressors
3	Package of Gas Turbine 3	31	Emergency Diesel Generators
4	Package of Gas Turbine 4	32	Common Cooling water system
5	Gas Turbine Engines	33	DCS System
6	Engine Container	34	Firefighting Foam System
7	Maintenance Dolly	35	Chiller Package Spares
8	Special Tools (GT + Generator)	36	Chiller Sea Water Pumps Spares
9	Special Tools Steam Turbine	37	Common Cooling Water System Spares
10	Heat Recovery Steam Generator Package 1	38	DC/UPS System Spares
11	Heat Recovery Steam Generator Package 2	39	DCS System Spares
12	Steam Turbine Package 1	40	Emergency Diesel Generators Spares
13	Steam Turbine 1 Cooling water System	41	Field Instrumentation
14	Steam Turbine Package 2	42	Fuel Gas Compressor Spares
15	Steam Turbine 2 Cooling water System	43	Gas Turbine Package Spares
16	Chiller Package 1	44	Heat Recovery Steam Generator 1 Package Spares
17	Chiller Package 2	45	Heat Recovery Steam Generator 2 Package Spares
18	Chiller Package 3	46	Instrument Air Compressor Spares
19	Chiller Package 4	47	Lubes and Chemicals
20	Chiller Sea Water Pumps	48	MV and LV Switchgear Spares
21	RO Plant (50 m3/hr) Package 1	49	RO Plant 1 Package Spares
22	RO Plant (30 m3/hr) Package 2	50	RO Plant 2 Package Spares
23	Transformers	51	Steam Turbine 1 Cooling Water System Spares
24	11.5KV Switchgear	52	Steam Turbine 2 Cooling Water System Spares
25	6.6KV Switchgear	53	Steam Turbine 1 Package Spares
26	0.4KV Switchgear	54	Steam Turbine 2 Package Spares
27	DC/UPS System	55	Transformer Spares
28	Fuel Gas Compressors		

Annexure B (Details of Power Plant)

Lots 1-4 –Packages of Gas Turbines: Packages of GE LM6000 PC Sprint gas turbines, each comprising a 64.5 MVA, 11.5 kV Meidensha synchronous generator, reduction gearbox and complete mechanical, electrical, control, and auxiliary systems, complete in all respect except the gas turbine engines. The gas turbine engines are accounted in Lot number 5.

GAS TURBINE GENRATORS				
Parameter	GT 1	GT 2	GT 3	GT 4
Manufacturer, Country	Meidensha, Japan	Meidensha, Japan	Meidensha, Japan	Meidensha, Japan
Year of Manufacture	2005	2005	2006	2006
Type/Model	EK-AFT / 800LL04	EK-AFT / 800LL04	EK-AFT / 800LL04	EK-AFT / 800LL04
Serial Number	1A6220RJ1	1A6221RJ1	1A6222 RJ1	1A6223 RJ1
Rating, MVA	64.5			
Voltage/Frequency/Power Factor	11.5kV/50 Hz/0.85			
Speed, rpm	3000			
Insulation Class	F	F	F	F
Excitation Type	Brushless DC Excitation (PMG)	Brushless DC Excitation (PMG)	Brushless DC Excitation (PMG)	Brushless DC Excitation (PMG)
Protection	Beckwith Electric M-3425A	Beckwith Electric M-3425A	Beckwith Electric M-3425A	Beckwith Electric M-3425A
Cooling -Stator winding -Stator Core -Rotor	Air Cooled (All)	Air Cooled (All)	Air Cooled (All)	Air Cooled (All)
Type of Fire Protection -- Turbine -- Generator	CO2 Suppression	CO2 Suppression	CO2 Suppression	CO2 Suppression

Lot 5 – Gas Turbine Engines: LM6000PC Sprint gas turbine engines (Quantity : 5)

