

	Scope of Work	Camden Power Station
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Title: **Maintenance, repair, service, inspection and load testing of Camden Power Station Lifting Equipment's.**

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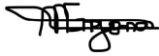
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1. Introduction

This document outlines the scope of work to be executed by the successful contractor for the maintenance, repair, service, inspection and load testing of Camden Power Station lifting equipment's for a period of 60 months.

2. Supporting Clauses

2.1 Scope

The scope is limited to the lifting equipment at Camden Power Station.

2.1.1 Purpose

The purpose for this scope of work is to define the requirement for the maintenance, repairs and services of the lifting equipment.

2.1.2 Applicability

This document applies to the contractor who will be doing the maintenance, repairs and services of the lifting equipment.

2.1.3 Normative References

[1] 240-78024412 Maintenance Execution Strategy for Lifting Equipment

[2] ISO 9001 Quality Management Systems

2.1.4 Informative References

[3] Occupational Health and Safety Act 85 of 1993

[4] Doc No 004/4830 Camden Power Station Safety, Health and Environment Specification.

2.1.5 Definitions

Table 1: Definitions used in the document.

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Definition	Description
lifting machinery inspector	Person who is responsible and competent to perform inspections and test according to acceptable standards and legislation as specified in Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and with a valid registration as a lifting machinery inspector in accordance with the Engineering Profession Act, 2000 (Act No. 46 of 2000).
competent person	Person who has the knowledge, training, experience and qualifications specific to the work or task being performed.
lifting accessories	Lifting tackle for attaching loads to machinery for lifting purposes and include non-fixed lifting attachments.
Crane Technician	A crane technician is a competent person who specializes in the maintenance, repair, and inspection of cranes and other heavy lifting machinery.
Crane technician assistant	Person who works under the supervision of a crane technician to assist in the maintenance, repair, and inspection of cranes and other heavy lifting equipment.
Lifting Machine	Means a power-driven machine that is designed and constructed for the purpose of raising or lowering a load or moving it in suspension, but does not include an elevator, escalator or hand-powered lifting device.
Power-driven Machine	Means that a machine is powered by any energy source excluding manpower.
Hand-powered lifting device	Means a lifting device consisting of one or more sheave components reeved with chains, steel rope or fibre ropes, used solely for the raising and lowering of a load or for moving it horizontally and includes chain blocks, lever hoists, hand chain hoists, steel-wire rope pullers and winches, but does not include hand-powered hydraulic lifting devices.

2.1.6 Abbreviations

Table 2: Abbreviations used in the document

Abbreviation	Explanation
ECSA	Engineering Council of South Africa
LMI	Lifting Machinery Inspector
LME	Lifting Machine Entity
ISO	International Organization for Standardization
QCP	Quality Check Procedure
SWL	Safe Working Load

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2.2 Roles and Responsibilities

2.2.1 Contractor Responsibilities

- Perform all tasks with professional expertise and adherence to safety and regulatory standards.
- Provide an Inspections and testing plan.
- Provide qualified and trained personnel for all tasks.
- The requirements of this document shall be implemented by the Contractor.
- To performance test lifting machines having a capacity greater than 25 tonnes, the contractor is to provide his/her own test weights.
- Provide detail reports on maintenance and repairs.

2.2.2 Client Responsibilities

- Provide access to equipment and facilities as required.
- Facilitate necessary permits and approvals for maintenance, repair, service, inspection, and testing.
- Provided with on-site test weights to facilitate the above performance tests up to max of 25 tonnes.

3. Contractor Requirements

The contractor shall comply with the following requirements as stipulated in the OHS Act 85 of 1993:

- The company shall be a register LME (Lifting Machine Entity) with the DOL (Department of Labour).
- The company shall have LMI (Lifting Machinery Inspector) with LMI number (ECSA accreditation).

NOTE: The contractor must provide proof of the above two requirements as evidence (certified copies), should the contractor not provide this information it will be assumed that it does not exist, and the contractor shall not be considered for this work.

4. Scope of Work

The objective of this contract is for the Contractor to provide maintenance, repairs, services and load testing of all lifting equipment and machinery at Camden Power Station on as and when required basis. Performance testing of lifting machinery at Camden Power Station will be governed by the following acts. The load test shall be conducted according to occupational Health and Safety Act No 85 of 1993, driven machinery regulation 18 (5) and 18(6) or any subsequent promulgated to cover such performance testing (110% of maximum operating load).

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4.1 General

Lifting Machines and parts thereof shall be thoroughly examined at intervals not exceeding 6 months in accordance with OSHAct DMR 18:6 by the appointed contractor, who shall enter and sign the results/findings of such examination in a Register kept for this purpose.

All the necessary maintenance of the lifting equipment and statutory markings shall be performed under this contract which includes the following activities:

- The contractor will be responsible for the posting of the information plates on the infrequently used lifting machinery, which clearly indicate the last date of the previous load testing.
- The successful contractor will be provided with on-site test weights to facilitate the above performance tests up to max of 25 tonnes.
- To performance test lifting machines having a capacity greater than this, the contractor is to provide his/her own test weights.
- The contractor shall be responsible for the clearing away of any excess materials, debris arising from the examination and performance of load testing.
- Any damage to existing services and/or equipment by the contractor or his/her employees shall be repaired or replaced on the contractor's account.
- On the completion of examination and testing, the hand over in good working condition shall take place.
- Performance test certificates to be issued within two days of completion of the tests.
- Statutory lifting beams are to be examined and performance tested (load tested) to 110% of their rated mass load every 12 months. Infrequently used beams are visual inspected every 6 month, will only be examined and performance tested immediately prior to use.
- Visual inspection of all beams attachments to the structure to be conducted. All connections (welded parts and bolts) to be inspected.
- Visual inspection of all lifting tackles and Inspection and testing of chain blocks to be conducted.
- SANS 10375 (latest edition) for the inspection, testing and examination of overhead cranes in use at Camden power station (listed on section 4.4) should be used as a minimum guide in addition to OSH Act DMR 18 and other relevant standards for overhead crane.

