



JPS Request for Proposal # RFP : 939615

Purchase of Scrap Metal & Used Equipment

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DIRECTORS:

BOK HOA JEONG (CHAIRMAN)

SUZETTE BUCHANAN

MINNA ISRAEL

HON. CHARLES JOHNSTON

SEIJI KAWAMURA

DONG UK KIM

MOHAMED MAJEED

FITZROY VIDAL

COLIN WILLIAMS

RFP 939615 Activities are guided by the dates stated in the Calendar of Events highlighted in Section 4 of this RFP. Observing these dates,

- Section 2.1 provides Instructions to submit questions via email only
- A combined response to questions will be posted on the Internet only
- Respondents must confirm their intention to bid in order to be setup in JPS ShareFile folder
- Access to individual vendor folders will be given 1 weeks before the bid closes to eliminate any issues for bid upload by RFP deadline.
- Files must be accurately labelled/named. Commercial/Financial Information must be a separate file from your Operational Overview.
- ShareFile Access will be removed when the bid closes.

JAMAICA PUBLIC SERVICE
COMPANY LIMITED

6 KNUTSFORD BOULEVARD
KINGSTON 5, JAMAICA

T: (876) 926.3190-9
F: (876) 936.1800

www.myjpsco.com



Bids will not be accepted via email.

Regards,

JPS Purchasing Department



JAMAICA PUBLIC SERVICE COMPANY

JPS Power Plants Decommissioning

PURCHASE OF SCRAP METAL AND USED EQUIPMENT

FOR

OLD HARBOUR AND HUNTS BAY B6 POWER STATIONS

RFP No. 939615

**GENERATION DIVISION
GENERATION ASSET MANAGEMENT GROUP**

JANUARY 2023

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1. BACKGROUND

Jamaica Public Service Company Limited (JPS) is an integrated electric utility company engaged in the generation, transmission and distribution of electricity throughout the island of Jamaica. JPS owns and operates 28 generating units and also purchases power from seven independent power producers (IPP). JPS assets include conventional thermal plants (374 MW), hydro and wind (29.12 MW), 50 substations, approximately 1200 km of transmission lines and 20,534 km of distribution lines.

The common shares of JPS are held 40% by Marubeni Corporation through its subsidiary Marubeni Caribbean Power Holdings (“MCPH”); 40% by Korea East West Power Company (“KEWP”); 19.9% by the Government of Jamaica (“GOJ”) and the remaining 0.1% by a group of minority shareholders.

The Office of Utilities Regulation (“OUR”) is the independent regulatory agency with responsibility for regulating the electricity sector in Jamaica.

The JPS is requesting competitive proposals from qualified scrap-metal contractors to remove and purchase scrap metal & used equipment located at the Old Harbour Power Station and the Hunts Bay B6 Power Plant. The scrap metal is intended for recycling. General Instructions to Bidders

2. SCOPE OF WORKS

The works involved are to safely remove and purchase scrap metal /used equipment from the JPS decommissioned power plants, Old harbour power station and Hunts Bay B6 Power Plant.

2.1 Purchase of Scrap Metal / Used Equipment from JPS

The contractor will be required to provide the revenue value or their purchase price for scrap metal / used equipment located at the JPS Old Harbour and the Hunts Bay B6 Power Plants.

Contractor shall provide detailed listing of purchase price for items.

- Item
- Quantity
- Unit Cost
- Total Purchase Cost

Estimated quantities of the scrap metal / used equipment to be removed from the Old Harbour and the Hunts Bay B6 plant are listed in Appendix. Contractor may field verify quantities listed.

2.2 Payment Schedule for scrap metal and used equipment

The contractor shall submit a payment schedule for scrap metal and used equipment in their proposal.

2.3 Late Payment Penalty

Payments due to JPS for the sale of scrap metal / used shall attract the interest of 5 % for every month the payment is late.

2.4 De-energization of Hazardous Energy

Under the technical guidance of JPS representatives, the Contractor will be required to provide all labour, supervision, tools, equipment and other third-party services to de-energize all forms of hazardous energy necessary for the removal of scrap metal / used equipment.