GAS TURBINE LM6000 PC SPRINT	
Parameter	Unit Numbers
	GT-1 to 4 & Spare Engine
Manufacturer, country	General Electric USA
Type/Model	LM 6000 PC sprint
Speed	3627
Rated Capacity (ISO Rating)	48.408 MW (Gross)
Serial Numbers	191-570, 592, 596, 602, 830
Air Filtration, Type	Static
Compressor Stages	05 LP,14 HP
Turbine Stages	02 HP, 05 LP
Compressor Pressure Ratio	01:30
Combustor, type and number	Single Annular Combustor
Fuel	Natural Gas /Liquid Fuel
Fuel Gas / Fuel Oil inlet Pr.	46 bar
Exhaust Gas Temperature, OC	450-460

Lot 6 – Engine Container: Container for LM6000PC GT engine storage and transportation (Quantity: 1)

Lot 7 – Maintenance Dolly: Maintenance dolly for LM6000PC GT engine (Quantity: 1)

Lot 8 – Special Tools (GT & Generator): Special tools for LM6000PC gas turbines and Meidensha generators (Quantity: 1)

Lot 9 – Special Tools (Steam Turbine): Special tools for GE Thermodyn steam turbines & generators (Quantity: 1)

Lots 10-11 – HRSG Packages: Dual-pressure HRSGs manufactured in Europe, rated at 122 - 123 TPH complete with drums, pumps, dampers, tanks, controls, and auxiliaries.

HEAT RECOVERY STEAM GENERATOR PACKAGES		
Parameter	HRSG 1	HRSG 2
Manufacturer	Istroenergo Group, A.S. (IEG), Slovakia	METKA Metal Construction, Greece
Country of Manufacture	Slovakia	Greece
Year	2013	2007
Type/Model	HRSG of vertical type, double pressure	
Capacity, tons/hr.	HP steam: 57 bar(a) / 408°C / 92 tph; LP steam: 7 bar(a) / 242°C / 31 tph	HP steam: 57 bar(a) / 408°C / 91 tph; LP steam: 7 bar(a) / 242°C / 30.6 tph
Heat source	Exhaust Gas from GT-1/2	Exhaust Gas from GT-3/4
HP Steam pressure, Barg	57	57
HP Steam temperature, °C	408	408
HP Steam flow, t/h	92.15	91.3
LP Steam pressure, Barg	7	7
LP Steam temperature, °C	242	242
LP Steam Flow, t/h	31.14	30.6

Lot 12 – Steam Turbine Package 1: 27.5 MW GE Thermodyne condensing steam turbine package with 35.75 MVA generator, condenser, gearbox, controls, and auxiliaries.

Lot 14 – Steam Turbine Package 2: 26.5 MW GE Thermodyne condensing steam turbine package with 33.125 MVA generator, condenser, gearbox, controls, and auxiliaries.

STEAM TURBINE PACKAGES		
Parameter	ST 1	ST 2
Manufacturer	GE Thermodyn, France	
Year	2013	2007
Model	GE Thermodyne “MC” series	
Type	Impulse-type Multivalve Condensing	
Stages	09	09
Rating	27 MW	26 MW
Speed	4727	4457
HP Steam pressure, bara	54	54
HP Steam temperature, °C	404.1	404.7
HP Steam Flow, tph	91.8	91.030
LP Steam Flow, tph	29	28.080
Exhaust Steam Cooling	Water Cooled Condenser	Water Cooled Condenser
LP Steam inlet pressure, bara	6	6
LP Steam inlet temperature, °C	238.8	240
Control System, Make & Type	PAC Systems™ RX3i (GE Fanuc)	PAC Systems™ RX3i (GE Fanuc)