4.2 Lifting Machines

All lifting machines shall be subjected to a performance test as follow:

- At intervals not exceeding 12 months.
- In accordance with the standard to which the lifting machine was manufactured or tested to 110 % of safe working load.
- Findings recorded.
- Refer OSH Act DMR 18:5.

Manufacturer's requirements and prescriptions with respect to performance testing must be adhered to.

All modifications, repairs and performance test results shall be documented in a register kept for this purpose.

Where various lifting tackles are used as part of an assembly, the assembly shall be rated/used to the S.W.L of the weakest lifting tackle in the assembly.

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Refer section 4.4 for list of lifting equipment.

4.3 Documentations

4.3.1 Maintenance and Repair Logs

- Contractor to provide detailed logs documenting all maintenance and repair activities.

4.3.2 Inspection Reports

- Contractor to provide comprehensive reports detailing inspection findings and recommendations. Report to include pictures.

4.3.3 Load Test Results

- Contractor to provide documentation of load test outcomes, including any issues identified.

4.3.4 Compliance Certificates

- Contractor to provide certification demonstrating adherence to OSH Act DMR 18:5, SANS 10375, and other relevant standards were applicable.

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4.4 Listing of Lifting Equipment

The following are all cranes in Camden Power Station:

NO	DESCRIPTION OF CRANE AND LOCATION	SWL/TON
1	MAIN STORE OVERHEAD CRANE	20
2	TURBINE HOUSE EAST MAIN CRANE	100
3	TURBINE EAST AUXILIARY OVERHEAD CRANE	25
4	TURBINE WEST MAIN OVERHEAD CRANE	100
5	TURBINE HOUSE WEST AUXILIARY OVERHEAD CRANE	25
6	COOLING WATER PLANT PUMP HOUSE EAST OVERHEAD CRANE	15
7	COOLING WATER PLANT PUMP HOUSE WEST OVERHEAD CRANE	15
8	EAST DE-AERATOR LEVEL ELECTRICAL CRANE	5
9	WEST DE-AERATOR LEVEL ELECTRICAL CRANE	5
10	STEINMULLER MAINTENANCE WORKSHOP OVERHEAD CRANE	8
11	WELDING WORKSHOP OVERHEAD CRANE	6
12	ASH PLANT WEST OVERHEAD CRANE	10
13	ASH PLANT EAST OVERHEAD CRANE	10
14	MECHANICAL WORKSHOP OVERHEAD CRANE	5
15	MECHANICAL WORKSHOP OVERHEAD CRANE	20
16	NEW ASH DAM PUMP HOUSE OVERHEAD CRANE	8
17	UNIT 1, 12 ML ELECTRICT HOIST	10
18	UNIT 1 FFP ELECTRIC HOIST	2
19	UNIT 5 FFP ELECTRIC HOIST	2
20	UNIT 8 FFP ELECTRIC HOIST	2
21	CONV 4A, 6A&C AND 10A&C ELECTRIC HOIST	2
22	AWRD OVERHEAD CRANE	2

The following are the lifting beams in Camden Power Station:

NO	LIFTING BEAM LOCATION
1	COAL CONVEYOR 18 DRIVE END LIFTING BEAM
2	CONVEYOR 18 BELT LIFTING BEAM
3	CONVEYOR 4A INTERMEDIATE LIFTING BEAM

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NO	LIFTING BEAM LOCATION
4	CONVEYOR 4A DRIVE END LIFTING BEAM
5	ASH WATER RETURN PUMP HOUSE LIFTING BEAM 1
6	WATER TREATMENT PLANT LIFTING BEAM A
7	WATER TREATMENT PLANT LIFTING BEAM B
8	WATER TREATMENT PLANT LIFTING BEAM C
9	WATER TREATMENT PLANT LIFTING BEAM D
10	WATER TREATMENT PLANT LIFTING BEAM E
11	WATER TREATMENT PLANT LIFTING BEAM F
12	WATER TREATMENT PLANT 2ND FLOOR LIFTING BEAM G
13	WATER TREATMENT PLANT C BLOCK LIFTING BEAM
14	WATER TREATMENT PLANT DEMIN PUMP HOUSE LIFTING BEAM
15	RECLAMATION WATER PUMPHOUSE LIFTING BEAM
16	SEWERAGE PUMPHOUSE LIFTING BEAM
17	RAW SEWAGE PUMP HOUSE LIFTING BEAM
18	RECIRCULATING PUMPS 1 AND 2 LIFTING BEAM
19	RECIRCULATING PUMP 3 LIFTING BEAM
20	BLOWDOWN PUMP 3 LIFTING BEAM
21	EFFLUENT PUMP HOUSE LIFTING BEAM
22	BOILER HOUSE ELECTRIC HOIST LIFTING BEAM
23	ADMIN BUILDING COMPUTER ROOM LIFTING BEAM
24	CONVEYOR 6 A AND B AND C DRIVE END LIFTING BEAM A
25	CONVEYOR 6 A AND B AND C DRIVE END LIFTING BEAM B
26	CONVEYOR 6 A AND B AND C DRIVE END LIFTING BEAM C
27	CONVEYOR 6 A AND B AND C DRIVE END LIFTING BEAM D
28	CONVEYOR 6 A AND B AND C DRIVE END LIFTING BEAM E
29	CONVEYOR 6 A AND B AND C DRIVE END LIFTING BEAM F
30	CONVEYOR 6 A AND B AND C DRIVE END LIFTING BEAM G
31	CONVEYOR 6 A AND B AND C DRIVE END LIFTING BEAM H
32	CONVEYOR 6 A AND B AND C DRIVE END LIFTING BEAM I
33	DE-AERATOR SAFETY VALVES LIFTING BEAM EAST
34	COOLING TOWER 3 TO FOREBY SCREEN GATE LIFTING BEAM
35	COOLING TOWER 2 TO FOREBY SCREEN GATE LIFTING BEAM
36	COOLING TOWER 1 TO FOREBY SCREEN GATE LIFTING BEAM
37	COOLING WATER PUMP EAST SCREEN LIFTING BEAM A
38	COOLING WATER PUMPS EAST SCREEN LIFTING BEAM B
39	EAST COMPRESSOR HOUSE LIFTING BEAM A
40	EAST COMPRESSOR HOUSE LIFTING BEAM B