2.5 Relocation of Existing Utilities

The contractor shall provide services to relocate utilities that include but not limited to piped water, fire water, communication and gas supply lines prior to the removal of scrap metal / used equipment.

2.6 Tank and Vessel Cleaning

The contractor shall perform cleaning of all tanks and vessels prior to demolition. Waste from these tanks or vessels shall be disposed of according to the local Environmental Protection regulations.

The contractor must comply with JPS environmental management policy.

2.7 Demolition of Buildings and Structures

The contractor shall provide all labour, supervision, tools and equipment to demolish buildings and structures hindering access to scrap metal / used equipment.

The contractor must provide details on the methodology to safely demolish buildings and structures in their technical proposal.

2.8 Removal and Disposal of Hazardous Waste Material from Plant

The contractor shall provide all labour, supervision, tools and equipment to remove and dispose of hazardous waste material that are hindering access to scrap metal / used equipment.

Contractor must provide details on the methodology to safely remove and dispose of hazardous material in their technical proposal.

The contractor shall prepare written waste disposal plans for the hazardous waste on the site facility that must be disposed. Hazardous waste disposal plans must be submitted by the contractor and approved by the local environmental protection agency.

2.9 Removal of Scrap Metal / Used Equipment

The contractor shall provide all labour, supervision, tools, equipment and other third party services required to remove scrap metal / used equipment from the Old Harbour and Hunts Bay B6 Power Plants.

Estimated quantities of the scrap metal / used equipment to be removed from the Old Harbour Plant and Hunts Bay B6 are listed in the Appendix. Contractor may field verify quantities listed.

Contractor must provide details on the methodology to safely remove scrap metal / used equipment in their technical proposal. Bids will be evaluated on their technical merit.

2.10 Supply of Containers for transport of Scrap Metal / Used Equipment

The contractor shall supply suitable containers for the collection of scrap metal / used equipment.

Materials to be stored in the containers must be sorted.

2.11 Weighing of Scrap Metal Exiting JPS Old Harbour Facility

Suitable Trucks and other vehicles must be provided by the contractor to transport scrap metal / used equipment from the plant. Trucks and other vehicles must be weighed before exiting the plant. JPS will provide independent third party services to weigh and verify scrap metal / used equipment.

Haulage records must be approved by JPS representatives.

At Minimum these records must include the following:

- Date Material Hauled
- Description of Material
- Laden Weight (Tons)
- Un-laden Weight (Tons)
- Net Weight
- Delivery Destination of Scrap Metal / Used Equipment
- Contractor Drivers Name and Signature
- JPS Representative Signature

2.12 Storage of Scrap Metal / Used Equipment

Contractor will be required to safely store scrap metal / used equipment at an approved offsite facility.

2.13 Permits and Licenses

The contractor will be required to obtain all necessary permits and licenses required to perform the services. These permits and licenses shall include but not limited to the following:

- NEPA Hazardous waste transport permit
- Removal, packaging and disposal of asbestos containing material
- NEPA Hazardous waste export permit
- NEPA Scrap metal storage
- Removal and Disposal of Hazardous Material
- Sale of scrap metal / used equipment

3. SCHEDULE

The contractor is required to complete all works within a period of one (1) calendar year.

Contractor must provide a schedule/ Gantt chart of activities in their proposal.

4. OHSE

4.1 JPS HSE Policies

The contractor will be expected to abide by JPS HSE Policy and Procedures

4.2 COVID-19 Management

The contractor must conform to all GOJ (Government of Jamaica) COVID-19 Protocols.

4.3 Environmental Management

All works carried out by the contractor must be in compliance with JPS and the local Environmental Protection agency standards.

4.3.1 Storm Water Control

The contractor shall comply with local environmental regulations pertaining to storm water control and shall implement a storm water pollution prevention plan.

4.3.2 Dust Control

The contractor must ensure that suitable methodologies are used to minimize the generation of dust during the removal of scrap metal / used equipment. The contractor must provide suitable technology to prevent airborne dust from interfering with surrounding power plants and community.

4.3.3 Environmental Monitoring During and Post Decommissioning

The contractor must provide environmental monitoring of air, soil and ground water during and post scrap / used equipment removal activities to determine if there are contaminants and quantities thereof. Any contaminants that have exceeded NRCA regulations shall be resolved by the contractor.

