179F1	8" GATE VALVE	FACE TO FACE BODY	: :	290mm CAST STEEL	1
180F1	8" GATE VALVE	FACE TO FACE BODY	: :	290mm CAST STEEL	1
181F1	8" GATE VALVE	FACE TO FACE BADY	: :	290mm CAST STEEL	1
182F1	8" GATE VALVE	FACE TO FACE BODY	: :	290mm CAST STEEL	1
183F1	6" GATE VALVE	FACE TO FACE BODY	: :	270mm CAST STEEL	1
184F1	6" GATE VALVE	FACE TO FACE BODY	: :	270mm CAST STEEL	1
185F1	6" GATE VALVE	FACE TO FACE BODY	: :	270mm CAST STEEL	1
ITEM No. ~~6 pcs. of~~ ~~None~~ 233	4" GATE VALVE	FACE TO FACE BODY	: :	215mm CAST IRON	~~6~~ 6
234 ~~7 pcs. of~~	4" GATE VALVE	FACE TO FACE BODY	: :	230mm CAST STEEL	~~7~~ 7
235 ~~6 pcs. of~~	4" GLOBE VALVE	FACE TO FACE BODY	: :	350mm CAST STEEL	~~6~~ 6
236 ~~2 pcs. of~~	3" GATE VALVE	FACE TO FACE BODY	: :	200mm CAST IRON	~~2~~ 2
237 ~~22 pcs. of~~	3" GATE VALVE	FACE TO FACE BODY	: :	200mm CAST STEEL	~~22~~ 22
238 ~~1 pc. of~~	3" GLOBE VALVE	FACE TO FACE BODY	: :	180mm CAST STEEL	1
239 ~~3 pcs. of~~	2½" GATE VALVE	FACE TO FACE BODY	: :	190mm CAST STEEL	~~3~~ 3
240 ~~1 pc. of~~	2½" GLOBE VALVE	FACE TO FACE BODY	: :	190mm GUN METAL	1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 745013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. No.	Name of Machinery	Brief Specification			Quantity	Remarks
ITEM. No. ~~None~~ 241	~~35 pcs. of~~ 2"GATE VALVE	FACE TO FACE BODY	: :	230mm CAST IRON	35 ~~35~~	
242	~~65 pcs. of~~ 2" GATE VALVE	FACE TO FACE BODY	: :	230mm CAST STEEL	65 ~~65~~	
243	~~22 pcs. of~~ 2" GATE VALVE	FACE TO FACE BODY	: :	140mm GUN METAL	22 ~~22~~	
244	~~11 pcs. of~~ 1½" GATE VALVE	FACE TO FACE BODY	: :	240mm CAST IRON	11 ~~11~~	
245	~~22 pcs. of~~ 1½" GATE VALVE	FACE TO FACE BODY	: :	240mm CAST STEEL	22 ~~22~~	
246	~~9 pcs. of~~ 1½" GLOBE VALVE	FACE TO FACE BODY	: :	200mm CAST STEEL	9 ~~7~~	
247	~~51 pcs. of~~ 1½" GLOBE VALVE	FACE TO FACE BODY	: :	130mm GUN METAL	51 ~~42~~	
248	~~13 pcs. of~~ 1" GATE VALVE	FACE TO FACE BODY	: :	130mm CAST IRON	13 ~~13~~	
249	~~3 pcs. of~~ 1" GATE VALVE	FACE TO FACE BODY	: :	130mm GUN METAL	3 ~~3~~	
250	~~26 pcs. of~~ 1" GLOBE VALVE	FACE TO FACE BODY	: :	100mm GUN METAL	26 ~~26~~	
251	~~9 pcs. of~~ 3/4" GLOBE VALVE	FACE TO FACE BODY	: :	65mm GUN METAL	9 ~~9~~	
252	~~2 pcs. of~~ 5/8" GATE VALVE	FACE TO FACE BODY	: :	100mm CAST STEEL	2 ~~2~~	
253	~~20 pcs. of~~ 5/8" GLOBE VALVE	FACE TO FACE	;	100mm	20 ~~20~~	

		BODY	: CAST STEEL	
247	~~51 pcs. of~~ 1½" GLOBE VALVE	FACE TO FACE BODY	: 130mm : GUN METAL	51 ~~42~~
248	~~13 pcs. of~~ 1" GATE VALVE	FACE TO FACE BODY	: 130mm : CAST IRON	13 ~~13~~
249	~~3 pcs. of~~ 1" GATE VALVE	FACE TO FACE BODY	: 130mm : GUN METAL	3 ~~3~~
250	~~26 pcs. of~~ 1" GLOBE VALVE	FACE TO FACE BODY	: 100mm : GUN METAL	26 ~~26~~
251	~~9 pcs. of~~ 3/4" GLOBE VALVE	FACE TO FACE BODY	: 65mm : GUN METAL	9 ~~9~~
252	~~2 pcs. of~~ 5/8" GATE VALVE	FACE TO FACE BODY	: 100mm : CAST STEEL	2 ~~2~~
253	~~20 pcs. of~~ 5/8" GLOBE VALVE	FACE TO FACE BODY	: 100mm : GUN METAL	20 ~~20~~
254	~~14 pcs. of~~ ½" GLOBE VALVE	FACE TO FACE BODY	: 72mm : GUN METAL	14 ~~14~~
255	8" ~~FAS~~ GAS PIPE	OUT DIA. TOTAL LENGTH	: 216.3mm : ~~110M~~ 43 M	1
256	6" GAS PIPE	OUT DIA. TOTAL LENGTH	: 165.2mm : ~~60M~~ 84 M	1
257	4" GAS PIPE	OUT DIA. TOTAL LENGTH	: 114.3mm : ~~290M~~ 147 M	1
258	3" GAS PIPE	OUT DIA. TOTAL LENGTH	: 89.1mm : ~~380M~~ 247 M	1
259	2" GAS PIPE	OUT DIA. TOTAL LENGTH	: 60.5mm : 510M	1
260	1½" GAS PIPE	OUT DIA. TOTAL LENGTH	: 48.6mm : ~~1200M~~ 661 M	1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. No. Item. No.	Name of Machinery	Brief Specification	Quantity	Remarks
~~None~~ 261	1" GAS PIPE	OUT DIA : 340mm TOTAL LENGTH : ~~420 M~~ 159 M	1	
~~2~~ 262	3/4" GAS PIPE	OUT DIA : 27.2mm TOTAL LENGTH : ~~300M~~ 63 M	1	
~~2~~ 263	½" GAS PIPE	OUT DIA : 21.7mm TOTAL LENGTH : ~~500M~~ 99 M	1	
186F1	LEVEL CONTROLLER	AIR ACTING FLOAT TYPE	1	FLOAT BROKEN
187F1	LEVEL CONTROLLER	AIR ACTING FLOAT TYPE	/	
188F1	LEVEL CONTROLLER	AIR ACTING FLOAT TYPE	1	FLOAT BROKEN
189F1	LEVEL CONTROLLER	AIR ACTING FLOAT TYPE	L	FLOAT BROKEN
190F1	LEVEL CONTROLLER	AIR ACTING FLOAT TYPE	1	FLOAT BROKEN
275F1	HOPPER	STEEL WORKS LENGTH : 2,000mm WIDTH : 2,100mm HEIGHT : 2,600mm	1	
276F1	HOPPER	DITTO	1	
277F1	STRAINER	VERTICAL & CYLINDRICAL UNDERGROUND, FLANGED TYPE DIA : 360mm HEIGHT : 600mm	1	
278F1	STRAINER	DITTO	1	

~~Sub Total~~

~~Quantity: 428~~

~~Item : 111~~
~~429~~

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

		WIDTH : 2,100mm HEIGHT : 2,600mm	
276F1	HOPPER	DITTO	1
277F1	STRAINER	VERTICAL & CYLINDRICAL UNDERGROUND, FLANGED TYPE DIA : 360mm HEIGHT : 600mm	1
278F1	STRAINER	DITTO	1

~~Sub Total~~

~~Quantity: 428~~

~~Item : 111~~

~~437~~

Sub Total

Item 111 (437 Pieces.)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 75501/3

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 745013

DRUM FILLING EQUIPMENT (45-5-F1)

Work sheet

(Plant evaluation No. 65 - 69)

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
256F1	AUTOMATIC DRUM FILLING MACHINE VERTICAL, ROTARY TYPE	4 DRUMS ~~4 DRUM~~ FILLING, MOTOR DRIVEN CAPACITY 60 DRUM/HR	1	WITH DRUWAL REDUCTION GEAR MISSING
257F1	DRUM FILLING MACHINE VERTICAL HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDATION~~
258F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDATION~~
259F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDATION~~
260F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDATION~~
261F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO. FOUNDATION~~
262F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDATION~~
263F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATICAL TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDATION~~
264F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDATION~~

260F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDATION~~
261F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO. FOUDATION~~
262F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDATION~~
263F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDATION~~
264F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDTION~~
265F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDATION~~
266F1	DRUM FILLING MACHINE VAERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDATION~~
267F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDATION~~
268F1	DRUM FILLING MACHINE VAERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	BALANCE BROKEN ~~NO FOUNDATION~~
269F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUNDATION~~
270F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	~~NO FOUDATION~~

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
271F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	NO FOUNDATION
272F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM 1 DRUM FILLING	1	NO FOUNDATION
273F1	DRUM FILLING MACHINE VERTICAL, HALF AUTOMATIC TYPE	BALANCE SYSTEM	1	NO FOUNDATION
Item. No. ~~None~~ 358	4" GATE VALVE	FACE TO FACE : 300mm BODY : CAST STEEL	1	
359	~~14 pcs. of~~ 3" GATE VALVE	FACE TO FACE : 210mm BODY : CAST IRON	~~14~~ 14	

~~Sub total, Quantity 33-33~~

~~Items 20-20~~

~~33~~

Sub Total

Item 20 (33 pieces)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DRUM MANUFACTURING EQUIPMENT (45-5-F7)

work sheet

(Plant evalution NO. 253 - 258)

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
1F7	ROLL BENDING MACHINE	MAX. PLATE THK. : 3.2mm MAX. PLATE WIDTH : 1,800mm FIX ROLLER : 2PCS DIA. : 185mm ADJUSTING ROLLER DIA : 230mm	1	MOTOR MISSING
~~2F7~~	~~HEMMING MACHINE~~	~~DRUM PLATE~~ ~~PLATE THICK : 2mm~~ ~~CAPACITY : 2 DRUMS.MIN~~	~~1~~	~~MOTOR MISSING~~
3F7	HEMMING MACHINE	DRUM PLATE PLATE THICK : 2mm CAPACITY : 2 DRUMS/MIN	1	MOTOR MISSING
~~4F7~~	~~CORRUGATION ROLL~~	~~DRUM SHELL~~ ~~DRUM DIA : 600mm~~ ~~LENGTH : 1,000mm~~ ~~CAPACITY : 2 DRUMS/MIN~~	~~1~~	~~MOTOR MISSING~~
5F7	CORRUGATION ROLL	DRUM SHELL DRUM DIA : 600mm LENGTH : 1,000mm CAPACITY : 2 DRUMS/MIN	1	MOTOR MISSING
6F7	FLASH BUTT WELDING MACHINE	DRUM SHELL LENGTH : 1,000mm CAPACITY : 80 DRUMS/MIN	1	MOTOR MISSING
7F7	FLASH BUTT WELDING MACHINE	DRUM SHELL LENGTH : 1,000mm CAPACITY : 80 DRUMS/MIN	1	MOTOR MISSING
8F7	GENERATOR ELECTRIC I.M.D. MOTOR	CAPACITY : 90 KW 60 V. 1,500 AMP.	1	
9F7	MOTOR FOR ABOVE A.C.	150 HP 3,300 V 24[illegible]	1	

		~~DRUM DIA : 600mm~~ ~~LENGTH : 1,000mm~~ ~~CAPACITY : 2 DRUMS/MIN~~		
5F7	CORRUGATION ROLL	DRUM SHELL DRUM DIA : 600mm LENGTH : 1,000mm CAPACITY : 2 DRUMS/MIN	1	MOTOR MISSING
6F7	FLASH BUTT WELDING MACHINE	DRUM SHELL LENGTH : 1,000mm CAPACITY : 80 DRUMS/MIN	1	MOTOR MISSING
7F7	FLASH BUTT WELDING MACHINE	DRUM SHELL LENGTH : 1,000mm CAPACITY : 80 DRUMS/MIN	1	MOTOR MISSING
8F7	GENERATOR ELECTRIC I.M.D. MOTOR	CAPACITY : 90 KW 60 V. 1,500 AMP.	1	
9F7	MOTOR FOR ABOVE A.C. INDUCTION	150 HP 3,300 V. 24A A NO. OF POLES : 6 1,175 R.P.M.	1	
10F7	PLUG MANUFACTURING PRESS MACHINE	ONE POINT VERTICAL CAPACITY : 500 PCS/DAY	1	MOTOR MISSING
11F7	PLUG SEAMING PRESS MACHINE	ONE POINT VERTICAL STROKE : 38mm CAPACITY : 1,600 DRUMS/10 HR	1	MOTOR MISSING
12F7	PLUG SEAMING PRESS MACHINE	ONE POINT VERTICAL STROKE : 38mm CAPACITY : 1,600 DRUMS/10 HR	1	MOTOR MISSING
~~13F7~~	~~DRUM RADIAL WELDING MACHINE~~	~~AUTOMATIC ELECTRIC CAPACITY : 8 DRUMS/HR WITH AUTOMATIC WELDING ROD FEED CONTROLLER 600A 60V~~	~~1~~	~~ELECTRIC BOARD BROKEN~~
~~14F7~~	~~PHEOSTAT~~	~~100 AMP. WITH 6 SWITCHES~~	~~1~~	~~MOROT MISSING SWITCH BROKEN~~

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
15F7	DRUM RADIAL WELDING MACHINE	AUTOMATIC ELECTRIC CAPACITY : 8 DRUMS/HR WITH ARTOCATIC WELDING ROD FEED CONTROLLER 600 A 60V	1	2 GUIDE ROLLER MISSING ELECTRIC BOARD BROKEN
16F7	RHEOSTAT	100 AMP. WITH 6 SWITCHES	1	MOTOR MISSING SWITCH BROKEN
17F7	DRUM RADIAL WELDING MACHINE	AUTOMATIC ELECTRIC CAPACITY 8 DRUMS/HR WITH AUTOMATIC WELDING ROD FEED CONTROLLER 600A60V	1	ELECTRIC BOARD BROKEN
18F7	RHOSTAT	10 - 200 AMP 6 SWITCHES	1	MOTOR MISSING SWITCH BOARD BROKEN
19F7	DRUM RADIAL WELDING MACHINE	AUTOMATIC ELECTRIC CAPACITY : 8 DRUMS/HR	1	ELECTRIC BOARD BROKEN WELDING RATE CONTROLLER ~~RATECONT ROLLER~~ MISSING RHOSTAT MISSING MOTOR MISSING
20F7	SEAMING MACHINE	DRUM TOP AND BOTTOM PLATE CAPACITY : 800 DRUMS/10 HR	1	MOTOR MISSING

~~Sub Total:~~

~~Quantity 20.~~

~~Items: 20 16~~

	WELDING MACHINE	AUTOMATIC ELECTRIC CAPACITY : 8 DRUMS/HR	1	ELECTRIC BOARD BROKEN WELDING RATE CONTROLLER ~~RATECONT ROLLER~~ MISSING RHOSTAT MISSING MOTOR MISSING
20F7	SEAMING MACHINE	DRUM TOP AND BOTTOM PLATE CAPACITY : 800 DRUMS/10 HR	1	MOTOR MISSING

~~Sub Total:~~

~~Quantity 20.~~

~~Items: 20 16~~

Sub Total

Item 16 (16 Pieces)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

HIGH PRESSURE STEAM BOILER PLANT (45-5-F14)

Work sheet
(Plant evaluation No. 333 - 336)

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
1F14	TAKUMAS BOILER WATER TUBE TYPE	WORKING PRESSURE : 30Kg/Cm^2 CAP : 6TON/HR HEATING AREA : 217.3M^2	1	
2F14	TAKUMA'S BOILER WATER TUBE TYPE	WORKING PRESSURE : 30Kg/Cm^2 CAP : 6TON/HR HEATING AREA : 217,3M^2	1	
3F14	FURNACE BOX TYPE	COMBUSSION CHAMBER : 31.2M^3 LENGTH : 6,000MM WIDTH : 4,000MM HEIGHT : 6,800MM	1	
4F14	FURNACE BOX TYPE	COMBUSSION CHANBER : 31.2M^3 LENGTH : 6,000MM WIDTH : 4,000MM HEIGHT : 6,800MM	1	
5F14	STEAM SUPER HEATER	VERTICAL CAPACITY : 6TON/HR PRESSURE : 30Kg/Cm^2 TEMP. : 300C HEATING AREA : 28M^2	1	
6F14	STEAM SUPER HEATER	VERTICAL CAPACITY : 6TON/HR PRESSURE : 30Kg/Cm^2 TEMP. : 300C HEATING AREA : 28M^2	1	
7F14	ECONOMIZER	HORIZONTAL HEATING AREA : 82M^2 DIA : 80MM LENGTH : 3,500MM TEMP. : 20C	1	

		HEIGHT : 6,800MM		
5F14	STEAM SUPER HEATER	VERTICAL CAPACITY : 6TON/HR PRESSURE : 30Kg/Cm^2 TEMP. : 300C HEATING AREA : 28M^2	1	
6F14	STEAM SUPER HEATER	VERTICAL CAPACITY : 6TON/HR PRESSURE : 30Kg/Cm^2 TEMP. : 300C HEATING AREA : 28M^2	1	
7F14	ECONOMIZER	HORIZONTAL HEATING AREA : 82M^2 DIA : 80MM LENGTH : 3,500MM TEMP. : 20C ROOF PIPE : 32	1	
8F14	ECONOMIZER	HORIZONTAL HEATING AREA : 82M^2 DIA : 80MM LENGTH : 3,500MM TEMP : 20C ROOF PIPE : 32	1	
9F14	FUEL OIL HEATER	HORIZONTAL DIA : 450MM LENGTH : 1,550MM	1	
10F14	FUEL OIL HEATER	HORIZONTAL DIA : 450MM LENGTH : 1,550MM	1	
11F14	FUEL OIL PUMP	GEAR TYPE MOTOR DIRECT DRIVEN CAPACITY : 1,100L/HR	1	MOTOR MISSING
12F14	FUEL OIL PUMP	GEAR TYPE MOTOR DIRECT DRIVEN CAPACITY : 1,100L/HR	1	MOTOR MISSING
13F14	FUEL OIL PUMP	GEAR TYPE MOTOR DIRECT DRIVEN CAPACITY : 1,100L/HR	1	MOTOR MISSING

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
14F14	FUEL OIL PUMP	GEAR TYPE MOTOR DIRECT DRIVEN CAPACITY : 1,100L/HR	1	MOTOR MISSING
	~~MOTOR (FOR 11F14 PUMP)~~	~~220V 60-1,750R.P.M. 1HP~~		~~MISSING~~
	~~MOTOR (FOR 12F14 PUMP)~~	~~220V 60-1,750R.P.M. 1HP~~		~~MISSING~~
	~~MOTOR (FOR 13F14 PUMP)~~	~~220V 60-1,750R.P.M. 1HP~~		~~MISSING~~
	~~MOTOR (FOR 14F14 PUMP)~~	~~220V 60-1,750R.P.M.1HP~~		~~MISSING~~
15F14	FUEL OIL BURNER ~~MOTOR~~ MOTOR	DIRECT DRIVEN DIA.: 500mm LENGTH : 150mm 3HP CAPACITY : 340L/HR	1	MOTOR MISSING
16F14	FUEL OIL BURNER ~~MOTOR~~ MOTOR	DIRECT DRIVEN DIA : 500mm LENGTH : 150mm CAPACITY : 340L/HR 3HP	1	DO.
17F14	FUEL OIL BURNER ~~MOTOR~~ MOTOR	DRIVEN DIA OF FAN : 500mm LENGTH : 150mm 3 HP CAPACITY : 340L/HR	1	DO.
18F14	FUEL OIL BURNER ~~MOTOR~~ MOTOR	DRIVEN DIA OF FAN : 500mm LENGTH : 150mm CAPACITY : 340L/HR	1	DO.

