Declassified E.O. 12356 Section 3.3/NND No. 785019

ACC 203/PWU

10000/150/576
(VOL. 2)(2ND PART)

ELECTR
(MAY 19-
JUNE 19

Declassified E.O. 12356 Section 3.3/NND No. 785019

10000/150/576
(VOL. 2)(2ND PART)

ELECTRIC POWER EQUIPMENT
(MAY 1944);
JUNE 1944 – JUNE 1946

[redacted]

~~203/PWU~~

ELECTRIC POWER EQUIPMENT

2nd. part

Op. 10 Mar 45

REFERRED TO		DEALT WITH		Folio No.	REFERRED TO		DEALT WITH	
Name or Appointment	Date	Initials	Date		Name or Appointment	Date	Initials	Date
Maj Laughton	5/6	[illegible]						
Maj [illegible]								
[illegible]								
Maj [illegible]								
[illegible]								
Col K [illegible]								
[illegible]								
Col La [illegible]								
Col La [illegible]								
[illegible]								
Maj Laug [illegible]								
[illegible]								
Director								

10000 / 150 / 576

THIS FOLDER
CONTAINS PAPERS
FROM JUNE 44
TO JUNE 46

Declassified E.O. 12356 Section 3.3/NND No. 785019

Col K

Col La

Col La

Dir

Dir

Dir

36-2

MINISTERO DELLE CORPORAZIONI

DIVISIONE INDUSTRIA

Soc. P. Pirelli

e Milano

Impostazione calandra

Declassified E.O. 12356 Section 3.3/NND No. 785019

Soc. H. Pirelli

c/ Milano

Importazione calandra

103

« La Tipografica » - Roma XI - V. Labicana, 24 - Ord. 912 (20.000)

Declassified E.O. 12356 Section 3.3/NND No. 785019

Note: Folios 2, 3, 4, 5, 6, 7, 8, 9, 10 and 29 transferred to file 243.

27 April 45.

CA Smith Jr.

4583

Declassified E.O. 12356 Section 3.3/NND No. 785019

1073

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C.
5 MAY 1945 203

HEADQUARTERS ALLIED COMMISSION
Office of the Chief Commissioner
APO 394

JAQ/hjp 39

4 May 1945

SUBJECT: Erection of Power Plant

TO : Colonel Lapper, Public Works & Utilities S/C, Hq A.C.

Admiral Stone has received copies of the supplemental agreement and contract under which Mr. Bror G. Carlson has arrived as Erectional Supervisor. He would be grateful if you would furnish him with a short report on the erection of this power plant, i.e., where it is to be erected and who is instigating the whole affair.

J. A. Quayle.

J. A. QUAYLE
Major, R. A.
Staff Officer to CC

4582

Col Lapper
EJS

Declassified E.O. 12356 Section 3.3/NND No. 785019

Headquarters.
Venezia Giulia.
Allied Military Government.
A.P.O. 394.

No. 76 April 45

Dear major Laughlin.

I don't know whether you were receive my letter re the two Generators, before they reach you, so incase they don't I am giving the N.C.O i/c this letter for you.

After an unsuccessful attempt to start them had been made, I made an inspection which showed the following.

In each Za-Lai engine, water had gotten into the cylinder block and had rusted the cylinders, and pistons to such an extent that they, in their present condition are completely useless.

In addition, the valves, push rods, rocker gear etc., show bad signs of rusting. Damage has also been done to the Voltage Regulator on No 6082020, the

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BEST COPY POSSIBLE

Declassified E.O. 12356 Section 3.3/NND No. 785019

lead of them from the point and left to
them, as was the fleet, also the frequency meter as
No 6021191.

No further inspection was made as it
was quite obvious that the generators are
quite useless in their present state.

An attempt was made to have them
repaired locally, but with no luck. It being
too big a job. So they are being returned
to you, the white Elephants they
unfortunately are. Sorry because they
might have been very useful.

Yours sincerely
Jule. A. Butcher

N.B.
Official report to post

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel: AUGUSTA
Ext: 317

LWL/ac

HEADQUARTERS ALLIED COMMISSION
APO 794
Industry and Utilities Branch

203/AMU

14 June 1946

SUBJECT: Wind-driven generators

TO : Ministry of Public Works - Ispettorato Elettricita
(Attn: Ing. A. Asta)
Porta Pia, Roma

1. Attached letter from Prof. Amatucci, concerning a new wind-driven generator.

2. That letter is forwarded to you since Allied Commission is not concerned with new Italian patents or financial assistance to inventors or experimenters.

LOUIS W. LAUGHLIN
Major, CE
Acting Deputy Director

cc: Prof. A. Amatucci
Seminario Regionale
In Cherchia (Viterbo)

1 Enclosure--Letter from Prof. Amatucci, Viterbo to Allied Commission, dated 9 June 1946

4589

Declassified E.O. 12356 Section 3.3/NND No. 785019

RWS/rlv

9081.Ext.339

106

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

16 October 1945

Ref: 203/PWU

Subject: Disposal of " E&M " Plant
Refugee Center, Aversa.

To : Allied Force Headquarters
(Att: Engineer Section (BR)

100

Reference your ENG/2070 dated 21 September 1945 together with copy of letter from C.E. 3 District dated 12 September 1945.

1. It has been dtermined that the Refugee Center would be untenable without the items of plant covered by the letter of CE 3 District as A.C. is not in position to replace if withdrawn.

2. The suggestion to deal with the three items of plant as a fixed asset under the terms of 6752/Q (maint) letter of 25 August 1945 is agreable with this Headquarters and proper documentation will proceed without delay.

E.J.RISTEDT,
Colonel C.E.
A/Director.

4579

Declassified E.O. 12356 Section 3.3/NND No. 785019

RMG/gg

RECEIVED
P.W. & U. S/C A.C.
9 OCT 1945
203

G4/102/38

INTER OFFICE MEMO
OFFICE OF G-4 (B)

Ext: 285.