5. JPS ASSISTANCE

JPS will provide local plant engineers and specialist engineers to assist the contractors in executing their services on an as needed basis.

6. EMPLOYMENT OF JAMAICAN LABOUR AND SUB-CONTRACTORS

Contractors are encouraged to employ local Jamaican labour resources inclusive of sub-contractors in the execution of the project work activities.

7. WORKING HOURS

Contractors will be required to work, within the normal working hours of JPS or such other times as directed by JPS. Normal working hours are from 8am to 5pm Monday to Thursday, and from 8am to 4:30pm on Fridays. The Contractor should strive at all times to complete the packing process to ensure that inspection and subsequent departure from the JPS Facility shall occur within the normal working hours, unless otherwise requested by JPS.

8. INSURANCE

The Contractor (or the subcontractor, as the case may be) shall at his own expense provide and maintain the following insurance coverage:

- Public liability insurance for personal injury, death or property damage arising from accidents during the performance by the Contractor of its obligations under this contract and with a minimum limit of indemnity of Ten Million Dollars (J\$10,000,000,000) for any one event or period;
- Employers Liability insurance coverage for all employees and casual workers of the Contractor and with an indemnity to principal extension with a minimum limit of indemnity of Ten Million Dollars (J\$10,000,000.00) for any one event or period;

The Contractor shall at JPS' request, shall provide evidence to JPS showing that such insurance coverage has been obtained and maintained and that the current premiums therefore have been paid.

9. PAYMENT

The Contractor shall issue a performance security by way of a deposit to a JPS account, as designated by JPS, in the amount of US\$10,000.00. The security shall be applied against any non-payment invoiced by JPS.

10. DIVISION OF RESPONSIBILITIES

Resource / Service	Contractor	JPS
Supply of Utilities	X	X
Tools and Equipment	X	
Office Facilities for Specialist Contractors	X	
Workshop, access to Workshop Equipment and workshop tools	X	X
Safety Equipment	X	
Custom Clearance	X	
Local Transportation of Equipment	X	
Consultant Workers and Third Party Services	X	
Skilled Labour Resources	X	
Participate in update meetings	X	X
Technical Drawings of OHPS and Equipment		X
JPS Specialist Engineers and Plant Engineers (Technical Guidance)		X

11. Deliverables and Schedules

No.	Activity	End dates	Responsibility
1	RFP invitations	19.1.2023	JPS
2	RFP receipt and intent to respond	24.1.2023	Bidders
3	RFP Pre-Proposal Conference / Site Visit	27.1.2023	JPS & Bidders
4	Questions about the document and RFP	10.2.2023	Bidders
5	Answers to Questions	24.2.2023	JPS
6	Response and submission to RFP	17.3.2023	Bidders
7	Shortlisting of Bidders,	24.3.2023	JPS
8	Notify non-selected Bidders	7.4.2023	JPS
10	Notify Bidder of Award	7.4.2023	JPS

12. GENERAL INSTRUCTIONS TO BIDDERS

12.1 Points of Contact (POC)

All communications and questions with JPS regarding the RFP must be directed to the following points of contact (POC).

Name: Ms. Jacqueline Melbourne

CC: Ms. Dianne Plummer, Mr. George Scarlett

Address: Jamaica Public Service Company Ltd

113 Washington Boulevard

Kingston 20, Jamaica WI

Email: dplummer@jpsco.com cc: jclarke@jpsco.com ; GeScarlett@jpsco.com

12.2 Communication Regarding the RFP

- a. Unauthorized communications concerning this RFP with other company employees, executives or contractors may result in immediate disqualification.
- b. All communication and questions should be submitted in writing, electronically to the POC. In order to ensure consistency in the information provided to the RFP Contractors, responses to questions received will be communicated to all participants without revealing the source of the inquiries.
- c. Only written responses will be considered official and binding. JPS reserves the right, at its sole discretion, to determine appropriate and adequate responses to questions and request for clarification.
- d. Bidders contact information shall be provided for RFP and thereafter contained within all correspondence containing questions and clarifications arising.