		CAPACITY : 340L/HR		
16F14	FUEL OIL BURNER ~~MOTOR~~ MOTOR	DIRECT DRIVEN DIA : 500mm LENGTH : 150mm CAPACITY : 340L/HR 3HP	1	DO.
17F14	FUEL OIL BURNER ~~MOTOR~~ MOTOR	DRIVEN DIA OF FAN : 500mm LENGTH : 150mm 3 HP CAPACITY : 340L/HR	1	DO.
18F14	FUEL OIL BURNER ~~MOTOR~~ MOTOR	DRIVEN DIA OF FAN : 500mm LENGTH : 150mm CAPACITY : 340L/HR	1	DO.
	~~MOTOR FOR BURNER~~	~~OPEN 220V 60-3HP~~ ~~2POLES 3,500R.P.M.~~		MISSING
	~~MOTOR FOR BURNER~~	~~OPEN 220V 60-3HP~~ ~~2POLES 3,500R.P.M.~~		MISSING
	~~MOTOR FOR BURNER~~	~~OPEN 220V 60-3HP~~ ~~2POLES 3,500R.P.M.~~		MISSING
	~~MOTOR FOR BURNER~~	~~OPEN 220V 60-3HP~~ ~~2POLES 3,500R.P.M.~~		MISSING
19F14	FEED WATER REGURATER	AUTOMATIC DIA OF PIPE : 100mm LENGTH : 3,000mm DIA OF REGURATER : 150mm	1	
20F14	FEED WATER REGURATER	AUTOMATIC DIA OF PIPE : 100mm LENGTH : 3,000mm DIA OF REGURATER : 150mm	1	
21F14	FEED WATER PUMP	MOTOR DRIVEN TURBINE 40HP HEAD : 340M;3,450R.P.M. CAPACITY : 168L/MIN	1	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
22F14	FEED WATER PUMP	MOTOR DRIVEN TURBINE 40HP HEAD : 340M : 3,450 R.P.M. CAPACITY : 168 L/MIN	1	
23F14	FEED WATER PUMP	STEAM DRIVEN SIMPLEX 210 X 150 X 450mm PUMP CAPACITY : 10 TON/HR	1	
24F14	FEED WATER PUMP	STEAM DRIVEN SIMPLEX 210 X 150 X 450mm PUMP CAPACITY : 10 TON/HR	1	CYLINDER BROKEN
25F14	FEED WATER PUMP	STEAM DRIVEN SIMPLEX 210 X 150 X 450mm PUMP CAPACITY : 10 TON/HR	1	
26F14	FEED WATER PUMP	STEAM DRIVEN SIMPLEX 210 X 150 X 450mm CAPACITY : 10 TON/HR	1	
27F14	FEED WATER PUMP	MOTOR DRIVEN TURBINE 40 HP 2.73M^3/MIN	1	
28F14	FEED WATER PUMP	MOTOR DRIVEN TURBINE 40 HP 2.73 M^3/MIN	1	
29F14	MOTOR FOR PUMP	ENCLOSED TYPE 220 V 60-3 POLES 3 PHASE 3460 R.P.M. 40 HP	1	
30F14	MOTOR FOR PUMP	ENCLOSED TYPE 220 V 60-3 POLES 3 PHASE 3460 R.P.M. 40 HP	1	
~~31F14~~	~~TRANS-FORMER~~	~~OUT DOOR CAPACITY : 3 KV~~ ~~PRIMARY VOLT : 3450 V~~ ~~VOLTAGE : 210 V-110V~~	~~1~~	
Item. No. ~~None~~ 3739	~~2 pcs. of~~ STOP VALVES 5"	BODY : CAST STEEL FACE TO FACE : 420mm	7 8	
3740	~~3 pcs. of~~ STOP VALVES	BODY : CAST STEEL	3 [illegible]	

		2.73M³/MIN	
28F14	FEED WATER PUMP	MOTOR DRIVEN TURBINE 40 HP 2.73 M³/MIN	1
29F14	MOTOR FOR PUMP	ENCLOSED TYPE 220 V 60-3 POLES 3 PHASE 3460 R.P.M. 40 HP	1
30F14	MOTOR FOR PUMP	ENCLOSED TYPE 220 V 60-3 POLES 3 PHASE 3460 R.P.M. 40 HP	1
~~31F14~~	~~TRANS-FORMER~~	~~OUT DOOR CAPACITY : 3 KV~~ ~~PRIMARY VOLT : 3450 V~~ ~~VOLTAGE : 210 V-110V~~	~~1~~
Item. No. ~~None~~ 3739	~~2 pcs. of~~ STOP VALVES 5"	BODY : CAST STEEL FACE TO FACE : 420mm	2 ~~1~~
3740 "	~~3 pcs. of~~ STOP VALVES 4"	BODY : CAST STEEL FACE TO FACE : 350mm	3 ~~1~~
3741 "	~~2 pcs. of~~ SAFETY VALVES 3"	BODY : CAST STEEL	2 ~~1~~
3742 "	~~2 pcs. of~~ AUTOMATIC ~~3"~~ VALUE 3"	BODY : CAST IRON	2 ~~1~~
3743 "	~~9 pcs. of~~ SLUICE VALVES 3"	BODY : CAST IRON FACE TO FACE : 200mm	9 ~~8~~
3744 "	~~2 pcs. of~~ SLUICE VALVES 3"	BODY : CAST IRON FACE TO FACE : 175mm	2 ~~1~~
3745 "	~~2 pcs. of~~ ANGLE VALVES 3"	BODY : CAST IRON FACE TO FACE : 330mm	2 ~~1~~

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Inv. No. Item. No.	Name of Machinery	Brief Specification		Quantity	Remarks
~~None~~ 3746	~~2 pcs. of~~ CONTROLL VALVES 2½"	BODY FACE TO FACE	: CAST STEEL : ~~330~~ 225mm	2	
3747	~~4 pcs. of~~ STOP VALVES 2"	BODY FACE TO FACE	: BRONZE : ~~325~~ 150mm	4	
3748	~~2 pcs. of~~ SLUICE VALVES 2"	BODY FACE TO FACE	: CAST IRON : 120mm	2	
3749	~~7 pcs. of~~ STOP VALVES 2"	BODY	: CAST STEEL	7	
3750	~~18 pcs. of~~ STOP VALVES 2"	BODY	: CAST STEEL	~~18~~ 18	
3751	~~4 pcs. of~~ RELEY VALVES 2"	BODY	: CAST STEEL	4	
3752	~~12 pcs. of~~ STOP VALVES 1½"	BODY	: BRONZE	~~12~~ 12	
3753	~~9 pcs. of~~ STOP VALVES 1"	BODY FACE TO FACE	: CAST STEEL : 140mm	9	
3754	~~8 pcs. of~~ ANGLE VALVES 1"	BODY	: CAST IRON	8	
3755	~~4 pcs. of~~ ANGLE VALVES 3/4"	BODY	: CAST IRON	4	
3756	~~4 pcs. of~~ STOP VALVES ½"	BODY FACE TO FACE	: CAST STEEL : 135mm	4	
3757	PIPE (STEAM)	O.D. TOTAL LENGTH	: 139mm : 18M	1	
3758	PIPE (STEAM)	O.D. TOTAL LENGTH	: 109mm : 23M	1	
3759	PIPE (STEAM)	O.D. TOTAL LENGTH	: 83mm : 42M	1	
3760	PIPE (WATER)	NOMINAL SIZE TOTAL LENGTH	: 75mm : 30M	1	
3761					

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	ANGLE VALVES 1"	BODY	: CAST IRON	8
3755	~~4 pcs of~~ ANGLE VALVES 3/4"	BODY	: CAST IRON	4
3756	~~4 pcs. of~~ STOP VALVES ½"	BODY FACE TO FACE	: CAST STEEL : 135mm	4
3757	PIPE (STEAM)	O.D. TOTAL LENGTH	: 139mm : 18M	1
3758	PIPE (STEAM)	O.D. TOTAL LENGTH	: 109mm : 23M	1
3759	PIPE (STEAM)	O.D. TOTAL LENGTH	: 83mm : 42M	1
3760	PIPE (WATER)	NOMINAL SIZE TOTAL LENGTH	: 75mm : 30M	1
3761	PIPE (STEAM)	O.D. TOTAL LENGTH	: 58mm : 50M	1
3762	PIPE (STEAM)	O.D. TOTAL LENGTH	: 42mm : 55M	1
3763	PIPE (STEAM)	O.D. TOTAL LENGTH	: 32mm : 30M	1
3764	PIPE (STEAM)	O.D. TOTAL LENGTH	: 26mm : 20M	1

~~Sub Total~~

~~Quantity 145~~

~~Items 56 59 56~~

~~134~~

Sub Total

Item 56 (134 Pieces)

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DUO-SOL EXTRACTION PLANT (45-5-6)

(EVALUATION WORK SHEET NO. 463-513)

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
706 6(17)	STEAM TURBINE	NO OF NOZZLE : 2PCS. HORSE POWER : 40H.P. P.R.M. : 3500 DIA : 250mm. STEAM PRESS : 7KG/CM^2	1	
707 6(16)	STEAM TURBINE	DITTO	1	
6 (12)	STEAM TURBINE	2 STAGE HORSE POWER : ~~40~~ 90 H.P. R. P. M. : 3600 DIA : 250mm STEAM PRESS : 7KG/CM^2	1	
703 5(12)	PROPANE COMPRESSOR HORIZONTAL, RECIPROCATING TYPE	2 STAGE SINGLE CYLINDER LOW PRESS 75 HP CYLINDER DIA : 250mm HEIGHT PRESS CYL DIA : 130mm STROKE : 280mm	1	
709 6(7)	PROPANE COMPRESSOR HORIZONTAL RECIPROCATING	DITTO	1	
709	PROPANE COMPRESSOR HORIZONTAL, RECIPROCATING	2 STAGE SINGLE CYLINDER LOW PRESS. CYLINDER DIA: 250mm HIGHT PRESS. CYL. - DIA : 120mm	~~1~~	
710	PUMP FOR CRUDE CHARGE WORTHINGTON	STEAM DRIVEN, ~~WORTHINGTON~~ DUPLEX PUMP SIZE : 350X150X300 CAP: 300 Gal/min	1	
711	PUMP FOR CRUDE CHARGE WORTHINGTON	STEAM DRIVEN DUPLEX PUMP SIZE : 350X150X300	1	

709 5(12)	PROPANE COMPRESSOR HORIZONTAL, RECIPROCATING TYPE	STEAM PRESS : 7KG/CM2 75 HP 2 STAGE SINGLE CYLINDER LOW PRESS CYLINDER DIA : 250mm HEIGHT PRESS CYL DIA : 130mm STROKE : 280mm	1	
709 6(7)	PROPANE COMPRESSOR HORIZONTAL RECIPROCATING	DITTO	1	
710	PUMP FOR CRUDE CHARGE WORTHINGTON	STEAM DRIVEN, ~~WORTHINGTON~~ DUPLEX PUMP SIZE : 350X150X300 CAP: 300 gal/min	1	
711	PUMP FOR CRUDE CHARGE WORTHINGTON	STEAM DRIVEN DUPLEX PUMP SIZE : 350X150X300 CAP: 300 gal/min	1	
712 6(3)	PUMP FOR PROPANE CHARGE	CAPACITY : 35 L/S.	1	
713 6(4)	PUMP FOR PROPANE CHARGE	CENTRIFUGAL, 2 STAGE, MOTOR DRIVEN CENTRIFUGAL, 2 STAGE MOTOR DRIVEN CAPACITY : 35 L/S	1	
6 (6)	PUMP FOR PROPANE UNLOADING	STEAM DRIVEN SIMPLEX PUMP SIZE : 250X170X300	1	
714 6(1)	PUMP FOR SELECT CHARGE	CENTRIFUGAL, 4 STAGS CAPACITY : 16.5L/MIN	1	
715 6(2)	PUMP FOR SELECT CHARGE	DITTO	1	
6 (5)	PUMP FOR SELECT UNLOADING	STEAM DRIVEN, WORTHINGTON ~~TYPE~~ PUMPSIZE : 230X130X250	1	
6 (75)	PUMP FOR EXTRACTOR CIRCULATING	CENTRIFUGAL, 1-STAGE CAPACITY : 626L/S	1	MOTOR MISSING
6 (35)	PUMP FOR EXTRACTOR CIRCULATING	CENTRIFUGAL, 1-STAGE CAPACITY : 170XL/HR	1	BROKEN PART: BEARING CASE MOTOR MISSING

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
6 (72)	PUMP FOR EXTRACTOR CIRCULATING	CENTRIFUGAL, 1-STAGE CAPACITY : 186KL/HR	1	BROKEN PART:BEARING CAST MOTOR : MISSING
6 (29)	PUMP FOR WASTE OIL	CENTRIFUGAL, 1-STAGE, MOTOR DRIVEN CAPACITY : 2L/SEC	1	
716 6 (15)	PUM FOR P-1 HEATER CIRCULATING	CENTRIFUGAL, 2-STAGE CAPACITY : ~~12.5~~L/SEC TURBINE DRIVEN 15.2	1	
717 6 (17)	PUMP FOR P-1 HEATER CIRCULATING	CENTRIFUGAL, 2-STAGE TURBINE DRIVEN CAPACITY : 15.2L/SEC	1	
6 (13)	PUMP FOR P-2 HEATER CIRCULATING	CENTRIFUGAL, MOTOR DRIVEN CAPACITY : 0.55KL/MIN	1	MOTOR MISSING
718 6 (16)	PUMP FOR P-2 HEATER CIRCULATING	DITTO	1	
6 (8)	DRAWING PUMP FOR PURIFIED OIL	STEAM DRIVEN, SIMPLEX PUMP SIZE : 400X160X150	1	
6 (9)	DRAWING PUMP FOR PURIFIED OIL.	STEAM DRIVEN, SIMPLEX PUM SIZE : 400X160X150	1	
719	PUMP FOR N-1 HEATER CIRCULATING	CENTRIFUGAL, 2-STAGE, TURBINE DRIVEN CAPACITY : 43.8L/SEC	1	BEARING CASE: BROKEN
720	PUMP FOR N-1 HEATER CIRCULATING	DITTO	1	BEARING CASE:BROKEN

		CAPACITY : 10.2L/SEC		
6 (13)	PUMP FOR P-2 HEATER CIRCULATING	CENTRIFUGAL, MOTOR DRIVEN CAPACITY : 0.55KL/MIN	1	MOTOR ~~X~~ MISSING
718 6 (16)	PUMP FOR P-2 HEATER CIRCULATING	DITTO	1	
6 (8)	DRAWING PUMP FOR PUR-`IFIED OIL	STEAM DRIVEN, SIMPLEX PUMP SIZE : 400X160X150	1	
6 (9)	DRAWING PUMP FOR PURI-FIED OIL.	STEAM DRIVEN, SIMPLEX PUM SIZE : 400X160X150	1	
719	PUMP FOR N-1 HEATER CIRCULATING	CENTRIFUGAL, 2-STAGE, TURBINE DRIVEN CAPACITY : 43.8L/SEC	1	BEARING CASE: BROKEN
720	PUMP FOR N-1 HEATER CIRCULATING	DITTO	1	BEARING CASE:BROKEN
721 6 (12)	PUMP FOR N-1 HEATER CIRCULATING	DITTO	1	
722	PUM FOR EXTRACT DISCHARGE	STEAM DRIVEN, SIMPLEX PUMP SIZE : 500X170X450	1	CONNECTION ARM: BROKEN
6 (11) 6 (10)	PUMP FOR EXTRACT DISCHARGE	STEAM DRIVEN, SIMPLEX PUMP SIZE : 500X170X450	1	
723 6 (4)	PUMP FOR SELECT DIS-CHARGE	CENTRIFUGAL, MOTOR DRIVEN CAPACITY : 159KL/MIN	1	
724 6 (14)	PUMP FOR SELECT DIS-CHARGE	DITTO	1	
725	PUMP FOR ~~S~~W-3 WATER PUMP	STEAM DRIVEN, WORTHINGTON PUMP SIZE : 190X76X150	1	
6 (42)	HEAT EXCHANGER FOR EXTRACT(DRY SELECT)	SHELL & TUBE TYPE SHELL OUT DIA: 820mm LENGTH : 5,550mm TUBE MATERIAL: ADMIRALTY SURFACE : 195M^2	1	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
6 (55)	HEAT EXCHANGER FOR EXTRACT (DRY SELECT)	SHELL & Tube Type SHELL OUT DIA: 820 mm LENGTH : 5,550mm TUBE MATERIAL: ADMIRALTY SUREAGE : 195M	1	
6 (45)	HEAT EXCHANGER FOR PRODUCT OIL	SHELL & TUBE TYPE SHELL OUT DIA: 810mm LENGTH : 5,550mm AREA OF HEAT EXCHANGING SURFACE : 62.5M^2 SHELL : WELDED STEEL PLATE,	1	
6 (46)	HEAT EXCHANGER FOR PRODUCT OIL	DITTO	1	
6 (46)	HEAT EXCHANGER FOR PRODUCT OIL	DITTO	1	
6 (47)	HEAT EXCHANGER FOR PRODUCT OIL	DITTO	1	
6 (44)	HEAT EXCHANGER FOR EXTRACT (WET SELECT)	SHELL & TUBE TYPE SHEEL OUT DIA : 720mm LENGTH : 5,700mm TUBE MATERIALS: ADMIRALTY ~~METAL~~, SHELL MATERIAL : WELDED STEEL PLATE, AREA OF HEAT EXCHANGING SURFACE : 125M^2	1	
6 (45)	HEAT EXCHANGER FOR EXTRACT(WET SELECT)	SHELL & TUBE TYPE SHELL OUT DIA: 720mm LENGTH : 5,700mm TUBE MATERIAL: ~~STEEL PLATE~~ ADMIRALTY	1	