8 October 1945.

SUBJECT : Disposal of "E" and "M" Plant, Refugee Centre, Aversa.

TO : Director, Public Works and Utilities Sub-Commission.

1. Reference AFHQ (Engineer Section (Br)) letter ENG/2070 dated 21 September 1945 addressed to you.

2. Will you please inform this Branch of the present position regarding the retention of the above equipment in order that correspondence with Director, Displaced Persons and Repatriation Sub-Commission may be settled.

for D.H. HASLAM
Lt.Col.R.A.
G-4 (B)

Copy to : Displaced Persons and Repatriation Sub-Commission.

Declassified E.O. 12356 Section 3.3/NND No. 785019

6652

Pub. Works & U.

RECEIVED
P.W. & U. S/C A.C.
8 OCT 1945 203

AILIED FORCE HEADQUARTERS
G-5 Section
APO 512

DEL/J 104

E-2

6 October 1945

SUBJECT: Disposal of "E & M" Plant, Refugee Center AVERSA.

TO : Headquarters, Allied Commission, APO 394.
(Attn: Public Works & Utilities Sub-Commission).

100

1. Please refer to Engineer Section (Br) AFHQ letter to Allied Commission, attn: Public Works & Utilities Sub-Commission, of 21 September 1945, file: Eng/2070, subject as above.

2. This will confirm to Allied Commission that G-5 Section has taken no action, nor contemplates taking any action, to secure War Office authority for the permanent transfer to the Allied Commission/Italian Government of the list of equipment mentioned in reference letter.

3. The list referred to in paragraph 1 of the above-mentioned letter was transmitted to the Allied Commission, attn: Public Works & Utilities Sub-Commission, in our letter H-2 of 10 September. That part of the list dealing with highway maintenance was also forwarded by our letter H-2 of 4 September 1945.

4. If the equipment is desired by the Allied Commission/Italian Government, it is agreed that the Allied Commission should take action as suggested in paragraph 2 of the reference letter. Any action by the Allied Commission/Italian Government permanently to acquire the remainder of the equipment should be taken through the Chief Disposals Officer, Ministry of Supply, Rome.

For the Assistant Chief of Staff, G-5:

D.E. Lathrope 4575

D. E. LATHROPE,
Captain CAC,
Economics & Supply Division.

Copy to:
Economic Section, Allied Commission
Engineer Section, GHQ CMF
Establishment Section, Allied Commission - letter G-5:254 of 5 Oct 45 refers
File H-2
File G-5: 254
Q(Maint) GHQ CMF

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 317

HEADQUARTERS ALLIED COMMISSION

INTER OFFICE MEMO

LWL/ac

103

203/PWU

2 Oct. 45

Subject : Portable power plants
To : G-4 2675th Regt. A.C.
(Att. Major C.C.Craig)
From : Public Works and Utilities Sub-Commission

1. Transmitted herewith for your files are tally sheets covering the turn in to the 6L56 Radar Warehouse Leghorn, of the 15 portable power units discribed as K-56 Van Body W/PE-84 power unit 9/5 A. bearing serial numbers as follows :

Attached tally Number				Serial Number	Date turned in
1	Folio	96	Above	6021356	13 June 45
2	"	81	"	6021785	20 " 45
3	"	91	"	6021785 (regulator only)	3 Aug. 45
2	"	81	"	6021854	20 June 45
2	"	81	"	6022382	20 " 45
4	"	97	"	6021362	30 " 45
5	"	80	"	6021444	25 " 45
5	"	80	"	6022405	25 " 45
6	"	86	"	6021323	5 July 45
7	"	98	"	6021244	10 " 45
8	"	92	"	6022389	13 June 45
8	"	92	"	6021191	13 " 45
8	"	92	"	6021412	13 " 45
8	"	92	"	6022020	13 " 45
9	"	97	"	6021704	17 Sept. 45
10	"	102	"	6022337	27 " 45

2. This equipment was rated as class "C" equipment and was originally furnished to Allied Commission on COMZONE MTOUSA RELEASE R-1863.

437

3. Return of the tally out, given by the undersigned as S.O. of this Sub-Commission dated 27 January 1945 is requested.

above Folio's Refer.

L.W. LAUGHLIN
Major, C.E.
S.O. Elec. Div.
P.W. & U. S/C

Enclosures
No. 10

Declassified E.O. 12356 Section 3.3/NND No. 785019

W/Ind

AMM/wg

SG-954
Headquarters Allied Commission Super Garage, A.P.O. 394, 30 September 1945

TO : Public Works and Utilities Sub-Commission
Headquarters Allied Commission, A.P.O. 394, U.S. Army

102

RECEIVED
P.W. & U. S/C A.C.
29 SEP 1945 203

ARTHUR M. McPHAIL
Captain, C. M. P.,
Motor Trans. Officer

Incls:

Tally-out (duplicate)

101 Auto

103 "

4574

Declassified E.O. 12356 Section 3.3/NND No. 785019

WAR DEPARTMENT
Q. M. C. Form. No. 190
(Revised February 8, 1938)
Reproduced by Hdqrs. A. C. C. Feb. 1941

TALLY-OUT
(Packing or Loading List)

Allied Commission APO 394
(Station)

Serial No.
Req. No. tally No 10
No. of sheets
Sheet No.

Warehouse A.C. Super Garage Rome
Consignee Signal Corp Warehouse 6156
Destination Leghorn
Routing Rome - Leghorn

Date 27 Sept 45
Carrier
B/L No.
Car No., Initials,
Seals No.