Type & Specs of Lube Oil	Mineral Oil Total Preslia 46	Mineral Oil Total Preslia 46
Type & Specs of Control Oil	Equizis ZS-32, Total	Equizis ZS-32, Total
STEAM TURBINE GENERATOR		
Parameter	STG 1	STG 2
Manufacturer	GE, UK	Brush, Holland
Year of Manufacture	2014	2007
Model	Frame A183H4	DG185ZP-04
Rating MVA	35.750	33.125
Voltage, Kv	11.0	11.0
Speed, rpm	1500	1500
Frequency, Hz	50	50
Power Factor	0.80	0.80
Insulation Class	F	F
Protection	G60 Protection Relay	G60 Protection Relay
Cooling Medium	Air	Air
Excitation Type	Brushless DC Excitation (PMG)	Brushless DC Excitation (PMG)
Cooling Stator winding Stator Core, Rotor	IC8A1W7 (Air Cooled, Via Water Cooler)	IC8A1W7 (Air Cooled, Via Water Cooler)
STEAM TURBINE CONDENSER		
Parameter	Unit #1	Unit # 2
Manufacturer	CAMPI FERRERA	GEA
Type	SHELL TUBE TYPE	SHEEL TUBE TYPE
Year of manufacture	2013-2014	2017
Material of Tubes	A 516 Gr. 70+titanium 4mm	SA 516 Gr 70 + Cladd 3 mm CuNi
Cooling	Sea Water	Sea Water
Cleaning	Ball Cleaning system, automatic	Ball Cleaning system, automatic

Lot 13 – Steam Turbine 1 Cooling Water System: Cooling water system including open cooling pumps, closed cooling pumps, heat exchangers, Bernoulli filters, condenser cooling pumps, and associated auxiliaries.

Description	Details
Make, Model	STG-1 MCW pump-1; Flowserve/ 40APH-1 STG-1 MCW pump-2; Flowserve/ 40APH-1 OCW-1 Pump-1; KSB/ KRTK 150-401/804UNC2-S OCW-1 Pump-2; KSB/ KRTK 150-401/804UNC2-S
Flow rate and Head	STG-1 MCW pump-1; 8000 m3/hr ; 28 m STG-1 MCW pump-2; 8000 m3/hr ; 28 m OCW-1 Pump-1; 382.5 m3/hr ; 41 m OCW-1 Pump-2; 382.5 m3/hr ; 41 m

Lot 15 – Steam Turbine 2 Cooling Water System: Condenser cooling water pumping system and associated auxiliaries.

Description	Details
Make, Model	STG-2 MCW pump-1; KSB/ SNW 750-700 STG-2 MCW pump-2; KSB/ SNW 750-700
Flow rate and Head	STG-2 MCW pump-1; 7633 m3/hr ; 21 m STG-2 MCW pump-2; 7633 m3/hr ; 21 m

Lots 16-19 – Chiller Packages: McQuay (Greece) centrifugal chillers, each rated at 1200 TR cooling capacity, complete with evaporator pumps and control systems.

Parameter	Description
Manufacturer	McQuay
Model	WSC 126
Year of Manufacture	2008
Cooling Capacity	1200 RT
Power Supply	6600 V / 3 Phase / 50 Hz
Control Voltage	110 V / 1 Phase / 50 Hz
Refrigerant Type	R-134a
Refrigerant Charge	942 kg
Compressor Type	Centrifugal Compressor
Compressor FLA (Full Load Amps)	76 A
Compressor LRA (Locked Rotor Amps)	395 A
Chiller Weight (Empty)	13,584 kg
Chiller Weight (Flooded)	16,048 kg

Lot 20 – Chiller Seawater Pump System: Seawater cooling pump system comprising three seawater cooling pumps.

Chiller Sea Raw Water Supply Source	Details
Make, Model	Chiller sea water pump-1; KSB / B22B-1 Chiller sea water pump-2; KSB / B22B-1; Chiller sea water pump-3; KSB / B22B-1
Flow rate and Head	Chiller sea water pump-1; 1152 m ³ /hr ; 22 m Chiller sea water pump-2; 1152 m ³ /hr ; 22 m Chiller sea water pump-3; 1200 m ³ /hr ; 22.4 m

Lot 21 – Seawater Reverse Osmosis Plant Package 1: 50 m³/hr water treatment plant comprising Multimedia Filters (MMF), SWRO, BWRO, EDI, chemical dosing, and CIP systems.

Lot 22 – Seawater Reverse Osmosis Plant Package 2: 30 m³/hr water treatment plant comprising Multimedia Filters (MMF), UF, SWRO, BWRO, EDI, chemical dosing, and CIP systems.