6 (46)	HEAT EXCHANGER FOR PRODUCT OIL	DITTO	1	
6 (47)	HEAT EXCHANGER FOR PRODUCT OIL	DITTO	1	
6 (44)	HEAT EXCHANGER FOR EXTRACT (WET SELECT)	SHELL & TUBE TYPE SHEEL OUT DIA : 720mm LENGTH : 5,700mm TUBE MATERIALS: ADMIRALTY ~~METAL~~, SHELL MATERIAL : WELDED STEEL PLATE, AREA OF HEAT EXCHANGING SURFACE : $125M^2$	1	
6 (45)	HEAT EXCHANGER FOR EXTRACT(WET SELECT)	SHELL & TUBE TYPE SHELL OUT DIA: 720mm LENGTH : 5,700mm TUBE MATERIAL: ~~STEEL PLATE,~~ ADMIRALTY AREA OF HEAT EXCHANGING SURFACE : $125M^2$ SHELL MATERIAL: WELDED STEEL PLATE	1	
6 (58)	GENERATOR FOR PARAPHINIC VAPOUR	SHELL & TUBE TYPE SHELL OUT DIA: 760mm LENGTH : 5,200mm SHELL : STEEL PLATE, AREA OF HEAT EXCHANGING SURFACE : $40M^2$	1	
6 (59)	GENERATOR FOR PARAPHINIC VAPOUR	DITTO	1	
6 (56)	GENERATOR FOR NAPHTHANIC VAPOUR	DITTO	1	
6 (57)	GENERATOR FOR NAPHTHANIC VAPOUR	DITTO	1	
6 (60)	GENERATOR FOR STEAM (SPARE)	HORIZONTAL SHELL & TUBE TYPE SHEEL OUT DIA: 610mm LENGTH : 2,700mm TUBE MATERIAL: ADMIRALTY	1	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
		AREA OF HEAT EXCHANGING SURFACE : $32M^2$		
6 (61)	GENERATOR FOR STEAM (SPARE)	DITTO	1	
6 (38)	CONDENSER FOR PROPANE VENT	HORIZONTAL, SHELL & TUBE TYPE SHELL OUT DIA: 500mm LENGTH : 2,900mm AREA OF COOLING SURFACE : $14M^2$	1	
6 (30)	CONDENSER FOR PROPANE	HORIZONTAL, SHELL & TUBE TYPE SHELL OUT DIA: 720mm LENGTH : 5,750mm TUBE MATERIAL: ADMIRALITY METAL AREA OF COOLING SURFACE : $144M^2$	1	SHELL AND TUBE BROKEN 5 %
6 (31)	CONDENSER FOR PROPANE	DITTO	1	
6 (32)	CONDENSER FOR PROPANE	DITTO	1	
6 (33)	CONDENSER FOR PROPANE	DITTO	1	
6 (34)	CONDENSER FOR PROPANE	DITTO	1	SHELL AND TUBE BROKEN 10 %
726 6 (73)	CONDENSER FOR W-1 WATER	VERTICAL, SHELL & TUBE TYPE SHELL OUT DIA: 1,100mm HEIGHT : 6,500mm	1	SHELL AND TUBE BROKEN 20 %
727 6 (73)	CONDENSER FOR W-1 WATER	DITTO	1	
[illegible]	COOLER FOR [illegible] OIL	HORIZONTAL SHELL & TUBE	1	

		TUBE MATERIAL: ADMIRALITY METAL AREA OF COOLING SURFACE : 144M²		
6 (31)	CONDENSER FOR PROPANE	DITTO	1	
6 (32)	CONDENSER FOR PROPANE	DITTO	1	
6 (33)	CONDENSER FOR PROPANE	DITTO	1	
6 (34)	CONDENSER FOR PROPANE	DITTO	1	SHELL AND TUBE BROKEN 10 %
726 6 (73)	CONDENSER FOR W-1 WATER	VERTICAL, SHELL & TUBE TYPE SHELL OUT DIA: 1,100mm HEIGHT : 6,500mm	1	SHELL AND TUBE BROKEN 20 %
727 6 (73)	CONDENSER FOR W-1 WATER	DITTO	1	
6 (41)	COOLER FOR MIXING OIL	HORIZONTAL SHELL & TUBE TYPE SHELL OUT DIA: 800mm LENGTH : 5,650mm TUBE MATERIAL: ADMIRALTY METAL COOLING SURFACE: 185M²	1	
6 (39)	COOLER FOR SELECT CHARGE	HORIZONTAL, SHELL & TUBE TYPE SHELL OUT DIA: 560mm LENGTH : 5,620mm TUBE MATERIAL: ADMIRALTY METAL, COOLING SURFACE: 92.5M²	1	SHELL AND TUBE BROKEN 5 %
6 (40)	COOLER FOR SELECT CHARGE	DITTO	1	
6 (52)	COOLER FOR SELECT CHARGE	HORIZONTAL, SHELL & TUBE TYPE. SHELL OUT DIA: 560mm LENGTH : 5,800mm	1	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
		TUBE MATERIAL: ADMIRALTY METAL COOLING SURFACE: 100m²		
728 6(53)	COOLER FOR SELECT	DITTO	1	
729 6(53)	COOLER FOR SELECT	DITTO	1	
6 (54)	COOLER FOR SELECT	DITTO	1	
730	TRANSFORMER	50K.V.A.	1.	
731 6(3)	MOTOR SEMI CLOSED TYPE	A.C. INDUCTION MOTOR 75HP 3,520R.P.M. 3,300V., 60 Cycle	1	
732 6(4)	MOTOR SEMI CLOSED TYPE	DITTO	1	
733 6(1)	MOTOR CLOSED TYPE	A.C. INDUCTION MOTOR 100 H.P. 3520 R.P.M. 3.300 V 60 Cycle	1	
734 6(2)	MOTOR CLOSED TYPE	DITTO	1	
734	MOTOR CLOSED TYPE	DITTO.	1	

731 6(3)	MOTOR SEMI CLOSED TYPE	A.C. INDUCTION MOTOR 75HP 3,520R.P.M. 3,300V., 60 Cycle	1	
732 6(4)	MOTOR SEMI CLOSED TYPE	DITTO	1	
733 6(1)	MOTOR CLOSED TYPE	A.C. INDUCTION MOTOR 100 H.P. 3520 R.P.M. 3.300 V 60 Cycle	1	
734 6(2)	MOTOR CLOSED TYPE	DITTO	1	
734	MOTOR CLOSED TYPE	DITTO.	1	
735	MOTOR VERTICAL, CLOSED TYPE	A.C. INDUCTION MOTOR 7,5 H.P. 3,490 R.P.M. 220 V 60 Cycle	1	
736	MOTOR SEMI CLOSED TYPE	A.C. INDUCTION MOTOR 50 HP. 3,510 R.P.M. 200V. 60 Cycle	1	
737	MOTOR CLOSED TYPE	A.C. INDUCTION MOTOR 100 HP. 3,520 R.P.M. 3,300V. 60 Cycle	1	
738 6(12)	MOTOR CLOSED TYPE	DITTO	1	
739 6(10)	MOTOR CLOSED TYPE	A.C. INDUCTION MOTOR 40 HP. 3,500 R.P.M. 220V. 60 Cycle	1	
740 6(14)	MOTOR CLOSED TYPE	A.C. INDUCTION MOTOR 40HP 3,500R.P.M. 220V. 60Cycle	1	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
741 5(12)	MOTOR SEMI CLOSED TYPE	A.C. INDUCTION MOTOR 75H.P. 875R.P.M. 3,300V 60Cycle 3o	1	
742 6(7)	MOTOR SEMI CLOSED TYPE	DITTO	1	
743	AIR CIRCUIT BRAKER	BOX SIZE : LENGTH 750mm WIDTH 1,120mm HEIGHT L,520mm 1200A. 250V.	1	
744	AIR CIRCUIT BRAKER	DITTO	1	
745	OIL SWITCH	BOX SIZE : LENGTH 600mm WIDTH 520mm HEIGHT 650mm 2,000A 200V	1	
746	NO.7 SWITCH BOX	BOX SIZE LENGTH : 600mm WIDTH : 410mm HEIGHT : 1,100mm 50H.P. 220V 300A	1	
747	NO.14 SWITCH BOX	BOX SIZE LENGTH : 600mm WIDTH : 410mm HEIGHT : 1,100mm 40H.P. 220V 200A	1	
748	NO.17A SWITCH BOX	DITTO	1	
749	NO. 17B SWITCH BOX	DITTO	1	
		DITTO	1	

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		HEIGHT 650mm 2,000A 200V		
746	NO.7 SWITCH BOX	BOX SIZE LENGTH : 600mm WIDTH : 410mm HEIGHT : 1,100mm 50H.P. 220V 300A	1	
747	NO.14 SWITCH BOX	BOX SIZE LENGTH : 600mm WIDTH : 410mm HEIGHT : 1,100mm 40H.P. 220V 200A	1	
748	NO.17A SWITCH BOX	DITTO	1	
749	NO. 17B SWITCH BOX	DITTO	1	
750	NO.21 SWITCH BOX	DITTO	1	
751	No. 24 SWITCH BOX	DITTO	1	
752	No. 23 SWITCH BOX	BOX SIZE LENGTH : ~~470mm~~ 400mm WIDTH : 320mm HEIGHT : 950mm 30HP. 220V 150A	1	
753	No. 18A SWITCH BOARD	BOX SIZE LENGTH : 850mm WIDTH : 400mm HEIGHT : 270mm 15HP 220V 75A	1	
754	NO. 18B SWITCH BOARD	BOX SIZE LENGTH : 850mm WIDTH : 400mm HEIGHT : 250mm 10HP. 220V 75A	1	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
755	NO. 16 SWITCH BOARD	BOX SIZE LENGTH : 780mm WIDTH : 400mm HEIGHT : 250mm 2.5HP. 220V 40A	1	
756	NO.26 SWITCH BOARD	DITTO	1	
757	NO.28A SWITCH BOARD	BOX SIZE LENGTH : 240mm WIDTH : 400mm HEIGHT : 780mm 3H.P. 220V. 20A	1	
758	NO.28B SWITCH BOARD	DITTO.	1	
759	NO.5 SWITCH BOARD	BOX SIZE LENGTH : 780mm WIDTH : 280mm HEIGHT : 210mm 2H.P. 220V 15A	1	
760	DISTRIBUTOR	BOX SIZE LENGTH : 1,600mm WIDTH : 850 mm HEIGHT : 170mm WITH 20 SWITCHS 250V. 30A	1	
761	DISTRIBUTOR	BOX SIZE LENGTH : 900mm WIDTH : 720mm HEIGHT : 115mm WITH 10 SWITCHES 250V 30A	1	COVER BROKEN
[illegible]	[illegible]	BOARD SIZE	1	

			1	
759	NO.5 SWITCH BOARD	BOX SIZE LENGTH : 780mm WIDTH : 280mm HEIGHT : 210mm 2H.P. 220V 15A	1	
760	DISTRIBUTOR	BOX SIZE LENGTH : 1,600mm WIDTH : 850 mm HEIGHT : 170mm WITH 20 SWITCHS 250V. 30A	1	
761	DISTRIBUTOR	BOX SIZE LENGTH : 900mm WIDTH : 720mm HEIGHT : 115mm WITH 10 SWITCHES 250V 30A	1	COVER BROKEN
762	ELECTRIC BOARD	BOARD SIZE LENGTH : 2,950mm HEIGHT : 2,280mm OIL BRAKER : HIGH VOLTAGE 3,300V 300A LOW VOLTAGE 250V 2000A WITH 10 SWITCHES 2 SWITCH : 250V 800A 3 SWITCH : 250V 200A 2 SWITCH : 250V 400A 1 SWITCH : 250V 100A 2 SWITCH : 250V 80A	1	
6 (63)	P-1 EVAPORATOR FOR PROPANE	VERTICAL, CYLINDERICAL TYPE DIAMETER : 1,820mm HEIGHT : 9,900mm WITH 4 TRAYS, APRON TYPE	1	HEAT INSULATION BROKEN ABOUT 50%
6 (65)	P-2 EVAPORATOR FOR CERECT	VERTICAL, CYLINDRICAL TYPE DIAMETER : 1,680mm HEIGHT : 10,300mm VOLUME : 18M^3 WITH 10 TRATS, APRON TYPE	1	HEAT INSULATION, BROKEN ABOUT 50%

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Inv. No.	Name of Machinery	Brief Specification	QUANTITY	Remarks
6 (64)	N-1 EVAPORATOR FOR PROPANE	VERTICAL, CYLINDRICAL TYPE DIAMENTER : 1,680mm HEIGHT : 12,200mm WITH 7 TRAYS, APRON TYPE	1	
6 (66)	N-2 EVAPORATOR FOR SELECT	VERTICAL, CYLIDRICAL TYPE DIA. OF UPPER PART: 1,850mm DIA.OF LOWER PART: 3,030mm TOTAL HEIGHT : 10,000mm NO. OF TRAYS : 7 TYPE OF TRAYS : APRON TYPE	1	
6 (69)	W-1 EVAPORATOR FOR WATER	VERTICAL CYLINDRICAL TYPE DIA OF UPPER PART : 2M DIA OF LOWER PART : 3M TOTAL HEIGHT : 9.25M NO. OF TRAYS : 5 TYPE OF TRAYS : APRON TYPE	1	
6 (67)	P-3 STRIPPER FOR SELECT	VERTICAL, CYLINDRICAL TYPE DIAMETER : 820mm HEIGHT : 7,650mm NO. OF TRAYS : 6 TYPE OF TRAYS : APRON TYPE	1	HEAT INSULATION BROKEN ABOUT 50%
6 (68)	N-3 STRIPPER FOR SELECT	DITTO	1	
6 (49)	EXTRACTOR	HORIZONTAL CYLINDRICAL TYPE DIAMETER : 1,690mm LENGTH : 13,700mm THICK OF SIDE PLATE : 32mm VOLUME : $30M^3$	1	HEAT INSULATION BROKEN

		DIA OF LOWER PART : 3M TOTAL HEIGHT : 9.25M NO. OF TRAYS : 5 TYPE OF TRAYS : APRON TYPE		
6 (67)	P-3 STRIPPER FOR SELECT	VERTICAL, CYLINDRICAL TYPE DIAMETER : 820mm HEIGHT : 7,650mm NO. OF TRAYS : 6 TYPE OF TRAYS : APRON TYPE	1	HEAT INSULATION BROKEN ABOUT 50%
6 (68)	N-3 STRIPPER FOR SELECT	DITTO	1	
6 (49)	EXTRACTOR	HORIZONTAL CYLINDRICAL TYPE DIAMETER : 1,690mm LENGTH : 13,700mm THICK OF SIDE PLATE : 32mm VOLUME : $30M^3$	1	HEAT INSULATION BROKEN
6 (50)	EXTRACTOR	HORIZONTAL, CYL. TYPE DIAMETER : 1,380mm LENGTH : 13,700mm THICK OF SIDE: PLATE: 25mm VOLUME : $36M^3$	1	
6 (51)	EXTRACTOR	HORIZONTAL, CYL. TYPE DIAMETER : 1,220mm LENGTH : 13,700mm THICK OF SIDE PLATE: 22mm VOLUME : $16M^3$	1	SIDE PLATE BROKEN 5 %
6 (62)	CRUDE MIXER	HORIZONTAL, CYLINDERICAL TYPE DIAMETER : 650mm LENGTH : 2,470mm VOLUME : $0,8M^3$	1	
6 (26)	TANK FOR PROPANE STORAGE	HORIZONTAL CYLINDERICAL TYPE DIAMETER : 1,830mm LENGTH : 15,250mm THICK OF SIDE PLATE: 28mm CAPACITY : 40KL	1	
763 6 (27)	TANK FOR PROPANE STORAGE	DITTO	1	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
764 6 (27)	TANK FOR PROPANE STORAGE	HORIZONTAL CYLINDRICAL TYPE DIA : 1830mm LENGTH : 15,250 mm ~~DITTO~~ THICK OF SIDE PLATE : 28mm CAPACITY : 40 KL	1	
6 (24)	TANK FOR SELECT STORAGE	VERTICAL, CYLINDRICAL TYPE DIAMETER : 5,500mm HEIGHT : 4,570mm CAPACITY : 16KL	1	
6 (25)	TANK FOR SELECT STORAGE	DITTO	1	BROKEN BY BULLET HOLES ON THE SIDE PLATE IS ABOUT 5%
6 (70)	W-2 TANK FOR WATER REFLUX	VERTICAL CYLINDRICAL TYPE DIAMETER : 2,440mm HEIGHT : 3,000mm CAPACITY : 14KL	1	BROKEN BY BULLET HOLES ON THE SIDE PLETE IS ABOUT 10%
6 (71)	W-3 WATER SEPARATOR	VERTICAL CYLINDRICAL TYPE DIAMETER : 2,440mm HEIGHT : 2,440mm CAPACITY : 11.5KL	1	BROKEN BY BULLET HOLES ON THE SIDE PLATE IS ABOUT 10%
6 (28)	BUTANE SEPARATOR	VERTICAL CYLINDERICAL TYPE DIAMETER : 610mm HEIGHT : 1,500mm CAPACITY : 0,44M^3	1	
6 (43)	SUCTION TRAP	VERTICAL, CYLINDRICAL TYPE DIA : 760mm HEIGHT : 1,860mm VOLUME : 0.8M^3	1	
6 (62)	TANK FOR SEAL OIL	VERTICAL CYLINDRICAL TYPE DIA : 1,670mm HEIGHT : 2,750mm THICK OF SIDE PLATE:6mm CAPACITY : 6KL	1	

				PLETE IS ABOUT 10%
6 (71)	W-3 WATER SEPARATOR	VERTICAL CYLINDRICAL TYPE DIAMETER : 2,440mm HEIGHT : 2,440mm CAPACITY : 11.5KL	1	BROKEN BY BULLET HOLES ON THE SIDE PLATE IS ABOUT 10%
6 (28)	BUTANE SEPARATOR	VERTICAL CYLINDERICAL TYPE DIAMETER : 610mm HEIGHT : 1,500mm CAPACITY : 0,44M^3	1	
6 (43)	SUCTION TRAP	VERTICAL,CYLINDRICAL TYPE DIA : 760mm HEIGHT : 1,860mm VOLUME : 0.8M^3	1	
6 (62)	TANK FOR SEAL OIL	VERTICAL CYLINDRICAL TYPE DIA : 1,670mm HEIGHT : 2,750mm THICK OF SIDE PLATE:6mm CAPACITY : 6KL	1	
765	TANK FOR WASTE OIL	VERTICAL CYLINDRICAL TYPE DIAMETER : 910mm HEIGHT : 3,000mm CAPACITY : 2KL	1	
6 (21)	P-1 HEATER	BADGER TYPE OIL HEATING, PIPE STILL NO. OF TUBES : 80PCS OUT DIA. : 127mm THICKNESS. : 9,5mm LENGTH : ~~7,010mm~~ 6750mm HEATER DIMENSION LENGTH : 6,700mm WIDTH : 3,120mm HEIGHT : 4,100mm	1	
6 (20)	P-2 HEATER	BADGER TYPE OIL HEATING,PIPI STILL NO. OF TUBE : 28PCS OUT DIA : 89mm THICKNESS : 8mm LENGTH : 6,705mm	1	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
6 (22)	N-1 HEATER	HEATER DIMENSION LENGTH : 6,700mm WIDTH : 3,120mm HEIGHT : 4,100mm BADGER TYPE OIL HEATING, PIPE STILL NO. OF TUBE : 112PCS OUT DIA : 152mm THICKNESS : 127mm LENGTH : 9,753mm HEATER DIMENSION LENGTH : 9,000mm WIDTH : 7,000mm HEIGHT : 5,500mm	1	FLOOR TUBE PCS BROKEN
6 (23)	N-2 HEATER	BADGER TYPE OLD HEATING PIPE STILL NO. OF TUBE : 92PCS OUT DIA. : 152mm THICKNESS : 12.7mm HEATER DIMENSION LENGTH : 6,000mm WIDTH : 4,750mm HEIGHT : 4,700mm	1	FLOOR TUBE 11PCS BROKEN
6 (41)	COOLER FOR TAR AND OIL	BOX COOLER COIL COOLING TYPE COIL : 100mm GAS PIPE AREA OF COOLING SURFACE : ~~50M²~~ 80 M²	1	
766	STEEL STRUCTURE	LENGTH : 33.5M WIDTH : 6M HELGHT : 9M	1	
767	12" GATE VALVE	BODY MATERIAL : CAST IRON	1	VALVE COVER: BROKEN