Date shipped
Authority

U. S. NOS ON PACKAGES	NUMBER AND KIND OF PACKAGES	CONTENTS	GROSS WEIGHT (Pounds) Unit	GROSS WEIGHT (Pounds) Total	CUBIC MEASURE
6022337	1	Truck K-56 Van Body W/PE 84-D power unit 575-A. #6022337 Class "C" Equipment. This equipment originally furnished to Allied Commission under Comzone ETOUSA release R-1863.			
		----------LAST ITEM----------			

102

Initialed for ID

Checker

457 Packer

Shipper

Received the above articles in apparent good order and condition (except as noted) this date

(Signature)

1256 Motor officer
(Designation)

Hq. ACC - 10-44 - 3000

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 489081
Ext. 317

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/t

101

203/PWU

25 September 1945

Subject : Portable Power Plant

To : R.S.O. 2675th Regiment
(Att. Capt. McPhail)

1. Per telephone conversation enclosed are five copies of tally sheet to be used in turning in the portable power unit No. 6022337.

2. The 6L56 Rqdar Warehouse is located a mile or so from Leghorn on the highway toward Pisa.

3. Heve the attached tally sheets signed for by the officer receiving the equipment at the Rqdar Warehouse, leave one or two copies with him as required, and return the other copies to this office.

4. We appreciate your courtesy in handling this matter for us.

for GEORGE F. PARKER
Lieut-Colonel, Inf.
Chief, Elec. Div.

Enclosures
5 tally sheets

102

4572

Declassified E.O. 12356 Section 3.3/NND No. 785019

100

ENGINEER SECTION (BR)
A.F.H.Q.
C.M.F.
Tele.No. Freedom 972

Subject:- Disposal of "E & M" Plant, Refugee Centre AVERSA. ENG/2070

To:- HQ, Allied Commission, 21 Sep 45
Public Works and Utilities Sub-Commission.

Reference attached copy letter from CE 3 District CE/6006 dated 12 Sep 45.

1. This plant was originally included in the list of plant on loan to A.C. in 3 District and G 5 were requested to obtain W.D. authority for the transfer of this plant (chiefly Road making equipment) to A.C.

2. It is suggested that the three items be deleted from the original list and be dealt with as a fixed asset under the terms of 6752/Q(Maint) letter of 25 Aug 45 (copy of which is in your possession) as without this plant it is presumed the camp would be untenable.

3. Will you please advise this HQ whether this solution is agreeable to you and if this plant can be replaced by A.C. if withdrawn.

104 refers

A.G.J.DAVY.
Major, R.E.,
for Brigadier,
Director of Works.

105 refers

Copies to:- CE 3 District.
Q Maint.
G 5.
D.E.S.(reference your DEPS/4719 of 18 Sep 45)
File ENG/2501

RECEIVED
P.W. & U. S/C A.C.
24 SEP 1945 203

Copies taken by Mr Hyland to Naples
106 refers
Rec'd 26/9/45

Declassified E.O. 12356 Section 3.3/NND No. 785019

COPY.

Subject:- E & M Plant.

D.E.S. A.F.H.Q.
18 CRE Works.

Chief Engineer,
3 District CMF,
BASEBALL 84.
CE 6006

12 Sep 45.

1. The undermentioned E & M Plant is located at the Refugee Centre, AVERSA, and is reported on all returns as 'Plant on loan to A.C.'.

	T.R.No.
(a) Pumping set Centrifugal Engine Driven 3000/125	CM/F/6361
(b) Sterilizer, Water Automatic 1,000/8,000 GPH	NA/L/7545
(c) Engine 8 BHP (PETTER)	CM/B/2819

2. The plant was originally installed at the Refugee Centre on an urgent request for assistance by the Camp Commandant, although the Camp is apparently an Allied Commission responsibility while AVERSA is in Peninsular Base Section controlled territory.

3. In pursuing 3 District policy of evacuating all plant as rapidly as possible, particularly in view of the rapidly decreasing E & M personnel necessary for maintenance purposes, the question of the return of this plant has arisen, and the Camp Commandant has been requested to take the matter of replacement plant up with his next higher authority. As he states that there is little likelihood of AC being able to supply the requisite plant, your remarks as to the possibility of 'Handing over' the items to Allied Commission is desired.

(Signed) J.STEVENSON.
Major,
for Brigadier,
Chief Engineer.

4569

Declassified E.O. 12356 Section 3.3/NND No. 785019

F.W. & U

99

1st Ind.

Milan Office Elect.Div. P.W.& U. S/C A.C.

To: Elect.Div. P.W.& U. S/C A.C. APO 394 U.S.Army

21 Sept.1945

1. Portable power plant unit nº 6021704 turned in on 17 Sept.1945 in compliance with basic communication.

24 SEP 1945

C.S. Wilcox

Major C.S. Wilcox
Chief Milan Office

1 Encl.

Tally out (trip)

ALLIED COMMISSION Official Elec. Div. PUBLIC BOARD

RECEIVED
P.W.& U. SECTION
24 SEP 1945 203

4568

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 489081.
Ext. 317.

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/ce

203/PWU.

13 June 45.

SUBJECT: Turn in of Portable Power plant units.

TO : Regional Commissioner, Emilia Region (attention: Regional Engineer).

1. Our records show the following numbered type K - 56 van body W/PE - 84 power units 9/5 A are on your charge:

No. 6021323 — turned in

No. 6021704.

2. Attached are instructions on the turn in of these units.

3. It is recommended that these units be turned in as soon as they are released from their present uses.

4. These units are signal corps items and not ordinance.

5. If any of the units assigned to you are to be retained for a period af time, write us to that effect, giving the approximate date on which the units can be turned in.

By command of Rear Admiral STONE:

W.M. LAPPER,
Lieut-Colonel,
Chief, Elect. Div.

encl.

Entered on Fol. 1025

103 1458

Declassified E.O. 12356 Section 3.3/NND No. 785019

LWL/cc

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

INSTRUCTIONS FOR TURNING IN OF
PORTABLE POWER PLANT UNITS.