Parameter	RO Plant – 1	RO Plant -2
Manufacturer	GE Water and Process Technology	
Year	2009	2015
Model	RO, SWRO-126,200C	RO, PRO-200
Number of Units	One SWRO/One BWRO	One SWRO/One BWRO
Total Feed flow, Capacity (m ³ / h)	153 (SWRO) /68.8 (BWRO)	111.5 (SWRO) /37.1 (BWRO)
Product Water flow (m ³ / h)	68.8 (SWRO) /50 (BWRO)	37.1 (SWRO) /31.5 (BWRO)
Reject water flow (m ³ / h)	84 (SWRO) /18.8 (BWRO)	74.4 (SWRO) /5.4 (BWRO)
Nominal/Max Operating pr.	58 /60 (SWRO) and 19/16(BWRO)	48 /60 (SWRO) and 17.2(BWRO)
Max Design Feed TDS	36600 (SWRO) /796(BWRO)	36600 (SWRO) /796 (BWRO)
Recovery %	45 (SWRO) /80 (BWRO)	33.25 (SWRO) /85 (BWRO)
Membrane Type	SWRO/BWRO	SWRO/BWRO
Number of Vessels	18 (SWRO) /12 (BWRO)	12 (SWRO) /7 (BWRO)
Total Number of Membrane	126 (SWRO) /48 (BWRO)	72 (SWRO) /28 (BWRO)
Membrane Surface Area (m ²)	40.9 Each SWRO/33.9 Each BWRO	40.9 Each SWRO/33.9 Each BWRO

RO PLANT ELECTRODEIONIZER		
Parameter	RO PLANT-1	RO PLANT-2
Manufacturer	GE Water and Process Technology	GE Water and Process Technology
Year	2009	2015
Model	MK3-15	E -Cell-3XHH Stack -6
Number of Units	15	6
Total Feed flow, Capacity (m ³ / h)	46	33
Product Water flow (m ³ / h)	40	30
Concentrate water flow (m ³ / h)	4	1
Electrolyte flow (m ³ / h)	2.5	0.8
Max Design Feed TDS	35	29
Actual Feed TDS	17	6
Actual output TDS	< 0.1	<0.1
Silica/Sodium	5/1	5/1
Recovery %	90	90

MAJOR PLANT EQUIPMENT



LM6000 PC Sprint Aero-derivative Gas Turbine



Steam Turbine GE Thermodyne 8-11MC9



Steam Turbine GE Thermodyne 8-9MC9



HRSG (2) 120TPH; HP =57Bar; LP = 7.0Bar

Lot 23 – Transformers: Step-up Transformers, Auxiliary Transformers and Service Transformers.

STEP UP TRANSFORMERS				
Parameter	Step up Transformer 1	Step up Transformer 2	Step up Transformer 3	Step up Transformer 4
Manufacturer	Electroputere, Romania	Electroputere, Romania	Getra SpA	XD Jinan Transformer Co. Ltd
Country of Origin	Romania	Romania	Italy	China
Year	2007	2007	2008	2014
Serial Number	142646	142647	T3C0579E0000	1EJ 710 10229.1
Rating MVA	115/57.5/57.5	115/57.5/57.5	35	40
HV/LV	220/11.5/11.5	220/11.5/11.5	220 / 11	220 / 11
Tap (On load)	17	17	17	17
Cooling	ONAF	ONAF	ONAF	ONAF
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Oil Capacity	45000 kg	45000 kg	19000	37600
AUXILIARY TRANSFORMER				
Parameter	AUT 01	AUT 02	AUT 03	AUT 04
Manufacturer	Electroputere, Romania		XD Jinan Transformer Co. Ltd	
Year	2007	2007	2014	2014
Serial Numbers	142648	142649	20140253	20140252
Rating (MVA)	18.5	18.5	5	5
Voltage/Frequency	11.5 / 6.6 / 50 Hz	11.5 / 6.6 / 50 Hz	11.5 / 6.6 / 50 Hz	11.5 / 6.6 / 50 Hz
Tap (On load)	17	17	17	17
Cooling	ONAF	ONAF	ONAF	ONAF
Oil Capacity	9500 kg	9500 kg	4720 kg	4720 kg