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NO	LIFTING BEAM LOCATION
41	STANBY DIESEL COMPRESSOR LIFTING BEAM A
42	STANBY DIESEL COMPRESSOR LIFTING BEAM B
43	CONVEYOR 10 A AND B AND C DRIVE END LIFTING BEAM A
44	CONVEYOR 10 A AND B AND C DRIVE END LIFTING BEAM B
45	CONVEYOR 10 A AND B AND C DRIVE END LIFTING BEAM C
46	CONVEYOR 10 A AND B AND C DRIVE END LIFTING BEAM D
47	CONVEYOR 10 A AND B AND C DRIVE END LIFTING BEAM E
48	CONVEYOR 10 A AND B AND C DRIVE END LIFTING BEAM F
49	CONVEYOR 10 A AND B AND C DRIVE END LIFTING BEAM G
50	CONVEYOR 10 A AND B AND C DRIVE END LIFTING BEAM H
51	CONVEYOR 10 A AND B AND C DRIVE END LIFTING BEAM I
52	CONVEYOR 9B DRIVE END LIFTING BEAM
53	CONVEYOR 9A DRIVE END LIFTING BEAM
54	CONVEYOR 11 A AND B DRIVE END LIFTING BEAM A
55	CONVEYOR 11 A AND B DRIVE END LIFTING BEAM B
56	CONVEYOR 11 A AND B DRIVE END LIFTING BEAM C
57	CONVEYOR 11 A AND B DRIVE END LIFTING BEAM D
58	CONVEYOR 11 A AND B DRIVE END LIFTING BEAM E
59	WEST LOW PRESSURE FUEL OIL PUMPHOUSE LIFTING BEAM
60	WEST HIGH PRESSURE FUEL OIL PUMPHOUSE BOTTOM LIFTING BEAM
61	WEST HIGH PRESSURE FUEL OIL PUMPHOUSE TOP LIFTING BEAM
62	BOILER 5 & 6 PRIMARY AIR FAN LIFTING BEAM
63	BOILER 7 & 8 PRIMARY AIR FAN LIFTING BEAM
64	WEST AIR HEATERS LIFTING BEAM A
65	WEST AIR HEATERS LIFTING BEAM B
66	WEST AIR HEATERS LIFTING BEAM C
67	WEST AIR HEATERS LIFTING BEAM D
68	DE-AERATOR SAFETY VALVES LIFTING BEAM WEST
69	COOLING TOWER 6 TO FOREBY SCREEN GATE LIFTING BEAM
70	COOLING TOWER 5 TO FOREBY SCREEN GATE LIFTING BEAM
71	COOLING TOWER 4 TO FOREBY SCREEN GATE LIFTING BEAM
72	COOLING WATER PUMPS SCREEN LIFTING BEAM A
73	COOLING WATER PUMPS SCREEN LIFTING BEAM B
74	WEST COMPRESSOR HOUSE LIFTING BEAM A
75	WEST COMPRESSOR HOUSE LIFTING BEAM B
76	MILL A MOTOR LIFTING BEAM
77	MILL A ROLL ASSEMBLY A LIFTING BEAM