Truck mounted type K-55 van body
w/PE - 84 power unit 975 A.

1 - Units are to be turned in at the Radar Warehouse No.6L56 at Leghorn.

2 - The officer in charge at the warehouse is Lt.Tague - phone value 923.

3 - In the event that Lt.Tague is not available his next superior officer is Lt. Ronsome -phone value 510 ,located in the Signal Corps Section at P.B.S. Hqts. Leghorn.

4 - A tally-out sheet form No. Q.M.C. Form 490, sample attached, should be made out in quadruplicate,beforehand, so that they may be signed by the officer receiving the equipment at the 6L56 warehouse.

1 - copy to be left at 6L56 warehouse.

1 - copy to officer on whose charge the equipment is now placed.

2 - copies to Electrical Division Public Works & Utilities S.C., A.C.

5 - The following statement should be made on the tally-out sheets:-

"This equipment originally furnished to Allied Commission under CONZONE MTOUSA RELEASE R - 1863"

6 - Any important parts of trucks or units, which are missing, should be noted on the tally-out sheet.

7 - Make statement on tally-out sheet that the units are "Class C equipment".

8 - It is recommended that the trucks be carefully serviced and greased before being driven to Leghorn.

- - - - - -

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tally No 9

WAR DEPARTMENT
Q. M. C. Form No. 480
(Revised February 8, 1938)

TALLY-OUT

(Packing or Loading List)

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

Serial No. ____
Req. No. ____
No. of sheets ____
Sheet No. ____

Warehouse Radar Warehouse No. 6L56, Leghorn, Italy Date 17 September 1945

Consignee Signal Corps, P.B.S. Carrier ____

Destination Leghorn, Italy B/L No. ____

Routing ____ Car No., Initials, Seals No. ____

Date shipped 15 Sept. 1945 Authority letter 13 June 1945 file 203/PWU PW & U SC, Allied Commission

U. S. NOS. ON PACKAGES	NUMBER AND KIND OF PACKAGES	CONTENTS	GROSS WEIGHT (Pounds) Unit	GROSS WEIGHT (Pounds) Total	CUBIC MEASURE
	1	Portable Power plant unit Serial No. 6021704 K – 56 van body W/PE – 84 power unit 9/5 A #159697 Class C equipment			
		Note: This equipment originally furnished to Allied Commission under COMZONE MTOUSA RELEASE R – 1863			

ADVANCED SECTION P.W. & U. SUB-COMM OFFICIAL DATE A.G.O. Major C.A.S. W. DIVISION

Checker. Packer.

Shipper.

Received the above articles in apparent good order and condition (except as noted) this date 17 Sept 45

B O Teague
(Signature)

1st Lt C E
(Designation)

6456 Radar

3—8454

Declassified E.O. 12356 Section 3.3/NND No. 785019

98

RECEIVED
P.W. & W. S/C A.C.
24 SEP 1945 203

CO. "N", 2675TH REGIMENT
ALLIED COMMISSION (OVERHEAD)
APO 894 U. S. ARMY

450. 21 September 1945

SUBJECT: Turn in of vehicle.

TO : Public Works and Utilities Sub-Commission, Headquarters Allied Commission, APO 394 U.S. Army.

95

1. Reference letter your Hq, file 203/PWU dated 6 Sep 45, subject Portable Generator.

2. Transmitted herewith is copy of Tally In in files of this unit showing subject vehicle returned to Signal Corps.

R. F. Thomas

R. F. THOMAS
Capt. QMC
Commanding.

1 Incl.
Copy T/I dated 10 July 45.

entered on Folio 25
NHK

also 44a

103 Rufus
4664

Declassified E.O. 12356 Section 3.3/NND No. 785019

WAR DEPARTMENT
Q. M. C. Form. No. 390
(Revised February 8, 1938)
Reproduced by Hdqrs A. C. C. Feb. 1944

TALLY-OUT
(Packing or Loading List)

Serial No. Tally No 9
Req. No.
No. of sheets 1
Sheet No. 1

APO 394 U.S. Army
(Station)

Warehouse Co N 2675 Regt, Allied Commission (Cold)
Consignee Depot 6256 (Rodar Warehouse)
Destination Livorno Italy
Routing
Date shipped 10 July 45

Date 10 July 45
Carrier
B/L No.
Car No., Initials,
Seals No.
Authority Ltr PWD/WTS S.C. Hq AFHQ (A3/PWD) 13 June 45

U. S. NOS ON PACKAGES	NUMBER AND KIND OF PACKAGES	CONTENTS	GROSS WEIGHT (Pounds) Unit	GROSS WEIGHT (Pounds) Total	CUBIC MEASURE
	1	Truck, Van Body, K-52, W P/L 84 power unit, 9/5 A U.S.A No 6021244 / / / /

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 489081
Ext. 317

RECEIVED
8 - SEP 1945
203/PWU.

HQ AMG

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/ac

6 Sept. 1945

Subject : Portable Generators

To : REGIONAL COMMISSIONER LOMBARDIA REGION
(through Regional Engineer - Att. 1st Lt.J.J.Lynch)

1. Reference our letter 13 June 45 - file 203/PWU.

2. This Sub-Commission is anxious to close all matters perteining to the portable power plant truck mounted generating units.

3. Please advise us regarding the turn in of unit number 6021362 to the Radar Warehouse 6L56 at Leghorn.

By Command of Rear Admiral STONE,

George Parker
GEORGE F. PARKER
Lt-Colonel, Inf.
Chief, Elec. Div.

Folio 103 Rifer.

4562

Declassified E.O. 12356 Section 3.3/NND No. 785019

WAR DEPARTMENT
Q. M. C. Form. No. 490
(Revised February 8, 1938)
Reproduced by Hdqrs A. C. C. Feb. 1944

TALLY-OUT
(Packing or Loading List)

Serial No. 0 Copy No
Req. No.
No. of sheets 1
Sheet No.