6 (23)	N-2 HEATER	BADGER TYPE OLD HEATING PIPE STILL NO. OF TUBE : 92PCS OUT DIA. : 152mm THICKNESS : 12.7mm HEATER DIMENSION LENGTH : 6,000mm WIDTH : 4,750mm HEIGHT : 4,700mm	1	FLOOR TUBE 11PCS BROKEN
6 (41)	COOLER FOR TAR AND OIL	BOX COOLER COIL COOLING TYPE COIL : 100mm GAS PIPE AREA OF COOLING SURFACE : ~~50M²~~ 80M²	1	
766	STEEL STRUCTURE	LENGTH : 33.5M WIDTH : 6M HEIGHT : 9M	1	
767	12" GATE VALVE	BODY MATERIAL : CAST IRON VALVE MATERIAL: STAINLESS STEEL	1	VALVE COVER: BROKEN
768	10" GATE VALVE	BODY MATERIAL : STAINLESS STEEL VALVE MATERIAL: STAINLESS STEEL	1	
769	8" GATE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL STAINLESS STEEL	1	
770	8" GATE VALVE	DITTO	1	
771	8" GATE VALVE	DITTO	1	
772	8" GATE VALVE	DITTO	1	HANDLE : BROKEN
773	8" GATE VALVE	DITTO	1	
774	8" GATE VALVE	DITTO	1	HANDLE : MISSING SPINDLE: BROKEN (STAINLESS STEEL)

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
775	8" GATE VALVE	~~DITTO~~ BODY MATERIAL : CAST STEEL VALVE MATERIAL : STAINLESS STEEL	1	HANDLE : MISSING SPINDLE: BROKEN (STAINLESS STEEL)
776	8" GATE VALVE	DITTO	1	
777	8" GATE VALVE	DITTO	1	
778	8" GATE VALVE	DITTO	1	
779	8" GATE VALVE	DITTO	1	
780	8" GATE VALVE	DITTO	1	
781	8" GATE VALVE	DITTO	1	
782	8" GATE VALVE	DITTO	1	
783	8" GATE VALVE	DITTO	1	
784	8" GATE VALVE	DITTO	1	
785	8" GATE VALVE	DITTO	1	
786	8" GATE VALVE	DITTO	1	
787	8" GATE VALVE	DITTO	1	
788	8" GATE VALVE	DITTO	1	
789	8" GATE VALVE	DITTO	1	
790	8" GATE VALVE	DITTO	1	HANDLE BROKEN
791	8" GATE VALVE	DITTO	1	HANDLE BROKEN
792	8" GATE VALVE	DITTO	1	HANDLE BROKEN

781	8" GATE VALVE	DITTO	1	
782	8" GATE VALVE	DITTO	1	
783	8" GATE VALVE	DITTO	1	
784	8" GATE VALVE	DITTO	1	
785	8" GATE VALVE	DITTO	1	
786	8" GATE VALVE	DITTO	1	
787	8" GATE VALVE	DITTO	1	
788	8" GATE VALVE	DITTO	1	
789	8" GATE VALVE	DITTO	1	HANDLE BROKEN
790	8" GATE VALVE	DITTO	1	HANDLE BROKEN
791	8" GATE VALVE	DITTO	1	HANDLE BROKEN
792	8" GATE VALVE	DITTO	1	HANDLE BROKEN
793	8" GATE VALVE	DITTO	1	HANDLE BROKEN
794	8" GATE VALVE	DITTO	1	HANDLE BROKEN
795	8" GATE VALVE	DITTO	1	
796	8" GATE VALVE	DITTO	1	
797	8" GATE VALVE	DITTO	1	
798	8" GATE VALVE	DITTO	1	
799	8" GATE VALVE	DITTO	1	
800	8" GATE VALVE	DITTO	1	
801	8" GATE VALVE	DITTO	1	
802	8" CHECK VALVE	BODY MATERIAL : CAST IRON VALVE MATERIAL: STAINLESS STEEL	1	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
803	6" GATE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL: STAINLESS STEEL FACE TO FACE : 400mm.	1	
804	6" GATE VALVE	DITTO	1	
805	6" GATE VALVE	DITTO	1	
806	6" GATE VALVE	DITTO	1	
807	6" GATE VALVE	DITTO	1	HANDLE BROKEN
808	6" GATE VALVE	DITTO	1	HANDLE BROKEN
809	6" GATE VALVE	DITTO	1	HNALDE BROKEN
810	6" GATE VALVE	DITTO	1	HANDLE BROKEN
811	6" GATE VALVE	DITTO	1	
812	6" GATE VALVE	DITTO	1	
813	6" GATE VALVE	DITTO	1	
814	6" GATE VALVE	DITTO	1	
815	6" GATE VALVE	DITTO	1	
816	6" GATE VALVE	DITTO	1	
817	6" GATE VALVE	DITTO	1	
818	6" GATE VALVE	DITTO	1	
819	6" GATE VALVE	DITTO	1	

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809	6" GATE VALVE	DITTO	1	HNALDE BROKEN
810	6" GATE VALVE	DITTO	1	HANDLE BROKEN
811	6" GATE VALVE	DITTO	1	
812	6" GATE VALVE	DITTO	1	
813	6" GATE VALVE	DITTO	1	
814	6" GATE VALVE	DITTO	1	
815	6" GATE VALVE	DITTO	1	
816	6" GATE VALVE	DITTO	1	
817	6" GATE VALVE	DITTO	1	
818	6" GATE VALVE	DITTO	1	
819	6" GATE VALVE	DITTO	1	
820	6" GATE VALVE	DITTO	1	HANDLE BROKEN
821	6" GATE VALVE	DITTO	1	HANDLE BROKEN
822	6" GATE VALVE	DITTO	1	HANDLE BROKEN
823	6" GATE VALVE	DITTO	1	HANDLE BROKEN
824	6" GATE VALVE	DITTO	1	
825	6" GATE VALVE	DITTO	1	
826	6" GATE VALVE	DITTO	1	
827	6" GATE VALVE	DITTO	1	
828	6" GATE VALVE	DITTO	1	
829	6" GATE VALVE	DITTO	1	
830	6" GATE VALVE	DITTO	1	

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
831	6" GATE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL : STAINLESS STEEL ~~DITTO~~ FACE TO FACE : 400mm	1	
832	6" GATE VALVE	DITTO	1	
833	6" GATE VALVE	DITTO	1	HANDLE BROKEN
834	6" GATE VALVE	DITTO	1	HANDLE BROKEN
835	6" GATE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL : STAINLESS STEEL ~~DITTO~~ FACE TO FACE : 500 mm	1	
836	6" GATE VALVE	DITTO	1	
837	6" GATE VALVE	DITTO	1	
838	6" GATE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL : STAINLESS STEEL ~~DITTO~~ FACE TO FACE : 270mm.	1	HANDLE BROKEN
839	6" GATE VALVE	DITTO	1	SPINDLE BROKEN
840	6" GATE VALVE	DITTO	1	
841	6" GATE VALVE	DITTO	1	
842	6" GATE VALVE	DITTO	1	
843	6" GATE VALVE	DITTO	1	
844	6" GATE VALVE	DITTO	1	SPINDLE BROKEN
845	6" GATE VALVE	DITTO	1	SPINDLE BROKEN
846	6" GATE VALVE	DITTO	1	
847	6" GATE VALVE	DITTO	1	
848	6" GATE VALVE	DITTO	1	
849	6" GATE VALVE	DITTO	1	

840	6" GATE VALVE	DITTO	1	SPINDLE BROKEN
841	6" GATE VALVE	DITTO	1	
842	6" GATE VALVE	DITTO	1	
843	6" GATE VALVE	DITTO	1	
844	6" GATE VALVE	DITTO	1	
845	6" GATE VALVE	DITTO	1	SPINDLE BROKEN
846	6" GATE VALVE	DITTO	1	SPINDLE BROKEN
847	6" GATE VALVE	DITTO	1	
848	6" GATE VALVE	DITTO	1	
849	6" GATE VALVE	DITTO	1	
850	6" GATE VALVE	DITTO	1	
851	6" GATE VALVE	DITTO	1	HANDLE BROKEN
852	6" GATE VALVE	DITTO	1	HANDLE BROKEN
853	6" GATE VALVE	DITTO	1	HANDLE BROKEN
854	6" GATE VALVE	DITTO	1	HANDLE BROKEN
855	6" GATE VALVE	DITTO	1	HANDLE BROKEN
856	6" GATE VALVE	DITTO	1	HANDLE BROKEN
857	6" GATE VALVE	DITTO	1	HANDLE BROKEN
858	6" GATE VALVE	DITTO	1	HANDLE BROKEN
859	6" GATE VALVE	DITTO	1	HANDLE BROKEN
860	6" GATE VALVE	DITTO	1	HANDLE BROKEN

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 745013

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
861	6" GATE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL : STAINLESS STEEL ~~DITTO~~ FACE TO FACE : 270 mm	1	
862	6" GATE VALVE	DITTO	1	
863	6" GATE VALVE	DITTO	1	
864	6" GATE VALVE	DITTO	1	
865	6" GATE VALVE	DITTO	1	HANDLE BROKEN
866	6" GATE VALVE	BODY MATERIAL : CAST IRON VALVE MATERIAL: STAINLESS STEEL FACE TO FACE : 270 mm	1	
867	6" GATE VALVE	DITTO	1	
868	6" GATE VALVE	DITTO	1	
869	6" GATE VALVE	DITTO	1	
870	6" GATE VALVE	DITTO	1	
871	6" GLOBE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL: STAINLESS STEEL FACE TO FACE : 380 mm	1	SPINDLE BROKEN
872	6" GLOBE VALVE	DITTO	1	
873	6" GLOBE VALVE	DITTO	1	
874	6" GLOBE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL : STAINLESS STEEL ~~DITTO~~ FACE TO FACE : 400 mm	1	
875	6" GLOBE VALVE	DITTO	1	
876	6" GLOBE VALVE	DITTO	1	
877	6" GLOVE VALVE	DITTO	1	
878	6" GLOBE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL : STAINLESS STEEL ~~DITTO~~	1	

868	6" GATE VALVE	DITTO	1	
869	6" GATE VALVE	DITTO	1	
870	6" GATE VALVE	DITTO	1	
871	6" GLOBE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL: STAINLESS STEEL FACE TO FACE : 380 mm	1	SPINDLE BROKEN
872	6" GLOBE VALVE	DITTO	1	
873	6" GLOBE VALVE	DITTO	1	
874	6" GLOBE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL : STAINLESS STEEL ~~DITTO~~ FACE TO FACE : 400 mm	1	
875	6" GLOBE VALVE	DITTO	1	
876	6" GLOBE VALVE	DITTO	1	
877	6" GLOVE VALVE	DITTO	1	
878	6" GLOBE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL : STAINLESS STEEL ~~DITTO~~ FACE TO FACE : 270 mm	1	HANDLE BROKEN
879	6" GLOBE VALVE	DITTO	1	HANDLE BROKEN
880	6" GLOBE VALVE	DITTO	1	
881	6" GLOBE VALVE	DITTO	1	
882	6" GLOBE VALVE	DITTO	1	
883	6" GLOBE VALVE	DITTO	1	
884	6" GLOBE VALVE	DITTO	1	
885	6" GLOBE VALVE	DITTO	1	HANDLE BROKEN
886	6" CHECK VALVE	BODY MATERIAL : CAST STEEL	1	
887	6" CHECK VALVE	DITTO	1	
888	6" CHECK VALVE	DITTO	1	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
889	6" CHECK VALVE	BODY MATERIAL : CAST STEEL ~~DITTO~~	1	
890	6" CHECK VALVE	DITTO	1	
891	6" CHECK VALVE	DITTO	1	
892	6" CHECK VALVE	DITTO	1	
893	6" CHECK VALVE	DITTO	1	
894	6" CHECK VALVE	DITTO	1	
895	6" CHECK VALVE	DITTO	1	
896	6" CHECK VALVE	DITTO	1	
Item No. ~~NONE~~ 458	~~69 pcs. of~~ 4" GATE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL: STAINLESS STEEL	~~81~~ 69	
459 "	~~14 pcs. of~~ 4" GLOBE VALVE	DITTO	~~2~~ 14	
460 "	~~6 pcs. of~~ 4" CHECK VALVE	BODY MATERIAL : CAST STEEL	~~4~~ 6	
461 "	~~95 pcs. of~~ 3" GATE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL: STAINLESS STEEL	~~98~~ 95	
462 "	~~12 pcs. of~~ 3" GLOBE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL: GUN METAL	~~13~~ 12	
463	~~1 pc. of~~ 3" CHECK VALVE	BODY MATERIAL : CAST STEEL	~~2~~ 1	
		BODY MATERIAL : CAST STEEL	11	

896 Item No. ~~NONE~~ 458	6" CHECK VALVE ~~60 pcs. of~~	BODY MATERIAL : CAST STEEL VALVE MATERIAL: STAINLESS STEEL	~~81~~	
459	4" GATE VALVE ~~10 pcs. of~~	DITTO	2 14	
460	4" GLOBE VALVE ~~6 pcs. of~~	BODY MATERIAL : CAST STEEL	4 6	
461	4" CHECK VALVE ~~95 pcs. of~~	BODY MATERIAL : CAST STEEL VALVE MATERIAL: STAINLESS STEEL	98 95	
462	3" GATE VALVE ~~12 pcs. of~~	BODY MATERIAL : CAST STEEL VALVE MATERIAL: GUN METAL	13 12	
463	3" GLOBE VALVE ~~1 pc. of~~	BODY MATERIAL : CAST STEEL	2 1	
"	3" CHECK VALVE ~~2½" GATE VALVE~~	~~BODY MATERIAL : CAST STEEL~~ ~~VALVE MATERIAL: STAINLESS STEEL~~	~~11~~	
465	~~60 pcs. of~~ 2" GATE VALVE	BODY MATERIAL : CAST. STEEL. ~~DITTO~~ VALVE MATERIAL : STAINLESS STEEL	65 68	
466	~~39 pcs. of~~ 2" GLOBE VALVE	DITTO	32 39	
467	~~55 pcs. of~~ 1½" GATE VALVE	DITTO	67 55	
468	~~29 pcs. of~~ 1½" GLOBE VALVE	BODY MATERIAL : GUN METAL VALVE MATERIAL: GUN METAL	20 29	
469	~~49 pcs. of~~ 1" GATE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL: STAINLESS STEEL	45 ~~47~~ 49 47	
470	~~32 pcs. of~~ 1" GLOBE VALVE	BODY MATERIAL : GUN METAL VALVE MATERIAL: GUN METAL	15 32	
471	~~45 pcs. of~~ 3/4" GATE VALVE	BODY MATERIAL : CAST STEEL VALVE MATERIAL: STAINLESS STEEL	63 45	
472	~~33 pcs. of~~ 3/4" GLOBE VALVE	BODY MATERIAL : GUN METAL VALVE MATERIAL: GUN METAL	4 33	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
~~NONE~~	~~5/8" GATE VALVE~~	~~BODY MATERIAL : CAST STEEL~~ ~~VALVE MATERIAL: STAINLESS STEEL~~	~~37~~	
~~"~~	~~5/8" GLOBE VALVE~~	~~BODY MATERIAL : GUN METAL~~ ~~VALVE MATERIAL: GUN METAL~~	~~29~~	
~~"~~	~~14" GAS PIPE ABOVE GROUND~~	~~OUTSIDE DIA : 368mm~~ ~~TOTAL LENGTH : 30M.~~	~~1~~	
Item No.				
476	12" GAS PIPE ABOVE GROUND	OUTSIDE DIA : 318.3mm TOTAL LENGTH : ~~100M.~~ 51.6M.	1	
477	10" GAS PIPE ABOVE GROUND	OUTSIDE DIA : 267.1mm TOTAL LENGTH : ~~150M.~~ 114.2M.	1	
478	8" GAS PIPE ABOVE GROUND	OUTSIDE DIA ; 216.3mm TOTAL LENGTH : ~~200M.~~ 300M.	1	
479	6" GAS PIPE ABOVE GROUND	OUTSIDE DIA : 165.2mm TOTAL LENGTH : 400M	1	
480	4" GAS PIPE ABOVE GROUND	OUTSIDE DIA : 114.3mm TOTAL LENGTH : ~~700M.~~ 517.5M	1	
481	3" GAS PIPE ABOVE GROUND	OUTSIDE DIA : 89.1mm TOTAL LENGTH : 500M.	1	
482	2½" GAS PIPE ABOVE GROUND	OUTSIDE DIA : 76.3mm TOTAL LENGTH : 50M.	1	
483	2" GAS ABOVE ABOVE GROUND	OUTSIDE DIA : 60.5mm TOTAL LENGTH : ~~1,000M~~	1	

	ABOVE GROUND	OUTSIDE DIA ; 216.3mm TOTAL LENGTH : ~~200M.~~ 300M.	1	
479	6" GAS PIPE ABOVE GROUND	OUTSIDE DIA : 165.2mm TOTAL LENGTH : 400M	1	
480	4" GAS PIPE ABOVE GROUND	OUTSIDE DIA : 114.3mm TOTAL LENGTH : ~~700M.~~ 517.5M	1	
481	3" GAS PIPE ABOVE GROUND	OUTSIDE DIA : 89.1mm TOTAL LENGTH : 500M.	1	
482	2½" GAS PIPE ABOVE GROUND	OUTSIDE DIA : 76.3mm TOTAL LENGTH : 50M.	1	
483	2" GAS ABOVE ABOVE GROUND	OUTSIDE DIA : 60.5mm TOTAL LENGTH : ~~1,000M~~ 1.170.7M.	1	
484	1½" GAS PIPE ABOVE GROUND	OUTSIDE DIA : 48.6mm TOTAL LENGTH : ~~1,200M.~~ 700.7M	1	
485	1" GAS PIPE ABOVE GROUND	OUTSIDE DIA : 34.0mm TOTAL LENGTH : ~~1,500M.~~ 956.1M	1	
486	3/4" GAS PIPE ABOVE GROUND	OUTSIDE DIA : 27.2mm TOTAL LENGTH : ~~2,000M.~~ 711.9M	1	
487	½" GAS PIPE ABOVE GROUND	OUTSIDE DIA : 21.7mm TOTAL LENGTH : ~~800M~~ 766.5M	1	
		~~SUB TOTAL QUANTITY:~~	~~851~~	
		~~ITEM~~ :	~~281~~ ~~276~~	

 Sub Total ~~278~~

Item 277 (808 Pieces)

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BARI-SOL DEWAXING PLANT (45-5-7)

(EVALUATION WORK SHEET NO. 426-462)