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NO	LIFTING BEAM LOCATION
78	UNIT 1 MILL A LIFTING BEAM
79	UNIT 1 MILL A CLASSIFIER LIFTING BEAM
80	MILL A ROLL ASSEMBLY B LIFTING BEAM
81	MILL A ROLL ASSEMBLY C LIFTING BEAM
82	MILL B MOTOR LIFTING BEAM
83	MILL B ROLL ASSEMBLY A LIFTING BEAM
84	UNIT 1 MILL B LIFTING BEAM
85	MILL B CLASSIFIER LIFTING BEAM
86	MILL B ROLL ASSEMBLY B LIFTING BEAM
87	MILL B ROLL ASSEMBLY C LIFTING BEAM
88	MILL C MOTOR LIFTING BEAM
89	MILL C ROLL ASSEMBLY A LIFTING BEAM
90	UNIT 1 MILL C LIFTING BEAM
91	MILL C CLASSIFIER LIFTING BEAM
92	MILL C ROLL ASSEMBLY B LIFTING BEAM
93	MILL C ROLL ASSEMBLY C LIFTING BEAM
94	MILL D MOTOR LIFTING BEAM
95	MILL D ROLL ASSEMBLY A LIFTING BEAM
96	UNIT 1 MILL D LIFTING BEAM
97	MILL D CLASSIFIER LIFTING BEAM
98	MILL D ROLL ASSEMBLY B LIFTING BEAM
99	MILL D ROLL ASSEMBLY C LIFTING BEAM
100	MILL E MOTOR LIFTING BEAM
101	MILL E ROLL ASSEMBLY A LIFTING BEAM
102	UNIT 1 MILL E LIFTING BEAM
103	MILL E CLASSIFIER LIFTING BEAM
104	MILL E ROLL ASSEMBLY B LIFTING BEAM
105	MILL E ROLL ASSEMBLY C LIFTING BEAM
106	UNIT 1 PRIMARY AIR FANS LIFTING BEAM
107	UNIT 1 LEFT HAND FORCE DRAUGHT FAN NON DRIVE END LIFTING BEAM
108	UNIT 1 LEFT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
109	UNIT 1 LEFT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
110	UNIT 1 RIGHT HAND FORCE DRAUGHT FAN NON DRIVE END LIFTING BEAM
111	UNIT 1 RIGHT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
112	UNIT 1 RIGHT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
113	UNIT 1 LEFT HAND INDUCED DRAUGHT FAN MOTOR NON DRIVE END
114	UNIT 1 LEFT HAND INDUCED DRAUGHT FAN MOTOR DRIVE END

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NO	LIFTING BEAM LOCATION
115	UNIT 1 LEFT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END
116	UNIT 1 LEFT HAND INDUCED DRAUGHT FAN RUNNER NON DRIVE END
117	UNIT 1 RIGHT HAND INDUCED DRAUGHT FAN MOTOR NON DRIVE END
118	UNIT 1 RIGHT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END
119	UNIT 1 RIGHT HAND INDUCED DRAUGHT FAN RUNNER NON DRIVE END
120	UNIT 1 CONDENSER WATER BOX A LIFTING BEAM
121	UNIT 1 CONDENSER WATER BOX B LIFTING BEAM
122	UNIT 1 BASEMENT AUXILIARY LIFTING BEAM
123	MILL A MOTOR LIFTING BEAM
124	MILL A ROLL ASSEMBLY A LIFTING BEAM
125	UNIT 2 A MILL LIFTING BEAM
126	UNIT 2 A MILL CLASSIFIER LIFTING BEAM
127	MILL A ROLL ASSEMBLY B LIFTING BEAM
128	MILL A ROLL ASSEMBLY C LIFTING BEAM
129	MILL B MOTOR LIFTING BEAM
130	MILL B ROLL ASSEMBLY A LIFTING BEAM
131	UNIT 2 B MILL LIFTING BEAM
132	MILL B CLASSIFIER LIFTING BEAM
133	MILL B ROLL ASSEMBLY B LIFTING BEAM
134	MILL B ROLL ASSEMBLY C LIFTING BEAM
135	MILL C MOTOR LIFTING BEAM
136	MILL C ROLL ASSEMBLY A LIFTING BEAM
137	UNIT 2 C MILL LIFTING BEAM
138	MILL C CLASSIFIER LIFTING BEAM
139	MILL C ROLL ASSEMBLY B LIFTING BEAM
140	MILL C ROLL ASSEMBLY C LIFTING BEAM
141	MILL D MOTOR LIFTING BEAM
142	MILL D ROLL ASSEMBLY A LIFTING BEAM
143	UNIT 2 D MILL LIFTING BEAM
144	MILL D CLASSIFIER LIFTING BEAM
145	MILL D ROLL ASSEMBLY B LIFTING BEAM
146	MILL D ROLL ASSEMBLY C LIFTING BEAM
147	MILL E MOTOR LIFTING BEAM
148	MILL E ROLL ASSEMBLY A LIFTING BEAM
149	UNIT 2 E MILL LIFTING BEAM
150	MILL E CLASSIFIER LIFTING BEAM
151	MILL E ROLL ASSEMBLY B LIFTING BEAM

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NO	LIFTING BEAM LOCATION
152	MILL E ROLL ASSEMBLY C LIFTING BEAM
153	UNIT 2 PRIMARY AIR FANS LIFTING BEAM
154	UNIT 2 LEFT HAND FORCE DRAUGHT FAN NON DRIVE END LIFTING BEAM
155	UNIT 2 LEFT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
156	UNIT 2 LEFT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
157	UNIT 2 RIGHT HAND FORCE DRAUGHT FAN NON DRIVE END LIFTING BEAM
158	UNIT 2 RIGHT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
159	UNIT 2 RIGHT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
160	UNIT 2 LEFT HAND INDUCED DRAUGHT FAN MOTOR NON DRIVE END LIFTING
161	UNIT 2 LEFT HAND INDUCED DRAUGHT FAN MOTOR DRIVE END LIFTING
162	UNIT 2 LEFT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END LIFTING
163	UNIT 2 LEFT HAND INDUCED DRAUGHT FAN RUNNER NON DRIVE END
164	UNIT 2 RIGHT HAND INDUCED DRAUGHT FAN MOTOR NON DRIVE END
165	UNIT 2 RIGHT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END LIFTING
166	UNIT 2 RIGHT HAND INDUCED DRAUGHT FAN RUNNER NON DRIVE END
167	UNIT 2 CONDENSER WATER BOX A LIFTING BEAM
168	UNIT 2 CONDENSER WATER BOX B LIFTING BEAM
169	UNIT 2 BASEMENT AUXILIARY LIFTING BEAM
170	MILL A MOTOR LIFTING BEAM
171	MILL A ROLL ASSEMBLY A LIFTING BEAM
172	UNIT 3 MILL A LIFTING BEAM
173	UNIT 3 MILL A CLASSIFIER LIFTING BEAM
174	MILL A ROLL ASSEMBLY B LIFTING BEAM
175	MILL A ROLL ASSEMBLY C LIFTING BEAM
176	MILL B MOTOR LIFTING BEAM
177	MILL B ROLL ASSEMBLY A LIFTING BEAM
178	UNIT 3 MILL B LIFTING BEAM
179	MILL B CLASSIFIER LIFTING BEAM
180	MILL B ROLL ASSEMBLY B LIFTING BEAM
181	MILL B ROLL ASSEMBLY C LIFTING BEAM
182	MILL C MOTOR LIFTING BEAM
183	MILL C ROLL ASSEMBLY A LIFTING BEAM
184	UNIT 3 C MILL LIFTING BEAM
185	MILL C CLASSIFIER LIFTING BEAM
186	MILL C ROLL ASSEMBLY B LIFTING BEAM
187	MILL C ROLL ASSEMBLY C LIFTING BEAM