SERVICE TRANSFORMER						
Parameter	01	02	03	04	05	06
Manufacturer	France transfo	France transfo	France transfo	France transfo	XD Jinan Transformer Co. Ltd	XD Jinan Transformer Co. Ltd
Year	2007	2007	2007	2007	2014	2014
Serial Numbers	415411-01	415412-01	415411-02	415412-02	14040318	14040319
Rating (MVA)	3150	3150	3150	3150	2000	2000
Voltage/Frequency	6.6/0.4kV/50 Hz	6.6/0.4kV/50 Hz	6.6/0.4kV/50 Hz	6.6/0.4kV/50 Hz	6.6/0.4kV/50 Hz	6.6/0.4kV/50 Hz
Tap (Off Load)	5	5	5	5	5	5
Cooling	ONAN	ONAN	ONAN	ONAN	Air Natural	Air Natural
Oil Capacity	1269	1269	1269	1269	Dry Type	Dry Type

Lot 24 – 11.5 KV Switchgear & Lot 25 – 6.6KV Switchgear:

SWITCHGEAR				
Parameter	11.5 KV Switchgear	11.5 KV Switchgear	6.6KV Switchgear	6.6KV
Manufacturer	Areva, Germany	ABB, Czech Republic	Siemens	ABB, Czech Republic
Year	2007	2014	2007	2014
Type of Insulation	Vacuum	Vacuum	Vacuum	Vacuum
Ratings	17.5kV 50 Hz	17.5kV 50 Hz	17.5kV 50 Hz	12 kV 50 Hz
Type of Electrical Protection	M-3425A	REF 620	7SJ602	REF 620/ REM 620/ RET 620

Lot 26 – 0.4KV Switchgear MCC: 400 V Load Control Centers includes Balance of Plant Motor Control Cubicles and Chiller Motor Control Cubicle.

Lot 27 – DC/UPS System: DC system and UPS system

DC/UPS System					
Parameter	1	2	3	4	5
UPS Manufacturer	AEG	AEG	Riello	Riello	AEG
Model	Protect 3.33/60kVA	Protect	MPT-40	MPT-40	
Rating (kVA)	60 kVA	60 kVA	40 KVA	40 KVA	
Nominal Input /Output Voltage	380 / 380	400 / 400	400 / 400	400 / 400	380V AC/ 110V DC
Nominal frequency (Hz)	50	50	50	50	50

Lot 28 – Fuel Gas Compressors:

Parameter	Description
Manufacturer	GE Gemini (Packager Flotech)
Model	FS 704
Year of Manufacture	2007 / 2010
Type	Reciprocating
Speed (rpm)	1000
Rated Capacity Site	15870 NM ³ /Hr. @ 2.2 Barg
Gas Inlet/Outlet Pressure, Barg	2.2-4.2 /46
Compressor Stages	Three
Prime Mover Type & Specs	Electric Motor 6.6 kV, 3.2 MW
Control System	Siemen S7 300

Lot 29 – Gas Receiving Station: This includes Gas Filtration System and Gas Chromatograph.

Lot 30 – Instrument Air Compressors:

Instrument Air Compressors			
Parameter	Unit 1	Unit 2	Unit 3
Manufacturer	Ingersoll Rand	Ingersoll Rand	Atlas Copco
Year	2007	2007	2013
Model	MM90	MM90	GA90
Serial Number	2360814	2360815	AP1617827
Capacity (Volume & Pressure)	Volume: 15.6 m3/min	Volume: 15.6 m3/min	Volume: 13.4 m3/min
	Pressure: 8.5 Bar	Pressure: 8.5 Bar	Pressure: 10 Bar

Lot 31 – Emergency Diesel Generations:

Emergency Diesel Generators			
Manufacturer	Siemens	Siemens	Siemens
Year	2007	2007	2007
Model	DG 1000	DG 1250	DG 1250
Serial Number	DGS 3443	DGS 3818	DGS 3829
Normal/Standby/Max output Power	1000 KVA	1250 KVA	1250 KVA
Voltage	400 V	400 V	400 V