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
7 (94)	LOW PRESSURE COMPRESSOR	VERTICAL, RECIPROCATING, TYPE AMMONIA GAS 4 CYLINDERS SIZE : 330X330 PRESS : 50Ibs/sq.in. HORSE POWER : 150HP	1	
7 (95)	LOW PRESSURE COMPRESSOR	DITTO	1	
7 (90)	HIGH PRESSURE COMPRESSOR	VERTICAL RECIPRO. TYPE AMMONIA GAS 4 CYLINDERS SIZE : 330X330 PRESS : 400Lbs/sq.in. HORSE POWER: 400HP R.P.M. : 225	1	
(92)	HIGH PRESSURE COMPRESSOR	DITTO	1	
(93)	COMPRESSOR	STNGLE ACTING., RECIPRO. NO. OF STAGE: 1 STAGE GAP. : 1.44M3/MIN SIZE : 160X130 HORSE POWER: 120HP R.P.M. : 550	1	
7 (4)	PUMP FOR CRUDE FEED	STEAM DRIVEN, WORTHINGTON SIZE : 190X150X250 CAP. : 7KL/MIN. R.P.M. : 120	1	
7 (5)	PUMP FOR CRUDE FEED	DITTO	1	
7 (3)	PUMP FOR BLENDING	STEAM DRIVEN, WORTHINGTON, SIZE : 250X230X300 CAP. : 294GAL/MIN R.P.M. : 100	1	

(93)	COMPRESSOR	NO. OF STAGE: 1 STAGE GAP. : 1.44M3/MIN SIZE : 160X130 HORSE POWER: 20HP R.P.M. : 550	1	
7 (4)	PUMP FOR CRUDE FEED	STEAM DRIVEN, WORTHINGTON SIZE : 190X150X250 CAP. : 7KL/MIN. R.P.M. : 120	1	
7 (5)	PUMP FOR CRUDE FEED	DITTO	/	
7 (3)	PUMP FOR BLENDING	STEAM DRIVEN, WORTHINGTON, SIZE : 250X230X300 CAP. : 294GAL/MIN R.P.M. : 100	1	
7 (16)	SPARE PUMP FOR BLENDING	DITTO	/	
7 (8)	PUMP FOR SOLVENT AND CRUDE CHARGE	STEAM DRIVEN, WORTHINGTON SIZE : 450X300X400 CAP : 1600GAL/MIN HEAD : 100M	1	BODY BROKEN 50%
7 (9)	SPARE PUMP FOR SOLVENT AND CRUDE CHARGE	DITTO	1	STAFFING BOX BROKEN 20%
7 (10)	PUMP FOR DEWAXED OIL SOLUTION	STEAM DRIVEN, WORTHINGTON SIZE : 400X300X300 CAP. : 816GAL/MIN HEAD : 100M	1	
7 (11)	SPARE PUMP FOR DEWAXED OIL SOLUTION.	DITTO	1	
7 (1)	PUMP FOR OIL SOLVENT	STEAM DRIVEN, WORTHINGTON SIZE : 250X230X300 CAP. : 294 GAL/MIN	1	
7 (2)	SPARE PUMP FOR OIL SOLVENT	DITTO	1	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
7 (12)	PUMP FOR RECOVERED OIL	STEAM DRIVEN, WORTHINGTON SIZE : 25 X 230 X 300 ~~DITTO~~ CAP: 294 GAL/MIN	1	
7 (23)	PUMP FOR WASTE OIL	STEAM DRIVEN, WORTHINGTON SIZE : 130X90X125 CAP. : 75 GAL/MIN HEAD : 100M	1	
7 (24)	SPARE PUMP FOR WASTE OIL	DITTO	1	
7 (13)	PUMP FOR SEAL OIL	SIMPLEX, RECIPRO. TYPE 100X125X175 SIZE : ~~115X60X100~~ CAP. : 0.7 KL/H.	1	
7 (14)	SPARE PUMP FOR SEAL OIL	DITTO	1	
7 (17)	PUMP FOR SOLVENT FEED	STEAM DRIVEN, WORTHINGTON SIZE : 250X300X300 CAP. : 800 GAL/MIN HEAD : 100M	1	
7 (18)	SPARE PUMP FOR SOLVENT FEED	DITTO	1	
7 (26)	PUMP FOR OIL PREHEATER	STEAM DRIVEN, WORTHINGTON SIZE : 190X150X250 CAP. : 7KL/HR	1	
7 (27)	SPARE PUMP FOR OIL PREHEATER	DITTO	1	
7 (7)	PUMP FOR PRODUCT OIL	WORTHINGTON, SIZE : 200X200X300 CAP. : 10 KL/HR	1	
		[illegible] WORTHINGTON	1	

7 (17)	PUMP FOR SOLVENT FEED	DITTO	1
7 (18)	SPARE PUMP FOR SOLVENT FEED	STEAM DRIVEN, WORTHINGTON SIZE : 250X300X300 CAP. : 800 GAL/MIN HEAD : 100M	1
7 (26)	PUMP FOR OIL PREHEATER	DITTO	1
7 (27)	SPARE PUMP FOR OIL PREHEATER	STEAM DRIVEN, WORTHINGTON SIZE : 190X150X250 CAP. : 7KL/HR	1
7 (7)	PUMP FOR PRODUCT OIL	DITTO	1
7 (9)	PUMP FOR DEWAXED SOLUTION FEED	WORTHINGTON, SIZE : 200X200X300 CAP. : 10 KL/HR	1
7 (20)	SPARE PUMP DEWAXED SOLUTION FEED	STEAM DRIVEN, WORTHINGTON SIZE : 190X150X250 CAP. : 7 KL/HR	1
7 (28)	PUMP FOR SOLVENT AND WATER	DITTO	1
7 (6)	SPARE PUMP FOR SOLVENT AND WATER	DITTO	1
7 (21)	PUMP FOR WAX PREHEATER FEED	DITTO	1
7 (22)	SPARE PUMP FOR WAX PREHEATER FEED	STEAM DRIVEN, WORTHINGTON SIZE : 150X100X150 CAP. : 118 GAL/MIN HEAD : 100M	1
7 (29)	PUMP FOR WAX PRODUCT	DITTO	1
7 (15)	SPARE PUMP FOR WAX PRODUCT	DITTO	1
7 (15)	PUMP FOR SOLVENT REFLUX	DITTO	1
		STEAM DRIVEN, WORTHINGTON SIZE : 250X230X300 CAP. : 294 GAL/MIN HEAD : 100m	1

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
7 (33)	SPARE PUMP FOR SOLVENT REFLUX	STEAM DRIVEN, WORTHINGTON SIZE : 280 x 230 x 300 ~~DITTO~~ CAP : 274 GAL/MIN HEAD : 100 m	1	
7 (31)	PUMP FOR DRY SOLVENT	STEAM DRIVEN, WORTHINGTON SIZE : 250X300X300 CAP. : 800 GAL/MIN HEAD : 100M	1	
7 (32)	SPARE PUMP FOR DRY SOLVENT	DITTO	1	
7 (35)	VACUUM PUMP	SIMPLEX.RECIPRO.STEAM DRIVEN SIZE : 200X300X300	1	
7 (34)	PUM FOR WASTE GAS ABSORBING TURBINE SAND PUMP	MOTOR DRIVEN DELIVERY : 40mm NO, OF STAGE: 2	1	MOTOR MISSING 2HP
7 (97)	INTERMEDIATE COOLER	VERTICAL DIA : 883mm HEIGHT : 3500mm THICKNESS : 16mm TUBE MATERIAL: STEEL	1	
7 (~~96~~ 98)	INTERMEDIATE COOLER	DITTO	1	
7 (99)	INTERMEDIATE COOLER	DITTO	1	
7 (~~101~~ 100)	AMMONIA CONDENSER	VERTICAL SHELL AND TUBE TYPE DIA : 1,120mm HEIGHT : 5,500mm AREA OF COOLING SURFACE: 191M^2 TUBE DIA : 50mm TUBE MATERIAL: ADMIRALTY METAL NO.OF TUBE : 200PCS	1	
7 (81)	HEAT EXCHANGER FOR RECOVERED OIL SOLVENT	HORIZONTAL SHELL AND TUBE TYPE DIA : 620mm LENGTH : 5,200mm AREA OF HEATING SURFACE: 92 M^2	1	

7 (97)	INTERMEDIATE COOLER	VERTICAL DIA : 883mm HEIGHT : 3500mm THICKNESS : 16mm TUBE MATERIAL: STEEL	1	
7 (~~96~~ 98)	INTERMEDIATE COOLER	DITTO	1	
7 (99)	INTERMEDIATE COOLER	DITTO	/	
7 (~~101~~ 100)	AMMONIA CONDENSER	VERTICAL SHELL AND TUBE TYPE DIA : 1,120mm HEIGHT : 5,500mm AREA OF COOLING SURFACE: 191M^2 TUBE DIA : 50mm TUBE MATERIAL: ADMIRALTY METAL NO.OF TUBE : 200PCS	1	
7 (81)	HEAT EXCHANGER FOR RECOVERED OIL SOLVENT	HORIZONTAL SHELL AND TUBE TYPE DIA : 620mm LENGTH : 5,200mm AREA OF HEATING SURFACE:92.5M^2 TUBE DIA : 25mm TUBE LENGTH : 4,700mm TUBE MATERIAL: STEEL NO. OF TUBES : 240PCS.	1	
7 (82)	HEAT EXCHANGER FOR RECOVERED OIL SOLVENT	DITTO	1	
7 (~~82~~ 83)	BLENDING AMMONIA COOLER	HORIZONTAL SHELL AND TUBE TYPE DIA : 650mm LENGTH : 5,200mm AREA OF COOLING SURFACE:925M^2 TUBE DIA : 25mm TUBE LENGTH : 4,700mm TUBE MATERIAL: STEEL NO. OF TUBE : 240PCS	1	
7 (84)	BLENDING AMMONIA COOLER	DITTO	/	
7 (77)	SOLVENT & CRUDE AMMONIA CHILLER DOUBLE TUBE TYPE	COOLING SURFACE: 480M^2 TUBE DIA : 150mm & 200mm TUBE LENGTH: 13.500mm NO. OF TUBES: 12PCS EACH	1	BROKEN PARTIALLY REPAIRABLE FITTED SCREW CONVEYERS INSIDE TUBES

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
616 7 (77)	SOLVENT & CRUDE AMMONA CHILLER DOUBLE TUBE TYPE DITTO	COOLING SURFACE : 480 M² TUBE DIA : 150mm & 200mm ~~DITTO~~ TUBE LENGTH : 13,500 mm No. OF TUBES : 12 pcs. EACH	1	BROKEN PARTIALLY REPAIRABLE FITTED SCREW CONVEYERS INSIDE TUBE
7 (78)	DITTO	DITTO	1	BROKEN PARTIALLY REPAIRABLE FITTED CONVEYERS INSIDE TUBE
7 (79)	DITTO	DITTO	1	BROKEN PARTIALLY REPAIRABLE FITTED SCREW CONVEYERS INSUDE TUBES
617 7 (77)	DITTO	DITTO	1	BROKEN PARTIALLY REPAIRABLE FITTED SCREW CONVEYERS INSIDE TUBES
618 7 (78)	DITTO	DITTO	1	BROKEN PARTIALLY REPAIRABLE FITTED SCREW CONVEYERS INSIDE TUBES
7 (96)	LOW PRESSURE AMMONIA COMPRESSOR	AMMONA GAS, VERTICAL 4 CYLINDER SIZE : 330X330 PRESS : 50Lbs/sq.in. HORSE POWER: 150HP R.P.M. : 225	1	DIRECT COUPLED WITH A.C SYNCHRONOUS MOTOR 3300V. 60 CYCLE 225HP Open TYPE
7 (50)	COOLER FOR DRY SOLVENT	DIA : 1000mm LENGTH : 5400mm AREA OF COOLING SURFACE : 238M² TUBE DIA : 25mm TUBE LENGTH: 4900mm TUBE MATERIAL: ADMIRALTY	1	

				REPAIRABLE FITTED SCREW CONVEYERS INSUDE TUBES
617 7 (77)	DITTO	DITTO	1	BROKEN PARTIALLY REPAIRABLE FITTED SCREW CONVEYERS INSIDE TUBES
618 7 (78)	DITTO	DITTO	1	BROKEN PARTIALLY REPAIRABLE FITTED SCREW CONVEYERS INSIDE TUBES
7 (96)	LOW PRESSURE AMMONIA COMPRESSOR	AMMONA GAS, VERTICAL 4 CYLINDER SIZE : 330X330 PRESS : 50Lbs/sq.in. HORSE POWER: 150HP R.P.M. : 225	1	DIRECT COUPLED WITH A.C SYNCHRONOUS MOTOR 3300V. 60 CYCLE 225HP Open TYPE
7 (50)	COOLER FOR DRY SOLVENT	DIA : 1000mm LENGTH : 5400mm AREA OF COOLING SURFACE : $238M^2$ TUBE DIA : 25mm TUBE LENGTH: 4900mm TUBE MATERIAL: ADMIRALTY METAL NO. OF TUBES: 720PCS	1	
619	CONDENSER FOR WET SOLVENT	DIA : 660mm. LENGTH : 6,000mm AREA OF COOLING SURFACE $118M^2$ TUBE DIA : 25mm TUBE LENGTH: 4,900mm TUBE MATERIAL: ADMIRALTY METAL NO. OF TUBE: 310PCS	1	SOME BULLET HOLES REPAIRABLE
7 (43)	VAPOR CONDENSER FOR WAX AND SOLVENT	DIA : 945mm LENGTH : 4,400mm AREA OF COOLING SURFACE : $195M^2$ TUBE DIA : 25mm TUBE LENGTH: 4,900mm TUBE MATERIAL: ADMIRALTY METAL NO.OF TUBE: 511PCS	1	SOME BULLET HOLES REPAIRABLE 30% BROKEN

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
7 (42)	CONDENSER FOR SOLVENT DRYING	DIA : 710mm LENGTH : 5,040mm AREA OF COOLING SURFACE : $142M^2$ TUBE DIA : 25mm TUBE LENGTH: 4,900mm TUBE MATERIAL: ADMIRALTY METAL NO.OF TUBE : 371PCS.	1	SLIGHTLY BROKEN REPAIRABLE 10% BROKEN
(620)	CONDENSER FOR SOLVENT GAS	DIA : 460mm LENGTH : 4,100mm AREA OF COOLING SURFACE : ~~292M²~~ 24 M² TUBE DIA : 25mm TUBE LENGTH: 2,440mm TUBE MATERIAL: ADMIRALTY METAL NO.OF TUBE: 108PCS	1	SLIGHTLY BROKEN REPAIRABLE
7 (48)	COOLER FOR DRY SOLVENT	DIA : 1100mm LENGTH : 5,400mm AREA OF COOLING SURFACE : $278M^2$ TUBE DIA : 25mm TUBE LENGTH : 4900mm TUBE MATERIAL: ADMIRALTY METAL NO.OF TUBE : 720PCS	1	SLIGHTLY BROKEN REPAIRABLE
621	MOTOR FOR LOW PRESSURE COMPRESSOR OPEN TYPE A.C. SYNCHRONOUS	3300V 60CYCLE 225 P.R.M. 3 32POLES 150 H.P.	1	DIRECT COUPLED WITH COMPRESSOR
622	DITTO	DITTO	1	DIRECT COUPLED WITH

		TUBE MATERIAL: ADMIRALTY METAL NO.OF TUBE: 108PCS		
7 (46)	COOLER FOR DRY SOLVENT	DIA : 1100mm LENGTH : 5,400mm AREA OF COOLING SURFACE : 278M^2 TUBE DIA : 25mm TUBE LENGTH : 4900mm TUBE MATERIAL: ADMIRALTY METAL NO.OF TUBE : 720PCS	1	SLIGHTLY BROKEN REPAIRABLE
621	MOTOR FOR LOW PRESSURE COMPRESSOR OPEN TYPE A.C. SYNCHRONOUS	3300V 60CYCLE 225 P.R.M. 3 32POLES 150 H.P.	1	DIRECT COUPLED WITH COMPRESSOR
622	DITTO	DITTO	1	DIRECT COUPLED WITH COMPRESSOR
623	DITTO	DITTO	1	
624	MOTOR FOR HIGH PRESSURE COMPRESSOR OPEN TYPE A.C. SYNCHRONOUS	3.300 V 60 CYCLE 225 P.R.M. 3 PHASE 32 POLE 400 H.P.	1	
625	DITTO	DITTO	1	
7 (36)	MOTOR FOR SOLVENT AND CRUDE AMMONIA HEAT EXCHANGER CLOSED TYPE A.C. GEARED MOTOR	220 V. 50/60 CYCLE 3 PHASE 5HP 1,430R.P.M./1,760R.P.M.	1	
7 (37)	DITTO	DITTO	1	CASE BULLET HOLE
7 (38)	MOTOR FOR SOLVENT AND CRUDE AMMONIA HEAT EXCHANGER CLOSED TYPE A.C. GEARED MOTOR	220 V., 50/600 CYCLE 1,430R.P.M./1,760R.P.M. 3 PHASE, 5HP, 3.7KVA	1	CASE BULLET HOLE
7 (39)	DITTO	DITTO	1	
7 (40)	DITTO	DITTO	1	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
626	MOTOR FOR SOLVENT AND CRUDE AMMONIA CHILLER CLOSED TYPE A.C. GEARED MOTOR	220 V., 50/60CYCLE 1430R.P.M./1760R.P.M. 3 PHASE 5HP,	1	CASE, BROKEN COIL BURNT
627	DITTO	DITTO	1	CASE BROKEN COIL BURNT
628	DITTO	DITTO	1	CASE BROKEN COIL BURNT
629	DITTO	DITTO	1	CASE BROKEN COIL BURNT
630	DITTO	DITTO	1	CASE BROKEN COIL BURNT
631	DITTO	DITTO	1	CASE BROKEN COIL BURNT
7 (68) ~~(6)~~	EXCITER FOR AMMONIA COMPRESSOR OPEN TYPE D.C. GENERATOR	110V., 130AMP, 25HP 15KW, 1,740R.P.M.	/	
632	MOTOR FOR ABOVE OPEN TYPE	110V., 60 CYLCE, 1,740 R.P.M. 25HP, 4 POLES	1	
7 (69)	EXCITER FOR AMMONIA COMPRSSOR OPEN TYPE D.C. GENERATOR	110 V., 130 AMP, 25HP, 15KW 1,740 R.P.M.	/	
633	MOTOR FOR ABOVE OPEN TYPE A.C. INDUCTION MOTOR	110V., 60 CYCLE, 1,740R.P.M. 4 POLES	1	
7 (70)	EXCITER FOR AMMONIA COMPRESSOR OPEN TYPE D.C. GENERATOR	110V., 130 AMP. 25HP , 15KW 1,740 R.P.M.	1	