Requirements include:

- i. Company's name, company address and phone number, contact person, email address, position
- ii. References to specific points within the RFP using section number as reference
- iii. Clear and concise questions.

12.3 RFP Amendment and Cancellation

At any time prior to the deadline for submission of proposals JPS, may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by amendment.

The amendment will be done in writing to all prospective Bidders who have received the Bidding Documents, and will be binding on them.

In order to afford prospective Bidders reasonable time in which to take the amendment into account in preparing their bids, JPS may, at its discretion, extend the deadline for the submission of bids.

JPS reserves the unilateral right to cancel or reissue the RFP at its sole discretion. Bidders will respond to the final written RFP and any exhibits, attachments and amendments.

12.4 Confidentiality of Data

The Bidder should recognize that JPS operates in a sensitive business environment and, for that reason the Bidder must treat the materials and data provided by JPS as confidential. The successful Bidder may be required to agree to and execute the confidentiality agreement.

12.5 Written Clarification

JPS reserves the right, at its sole discretion, to request clarifications of any Proposal or to conduct discussions for the purpose of clarification with any or all contractors. The purpose of any such discussions will be to ensure full understanding of the proposal. Discussions will be limited to specific sections of the proposal identified by JPS and, if held, will be after initial evaluation of the Proposal.

If clarifications are made as a result of such discussion, the contractor will submit such clarifications electronically.

Refusal to respond to JPS request for clarifications may be considered non-responsive and be used as grounds for rejection of the Proposal.

12.6 Oral Clarification

If requested, the vendor will make an oral presentation to the Proposal Evaluation Team and other designated Company representatives. All expenses for the presentation will be borne by the vendor.

Late RFP Response :

Any RFP Response received by the Company after the deadline for submission of RFP Responses prescribed by the Company will be rejected and/or returned unopened to the RFP Response Contractors.

12.7 Bid Walkthrough / Site Visit

The contractor must attend a bid walkthrough in order for their bids to be accepted. No bids will be accepted from contractors that did not attend a scheduled walkthrough. JPS will provide adequate notification to contractors of the date, time and location of the walkthrough.

12.8 Period of Validity of RFP Responses

RFP Responses shall remain valid for 90 days after the date of RFP Response opening prescribed by the JPS. A RFP Response valid for a shorter period may be rejected by the JPS as non-responsive.

12.9 RFP Responses Submission

Only Electronic submissions will be accepted, using ShareFile by Citrix. All uploads will be confidential. Additional information on this software can be accessed by clicking the links below:

- Basic Client Guide <https://citrix.sharefile.com/share/view/s1bff52f8d434781a>
- Training (video) <https://www.sharefile.com/support/training>

RFP Activities are guided by the dates stated in the Calendar of Events highlighted in Section 11 of this RFP. Observing these dates,

- 1) A combined response to questions will be shared at the time specified in the RFP.
- 2) Respondents must confirm their intention to bid in order to be setup in JPS ShareFile folder
- 3) Access to individual vendor folders will be given 1 weeks before the bid closes to eliminate any issues for bid upload by RFP deadline.
- 4) Files must be accurately labelled/named. Commercial Information must be a separate file from your Technical Overview.
- 5) ShareFile Access will be removed when the bid closes.

13. RFP RESPONSE FORMAT

13.1 Technical Response

TECHNICAL PROPOSALS must include the following:

- A list of similar projects completed in the last five years
- Company Brochure
- Methodologies to execute scope of works in section 2
- HSE Plan
- Qualification of Contractor Team Members
- Schedule of Works Activities
- Other information in the contractor's view that is fit for consideration

13.2 Proposed Withdrawal

The Bidders may modify or withdraw its proposal after submission, provided that written notice of the modification or withdrawal is received by the JPS prior to the deadline prescribed for submission of proposals.

To withdraw a proposal, the Bidders must submit a written request electronically or signed document by an authorized representative before the deadline for submitting proposals. After withdrawing a previously submitted proposal, the Bidders may submit another proposal at any time up to the deadline for submitting proposals.

13.3 Cost of Proposal Preparation

The Bidders shall bear all costs associated with the preparation and submission of its RFP Response. JPS will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the RFP Response process.