Lot 32 – Common Cooling water system:

Common Cooling water system	
Description	Details
Make, Model	Open Cooling Water Pump; KSB/SNW 600-650
	Open Cooling Water Pump; SULZER/SM 401 -450
	Closed Cooling Water Pumps; Wilo, ASP 300B-150/4-T4-CI-EO Horizontal Centrifugal Pumps
Flow rate and head	Open Cooling Water Pump; 2600 m3/hr.; 45 m
	Open Cooling Water Pump; 2335 m3/hr.; 38 m
	Closed Cooling Water Pumps; 1,240 m³/hr. Capacity

Lot 33 – DCS System

Parameter	DCS System
Manufacturer	Honeywell Experion
Type	PKS 511.3 Distributed Control System

Lot 34 – Firefighting Foam System: Fire Fighting Foam system of AFFF 3% 400 Liters and AFFF 3% 200 Liters.

Annexure C (Safety Guidelines)

Safety Guidelines for Handling, Lifting, and Transportation of Material

The following safety requirements shall be strictly complied with by the successful bidder and their personnel during inspection, sampling, handling, lifting, and transportation of Material from KE premises.

- a) **General Safety Compliance:** All activities involving dismantling and lifting shall be carried out strictly in accordance with KE's Health, Safety, Environment, Quality (HSEQ) policies, regulations, and all relevant environmental and fire safety laws. Any non-compliance with the prescribed safety requirements may result in immediate suspension or termination of operations at the sole discretion of KE.
- b) **Personal Protective Equipment (PPE):** All personnel engaged by the successful bidder shall mandatorily wear appropriate personal protective equipment at all times, safety helmets, safety shoes, safety gloves, and safety goggles or face shields. Respiratory protection equipment shall also be used wherever required based on site conditions and risk assessment.

Additionally, at least 20% spare/buffer PPEs should be available on-site. For SPE (Special Protective Equipment), the contractor must ensure the availability of certified and tested safety harnesses, chemical suits, full-face masks, and other equipment in good condition to ensure maximum safety during operations. Personnel Protective Equipment shall be selected based on the specific work requirements. Before commencing work, a Work Permit, Hazard Risk Assessment for each activity and other relevant safety checks must be completed. In dust-prone areas, dust masks must be provided to all personnel, along with goggles for chemical handling, face shields for cutting and welding, where applicable.

- c) **Equipment and Vehicle Requirements:** The successful bidder shall ensure that all vehicles deployed for lifting of Material have valid vehicle fitness certificates. The drivers and operators engaged for transportation of Material shall hold valid and applicable driving licenses and authorizations required under the prevailing laws for operating such vehicles. KE reserves the right to inspect and reject any equipment, vehicle, driver, or operator deemed unsafe, unsuitable, or non-compliant with applicable requirements. KE reserves the right to inspect and reject any equipment or vehicle deemed unsafe or unsuitable.
- d) **Static Electricity and Earthing:** The successful bidder shall ensure that proper earthing and bonding arrangements, where applicable, are in place to eliminate the risk of static electricity buildup. Anti-static measures and devices shall be effectively implemented by the successful bidder throughout the operation.
- e) **Fire Prevention and Control:** Smoking, use of open flames, and presence of any ignition source shall be strictly prohibited within operational areas. The successful bidder shall ensure that adequate firefighting arrangements are readily available at all times, including appropriate fire extinguishers such as foam or dry chemical types, and that personnel are trained in their proper use.
- f) **Spill Prevention and Environmental Protection:** The successful bidder shall ensure that all necessary precautions are taken to prevent oil spills, if any, during transfer, handling, and transportation. Suitable spill Containment, if applicable and control equipment shall be kept readily available at site. In the event of any spill or environmental contamination, the successful bidder shall be solely responsible for immediate containment, reporting, cleanup, and remediation at their own cost and risk, to the entire exclusion of KE.