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NO	LIFTING BEAM LOCATION
188	MILL D MOTOR LIFTING BEAM
189	MILL D ROLL ASSEMBLY A LIFTING BEAM
190	UNIT 3 D MILL LIFTING BEAM
191	MILL D CLASSIFIER LIFTING BEAM
192	MILL D ROLL ASSEMBLY B LIFTING BEAM
193	MILL D ROLL ASSEMBLY C LIFTING BEAM
194	MILL E MOTOR LIFTING BEAM
195	MILL E ROLL ASSEMBLY A LIFTING BEAM
196	UNIT 3 E MILL LIFTING BEAM
197	MILL E CLASSIFIER LIFTING BEAM
198	MILL E ROLL ASSEMBLY B LIFTING BEAM
199	MILL E ROLL ASSEMBLY C LIFTING BEAM
200	UNIT 3 PRIMARY AIR FANS LIFTING BEAM
201	UNIT 3 LEFT HAND FORCE DRAUGHT FAN NON DRIVE END LIFTING BEAM
202	UNIT 3 LEFT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
203	UNIT 3 LEFT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
204	UNIT 3 RIGHT HAND FORCE DRAUGHT FAN NON DRIVE END LIFTING BEAM
205	UNIT 3 RIGHT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
206	UNIT 3 RIGHT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
207	UNIT 3 LEFT HAND INDUCED DRAUGHT FAN MOTOR NON DRIVE END LIFTING
208	UNIT 3 LEFT HAND INDUCED DRAUGHT FAN MOTOR DRIVE END LIFTING
209	UNIT 3 LEFT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END LIFTING
210	UNIT 3 LEFT HAND INDUCED DRAUGHT FAN RUNNER NON DRIVE END
211	UNIT 3 RIGHT HAND INDUCED DRAUGHT FAN MOTOR NON DRIVE END
212	UNIT 3 RIGHT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END LIFTING
213	UNIT 3 RIGHT HAND INDUCED DRAUGHT FAN RUNNER NON DRIVE END
214	UNIT 3 CONDENSER WATER BOX A LIFTING BEAM
215	UNIT 3 CONDENSER WATER BOX B LIFTING BEAM
216	UNIT 3 BASEMENT AUXILIARY LIFTING BEAM
217	MILL A MOTOR LIFTING BEAM
218	MILL A ROLL ASSEMBLY A LIFTING BEAM
219	UNIT 4 A MILL LIFTING BEAM
220	UNIT 4 A MILL CLASSIFIER LIFTING BEAM
221	MILL A ROLL ASSEMBLY B LIFTING BEAM
222	MILL A ROLL ASSEMBLY C LIFTING BEAM
223	MILL B MOTOR LIFTING BEAM

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NO	LIFTING BEAM LOCATION
224	MILL B ROLL ASSEMBLY A LIFTING BEAM
225	UNIT 4 B MILL LIFTING BEAM
226	MILL B CLASSIFIER LIFTING BEAM
227	MILL B ROLL ASSEMBLY B LIFTING BEAM
228	MILL B ROLL ASSEMBLY C LIFTING BEAM
229	UNIT 4 B MILL LIFTING BEAM
230	MILL C MOTOR LIFTING BEAM
231	MILL C ROLL ASSEMBLY A LIFTING BEAM
232	UNIT 4 C MILL LIFTING BEAM
233	MILL C CLASSIFIER LIFTING BEAM
234	MILL C ROLL ASSEMBLY B LIFTING BEAM
235	MILL C ROLL ASSEMBLY C LIFTING BEAM
236	MILL D MOTOR LIFTING BEAM
237	MILL D ROLL ASSEMBLY A LIFTING BEAM
238	UNIT 4 D MILL LIFTING BEAM
239	MILL D CLASSIFIER LIFTING BEAM
240	MILL D ROLL ASSEMBLY B LIFTING BEAM
241	MILL D ROLL ASSEMBLY C LIFTING BEAM
242	MILL E MOTOR LIFTING BEAM
243	MILL E ROLL ASSEMBLY A LIFTING BEAM
244	UNIT 4 E MILL LIFTING BEAM
245	MILL E CLASSIFIER LIFTING BEAM
246	MILL E ROLL ASSEMBLY B LIFTING BEAM
247	MILL E ROLL ASSEMBLY C LIFTING BEAM
248	UNIT 4 PRIMARY AIR FANS LIFTING BEAM
249	UNIT 4 LEFT HAND FORCE DRAUGHT FAN NON DRIVE END LIFTING BEAM
250	UNIT 4 LEFT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
251	UNIT 4 LEFT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
252	UNIT 4 RIGHT HAND FORCE DRAUGHT FAN NON DRIVE END LIFTING BEAM
253	UNIT 4 RIGHT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
254	UNIT 4 RIGHT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
255	UNIT 4 LEFT HAND INDUCED DRAUGHT FAN MOTOR NON DRIVE END LIFTING
256	UNIT 4 LEFT HAND INDUCED DRAUGHT FAN MOTOR DRIVE END LIFTING
257	UNIT 4 LEFT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END LIFTING
258	UNIT 4 LEFT HAND INDUCED DRAUGHT FAN RUNNER NON DRIVE END
259	UNIT 4 RIGHT HAND INDUCED DRAUGHT FAN MOTOR NON DRIVE END