(Station)

Warehouse C R-2675 ½ Regt. AICOM (Ovhd) A.P.O. 394 Date 30 June 1945

Consignee Radar Warehouse No 6252 Carrier

Destination Leghorn B/L No.

Routing Car No., Initials,

Seals No.

Date shipped Authority Hq. A.C. Public Work, Util Sub-Com

U. S. NOS ON PACKAGES	NUMBER AND KIND OF PACKAGES	CONTENTS	GROSS WEIGHT (Pounds) Unit	GROSS WEIGHT (Pounds) Total	CUBIC MEASURE
		K-56 Van body w/PE-84 power unit s/SA USA #600 1362	each 1		
"	"	LAST ITEM			
		This equipment originally furnished to Allied Commission under CONZONE MTOUSA RELEASE R-1863 "C"			
		The above is class "C" Equipment.			4561

A true copy
L.W. Laughlin 1st Lt. C.E.
Checker

Packer

Shipper

Received the above articles in apparent good order and condition (except as noted) this date 30 June 45

B.O. Toque 1st Lt. Sig Co
(Signature)

(Designation)

Hq. ACC - 10-44 - 3000

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C.
16 SEP 1945
203

HEADQUARTERS
PIEMONTE REGION
ALLIED MILITARY GOVERNMENT
APO 394

13 September 1945

96

File No: PR/HQC/130
Subject: Portable Generators
To : Headquarters Allied Commission, Public Works and Utilities Sub-Commission, APO 394, U.S. Army. (Attention: Chief Electrical Division)

93

1. Reference your letter 6 September 1945, file No 203/PWU, Subject: Portable Generators.

2. The enclosed tally sheet, in duplicate, is forwarded in compliance with the mentioned letter.

6021/356

MALCOLM Z. TANNER
1st Lt.
Asst Hq. Comdt

1 Encl.
(Tally sheet in dup.)

entered on
Folio 25
103 Supra

5800 - 8ATNT (20JUL)

WAR DEPARTMENT
Q.M.C. Form No. 490
(Revised February 8, 1938)

Serial No.....
Req.No.....
No.of sheets.....
Sheet No.....

tally No 1

TALLY = OUT

(Packing or Loading List)

.....
(Station)

Warehouse..Radar Warehouse No.6L56
Consignee..Hq. Piemonte Region AMG
Destination...LEGHORN
Routing...Torino LEGHORN.....

Date.....
Carrier.....
B/L/ No.....
Car. No.,Initials,
Seals No.....

Date shipped..... Authority..Hq. AC PW+U Sub Commission. Str. dtd 13 June 1945.

U.S. NOS ON PACKAGES	NUMBER AND KIND OF PACKAGES	CONTENTS	GROSS WEIGHT (POUNDS) Unit	GROSS WEIGHT (POUNDS) Total	Cubic Measure
6021356	1 only	84 Power unit 9/5 A type K-56 Van Body W/PE.			
		"This equipment orginally furnished to Allied Commission under CONZONE MATOUSA RELEASE R. 1863."			

Declassified E.O. 12356 Section 3.3/NND No. 785019

Warehouse.....
Consignee.....Hq. Piemonte Region AMG
Destination.....LEGHORN
Routing.....Torino LEGHORN.....

Carrier.....
B/L/ No.....
Car. No.,Initials,
Seals No.....

Date shipped..... Authority.....Hq. AC PW+U Sub Commission. Ltr. dtd 13 June 1945.

U.S. NOS ON PACKAGES	NUMBER AND KIND OF PACKAGES	CONTENTS	GROSS WEIGHT (POUNDS) Unit	GROSS WEIGHT (POUNDS) Total	Cubic Measure
6021356	1 only	84 Power unit 9/5 A type K-56 Van Body W/PE.			
		"This equipment orginally furnished to Allied Commission under CONZONE MATOUSA RELEASE R. 1863."			

.....Checker.

.....Packer.

.....Shipper.

Received the above articles in apparent good order and condition(exept as noted) this date ...19.-7.-45.....

.....Donald D. Drumm.....1st Lt
(Signature)

.....Water Officer.....6456.....
(Designation)

Hq. PBS 7-44-300,000

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 489081
Ext. 317

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/ac

203/PWU

6 Sept. 1945

Subject : Portable Generators

To : REGIONAL COMMISSIONER LIGURIA REGION
(through Reg. Eng. - att. Capt. R.C.Thomas)

1. Reference our letter 13 June 1945 - file 203/PWU.

2. This Sub-Commission is anxious to close all matters pertaining to the portable power plant truck mounted generating units.

3. Please advise us regarding the turn in of unit number 6021244 to the Radar Warehouse 6L56 at Leghorn.

By Command of Rear Admiral STONE,

GEORGE F. PARKER
Lt-Colonel, Inf.
Chief, Elec. Div.

Declassified E.O. 12356 Section 3.3/NND No. 785019

File

Tel. 489081
Ext. 317

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/ac

94

203/PWU

6 Sept. 1945

Subject : Portable Generators

To : REGIONAL COMMISSIONER LOMBARDIA REGION
(through Regional Engineer - Att. 1st Lt.J.J.Lynch)

73

1. Reference our letter 13 June 45 - file 203/PWU.

2. This Sub-Commission is anxious to close all matters perteining to the portable power plant truck mounted generating units.

3. Please advise us regarding the turn in of unit number 6021362 to the Rader Warehouse 6L56 at Leghorn.

By Command of Rear Admiral STONE,

Folio Sept
97

GEORGE F. PARKER
Lt-Colonel, Inf.
Chief, Elec. Div.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 469081
Ext. 317

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/ao

93

6 Sept. 1945

203/PWU

Subject : Portable Generators

To : REGIONAL COMMISSIONER PIEMONTE REGION
(through Regional Engineer - Att. Maj.P.L.Johnson)

1. Reference our letter 13 June 45 and 29 June 45 file 203/PWU and your letter 15 June 45 PR/ENG/200.

2. This matter was taken up with Col. Birchett on 4 September 1945 who informed us that the unit was sent to Rome in July.