- g) **Safe Handling and Transfer Operations:** All operations shall be carried out under the supervision of trained and competent personnel.
- h) **Post-delivery responsibility:** Upon release of the Material from KE premises, all risks, responsibilities, and liabilities associated with transportation, storage, handling, use, environmental compliance, and regulatory compliance shall rest solely with the successful bidder. The successful bidder shall obtain and maintain any and all relevant licenses, permits, approvals, clearances, certifications, and authorizations as required under applicable laws. Any costs, penalties, fines, imposed by any other competent authority arising from non-compliance by the successful bidder, its personnel, vehicles, contractors, or agents shall be borne solely by the successful bidder, and KE shall have no liability whatsoever in this regard.
- i) **Emergency Preparedness:** The successful bidder shall ensure that adequate emergency response arrangements are in place, including availability of trained personnel, first aid facilities, and awareness of site-specific emergency procedures and evacuation routes. KE reserves the right to halt any activity in the event of unsafe conditions or inadequate emergency preparedness.
- j) **Safety Induction/ orientation:** All personnel must attend the safety induction before commencing the disposal activities, further.
- In case of an emergency, immediately alert the site supervisor, evacuate to the designated assembly point, and follow emergency response procedures.
 - Report any incidents/ near misses to the site safety officer without delay, and ensure incident reports are filled out accurately.
 - Brief about understanding site-specific hazards and safety protocols Major hazards at the location include chemical exposure, heavy machinery etc.
 - Do's: Dispose of waste responsibly, follow site rules, and maintain cleanliness. always wear the provided PPE and follow safety signs
 - Don'ts: Smoke outside designated areas, take photographs without permission, or tamper with safety equipment etc.
- k) **Method Statement Implementation:** Prior to the commencement of any work, the successful bidder shall submit a detailed method statement with due risk assessment and toolbox talk, required for the dismantling and disposal of the Material.
- l) **Working procedures and schedule of work:** The successful bidder shall submit daily working schedules showing list and duration of all activities to be carried out at site. These procedures and schedules shall be submitted before the commencement of work throughout the duration of work. The same shall be submitted to the nominated on-site representative of plant. The progress of work shall be checked on a day-to-day basis as per daily work schedule submitted by the successful bidder and a daily progress report shall be shared by the successful bidder at the end of the day to the nominated plant representative.
- m) **Deployment of Safety Lead:** A suitably qualified and experienced Safety Lead shall have to be deputed by the successful bidder to monitor the safety measures during the work. The safety lead should also have enough safety supervisors to cover each and every activity of site. As such a suitably qualified/certified and experienced safety personnel shall have to be deputed by the contractor to monitor the safety measures during the works. The safety supervisor will be separated from the site supervisor. The safety supervisor must be an experienced industry professional with relevant safety expertise, such as hazard identification, risk assessment, and implementation of mitigation controls. The safety supervisor is required to be present on-site during the

activities. Additionally, the supervisor must be authorized to exercise the 'Stop Work Authority' to halt any unsafe operations immediately.