13.4 Proposal Rejection

Bidders must comply with all of the terms of this RFP. JPS may reject any proposal as being non-responsive that does not comply with the terms, conditions and characteristics of this RFP or the key criteria for selection.

JPS reserves the right, at its sole discretion, to reject any and all proposals or to cancel this RFP in its entirety, and to accept a proposal other than the lowest price or proposal presented outside of this RFP that meets the company's requirement.

JPS assumes no responsibility for delays caused by any mail/bearer delivery service.

14. EVALUATION CRITERIA

The evaluation of Proposal will be carried out for each technical proposal, taking into account (a) the contractor's relevant experience for the assignment, (b) the quality of the methodology proposed (c) the qualifications of the key staff proposed. (d) technical capability (e) Earnings for JPS (f) Payment Schedule to JPS (g) HSE Plan to undertake work activities

14.1 Award Criteria

JPS will evaluate proposals using an internal scoring method that weighs various parameters to give the evaluation team insight into the strengths of each proposal relative to JPS needs. JPS internal scoring method values the following proposal attributes (Order of presentation here does not reflect priority).

Criteria	Score (%)
Maximum Financial Earnings for JPS	90
Payment Terms	2.5
Contractor OHSE Plan	2.5
Technical capability and Methodologies to execute works	2.5
Gantt Chart of all activities	2.5

14.2 RFP Response Currency

Prices should be quoted in USD.

14.3 Award of Contract

JPS will notify the successful RFP Response Contractor in writing by email that its RFP Response has been accepted. All unsuccessful RFP Response contractors will be notified.

15. APPENDIX

15.1 Old Harbour Scrap Material and Used Equipment (Estimated Quantities)

See attached supporting document : OHPS estimated quantity of Scrap Metal

15.2 Old Harbour Existing Facilities

The plant consists of four (4) oil-fired No. 6 (HFO) fuel boilers, steam generating units, designated as Unit No.1, Unit No.2, Unit No.3 and Unit No.4 respectively.

Unit No. 1

Unit No. 1 was commissioned into service in 1967 with a nameplate rating of 33MW, but is presently unavailable to the system due to a broken turbine shaft since August 2010. Except for the excitation system, the unit was operating with all its originally installed equipment.

Unit No. 2

Unit No. 2 was commissioned into service in 1968 with a nameplate rating of 60MW and is presently available to the system at MCR of 60MW. Except for a new turbine casing and excitation system, the unit is operating with all its originally installed equipment which have undergone rehabilitation works over the life of the plant.

Unit No. 3

Unit No. 3 was commissioned into service in 1970 with a nameplate rating of 68.5MW. This unit was the first of its kind to be manufactured by the supplier (General Electric). Based on operational and maintenance experience during the early operation of the unit,

the capacity was de-rated to 55MW in the late 1970s. However, following further evaluation of the unit's performance, the decision was taken in March 1996 to upgrade the capacity to 65MW MCR at which it is presently operating.

The alternator excitation system was upgraded in 1994 to the latest EX2000 static excitation system supplied by General Electric. The controls of the unit were also upgraded with the installation of a modern Power Plant Monitoring System in the 1990s.

Unit No. 4

Unit No. 4 was commissioned into service in 1973 with a nameplate rating of 68.5 MW.

This unit was similar in design to Unit No.3, however, based on the company's experience, the furnace area of the boiler was extended by an additional 13 feet which allowed it to operate at MCR of 68.5MW.

BOILER	UNIT No. 1	UNIT No. 2	UNIT No. 3	UNIT No. 4
Manufacturer	Franco Tosi	Hitachi	Foster Wheeler	Foster Wheeler
Date	1967	1968	1971	1995
Maximum Continuous Capacity	330,000 lb/hr	600,000 lb/hr	610,000 lb/hr	610,000 lb/hr
Design Pressure	1100 psig	1150 psig	1525 psig	1525 psig
Press @ Super heater Outlet	900 psig	900 psig	1270 psig	1270 psig
Steam Temp at Outlet	905° F	905° F	955° F	955° F
Heating Surface	26,800 ft ²	41,140 ft ²		