3. This office has not yet received the two copies of the tally sheet covering the turn in of unit number 6021356 to the Rader Warehouse 6L56 at Leghorn.

4. These are needed to complete the property records of this Sub-Commission.

By Command of Rear Admiral STONE,

GEORGE F. PARKER
Lt-Colonel, Inf.
Chief Elec. Div.

4558

Declassified E.O. 12356 Section 3.3/NND No. 785019

4/9/43

Col. Bunker: B

Has the truck mounted portable power unit dessiging & Piemonte been turned in to Leghorn Air Radar warehouse?

Lt Laughlin
mayer

Major Laughlin
truck was turned over to Maj Johnson C.S. Hq Commandant in June I suggested in a memo copy of which was sent this Hq. that truck be turned in.
I was informed by Maj Johnson in July that truck was on its way to Rome.
Best I can do.

4557

Bucketf

Declassified E.O. 12356 Section 3.3/NND No. 785019

TALLY OUT 1008 92

Req No. .....

ALLIED COMMISSION APO 394
Station

Shipped by Public Wks & U. Sub-Commission A.C. APO 394 Date 3 August 1945

Consignee: Radar Warehouse 6L56 Authority PWU/SC letter 203/PWU 13 June '45 AC APO 394

NUMBER AND KIND OF PACKAGES	CONTENTS	UNIT	TOTAL
6022389	Truck K-56 Van Body W/PE 84 power unit 9/5 A		
6021191	" " " " " "	" " "	
6021412	" " " " " "	" " "	
6022020	" " " " " "	" " "	
	Class "C" equipment.		
	This equipment originally furnished to Allied Commission under Con zone MTOUSA release R-1863. last of Con		
	103 Refrs		
			4556

Received the above articles in apparent good order and condition (except as noted) this date 4 Sept. 1945

Shipper

Edgar Milstein
(Signature)

Capt Sig C
Designation

2

Declassified E.O. 12356 Section 3.3/NND No. 785019

WAR DEPARTMENT
Q. M. C. Form. No. 490
(Revised February 8, 1938)
Reproduced by Hdqrs A. C. C. Feb. 1944

TALLY-OUT
(Packing or Loading List)

Allied Commission APO 394
(Station)

Serial No. 0 45 No 3
Req. No. .....
No. of sheets .....
Sheet No. .....

Warehouse Public Works U.S.C. APO 394 H.C.
Consignee Radar Warehouse 6456
Destination .....
Routing .....
Date shipped .....

Date 3 Nov 45
Carrier .....
B/L No. .....
Car No., Initials,
Seals No. .....
Authority POW/SC letter 203 P.W.D 13 June 45 A.C. A.P.O. 394

U. S. NOS ON PACKAGES	NUMBER AND KIND OF PACKAGES	CONTENTS	GROSS WEIGHT (Pounds) Unit	GROSS WEIGHT (Pounds) Total	CUBIC MEASURE
	1	Voltage regulator only for W/PE 84 power unit mounted in unit number 6021785			
		Note:- See tally out sheet dated 20 June 1945 from Radar Warehouse 6456.			
		Class "C" equipment.			
		This equipment originally furnished to Allied Commission under Con Forc M1005 A release R-1863			
		LAST ITEM			

A true copy
L.W. Laughlin
major SC + Util

Folio 91

Checker ..... Packer

Shipper

Received the above articles in apparent good order and condition (except as noted) this date 4 Nov 45

Edgar T. Milstrom
(Signature)
Capt. Sig C.
(Designation)

Hq. ACC - 10-44 - 3000

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel : 489081
Ext : 317

HEADQUARTERS ALLIED COMMISSION VSR/sg
APO 394
Public Works and Utilities Sub-Commission

REFERENCE : 203/PWU 24 July 45
SUBJECT : Availability of Fiat Diesel Driven Electric Generating Equipment.
TO : Italian Ministry of Public Works.

1. Transmitted herewith for your information are copies of letters exchanged between Piemonte Region, and Public Works and Utilities Sub-Commission relative to some marine diesel engines now on hand at the Fiat plant. The correspondence is being sent to you with the thought that you may wish to pass the information on to other government agencies which may be interested.

W.M. LAPPER,
Lieut-Colonel,
Chief, Elec.Div.

c.c. (with enclosures).
Industry Sub-Commission
Navy Sub-Commission.

Declassified E.O. 12356 Section 3.3/NND No. 785019

F16

Tel : 489081
Ext : 317

HEADQUARTERS ALLIED COMMISSION - VSR/sg
APO 394
Public Works and Utilities Sub-Commission

89

REFERENCE : 203/PWU. 24 July 45
SUBJECT : Fiat Diesel Driven Electric Generating Equipment.
TO : REGIONAL COMMISSIONER PIEMONTE REGION
(Att. Regional Commerce Officer).

1. Thank you for your letter dated 18 July 1945, File PR/CO/80 Subject : Fiat Diesel Engines.

2. The Electrical Division Public Works and Utilities Sub-Commission is concerned with rehabilitating large electric generation and transmission facilities and normally has not become interested in the use of fuel consuming electric generating equipment for industrial installations. It is considered that the use of equipment of this nature at a particular plant is a question to be decided by the Sub-Commission interested in that plant.

3. Copies of your letter are being transmitted to the Industry Sub-Commission, the Navy Sub-Commission and to the Italian Ministry of Public Works.

By Command of Rear Admiral STONE.

W.N. LAPPIN,
Lieut-Colonel,
Chief, Elec.Div.
4553

copy to : Commerce Sub-Commission
Regional Engineer, Piemonte Region.