- n) **Arrangement of Utilities/Resources:** The Successful bidder shall at its own cost all utilities and resources required for execution of works, including but not limited to electricity, compressed air, water (generator, compressor etc.). The successful bidder shall also make its own arrangements of pipe, fittings, cables, switches, circuit breakers and fuses, etc., where required, under the supervision of a licensed electrician/technician.
- o) **Removal of Insulation:** Where applicable, the successful bidder shall safely remove dispose off all insulation, cladding and refractory from piping and equipment prior to the commencement of the dismantling activities in accordance with applicable environmental and waste disposal regulations.
- p) **Removal of Oil and Chemical:** Where applicable, the successful bidder shall safely remove and dispose off all oil and Chemical from piping and equipment and associated systems prior to the commencement of dismantling activities in accordance with all applicable environmental and waste disposal regulations.
- q) **Safety and security of contractor equipment and material:** The successful bidder shall be solely responsible for the safety, security, maintenance and protection of all equipment, parts and Materials, and other assets brought by the contractor at site. KE shall not be liable for any loss, theft or damage thereto.
- r) **Tools, and fixtures:** The quality and quantity of all the material, tools, and fixtures to be used by the successful bidder for carrying out the disposal activities, when brought on site, shall be inspected and checked by the authorized personnel of KE. Lifting tools and equipment/vehicles should have valid certification from third party.
- s) **Site Remediation Plan:** The successful bidder will submit the detailed plan for the remediation of plant site which shall include but not limited to all the openings in the buildings which will emerge due to removal of piping and equipment.
- t) **Lifting Tools and vehicles:** When work involves lifting & rigging, the successful bidder shall submit a detailed separate method statement and risk assessment. As such, all lifting tools, machinery, and vehicles (cranes, riggers etc.) involved in the process should be certified, calibrated, and tagged by third party. For all vehicles, the driver should have valid and relevant driving license along with third party certification. Vehicles should have valid fitness certificate. Standard signaling systems will be used for crane movements. All lifting certificates and test reports must be available and can be produced at any time at the plant site. Additionally, lifting equipment operators must have an HTV license and a defensive driving training certificate.
- u) **Working at height:** Where activity will involve working at height, the types of equipment which may be used to minimize risk while working at height must include material such as, but not limited to, general access scaffold, mobile scaffold towers, mobile elevated work platform, man basket, fall protection systems etc. The erection, alteration or dismantling of any scaffolding must be carried out by third party certified scaffolders and verified/tagged by certified scaffolding Inspector deputed by the successful bidder. Scaffolding shall be built in accordance with KE HSEQ requirements for working at height. Personnel(s) working at height should use tested full body harness with shock absorbers.
- v) **Confined Space:** When work within a confined space is required, the successful bidder shall submit a separate method statement & risk assessment of work to the authorized personnel of KE. Confined space certificate shall be prepared, and all requirements of confined space works shall be fulfilled by the successful bidder permit holder for clearance of work.

- w) **Hot work:** Hot Work includes, but is not limited to, welding, brazing, cutting, and grinding. Hot Work of aforementioned types are fire hazards. A Hot Work Certificate issuance requirement shall be met by the successful bidder in order to carry out hot works with a safety document whenever there is a need for hot work to be carried out. Hot work areas need to be barricaded and the staff deployed by the successful bidder must ensure the availability of welding blanket and fire extinguishers. Additionally, all gas cutters are to be fitted with surge arresters.
- x) **Electrical Equipment:** All electrical equipment, such as generators, grinders, welding plants, etc., shall be inspected by a competent electrician appointed by the contractor. The inspection findings will be recorded in accordance with the KE SP 12 checklist. Electrical equipment operating in HAC zones must have relevant ratings (e.g., ATEX, IP, etc.). The electrical distribution board (DB) must be equipped with an ELCB to provide protection against electrical faults. Load limitations should be clearly indicated on the DB to prevent overloading and ensure safe operation. Regular inspection and testing of DB are essential to maintain safety standards throughout the demolition process. Additionally, proper earthing and isolation procedures must be strictly followed when working near or on the electrical distribution board to prevent accidents. No torn or damaged wires, extension reels, or similar equipment will be permitted on-site.
- y) **Excavation Works:** When excavation activities are required, the successful bidder shall submit a separate method statement & risk assessment of work to the authorized personnel by KE. Cable Avoidance Tool (CAT) for buried cables and lines will be done prior to commencement of work. The successful bidder must have a certified live line detector for confirmation of no underground buried services. Additionally, all machines involved in excavation should be certified & inspected.
- z) **Incident Reporting:** The successful bidder shall immediately report all accidents, incidents, near misses, unsafe acts, unsafe conditions, environmental spills, property damage, and injuries to KE. A detailed investigation report, including root cause analysis and corrective actions, shall be submitted to KE in two working days.
- aa) **Housekeeping:** The successful bidder shall maintain good housekeeping throughout the work site. All work areas shall be kept clean, orderly, and free from debris, scrap materials, oil spills, and other hazards at all times. Upon completion of the works, the successful bidder shall carry out final cleaning of the work area to the satisfaction and subject to the approval of KE prior to demobilization.
- bb) **Toolbox Talk:** Toolbox talk will be done by the successful bidder's team with KE personnel on daily basis before the execution of work at site.