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630	DITTO	DITTO	1	CASE BROKEN COIL BURNT
631	DITTO	DITTO	1	CASE BROKEN COIL BURNT
7 (~~6~~) (6A)	EXCITER FOR AMMONIA COMPRESSOR OPEN TYPE D.C. GENERATOR	110V., 130AMP, 25HP 15KW, 1,740R.P.M.	/	
632	MOTOR FOR ABOVE OPEN TYPE	110V., 60 CYLCE, 1,740 R.P.M. 25HP, 4 POLES	1	
7 (69)	EXCITER FOR AMMONIA COMPRSSOR OPEN TYPE D.C. GENERATOR	110 V., 130 AMP, 25HP, 15KW 1,740 R.P.M.	/	
633	MOTOR FOR ABOVE OPEN TYPE A.C. INDUCTION MOTOR	110V., 60 CYCLE, 1,740R.P.M. 4 POLES	1	
7 (70)	EXCITER FOR AMMONIA COMPRESSOR OPEN TYPE D.C. GENERATOR	110V., 130 AMP. 25HP , 15KW 1,740 R.P.M.	1	
634	MOTOR FOR ABOVE OPEN TYPE A.C. INDUCTION MOTOR.	110V., 60 CYCLE, 1,740 R.P.M. 25HP 4 POLES	1	
7 (71)	SWITCH BOX	LENGTH : 400mm WIDTH : 650mm HEIGHT : 850mm 60 CYCLE, 220V., 150 AMP.	1	AMP. METER BROKEN
7 (72)	SWITCH BOX	DITTO	1	AMP. METER BROKEN
7 (73)	SWITCH BOX	DITTO	1	AMP. METER BROKEN
635	OPERATING SWITCH BOARD	HEIGHT : 2,300mm WIDTH : 1,300mm THICK : 85mm 3300V., 75AMP., 15HP MATERIAL : MARBLE	1	BROKEN
636	OPERATION SWITCH BOARD	HEIGHT : 2,300mm WIDTH : 1,300mm THICK : 85mm 3300V., 75AMP., 150HP MATERIAL : MARBLE	1	BROKEN

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
637	OPERATING SWITCH BOARD	HEIGHT : 2,300mm WIDTH : 1,300mm THICK : 85mm 3,300V., 150AMP. 400HP MATERIAL : MARBLE	1	BROKEN
638	OPERATING SWITCH BOARD	HEIGHT : 2,300mm WIDTH : 1,300mm THICK : 85mm 3,300V., 150AMP 400HP MATERIAL : MARBLE	1	BROKEN
639	OIL SEPARATOR VERTICAL, CYLINDRICAL TYPE	CAP. : 0.28KL DIA. : 484mm HEIGHT : 1,525mm THICKNESS : 6mm	1	
7 (89)	AMMONIA RECEIVER HORIZONTAL, CYLINDRICAL TYPE	CAP. : 2.89KL DIA : 760mm LENGTH : 6,100mm THICKNESS : 19mm	1	
7 (90)	AMMONIA RECEIVER HORIZONTAL, CYLINDRICAL TYPE	DITTO	1	
7 (62)	WAX SOLUTION RECEIVER BOX TYPE	CAP. : 26.8KL WIDTH : 3,000mm LENGTH : 3,660mm HEIGHT : 2,440mm	1	
7 (65)	WAX SOLUTION RECEIVER BOX TYPE	DITTO ~~: 26.8KL~~	1	
640	AMMONIA RECEIVER	HORIZONTAL, CYL. TYPE CAP. : 1.08KL DIA. : 590mm LENGTH : 3,960mm THICK : 6mm	1	

	VERTICAL, CYLINDRICAL TYPE	DIA. : 484mm HEIGHT : 1,525mm THICKNESS : 6mm		
7 (89)	AMMONIA RECEIVER HORIZONTAL, CYLINDRICAL TYPE	CAP. : 2.89KL DIA : 760mm LENGTH : 6,100mm THICKNESS : 19mm	1	
7 (90)	AMMONIA RECEIVER HORIZONTAL, CYLINDRICAL TYPE	DITTO	1	
7 (62)	WAX SOLUTION RECEIVER BOX TYPE	CAP. : 26.8KL WIDTH : 3,000mm LENGTH : 3,660mm HEIGHT : 2,440mm	1	
7 (65)	WAX SOLUTION RECEIVER BOX TYPE	DITTO ~~: 26.8KL~~	1	
640	AMMONIA RECEIVER	HORIZONTAL, CYL. TYPE CAP. : 1.08KL DIA. : 590mm LENGTH : 3,960mm THICK : 6mm	1	
641	DITTO	DITTO	1	BROKEN
642	DITTO	DITTO	1	
643	DITTO	DITTO	1	
644	DITTO	DITTO	1	
645	AMMONIA SOULTION SEPARATOR	CAP. : 0.78 KL DIA : 736mm LENGTH : 1,830mm THICK : 12mm	1	
646	DITTO	DITTO	1	
7(67)	DEWAXED OIL RECEIVER BOX TYPE	CAP : 21.8KL LENGTH : 3,000mm WIDTH : 3,000mm HEIGHT : 2,420mm	1	
7 (64)	RECOBERED OIL RECEIVER BOX TYPE	CAP. : 22KL, LENGTH : 3,000mm	1	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
		WIDTH : 3,000mm HEIGHT : 2,440mm THICK : 6mm		SLIGHTLY BROKEN
7 (63)	WAX RECEIVER BOX TYPE	DITTO	1	
7 (53)	BOWL CLEANING OIL TANK	CAP : 0,8KL DIA : 820mm HEIGHT : 15,20mm	1	
7 (54)	BOWL OIL TANK	DITTO	1	
647	SELF CLEANING STRAINER VERTICAL TYPE	DIA : 450mm HEIGHT : 1,200mm	1	
648	DITTO	DITTO	1	
649	DITTO	DITTO	1	
650	DITTO	DITTO	1	
651	DITTO	DITTO	1	
652	BOWL CLEANING ROOM BOX TYPE	LENGTH : 3,700mm WIDTH : 1,000mm HEIGHT : 2,500mm ALL WELD	1	BODY COMPLETE, OTHER BROKEN
653	DITTO	DITTO	1	BODY COMPLETE, OTHER BROKEN
654	DITTO	DITTO	1	BODY COMPLETE, OTHER BROKEN
655	DITTO	DITTO	1	BODY COMPLETE OTHER BROKEN
7 (~~43~~ 93)	AIR CHAMBER	CAP : 4M3 DIA. : 700mm	1	

649	DITTO	DITTO	1	
650	DITTO	DITTO	1	
651	DITTO		1	BODY COMPLETE, OTHER BROKEN
652	BOWL CLEANING ROOM BOX TYPE	LENGTH : 3,700mm WIDTH : 1,000mm HEIGHT : 2,500mm ALL WELD		
653	DITTO	DITTO	1	BODY COMPLETE, OTHER BROKEN
654	DITTO	DITTO	1	BODY COMPLETE, OTHER BROKEN
655	DITTO	DITTO	1	BODY COMPLETE OTHER BROKEN
7 (93) ~~(73)~~	AIR CHAMBER	CAP : $4M^3$ DIA. : 700mm HEIGHT : 1,050mm ALL WELD	1	
7 (45)	SOLVENT KETTLE	DIA : 2,100mm HEIGHT : 4,600mm AREA OF HEATING SURFACE : $208M^2$ TUBE DIA : 25mm TUBE TOTAL LENGTH: 860M TUBE MATERIAL: STEEL	1	BROKEN
7 (46)	SOLVENT VAPOUR SEPARATOR	DIA : 3,960mm HEIGHT : 2,440mm ALL WELD	1	BROKEN
7(44)	SOLVENT EVAPORATOR	DIA : 1,850&1,420mm HEIGHT : ~~2,440~~ 2,440mm AREA OF HEATING SURFACE : $610M^2$ TUBE DIA : 25mm TUBE LENGTH : 4,900mm	1	BROKEN

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
		TUBE MATERIALS: STEEL NO. OF TUBE : 1,586PCS		
7 (56)	FLOAT TANK	CAP : 0.92KL DIA : 915mm HEIGHT : 2,130mm THICK : 6mm	1	FLOAT BROKEN
7 (57)	DITTO	DITTO	1	FLOAT BROKEN
7 (58)	DITTO	DITTO	1	FLOAT BROKEN
7 (59)	DITTO	DITTO	1	LEVEL CONTROLLER BROKEN
7 (60)	DITTO	DITTO	1	FLOAT BROKEN
7 (61)	DITTO	DITTO	1	FLOAT BROKEN
7 (45)	SOLVENT SEPARATOR	DIA : ~~2,090mm~~ 1,900mm HEIGHT : 10,030mm NO. OF PLATE : 17,PCS WORKING PRESSURE: 50Lbs/sq.in. HEATING TUBE DIA: 40mm TUBE LENGTH : 36,600mm NO. OF TUBE : 7SETS	1	SLIGHTLY BROKEN
7 (52)	WAX ~~WX~~ AND SOLVENT VAPOUR SEPARATOR	DIA : 2,440mm HEIGHT : 2,360mm	1	BROKEN
7 (47)	OIL PREHEATER	DIA : 1,880mm HEIGHT : 4,550mm AREA OF HEATING SURFACE : 66.5M^2 COIL DIA : 90mm COIL MATERIAL : STEEL	1	BROKEN

7 (60)	DITTO	DITTO	1	SLIGHTLY BROKEN
7 (61)	DITTO	DIA : ~~2,090mm~~ 1400mm HEIGHT : 10,030mm NO. OF PLATE : 17,PCS WORKING PRESSURE: 50Lbs/sq.in. HEATING TUBE DIA: 40mm TUBE LENGTH : 36,600mm NO. OF TUBE : 7SETS	1	BROKEN
7 (45)	SOLVENT SEPARATOR	DIA : 2,440mm HEIGHT : 2,360mm	1	BROKEN
7 (52)	WAX ~~WX~~ AND SOLVENT VAPOUR SEPARATOR	DIA : 1,880mm HEIGHT : 4,550mm AREA OF HEATING SURFACE : 66.5M^2 COIL DIA : 90mm COIL MATERIAL : STEEL	1	BROKEN
7 (47)	OIL PREHEATER	DIA : 1,000mm LENGTH : 5,400mm AREA OF HEATING SURFACE : 208M^2 TUBE DIA : 25mm TUBE LENGTH : 4,900mm TUBE MATERIAL : STEEL NO. OF TUBE : 540PCS	1	BROKEN
7 (49)	SOLVENT VAPOUR PREHEATER.	LENGTH : 5,450mm WIDTH : 2,300mm HEIGHT : 2,250mm AREA OF COOLING SURFACE : 665M^2 COIL DIA : 100mm AND 75mm	1	
7 (85)(86)	OIL COOLER COIL AND BOX TYPE	BODY : CAST IRON VALVE : STAINLESS STEEL	1	
656	12" GATE VALVE	DITTO	1	HANDLE BROKEN
657	12" GATE VALVE			

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
658	10" GATE VALVE	BODY : CAST STEEL VALVE : STAINLESS STEEL	1	HANDLE BROKEN
659	10" GATE VALVE	BODY : CAST IRON VALVE STAINLESS STEEL	1	
660	8" GATE VALVE	DITTO	1	HANDLE BROKEN
661.	8" GATE VALVE	DITTO	1	HANDLE BROKEN
662	8" GATE VALVE	DITTO	1	
663	8" GATE VALVE	DITTO	1	
664	8" GATE VALVE	DITTO	1	
665	8" GATE VALVE	DITTO	1	HANDLE BROKEN
666	8" GATE VALVE	DITTO	1	
667	8" GATE VALVE	DITTO	1	
668	8" GATE VALVE	DITTO	1	
669	8" GATE VALVE	DITTO	1	
670	8" GATE VALVE	DITTO	1	
671	8" GATE VALVE	DITTO	1	
672	8" GATE VALVE	DITTO	1	
673	8" GATE VALVE	DITTO	1	
674	8" GATE VALVE	DITTO	1	
675	8" GATE VALVE	DITTO	1	

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664	8" GATE VALVE	DITTO	1	
665	8" GATE VALVE	DITTO	1	HANDLE BROKEN
666	8" GATE VALVE	DITTO	1	
667	8" GATE VALVE	DITTO	1	
668	8" GATE VALVE	DITTO	1	
669	8" GATE VALVE	DITTO	1	
670	8" GATE VALVE	DITTO	1	
671	8" GATE VALVE	DITTO	1	
672	8" GATE VALVE	DITTO	1	
673	8" GATE VALVE	DITTO	1	
674	8" GATE VALVE	DITTO	1	
675	8" GATE VALVE	DITTO	1	
676	6" GATE VALVE	DITTO	1	
677	6" GATE VALVE	DITTO	1	
678	6" GATE VALVE	DITTO	1	
679	6" GATE VALVE	DITTO	1	HANDLE BROKEN
680	6" GATE VALVE	DITTO	1	HANDLE BROKEN
681	6" GATE VALVE	DITTO	1	HANDLE BROKEN
682	6" GATE VALVE	DITTO	1	
683	6" GATE VALVE	DITTO	1	
684	6" GATE VALVE	DITTO	1	
685	6" GATE VALVE	DITTO	1	
686	6" GATE VALVE	DITTO	1	
687	6" GATE VALVE	DITTO	1	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
688	6" GATE VALVE	BODY : CAST IRON VALVE : STAINLESS STEEL ~~DITTO~~	1	
689	6" GATE VALVE	DITTO	1	
690	6" GATE VALVE	DITTO	1	
691	6" GATE VALVE	DITTO	1	
692	6" GATE VALVE	DITTO	1	
693	6" GATE VALVE	DITTO	1	
694	6" GATE VALVE	DITTO	1	
695	6" GATE VALVE	DITTO	1	
696	6" GATE VALVE	DITTO	1	
697	6" GATE VALVE	DITTO	1	HANDLE BROKEN
698	6" GLOVE VALVE	BODY : CAST STEEL VALVE : STENLESS STEEL	1	
699	6" GLOBE VALVE	DITTO	1	
700	6" GLOBE VALVE	DITTO	1	HANDLE BROKEN
701	6" GLOBE VALVE	DITTO	1	
702	6" GLOBE VALVE	DITTO	1	
703	6" GLOBE VALVE	DITTO	1	
704	6" GLOBE VALVE	DITTO	1	
[illegible]	[illegible]	~~BODY~~ DITTO : ~~CAST STEEL~~	1	HANDLE BROKEN

696	6" GATE VALVE	DITTO	1	HANDLE BROKEN
697	6" GATE VALVE	DITTO	1	
698	6" GLOVE VALVE	BODY : CAST STEEL VALVE : STENLESS STEEL	1	
699	6" GLOBE VALVE	DITTO	1	HANDLE BROKEN
700	6" GLOBE VALVE	DITTO	1	
701	6" GLOBE VALVE	DITTO	1	
702	6" GLOBE VALVE	DITTO	1	
703	6" GLOBE VALVE	DITTO	1	
704	6" GLOBE VALVE	DITTO	1	HANDLE BROKEN
705	6" GLOBE VALVE	~~BODY : CAST STEEL~~ ~~VALVE : STAINLESS STEEL~~		
Item No. ~~NONE~~ 180	~~4 pcs. of~~ 5" GAOBE VALVE	BODY : CASE IRON VALVE : STAINLESS STEEL	~~8~~ 4	
181	~~9 pcs. of~~ 4" GATE VALVE	DITTO	~~8~~ 9	
182	~~5 pcs. of~~ 4" GLOBE VALVE	BODY : CAST STEEL VALVE : GUN METAL	~~8~~ 5	
183	~~33 pcs. of~~ 3" GATE VALVE	BODY : CAST IRON VALVE : STAINLESS STEEL	28 33	
184	~~2 pcs. of~~ 3" GLOBE VALVE	BODY : CAST STEEL VALVE : GUN METAL	~~5~~ 2	
~~"~~	~~2½" GATE VALVE~~	~~DITTO~~	~~1~~	
~~"~~	~~2½" GLOBE VALVE~~	~~BODY : GUN METAL~~ ~~VALVE : GUN METAL~~	~~1~~	
187	~~19 pcs of~~ 2" GATE VALVE	BODY : CAST IRON VALVE : STAINLESS STEEL	28 19	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
Item. No. ~~NONE~~ 188	~~3 pcs. of~~ 2" GOLBE VALVE	BODY : GUN METAL VALVE : GUN METAL	~~5~~ 3	
189	~~6 pcs. of~~ 1½" GATE VALVE	BODY : CAST STEEL VALVE : STAINLESS STEEL	~~17~~ 6	
190	~~22 pcs. of~~ 1½" GLOBE VALVE	BODY : GUN METAL VALVE : GUN METAL	~~14~~ 22	
191	~~16 pcs. of~~ 1" GLOBE VALVE	BODY : GUN METAL VALVE : GUN METAL	~~5~~ 16	
192	~~18 pcs. of~~ 3/4" GLOBE VALVE	DITTO	~~7~~ 18	
"	~~5/8" GLOBE VALVE~~	~~DITTO~~	~~10~~	
194	~~2 pcs. of~~ ½" GLOBE VALVE	BODY : CAST STEEL VALVE : GUN METAL FACE TO FACE: ~~15~~ 65 mm	~~8~~ 2	
195	12" GAS PIPE ABOVE GROUND	OUT DIA : 318.3mm TOTAL LENGTH: ~~40M~~ 10.8 M	1	
196	10" GAS PIPE ABOVE GROUND	OUT DIA : 267.1 mm TOTAL LENGTH: 58.2 m	1	
197	8" GAS PIPE ABOVE GROUND	OUT DIA : 216.3mm TOTAL LENGTH: ~~50M~~ 80 M	1	
198	6" GAS PIPE ABOVE GROUND	OUT DIA : 165.2mm TOTAL LENGTH: ~~380M~~ 350 M	1	
199	4" GAS PIPE ABOVE GROUND	OUT DIA : 114.3mm TOTAL LENGTH: 450M	1	
200	3" GAS PIPE	OUT DIA : 39.1mm TOTAL LENGTH: 200M	1	

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		FACE TO FACE: ~~39~~ mm 65		
195	12" GAS PIPE ABOVE GROUND	OUT DIA : 318.3mm TOTAL LENGTH: ~~40M~~ 10.8 M	1	
196	10" GAS PIPE ABOVE GROUND	OUT DIA : 267.1 mm TOTAL LENGTH: 58.2 m	1	
197	8" GAS PIPE ABOVE GROUND	OUT DIA : 216.3mm TOTAL LENGTH: ~~50M~~ 80 M	1	
198	6" GAS PIPE ABOVE GROUND	OUT DIA : 165.2mm TOTAL LENGTH: ~~380M~~ 350 M	1	
199	4" GAS PIPE ABOVE GROUND	OUT DIA : 114.3mm TOTAL LENGTH: 450M	1	
200	3" GAS PIPE ABOVE GROUND	OUT DIA : 39.1mm TOTAL LENGTH: 300M	1	
201	2½" GAS PIPE ABOVE GROUND.	OUT DIA : 76.3mm TOTAL LENGTH: ~~100M~~ 20.8 M	1	
202	2" GAS PIPE ABOVE GROUND	OUT DIA : 60.5mm TOTAL LENGTH : 500M	1	
203	1½" GAS PIPE ABOVE GROUND	OUT DIA : 48.6mm TOTAL LENGTH: 200M 222 M	1	
204	1" GAS PIPE ABOVE GROUND	OUT DIA. : 34.0mm TOTAL : ~~800M~~ 188.5 M	1	
205	3/4" GAS PIPE ABOVE GROUND	OUT DIA : 27.2mm TOTAL LENGTH: 900M 148.7 M	1	
206	½" GAS PIPE ABOVE GROUND	OUT DIA : 21.7mm TOTAL LENGTH: ~~100M~~ 105.5 M	1	
		~~SUB TOTAL QUANTITY~~	~~333~~	
		~~ITEMS~~	~~207~~	
		~~GRAND~~	~~329~~	
			~~329~~	

 Sub Total

Item 204 (329 Pieces)

OIL STORAGE TANKS (~~1~~) (45-32)

(EVALUATION WORK SHEET NO. ~~17~~ -3 AND ADDITIONALLY EVALUATED)