TURBINE	UNIT No. 1	UNIT No. 2	UNIT No. 3	UNIT No. 4
Manufacturer	Franco Tosi	Hitachi	General Electric	General Electric
Date	1967	1968	1971	1972
Type	Axial Flow	Axial Flow	Axial Flow	Axial Flow
Rating	33,000 kW	60,000 kW	68,553 kW	68,553 kW
Speed	3000 rpm	3000 rpm	3000 rpm	3000 rpm
Stages	33	15	18	18
Steam Pressure @ Turbine	850 psig	850 psig	1250 psig	1250 psig
Steam Temp. @ Turbine	900° F	900° F	950° F	950° F
Exhaust Pressure	2.1 in Hg abs	2.1 in Hg abs	2.5 in Hg abs	2.5 in Hg abs
Steam Flow to Turbine	274,710 lb/hr	585,340 lb/hr	606,349 lb/hr	606,349 lb/hr

GENERATOR	UNIT No. 1	UNIT No. 2	UNIT No. 3	UNIT No. 4
Manufacturer	<u>Ansaldo</u> <u>Glorglo</u>	Hitachi	General Electric	General Electric
Date	1967	1968	1971	1972
Rating	41.25 MVA	85.93 MVA	80 MVA	80 MVA
Phase	3 Phase	3 Phase	3 Phase	3 Phase
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Voltage	13.8 kV	13.8 kV	13.8 kV	13.8 kV
Connection	Wye	Wye	Wye	Wye
Power Factor	0.8	0.8	0.85	0.85
RPM	3,000	3000	3000	3000
Exciter Amps	800	693	850	850
Exciter Volts	145	375	250	250

15.3 Fuel Types

The following fuels are utilized / contained at the Old Harbour Power Station:

No. 6 Fuel oil

No. 2 / Lubricating oil mixture

No. 2 / No. 6 Fuel oil mixture

Transformer oil

Waste Oil

15.4 General Description

The main structures of the power plant include: the turbine buildings, generators, smoke stacks, workshops, demineralization building, stores building, boilers, the administration building, a canteen and change rooms as well as social facilities.

Administrative Building



Photo 1 – Old Harbour Plant front and Admin. Building

Units 1 and 2 along with their control centers are housed in the same structure alongside the main administrative building. Units 3 and 4 are housed in two separate buildings inclusive of the turbines and generators.

The main buildings are made of concrete and reinforced with steel beams. The administrative building is made of concrete with large glass panels, while the main plant buildings are made of concrete base, zinc sheeting and metal louvre windows.

Main stores and MMD workshop

The main stores building is located south west toward the back of the plant and is made of concrete base, zinc sheeting and reinforced with metal beams. It is adjoined by the mechanical workshop farther south.



Photo 2 – Main Stores Building (Concrete and metal sheeting)

The mechanical workshop is made of concrete and reinforced with steel beams. There are two exits and the area is 5452m.



Photo 3 – Mechanical workshop

Stacks

There are four boiler stacks each made of reinforced concrete base with brick line interior /metal exterior and are 150 ft. tall. The stacks are located to the south of the unit.



Photo 4 - Southern End of Plant Stack

Steel Structures

The northern end of the power plant showing crane structure and main transformers for the unit in the foreground.



Photo 5 - Northern end of plant/crane structure

Western side of boiler



Photo 6 - A section of a boiler

Fuel Oil Storage Systems

HFO is stored at the HFO tank farm located at the southwestern section of the compound

where there are three above ground storage tanks (ASTs) TKS1&2&3 each of nominal capacities 25,000 (Tks 1&2) and 50,000 bls respectively.



Photo 7 – HFO Tank #1 and 2

Tank #3 located at tank farm with concrete bund wall. It is located close to JEP barge at the extreme back of the JPSCo. power plant.



Photo 8 – HFO Tank #3

Water Storage System

The raw water storage tanks hold 200 gallons and are 32ft. high and made of steel sheeting with steel beam frame. Tank #1 and #3 are located to the right of the administrative building and visible from base up on entrance to the plant. However, tank #2 is located to the left of the administrative block.



Photo 9 - Raw water tanks #1 and 3

Water Treatment House

The water treatment house is made of concrete flooring, steel beams and metal sheeting.