Declassified E.O. 12356 Section 3.3/NND No. 785019

(142)

88

RECEIVED
P.W. & U. S/C A.C.
21 JUL 1945 203

HEADQUARTERS
PIEMONTE REGION
ALLIED MILITARY GOVERNMENT
APO 394

FMR/mm

Office of the Regional Commerce Officer

PR/CO/80 18 July 1945

SUBJECT: FIAT Diesel Engines.

TO : P.W. & U. Sub/Commission, HQ-AC
Attention: Lt.Col. Lapper.

1. FIAT produces large marine Diesel engines and prime movers, which can be used for the generation of power in Southern Italy. The capacity of these motors run from 1200 to 8000 HP. Fiat has now 12 units completed and ready for operation, without generators. The latter can be supplied by Marelli C°, C.G.E.C° , Officine di Savigliano, Brown Boveri, etc.

2. We recommend that your Sub-Commission considers the use of this equipment as early as possible. Details can be furnished as desired. The sale of these engines would assist local commercial and industrial operations considerably.

F.M. REITER
Lt.Colonel CWS
Regional Commerce Officer

Copy to:
Commerce S/C, HQ-AC
Regional Engineer, Piemonte Region.
" FIAT.

6802 - SATET (1000)

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C.
18 JUL 1945 203

HEADQUARTERS EMILIA REGION
ALLIED MILITARY GOVERNMENT
PUBLIC WORKS AND UTILITIES DIVISION
APO 394

81.

REF. : RIX/PU/02.3

17 July 1945

SUBJECT: Power supply to Hemp Spinning Plants

TO : Lt Col Lapper, Rome.

(85)

1. Reference your 203/PWU of 10 July 1945. Subject same as above.

2. Power supply for these mills depends on the rebuild=ing of the Portomaggiore=Forli 50 KV and Cesena=Rimini 15 KV lines. These lines should be completed by 1 Sept 1945.

3. Major Bradbury has been advised of the above. This date is quite satisfactory to him since the hemp crop should be processed beginning 1 Sept.

Roy T. Norman

Roy T. Norman
Major Sig C.
Field Engineer

4551

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/O A.C.
11 JUL 1945 203

HEADQUARTERS EMILIA REGION
ALLIED MILITARY GOVERNMENT
PUBLIC WORKS AND UTILITIES DIVISION
APO 394

REF. : RIX/PU/02.8

7 July 1945

SUBJECT: Portable Power Unit

TO : Chief, Electrical Division
Public Works and Utilities Sub-Commission
Allied Commission

86

1. Enclosed is tally-out for one PE-84 portable power unit turned in by this Headquarters on 6 July 1945.

E.H.Rogers
Capt C.E.
Electrical Officer

(Tool) 25
enclosure
one Folio
1 Ltr 1 copy
11/7/45
103 Pieces
4559

Encl-
2-tally-out

Declassified E.O. 12356 Section 3.3/NND No. 785019

WAR DEPARTMENT
Q.M.C. Form No.490
(Revised February 8,1938

Serial No.....
Req. No.....
No. of sheets.....

Tally No 6

TALLY - OUT

(Packing or Loading List)

.....
(Station)

Warehouse...6.J.5.6..... Date....5.July.1945.....

Consignee...P.R.S..... Carrier.....

Destination..... B/L No.....
Car No.,Initials

Routing..... Seals No.....

Date shipped..... Authority.....

U.S.NOS ON PACKAGES	NUMBER AND KIND OF PACKAGES	CONTENTS	GROSS WEIGHT (POUNDS) Unit	GROSS WEIGHT (POUNDS) Total	Cubic Measure
6021323	1	Truck mounted type K-56 van body W/PE-84 power unit.		4549	
		This equipment originally furnished to ALLIED COMMISSION under CONZONE MTOUSA RELEASE R-1363			

.....
Checker

.....
Packer

.....
Shipper

Received the above articles in apparent good order and condition (except as noted) this date.....

Signature .....

Designation 1st Lt. Sig C Motor Offr

Hq. PRS 7-44-300,000

Declassified E.O. 12356 Section 3.3/NND No. 785019

FILE WLL/sg

Tel : 489081.
Ext : 317.

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

85

10 July 1945

REFERENCE : 203/PWU.
SUBJECT : Power Supply to Hemp Spinning Plants
TO : Major Barry, Florence
Major Norman, Bologna.

83A

1. Inclosed copy of letter relative to supply of power to Hemp spinning plants.

2. Please investigate this matter and advise Major Bradbury estimated date of restoration of power supply.

3. Kindly advise this office of action taken.

W.L. LAUGHLIN.
Major, C.E..

87 signed

Declassified E.O. 12356 Section 3.3/NND No. 785019

ALLIED CONTROL COMMISSION

INTER-[redacted] MEMORANDUM

83

SUBJECT: ELECTRIC GENERATORS

FILE No. HCO/406/D

TO : Public Works &Utilities
att.Lt.Col.W.M.Lapper
Chief Elec.Div.

4 July 1945

79

1. Your 203/PWU dated 25 June refers

2. Herewith attached please find copy of letter RIX/HCO/P-700 dated July 2nd in answer to your said letter.

RECEIVED
P.W. & U. S/C A.C.
5 JUL 1945 203

For W.S.Backhouse
Chief Hemp Division

rel returned on cover, [illegible]

45/7.

Declassified E.O. 12356 Section 3.3/NND No. 785019

ALLIED MILITARY GOVERNMENT

EMILIA REGION

HEMP CONTROL DIVISION

83A

2 July 1945
S.L./R.A.Q.

REFERENCE: RIX/HCO/P-700

Tel. A.M.G. 29

SUBJECT: Eletric Generators.