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NO	LIFTING BEAM LOCATION
260	UNIT 4 RIGHT HAND INDUCED DRAUGHT FAN MOTOR DRIVE END
261	UNIT 4 RIGHT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END
262	UNIT 4 RIGHT HAND INDUCED DRAUGHT FAN RUNNER NON DRIVE END
263	UNIT 4 CONDENSER WATER BOX A LIFTING BEAM
264	UNIT 4 CONDENSER WATER BOX B LIFTING BEAM
265	UNIT 4 BASEMENT AUXILIARY LIFTING BEAM
266	UNIT 5 A MILL MOTOR LIFTING BEAM
267	UNIT 5 A MILL ROLL ASSEMBLY A LIFTING BEAM
268	UNIT 5 A MILL CLASSIFIER LIFTING BEAM
269	UNIT 5 A MILL ROLL ASSEMBLY B LIFTING BEAM
270	UNIT 5 A MILL ROLL ASSEMBLY C LIFTING BEAM
271	UNIT 5 B MILL MOTOR LIFTING BEAM
272	UNIT 5 B MILL ROLL ASSEMBLY A LIFTING BEAM
273	UNIT 5 B MILL CLASSIFIER LIFTING BEAM
274	UNIT 5 B MILL ROLL ASSEMBLY B LIFTING BEAM
275	UNIT 5 B MILL ROLL ASSEMBLY C LIFTING BEAM
276	UNIT 5 C MILL MOTOR LIFTING BEAM
277	UNIT 5 C MILL ROLL ASSEMBLY A LIFTING BEAM
278	UNIT 5 C MILL CLASSIFIER LIFTING BEAM
279	UNIT 5 C MILL ROLL ASSEMBLY B LIFTING BEAM
280	UNIT 5 C MILL ROLL ASSEMBLY C LIFTING BEAM
281	UNIT 5 D MILL MOTOR LIFTING BEAM
282	UNIT 5 D MILL ROLL ASSEMBLY A LIFTING BEAM
283	UNIT 5 D MILL CLASSIFIER LIFTING BEAM
284	UNIT 5 D MILL ROLL ASSEMBLY B LIFTING BEAM
285	UNIT 5 D MILL ROLL ASSEMBLY C LIFTING BEAM
286	UNIT 5 E MILL MOTOR LIFTING BEAM
287	UNIT 5 E MILL ROLL ASSEMBLY A LIFTING BEAM
288	UNIT 5 E MILL CLASSIFIER LIFTING BEAM
289	UNIT 5 E MILL ROLL ASSEMBLY B LIFTING BEAM
290	UNIT 5 E MILL ROLL ASSEMBLY C LIFTING BEAM
291	UNIT 5 PRIMARY AIR FANS LIFTING BEAM
292	UNIT 5 LEFT HAND FORCE DRAUGHT FAN NON DRIVE END LIFTING BEAM
293	UNIT 5 LEFT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
294	UNIT 5 LEFT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
295	UNIT 5 RIGHT HAND FORCE DRAUGHT FAN NON DRIVE END LIFTING BEAM
296	UNIT 5 RIGHT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM

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NO	LIFTING BEAM LOCATION
297	UNIT 5 RIGHT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
298	UNIT 5 LEFT HAND INDUCED DRAUGHT FAN MOTOR NON DRIVE END
299	UNIT 5 LEFT HAND INDUCED DRAUGHT FAN MOTOR DRIVE END
300	UNIT 5 LEFT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END
301	UNIT 5 LEFT HAND INDUCED DRAUGHT FAN RUNNER NON DRIVE END
302	UNIT 5 RIGHT HAND INDUCED DRAUGHT FAN MOTOR NON DRIVE END
303	UNIT 5 RIGHT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END
304	UNIT 5 RIGHT HAND INDUCED DRAUGHT FAN RUNNER NON DRIVE END
305	UNIT 5 FLOOR FEED PUMP SUCTION STRAINER LIFTING BEAM
306	UNIT 5 CONDENSER WATER BOX A LIFTING BEAM
307	UNIT 5 CONDENSER WATER BOX B LIFTING BEAM
308	UNIT 5 BASEMENT AUXILIARY LIFTING BEAM
309	UNIT 5 OPERATING FLOOR FEED PUMP SUCTION STRAINER LIFTING BEAM
310	MILL A MOTOR LIFTING BEAM
311	MILL A ROLL ASSEMBLY A LIFTING BEAM
312	UNIT 6 MILL A CLASSIFIER LIFTING BEAM
313	MILL A ROLL ASSEMBLY B LIFTING BEAM
314	MILL A ROLL ASSEMBLY C LIFTING BEAM
315	MILL B MOTOR LIFTING BEAM
316	MILL B ROLL ASSEMBLY A LIFTING BEAM
317	MILL B CLASSIFIER LIFTING BEAM
318	MILL B ROLL ASSEMBLY B LIFTING BEAM
319	MILL B ROLL ASSEMBLY C LIFTING BEAM
320	MILL C MOTOR LIFTING BEAM
321	MILL C ROLL ASSEMBLY A LIFTING BEAM
322	MILL C CLASSIFIER LIFTING BEAM
323	MILL C ROLL ASSEMBLY B LIFTING BEAM
324	MILL C ROLL ASSEMBLY C LIFTING BEAM
325	MILL D MOTOR LIFTING BEAM
326	MILL D ROLL ASSEMBLY A LIFTING BEAM
327	MILL D CLASSIFIER LIFTING BEAM
328	MILL D ROLL ASSEMBLY B LIFTING BEAM
329	MILL D ROLL ASSEMBLY C LIFTING BEAM
330	MILL E MOTOR LIFTING BEAM
331	MILL E ROLL ASSEMBLY A LIFTING BEAM
332	MILL E CLASSIFIER LIFTING BEAM
333	MILL E ROLL ASSEMBLY B LIFTING BEAM

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NO	LIFTING BEAM LOCATION
334	MILL E ROLL ASSEMBLY C LIFTING BEAM
335	UNIT 6 PRIMARY AIR FANS LIFTING BEAM
336	UNIT 6 LEFT HAND FORCE DRAUGHT FAN NON-DRIVE END LIFTING BEAM
337	UNIT 6 LEFT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
338	UNIT 6 LEFT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
339	UNIT 6 RIGHT HAND FORCE DRAUGHT FAN NON-DRIVE END LIFTING BEAM
340	UNIT 6 RIGHT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
341	UNIT 6 RIGHT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
342	UNIT 6 LEFT HAND INDUCED DRAUGHT FAN MOTOR NON-DRIVE END
343	UNIT 6 LEFT HAND INDUCED DRAUGHT FAN MOTOR DRIVE END
344	UNIT 6 LEFT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END
345	UNIT 6 LEFT HAND INDUCED DRAUGHT FAN RUNNER NON-DRIVE END
346	UNIT 6 RIGHT HAND INDUCED DRAUGHT FAN MOTOR NON-DRIVE END
347	UNIT 6 RIGHT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END
348	UNIT 6 RIGHT HAND INDUCED DRAUGHT FAN RUNNER NON-DRIVE END
349	UNIT 6 CONDENSER WATER BOX A LIFTING BEAM
350	UNIT 6 CONDENSER WATER BOX B LIFTING BEAM
351	UNIT 6 BASEMENT AUXILIARY LIFTING BEAM
352	MILL A MOTOR LIFTING BEAM
353	MILL A ROLL ASSEMBLY A LIFTING BEAM
354	UNIT 7 A MILL CLASSIFIER LIFTING BEAM
355	MILL A ROLL ASSEMBLY B LIFTING BEAM
356	MILL A ROLL ASSEMBLY C LIFTING BEAM
357	MILL B MOTOR LIFTING BEAM
358	MILL B ROLL ASSEMBLY A LIFTING BEAM
359	MILL B CLASSIFIER LIFTING BEAM
360	MILL B ROLL ASSEMBLY B LIFTING BEAM
361	MILL B ROLL ASSEMBLY C LIFTING BEAM
362	MILL C MOTOR LIFTING BEAM
363	MILL C ROLL ASSEMBLY A LIFTING BEAM
364	MILL C CLASSIFIER LIFTING BEAM
365	MILL C ROLL ASSEMBLY B LIFTING BEAM
366	MILL C ROLL ASSEMBLY C LIFTING BEAM
367	MILL D MOTOR LIFTING BEAM
368	MILL D ROLL ASSEMBLY A LIFTING BEAM
369	MILL D CLASSIFIER LIFTING BEAM
370	MILL D ROLL ASSEMBLY B LIFTING BEAM