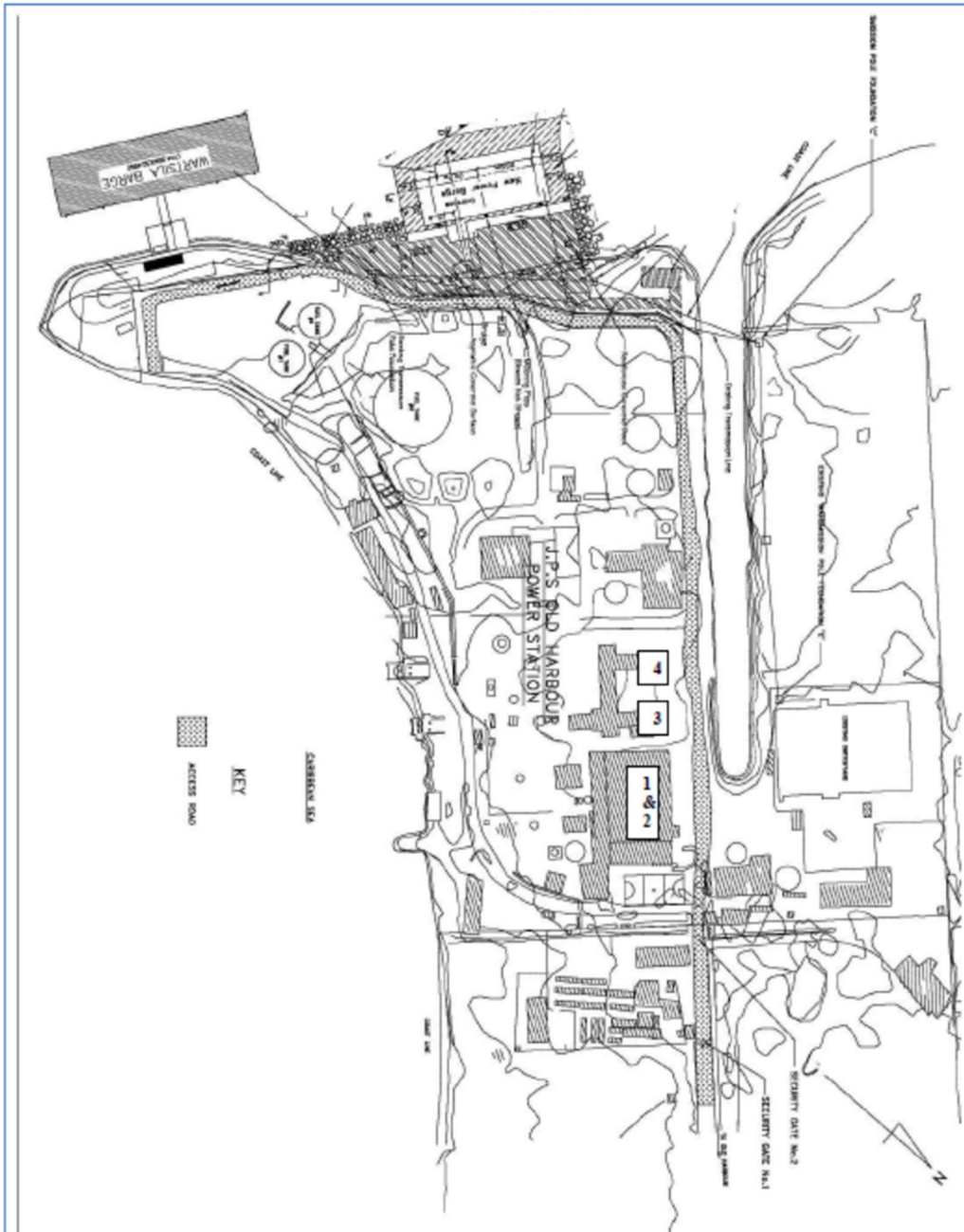
There are several agents housed in cylindrical metal tanks and each labelled accordingly.