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
5T	STORAGE TANK	VERTICAL CAP : ~~3100~~ 3200 KL D : ~~36.6~~ 18.790 M x H : ~~12.49~~ 11.832 M	1	ROOF PLATE DISMANTLED SIDE & BOTTOM PLATE RIVET CUTOFF
7T	ditto	ditto	1	DISMANTLED
8T	ditto	ditto	1	
10T	ditto	ditto	1	ROOF, TRUSS & HEATING COILS DISMANTLED SIDE & BOTTOM RIVET CUTOFF
11T	ditto	ditto	1	ROOF PLATE BENT DOWNWARD 1-ST. COURSE OF SIDEPLATE & BOTTOM RIVETS CUTOFF HEATING COIL DISMANTLED 11-BOMB HOLES ON SIDE PLATE
12T	ditto	ditto	1	ROOF PLATE & 50% OF TRUSS DISMANTLED SIDE & BOTTOM RIVETS CUTOFF 12-BOMB HOLES
13T	ditto	ditto	1	ROOF PLATE & 25% OF TRUSS, REQ'D REPAIR SIDE & BOTTOM PLATE RIVETS CUTOFF HEATING COIL DISMANTLED
14T	ditto	ditto	1	ROOF PLATE BENT 10% OF TRUSS REQ'D REPAIR 5-BOMB HOLES ON SIDE PLATE

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				ON SIDE PLATE
12T	ditto	ditto	1	ROOF PLATE & 50% OF TRUSS DISMANTLED SIDE & BOTTOM RIVETS CUTOFF 12-BOMB HOLES
13T	ditto	ditto	1	ROOF PLATE & 25% OF TRUSS, REQ'D REPAIR SIDE & BOTTOM PLATE RIVETS CUTOFF HEATING COIL DISMAN-TLED
14T	ditto	ditto	1	ROOF PLATE BENT 10% OF TRUSS REQ'D REPAIR 5-BOMB HOLES ON SIDE PLATE
15T	ditto	ditto	1	DISMANTLED
16T	ditto	VERTICAL CAP : 2100 KL D : 16.029 M x H : 10.364 M	1	
17T	ditto	ditto	1	50% ROOF TRUSS DIS-MANTLED 1 Pc. OF SIDE PLATE DISMANTLED 50% OF BOTTOM PLATE RIVETS CUTOFF
18T	ditto	ditto	1	
19T	ditto	ditto	1	1 Pc. OF SIDEPLATE DISMANTLED
20T	ditto	ditto	1	
21T	ditto	ditto	1	ROOF PLATE ARE CUT 1 Pc. OF SIDEPLATE DISMANTLED
22T	ditto	ditto	1	ditto
23T	ditto	ditto	1	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
24T	STORAGE TANK	VERTICAL CAP : 2100 KL D : 16.029 M x H : 10.364 M	1	1 Pc. OF SIDEPLATE & HEATING COIL DISMANTLED
25T	ditto	ditto	1	ROOF PLATE ARE CUTTED ROOF TRUSS DISMANTLED 1 Pc.OF SIDE PLATE DISMANTLED SIDE & BOTTOM RIVETS CUTOFF
28T	ditto	ditto	1	ROOF & 2 Pcs OF SIDE- PLATE ARE BENT ROOF TRUSS REQ'D REPAIR 7-BOMB HOLES

~~Sub Total~~

~~Quantity : 19~~

~~Item : 19~~

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~~STORAGE TANKS (II)~~

~~(EVALUATION SHEET NO. 1)~~

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
30T	STORAGE TANK	HORIZONTAL CAP : 520 KL D : 5.9 M x L : 19.185 M	1	
31T	ditto	ditto	1	
32T	ditto	ditto	1	
33T	ditto	VERTICAL CAP : 910 KL D : 11.5 M x H : 8.8 M	1	
34T	ditto	ditto	1	5% OF SIDE PLATE BOMBING
35T	ditto	ditto	1	
36T	ditto	ditto	1	10% OF SIDE PLATE BOMBING
37T	ditto	ditto	1	5% OF SIDE PLATE BOMBING
38T	~~ditto~~	ditto	1	ditto
39T	ditto	ditto	1	10% OF SIDE PLATE BOMBING
40T	ditto	CAP: 56 m³ D: 3m x H: 8m	1	
41T	ditto	ditto	1	

~~Sub Total~~

~~Total~~

~~Quantity : 10~~

34T	ditto	ditto	1	
35T	ditto	ditto	1	10% OF SIDE PLATE BOMBING
36T	ditto	ditto	1	5% OF SIDE PLATE BOMBING
37T	ditto	ditto	1	ditto
38T	~~ditto~~	ditto	1	10% OF SIDE PLATE BOMBING
39T	ditto	ditto	1	
40T	ditto	CAP: 56 m³ D: 3m x H: 8m	1	
41T	ditto	ditto	1	

~~Sub Total~~

~~Total~~

~~Quantity : 10~~

~~Items : 10~~

Sub Total

Item 32 (32 pieces)

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ACCESSORIES FOR OIL STORAGE TANKS (~~I~~) (45-32)

(EVALUATION WORK SHEET, 4~43, & ADDITIONALLY EVALUATED)

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
1	MOTOR	INDUCTION, 150 HP 3,300 V 3 PHASE 60 CYCLE 890 R.P.M.	1	
5	COMPENSATOR	3,000/3,300 V 50/60 CYCLE	/	FOR 150 HP MOTOR
7	PUMP	WORTHINGTON, DUPLEX 10 x 7 x 10	1	
8	ditto	WORTHINGTON, DUPLEX 14 x 10 x 12	1	
19	ditto	TURBINE, 1 STAGE 1,750 R.P.M.	1	
20	MOTOR	INDUCTION, 50 HP 3,300 V 3 PHASE 60 CYCLE 1750 R.P.M.	1	
21	PUMP	TURBINE, 1 STAGE 1,750 R.P.M.	1	
22	MOTOR	INDUCTION, 50 HP 220 V 3 PHASE 60 CYCLE 1,750 R.P.M.	1	
25	PUMP	KAGANO, 15 HP	1	
26	MOTOR	INDUCTION, 15 HP 220 V 3 PHASE 60 CYCLE 1,140 R.P.M.	1	
27	TRANSFORMER	SINGLE PHASE CAP ; 50 KVA 60 CYCLE	1	
28	ditto	ditto	1	

21	PUMP	1,750 R.P.M. TURBINE, I STAGE 1,750 R.P.M.	1
22	MOTOR	INDUCTION, 50 HP 220 V 3 PHASE 60 CYCLE 1,750 R.P.M.	1
25	PUMP	KAGANO, 15 HP	1
26	MOTOR	INDUCTION, 15 HP 220 V 3 PHASE 60 CYCLE 1,140 R.P.M.	1
27	TRANSFORMER	SINGLE PHASE CAP ; 50 KVA 60 CYCLE	1
28	ditto	ditto	1
29	ditto	ditto	1
34	MOTOR	INDUCTION, 50 HP 3,300 V 3 PHASE 60 CYCLE ~~720~~ 865 R.P.M.	1
~~38~~	~~WINCH~~	~~HAND OPERATE~~ ~~DRUM DIA 8" x W.15"~~	~~1 FOR 2T~~
~~39~~	~~ditto~~	~~ditto~~	~~1 FOR 3T~~
41	WINCH	HAND OPERATE DRUM DIA 5" x W.7"	1 FOR 5 T
43	ditto	ditto	1 FOR 7T
44	ditto	ditto	1 FOR 8T
46	ditto	ditto	1 FOR 10T
47	ditto	ditto	1 FOR 11T
48	ditto	ditto	1 FOR 12T
49	ditto	ditto	1 FOR 13T
51	ditto	ditto	1 FOR 15T

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
52	WINCH	HAND OPERATE DRUM DIA 5" x W.7"	1	FOR 16T
53	ditto	ditto	1	FOR 17T
54	ditto	ditto	1	FOR 18T
57	ditto	ditto	1	FOR 21T
58	ditto	ditto	1	FOR 22T
61	ditto	ditto	1	FOR 25T
64	ditto	ditto	1	FOR 28T
~~65~~	~~ditto~~	~~HAND OPERATE DRUM DIA 8" x W 11"~~	~~1~~	~~FOR 29T~~
~~70~~	~~LIGHTNING TOWER~~	~~HEIGHT 50 M BUILTUP STRUCTURE~~	~~1~~	
73	LIGHTNING TOWER ~~ditto~~	HEIGHT 50M ~~ditto~~ BUILTUP STRUCTURE	1	
76	FOMITE APPARATUS	5 MIXING TANKS DIA 11M x H 4.25 M	1	
77	ditto	ditto	1	
25V	6" SLUICE VALVE	BODY C.I FACE TO FACE ~~250~~ 280mm	1	
72V	8" SLUICE VALVE	BODY C.I FACE TO FACE 300mm	1	
73V	6" ATOMOS VALVE	BODY C.I	1	
74V	ditto	ditto	1	
75V	ditto	ditto	1	

76	FOMITE APPARATUS	5 MIXING TANKS DIA 11M x H 4.25 M	1	
77	ditto	ditto	1	
25V	6" SLUICE VALVE	BODY C.I FACE TO FACE ~~250~~ 288mm	1	
72V	8" SLUICE VALVE	BODY C.I FACE TO FACE 300mm	1	
73V	6" ATOMOS VALVE	BODY C.I	1	
74V	ditto	ditto	1	
75V	ditto	ditto	1	
78V	ditto	ditto	1	
87V	ditto	ditto	1	
88V	ditto	ditto	1	
91V	6" SLUICE VALVE	BODY C.I. FACE TO FACE 280mm	1	
92V	ditto	ditto	1	
114V	6" ATOMOS VALVE	BODY C.I.	1	
115V	ditto	ditto	1	
126V	ditto	ditto	1	
127V	ditto	ditto	1	
132V	ditto	ditto	1	
133V	ditto	ditto	1	
141V	8" SLUICE VALVE	BODY C.I. FACE TO FACE 300 mm	1	HANDLE MISSING

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
~~115V~~	~~6" ATOMOS VALVE~~	~~BODY C.I.~~	~~1~~	
~~126V~~	~~ditto~~	~~ditto~~	~~1~~	
~~217V~~	~~ditto~~	~~ditto~~	~~1~~	
~~132V~~	~~ditto~~	~~ditto~~	~~1~~	
~~133V~~	~~ditto~~	~~ditto~~	~~1~~	
~~141V~~	~~8" SLUICE VALVE~~	~~BODY C.I. FACE TO FACE 300~~	~~1~~	~~HANDLE MISSING~~
142V	6" ATOMOS VALVE	BODY C.I.	1	
143 V	ditto	ditto	1	
146V	ditto	ditto	1	
147V	ditto	ditto	1	
152V	ditto	ditto	1	
153V	ditto	ditto	1	
166V	ditto	ditto	1	
167V	ditto	ditto	1	
171V	ditto	ditto	1	
176V	ditto	ditto	1	STRAINER MISSING
194V	ditto	ditto	1	
195V	ditto	ditto	1	
		ditto	1	

146V	ditto	ditto	1	
147V	ditto	ditto	1	
152V	ditto	ditto	1	
153V	ditto	ditto	1	
166V	ditto	ditto	1	
167V	ditto	ditto	1	
171V	ditto	ditto	1	
176V	ditto	ditto	1	STRAINER MISSING
194V	ditto	ditto	1	
195V	ditto	ditto	1	
208V	ditto	ditto	1	
209V	ditto	ditto	1	

~~Sub Total~~

~~Quantity : 66~~

~~Item : 66~~

~~Item No.~~				
~~NONE~~ None	~~3 pcs. of~~ STOP VALVES	SIZE : 110 mm BODY : CAST IRON	2	ATMOS VALVE is MISTAKEN
"	PIPE (ABOVE GROUND)	DIA : 114 mm TOTAL LENGTH : 224 m	1	
"	~~14 pcs. of~~ ATMOS VALVES	SIZE : 100 mm BODY : CAST IRON TRIM : BRONZE	14	
"	GAS PIPE (ABOVE GROUND)	SIZE : 200 mm TOTAL LENGTH : 35 m	1	
"	ditto	SIZE : 150 mm TOTAL LENGTH : 325 m	1	
"	ditto	SIZE : 100 mm TOTAL LENGTH : 85 m	1	
"	ditto	SIZE : 75 mm TOTAL LENGTH : 128 m	1	

~~TOTAL~~

~~Items~~ ~~70 84~~

Sub Total

Item 70 (84 Pieces)

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MISCELLANEOUS EQUIPMENT (45-5)

~~ACCESSORIES FOR STORAGE TANKS (II)~~

(EVALUATION WORK SHEET NO. 785)

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
1663	10" SLUICE VALVE	BODY : C.I. FACE TO FACE : 320mm	1	
1664	ditto	ditto	1	
1665	ditto	ditto	1	
1666	ditto	ditto	1	
1667	ditto	ditto	1	
1668	ditto	ditto	1	
1669	ditto	ditto	1	
1670	ditto	ditto	1	
1671	ditto	ditto	1	
1672 ~1675	8" SLUICE VALVE	BODY : C.I. FACE TO FACE 290mm	~~1~~ 4	
1676 ~1678	ditto	ditto	~~1~~ 3	
1679 ~1680	ditto	ditto	~~1~~ 2	
1681	ditto	ditto	1	
1682	ditto	ditto	1	
1683	ditto	ditto	1	
1684	ditto	ditto	1	
[illegible]	[illegible]	ditto	1	

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1671	ditto	ditto	1	
1672 ~1675	8" SLUICE VALVE	BODY : C.I. FACE TO FACE 290mm	~~1~~ 4	
1676 ~1678	ditto	ditto	~~1~~ 3	
1679 ~1680	ditto	ditto	~~1~~ 2	
1681	ditto	ditto	1	
1682	ditto	ditto	1	
1683	ditto	ditto	1	
1684	ditto	ditto	1	
1685	ditto	ditto	1	
1686	ditto	ditto	1	
1687	ditto	ditto	1	
1688	6" SLUICE VALVE	BODY : I.C. FACE TO FACE 260mm	1	
1689	ditto	ditto	1	
1690 ~1708	ditto	ditto	1 19	
~~NONE~~	~~ATMOS VALVE~~	~~BODY : C.I.~~	~~14~~	~~FOR 1,000KL TANK 7 SETS~~
Item No. ~~NONE~~ 3071	GAS PIPE	10" 1,010 M	1	
~~NONE~~ 3074	ditto	8" 360 M	1	
~~NONE~~	~~ditto~~	~~3 1/2" 100 M~~	~~1~~	
~~Item No.~~ ~~NONE~~ 3075 ~~3077~~	GAS PIPE (ABOVE GROUND)	SIZE: 150 mm TOTAL LENGTH: 200 m	1	
3078 ~~NONE~~ ~~3074~~	ditto	SIZE: 100 mm TOTAL LENGTH: 800 m	1	
3080 ~~NONE~~	ditto	SIZE: 75 mm TOTAL LENGTH: 200 m	1	
40F16	TACHOMETER	WORKING REVOLUTION 370 R.P.M.	1	

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1690 ~1708	ditto	ditto	1/19	
~~NONE~~	~~ATMOS VALVE~~	~~BODY : C.I.~~	~~14~~	~~FOR 1,000KL TANK 7 SETS~~
Item No. ~~NONE~~ 3071	GAS PIPE	10" 1,010 M	1	
~~NONE~~ 3074	ditto	8" 360 M	1	
~~NONE~~	~~ditto~~	~~3 1/2" 100 M~~	~~1~~	
~~Item No.~~ 3075 ~~NONE~~ ~~3077~~	GAS PIPE (ABOVE GROUND)	SIZE: 150 mm TOTAL LENGTH: 200 m	1	
3078 ~~NONE~~ ~~3074~~	ditto	SIZE: 100 mm TOTAL LENGTH: 800 m	1	
3080 ~~NONE~~	ditto	SIZE: 75 mm TOTAL LENGTH: 200 m	1	
40F16	TACHOMETER	WORKING REVOLUTION 370 R.P.M.	1	

~~TOTAL ITEMS~~ ~~52~~

Sub Total

Item 52 (52 Pieces)

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

SERVICE TANK (45-5)

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
16(28)	TANK	VERTICAL SEMI-UNDER GROUND CAP: ~~1000 KL~~ 800 KL D : 14.0 M x H : 6.5 M	1	7-BOMB HOLES ROOF PLATE REQ'D RENEW
937	ditto	VERTICAL, CAP, 900 KL D : 11.47 M x H : 8.942 M	1	SIDE PLATE DAMAGED BY BOMBING
~~222F3~~	~~ditto~~	~~VERTICAL, CAP : 500KL~~ ~~D : 9.0 M x H : 8.7 M~~	~~1~~	~~2-SIDE PLATES BURNT~~ DAMAGE
~~223F3~~	~~ditto~~	~~ditto~~	~~1~~	~~3- ditto~~
~~224F3~~	~~ditto~~	~~ditto~~	~~1~~	~~10- ditto~~
~~225F3~~	~~ditto~~	~~ditto~~	~~1~~	~~3- ditto~~
~~226F3~~	~~ditto~~	~~ditto~~	~~1~~	~~5- ditto~~
~~227F3~~	~~ditto~~	~~ditto~~	~~1~~	~~3- ditto~~
~~228F3~~	~~ditto~~	~~ditto~~	~~1~~	
936	ditto	VERTICAL, CAP : 400 KL D : 9.55 M x H : 5.981 M	1	ROOF MISSING
22(47)	ditto	VERTICAL, CAP : 400 KL D : 9.55 M x H : 6.486 M.	1	10-BOMB HOLES 3 SHEETS OF SIDEPLATES & 1/3 OF ROOF REQ'D REPAIR
935	ditto	VERTICAL, CAP : 300 KL D : 8.21 M x H : 5.981 M	1	ROOF MISSING
1F8	ditto	VERTICAL, CAP : 300 KL D : 7.4 M x H : 8.1 M	1	
"	ditto	ditto	1	DISMANTLED

		D : 9.55 M x H : 5.981 M		
22(47)	ditto	VERTICAL, CAP : 400 KL D : 9.55M x H : 6.486 M.	1	10-BOMB HOLES 3 SHEETS OF SIDEPLATES & 1/3 OF ROOF REQ'D REPAIR
935	ditto	VERTICAL, CAP : 300 KL D : 8.21 M x H : 5.981 M	1	ROOF MISSING
1F8	ditto	VERTICAL, CAP : 300 KL D : 7.4 M x H : 8.1 M	1	
66	ditto	ditto	1	DISMANTLED
67	ditto	ditto	1	ditto
68	ditto	ditto	1	ditto
69	ditto	ditto	1	ditto
70	ditto	ditto	1	ditto
71	ditto	ditto	1	ditto
72	ditto	ditto	1	ditto
73	ditto	ditto	1	ditto
74	ditto	ditto	1	ditto
76	ditto	ditto	1	ditto
77	ditto	ditto	1	ditto
11F10	ditto	VERTICAL, CAP : ~~250~~ 100 KL D : ~~7.1~~ 7 M x H : 6.1 M	1	WINCH & SWING PIPE MISSING
12F10	ditto	ditto	1	ditto