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NO	LIFTING BEAM LOCATION
371	MILL D ROLL ASSEMBLY C LIFTING BEAM
372	MILL E MOTOR LIFTING BEAM
373	MILL E ROLL ASSEMBLY A LIFTING BEAM
374	MILL E CLASSIFIER LIFTING BEAM
375	MILL E ROLL ASSEMBLY B LIFTING BEAM
376	MILL E ROLL ASSEMBLY C LIFTING BEAM
377	UNIT 7 PRIMARY AIR FANS LIFTING BEAM
378	UNIT 7 LEFT HAND FORCE DRAUGHT FAN NON DRIVE END LIFTING BEAM
379	UNIT 7 LEFT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
380	UNIT 7 LEFT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
381	UNIT 7 RIGHT HAND FORCE DRAUGHT FAN NON DRIVE END LIFTING BEAM
382	UNIT 7 RIGHT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
383	UNIT 7 RIGHT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
384	UNIT 7 LEFT HAND INDUCED DRAUGHT FAN MOTOR NON DRIVE END
385	UNIT 7 LEFT HAND INDUCED DRAUGHT FAN MOTOR DRIVE END
386	UNIT 7 LEFT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END
387	UNIT 7 LEFT HAND INDUCED DRAUGHT FAN RUNNER NON DRIVE END
388	UNIT 7 RIGHT HAND INDUCED DRAUGHT FAN MOTOR NON DRIVE END
389	UNIT 7 RIGHT HAND INDUCED DRAUGHT FAN MOTOR DRIVE END
390	UNIT 7 RIGHT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END
391	UNIT 7 RIGHT HAND INDUCED DRAUGHT FAN RUNNER NON DRIVE END
392	UNIT 7 CONDENSER WATER BOX A LIFTING BEAM
393	UNIT 7 CONDENSER WATER BOX B LIFTING BEAM
394	UNIT 7 BASEMENT AUXILIARY LIFTING BEAM
395	MILL A MOTOR LIFTING BEAM
396	MILL A ROLL ASSEMBLY A LIFTING BEAM
397	UNIT 8 A MILL CLASSIFIER LIFTING BEAM
398	MILL A ROLL ASSEMBLY B LIFTING BEAM
399	MILL A ROLL ASSEMBLY C LIFTING BEAM
400	MILL B MOTOR LIFTING BEAM
401	MILL B ROLL ASSEMBLY A LIFTING BEAM
402	MILL B CLASSIFIER LIFTING BEAM
403	MILL B ROLL ASSEMBLY B LIFTING BEAM
404	MILL B ROLL ASSEMBLY C LIFTING BEAM
405	MILL C MOTOR LIFTING BEAM
406	MILL C ROLL ASSEMBLY A LIFTING BEAM
407	MILL C CLASSIFIER LIFTING BEAM

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NO	LIFTING BEAM LOCATION
408	MILL C ROLL ASSEMBLY C LIFTING BEAM
409	MILL D MOTOR LIFTING BEAM
410	MILL D ROLL ASSEMBLY A LIFTING BEAM
411	MILL D CLASSIFIER LIFTING BEAM
412	MILL D ROLL ASSEMBLY B LIFTING BEAM
413	MILL D ROLL ASSEMBLY C LIFTING BEAM
414	MILL E MOTOR LIFTING BEAM
415	MILL E ROLL ASSEMBLY A LIFTING BEAM
416	MILL E CLASSIFIER LIFTING BEAM
417	MILL E ROLL ASSEMBLY B LIFTING BEAM
418	MILL E ROLL ASSEMBLY C LIFTING BEAM
419	UNIT 8 PRIMARY AIR FANS LIFTING BEAM
420	UNIT 8 LEFT HAND FORCE DRAUGHT FAN NON DRIVE END LIFTING BEAM
421	UNIT 8 LEFT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
422	UNIT 8 LEFT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
423	UNIT 8 RIGHT HAND FORCE DRAUGHT FAN NON DRIVE END LIFTING BEAM
424	UNIT 8 RIGHT HAND FORCE DRAUGHT FAN DRIVE END LIFTING BEAM
425	UNIT 8 RIGHT HAND FORCE DRAUGHT FAN MOTOR LIFTING BEAM
426	UNIT 8 LEFT HAND INDUCED DRAUGHT FAN MOTOR NON DRIVE END
427	UNIT 8 LEFT HAND INDUCED DRAUGHT FAN MOTOR DRIVE END
428	UNIT 8 LEFT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END
429	UNIT 8 LEFT HAND INDUCED DRAUGHT FAN RUNNER NON DRIVE END
430	UNIT 8 RIGHT HAND INDUCED DRAUGHT FAN MOTOR NON DRIVE END
431	UNIT 8 RIGHT HAND INDUCED DRAUGHT FAN RUNNER DRIVE END
432	UNIT 8 RIGHT HAND INDUCED DRAUGHT FAN RUNNER NON DRIVE END
433	UNIT 8 CONDENSER WATER BOX A LIFTING BEAM
434	UNIT 8 CONDENSER WATER BOX B LIFTING BEAM
435	UNIT 8 BASEMENT AUXILIARY LIFTING BEAM
436	TURBO GENERATOR SPREADER BEAM

5. Employer's Requirements for Service

- The sequence of examination and load testing is the discretion of the contractors; the contractor will supply a work plan to GMR 2 (1) for the minimum disruption.
- QCP will be submitted to Camden Power Station after every activity done on the lifting equipment.

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- Contractor must supply all documentation and specification after replacing with new items. Give all documents after service, repairs and load testing e.g. service report and specification of any spare replaced on a crane and lifting beams.
- The respond time during breakdown will be two hours immediately after the call. Supplier will be available 24 hours for any breakdown.
- The contractor is to provide his/her own facilities to move the test weights around the site, and to lift them into the required position for performance testing as required.
- The contractor shall supply all equipment needed for the performance of the work, unless specifically stipulated above.
- All contractors shall comply with Camden Power Station risk assessments and work standards.

6. Limit of the scope

The scope only covers the lifting equipment.

7. Acceptance

This document has been seen and accepted by:

Name	Designation	Signatures

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8. Revisions

Date	Rev.	Compiler	Remarks
April 2018	0		Original Issue
May 2018	01		Lift of beams updated
June 2021	02		Contractor expired, SOW required
August 2024	03		List of Crane updated, and Contractor expired, SOW required. The following was revised: <ul style="list-style-type: none">• 2.1.5. Definitions• 2.2.1. Contractor responsibilities.• 2.2.2. Client responsibilities.• 4.1. General• 4.2 Lifting Machines• 4.3 Documentations
January 2025	04		List of Crane updated

9. Acknowledgements

Not applicable.

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