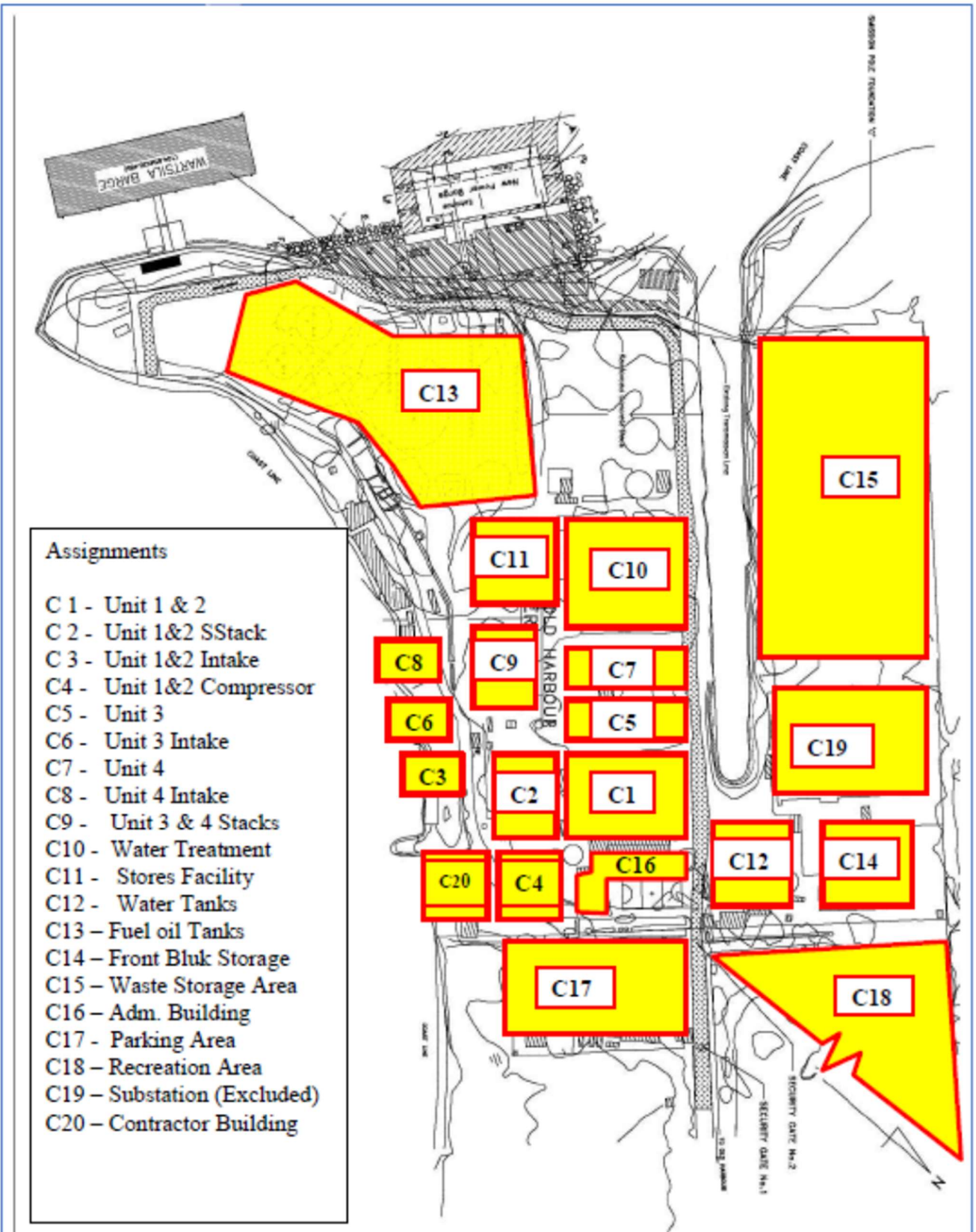


Photo 10 – Demineralization plant

15.5 Site Layout Plans

**APPENDIX D1
OLD HARBOUR POWER STATION - SITE LAYOUT TOPO**





15.6 Hunts Bay B6 Unit Scrap Material and Used Equipment (Estimated Quantities)

See attached supporting document : HBPS estimated quantity of Scrap Metal

15.7 Overview of Process Plan – Scrap Metal / Use Equipment Sale