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
137F10	TANK	VERTICAL CAP : ~~230~~ 100 KL D : ~~7.1~~ 7 M x H : 6.1 M	1	WINCH & SWING PIPE MISSING
138F10	ditto	ditto	1	ditto
938	ditto	VERTICAL CAP : 200 KL D : 6.68 M x H : 5.97 M	1	
37F2	ditto	VERTICAL CAP : 150 KL D : 7.49 M x H : 3.36 M	1	
38F2	ditto	ditto	1	
51F2	ditto	ditto	1	
178F2	ditto	ditto	1	
~~24(38)~~	~~ditto~~	~~VERTICAL CAP : 150 KL~~ ~~D : 5.72 M x H : 5.986 M~~	~~1~~	~~ROOF & SHELL BOMB HOLE~~
~~24(39)~~	~~ditto~~	~~ditto~~	~~1~~	~~ditto~~
137F2	ditto	VERTICAL CAP : ~~100~~ 150 KL D : 6.49 M x H : 3.36 M	1	
31F6	ditto	VERTICAL CAP : ~~100~~ 60 KL D : 5.3 M x H : 4.5 M	1	
32F6	ditto	ditto	1	
33F6	ditto	ditto	1	
~~139F9~~	~~ditto~~	~~VERTICAL, CAP : 100 KL~~ ~~D : 5.2 M x H : 4.73 M~~	~~1~~	
~~140 F9~~	~~ditto~~	~~ditto~~	~~1~~	
~~141F9~~	~~ditto~~	~~ditto~~	~~1~~	

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~~24(38)~~	~~ditto~~	~~VERTICAL CAP : 150 KL D : 5.72 M x H : 5.986 M~~	~~1~~	~~BOMB HOLE~~
~~24(39)~~	~~ditto~~	~~ditto~~	~~1~~	~~ditto~~
137F2	ditto	VERTICAL CAP : ~~100~~ 150 KL D : 6.49 M x H : 3.36 M	1	
31F6	ditto	VERTICAL CAP : ~~100~~ 60 KL D : 5.3 M x H : 4.5 M	1	
32F6	ditto	ditto	1	
33F6	ditto	ditto	1	
~~139F9~~	~~ditto~~	~~VERTICAL, CAP : 100 KL D : 5.2 M x H : 4.73 M~~	~~1~~	
~~140 F9~~	~~ditto~~	~~ditto~~	~~1~~	
~~141F9~~	~~ditto~~	~~ditto~~	~~1~~	
~~142F9~~	~~ditto~~	~~ditto~~	~~1~~	
17(38)	ditto	VERTICAL CAP : ~~60~~ 50 KL D : 4.0 M x H : 5.0 M	1	SIDE PLATE DAMAGED BY BOMBING
16(8)	ditto	VERTICAL CAP: 50 KL D : 4.6 M x H : 3.6 M UNDER GROUND	1	
16(9)	ditto	ditto	1	ROOF DAMAGED BY BOMBING
16(10)	ditto	ditto	1	ditto
16(11)	ditto	ditto	1	
16(12)	ditto	ditto	1	
16(13)	ditto	ditto	1	
126F2	ditto	VERTICAL, CAP : 50 KL D : 4.58 M x H : 3.36 M	1	

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Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
~~229F3~~	~~TANK~~	~~VERTICAL, CAP : 50 KL~~ ~~D : 4.75 M x H : 3.0 M~~	~~1~~	
~~200F5~~	~~GAS HOLDER~~	~~VERTICAL, CAP : 2,000 M³~~ ~~DIA : 16,000 mm~~	~~1~~	
		~~Sub Total~~		
		~~Quantity :~~	~~53~~	
		~~Item :~~	~~53~~	
17(40)	GAS HOLDER	VERTICAL TYPE CAP: 500 M³ D: 8M. H: 12M	1	
17(41)	ditto	ditto	1	
		~~SUB TOTAL~~		
		~~Items 40 (40 Pieces)~~		
		~~GRAND TOTAL OF ITEMS 2,372~~		
		Sub Total		
		Item 40 (40 Pieces)		

GRAND TOTAL

~~SUB TOTAL~~

~~Items 40 (40 Pieces)~~

~~GRAND TOTAL OF ITEMS 2,374~~

Sub Total

Item 40 (40 Pieces)

GRAND TOTAL

ITEM 1030 (2374 PIECES)

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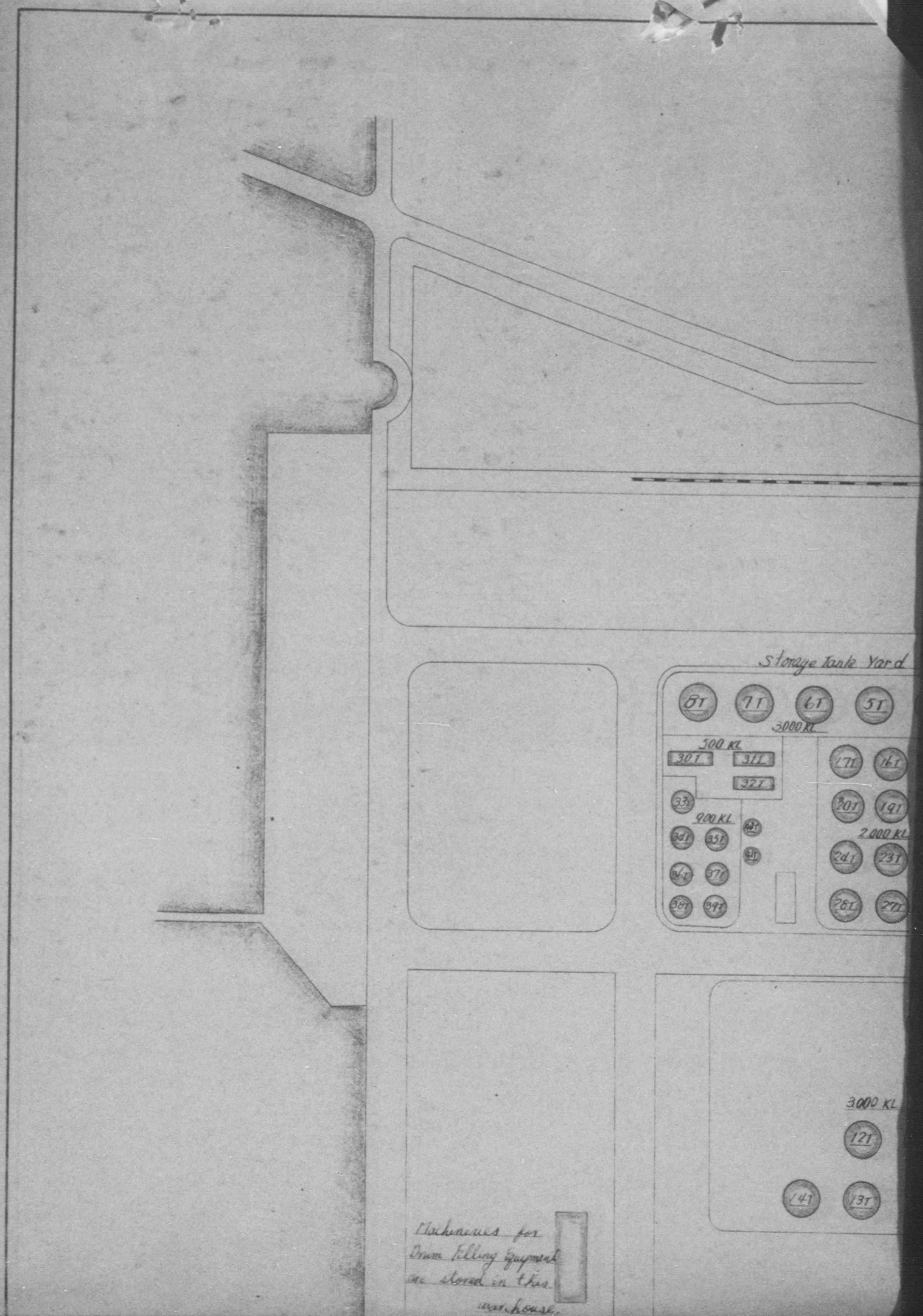

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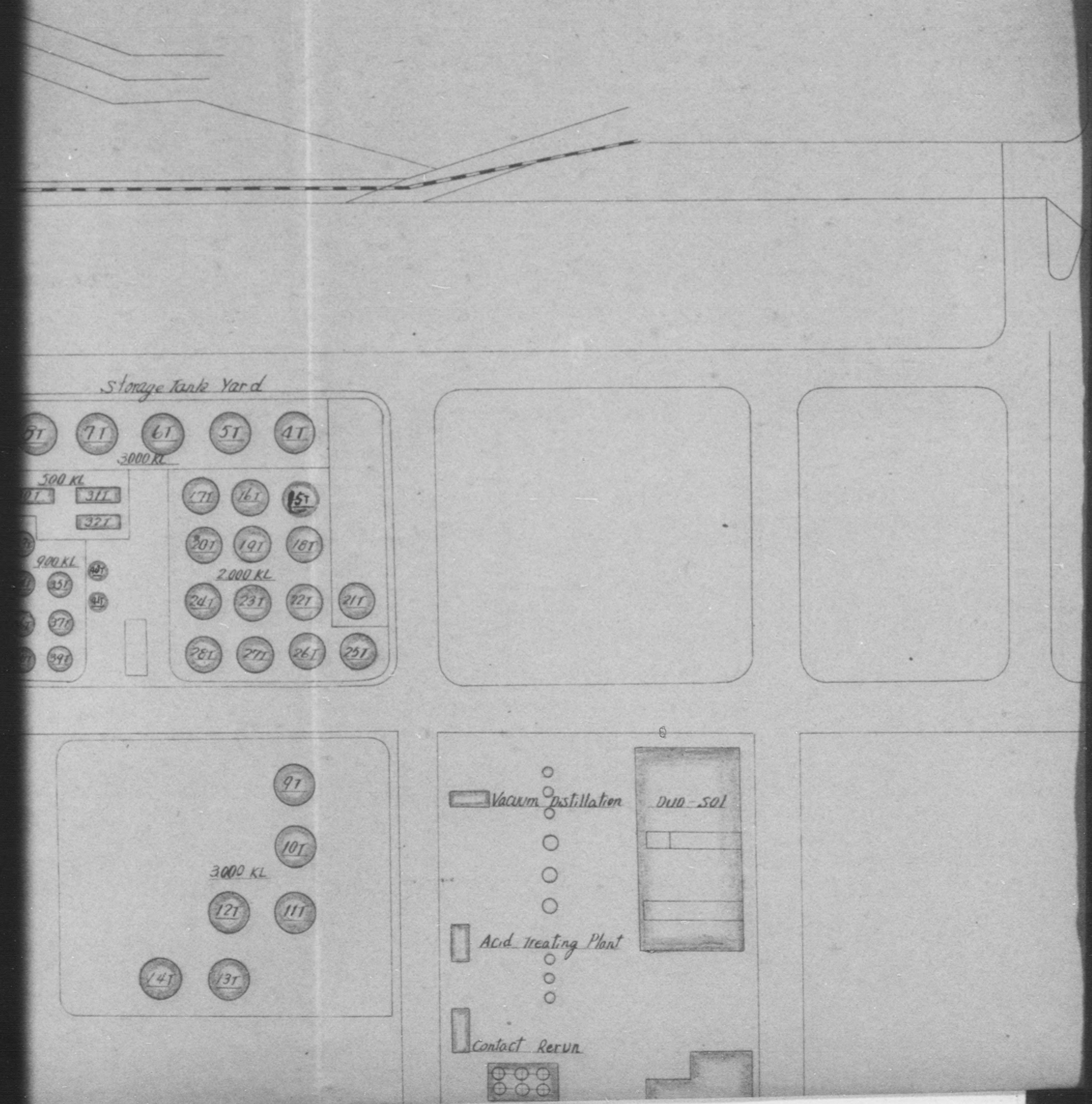
PLAN OF THE MA

(Combinated with former Iwakuni



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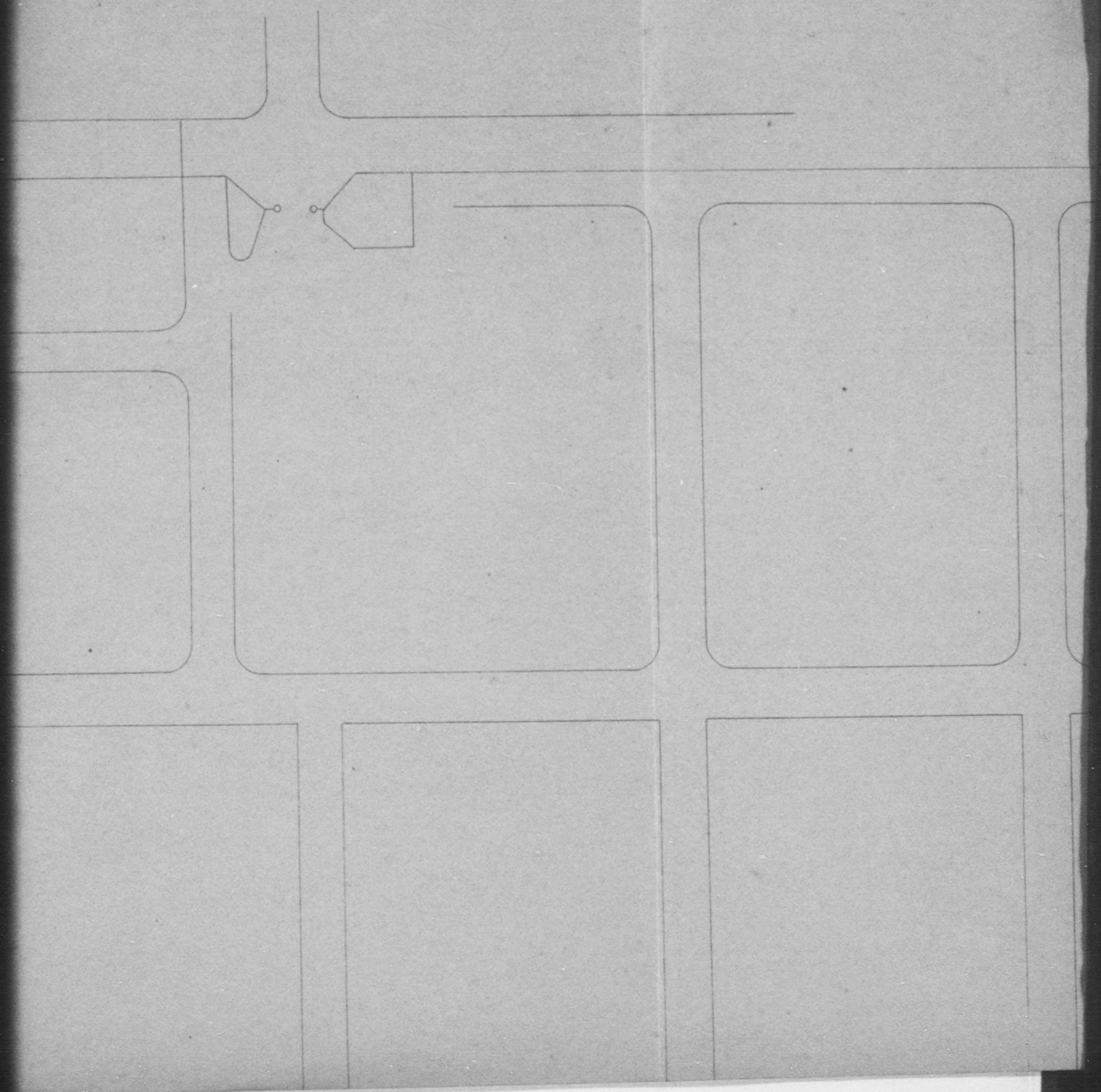
THE MARIFU REFINERY

(former Iwakuni army fuel depot)

Scale 1/2000



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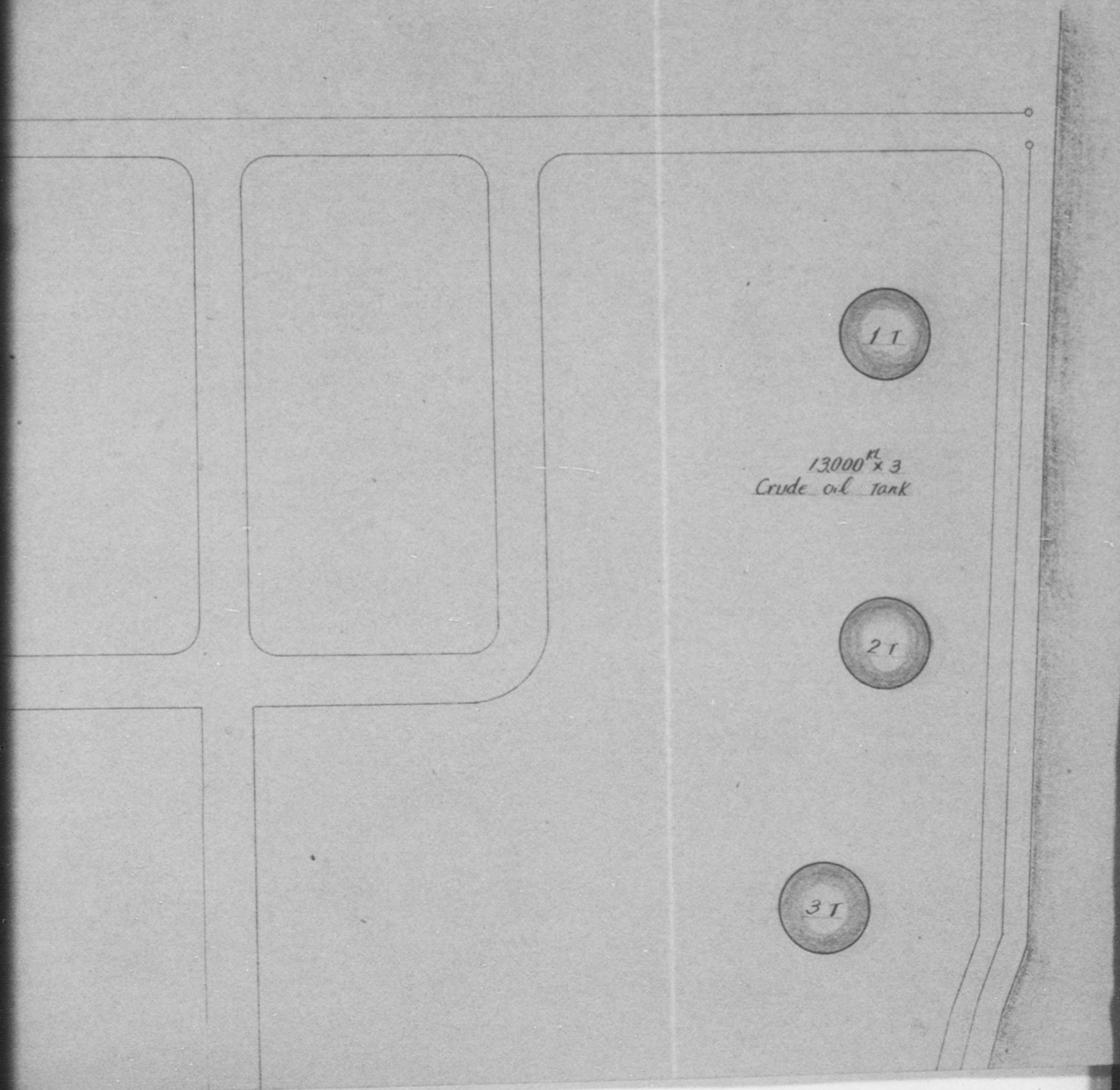
1/2000