TO: H.Q. A.C., Industry Sub-Commission. (attn.: Mr. W.S. Backhouse)

1) Reference your HCO/406/D of 28 June 1945 to which was attached Electrical Division letter of 25 June 1945 reference 203/PWU.

2) The six 25 HP Generator sets requested in our previous letter to you were for the two Hemp Spinning plants listed below. Map references are given as requested.

N° of linits	Name of Hemp plant	Location of Hemp plant	Map reference of Hemp plant
3	Società Industria Canapa	- Cesena	- (12) M 6008
3	Ditta Giovanni D'Agostini	- Sant'Arcangelo (Forlì)	- (12) R 7598

3) Both of these plants are equipped to decorticate hemp fibre from the green stalk in addition to the spinning of the fibre.

4) Each are currently ready to operate just as soon as eletric power is made available. Because of the fact that they are the only plants available for the decortication of green hemp produced in Forlì Province they are considered to be highly essential.

5) It is requested that the highest possible priority be assigned for the rehabilitation of distribution lines serving this areas.

For the Regional Commissioner

Referred to Electric Hemp Branch + 7 Belgian + 11 Norman H.J. Person

84 refers

H.B. BRADBURY
MAJOR C.M.P.
HEMP OFFICER

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 489081
Ext. 317

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/ec

82

29 June 1945

Reference : 203/PWU

Subject : Portable Generators

To : REGIONAL COMMISSIONER PIEMONTE REGION
(Att. Regional Engineer)

77

Ref. PR/ENG/200 - 15 June 1945.

1. In reply to the above, instructions on the disposal of these units were covered by our letter of 13 June 1945, file 203/PWU attention Capt. P.L.Johnson.

By Command of Rear Admiral STONE,

W.N. LAPPER
Lieut-Colonel,
Chief Elec. Div.

see folio 77

93 refers

4545

Declassified E.O. 12356 Section 3.3/NND No. 785019

WAR DEPARTMENT
Q.M.C. FORM No.490
(Revised February 8,1938)

Tally No 2

Serial No. .....
Req.No. .....
No.of sheets...1....
Sheet No. ..1

81

RECEIVED
P.W. & U.S/C A.C.
29 JUN 1945 203

TALLY = OUT

(Packing or Loading List)

Hq. AMG 5 A
(Station)

Warehouse AMG 5 Army
Consignee Radar Whse 6L 56
Destination Leghorn
Routing Road
Date shipped 20 June 45 Authority

Date 20 June 45
Carrier Drivers
B/L No. .....
Car No., Initials,
Seals No. .....
PWU S/C letter 203/PWU 13 June

U.S. NOS ON PACKAGES	NUMBER AND KIND OF PACKAGES	CONTENTS	GROSS WEIGHT (POUNDS) Unit	GROSS WEIGHT (POUNDS) Total	Cubic Measure
6021785	Truck K-56 Vanbody	W/PE 84 power unit 9/5 A			
6021854	" " "	" " " " "			
6022382	" " "	" " " " "			

see Folio 91

Class C equipment
This equipment originally furnished to Allied Commission under CONZONE MTOUSA RELEASE R-1863.
Regulator for 6021785 sent to Rome for replacement 25 April 45 is being sent directly by PWU S/C to Leghorn. See copy of letter dated 18 June 205/6 attached.

Folio 69-70 Nafpo 1103 Nafpo

.....Checker

.....Packer

.....Shipper

Received the above articles in apparent good order and condition (except as noted) this date 24 June 45

entered on Folio 25 1/M Ledger 29/6/45

.....B.O.Tagg. 1st Lt. A.C.
(Signature)

.....6456...Radar.....
(Designation)

This copy for A.C. - PWU S/C.

Declassified E.O. 12356 Section 3.3/NND No. 785019

80

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
TOSCANA REGION
PUBLIC WORKS AND UTILITIES DIVISION

RECEIVED
P.W. & U. S/C A.C.
28 JUN 1945 203

R

26 June 1945

SUBJECT : Turn-in of Portable Plant Units.

TO : Allied Commission, Public Works and Utilities Sub-Commission.

1. Herewith is forwarded Tally out, in duplicate, covering two portable generator sets.

2. Items covered are two Type K-56, Van body W/PE - 84 Power units, serial numbers as follows:-

6021444
6022405

3. These units were turned it to Warehouse 6 L 56 Radar, near Leghorn, on 25 June and receipted for by Lt. Tague of that Warehouse. The Allied Commission and the undersigned are now relieved of all responsibility in connection with the two subject units.

4542

Folio 67 103 Dup-d
Refers.
entered on
Folio 25

C. W. Hamilton

C. W. HAMILTON
Major, Corps of Engineers
Regional Electrical Officer

Encls:-
QMC Form No 490
(in duplicate)

AMM 27/6/45

Declassified E.O. 12356 Section 3.3/NND No. 785019

WAR DEPARTMENT
Q.M.C. Form No. 490
(Revised February 5, 1938)

TALLY OUT

(Packing or Loading List)

Tally No 5

Major Cecil W. HAMILTON, C.E.
Public Works and Utilities Div. Tusona Region, A.C.
(Station)

Serial No. .....
Ref. No. .....
No. of sheets .....
Sheet No. .....

Warehouse Radar No 6L56, Leghorn

Date 25 June 1945

Consignee .....

Carrier .....

Destination .....

B/L No. .....
Car No., Initials.
Seals No. .....

Routing ..... Ltr.Hqrs, A.C. A.P.O. 394, 13 June 1945

Date shipped 25 June 1945 Authority File No 203/PWU

U. S. NOS ON PACKAGES	NUMBER AND KIND OF PACKAGES	CONTENTS	GROSS WEIGHT (Pounds) Unit	GROSS WEIGHT (Pounds) Total	CUBIC MEASUREMENT
1	Each	Truck K-56 Van Body W/PE - 84 Power Unit, U.S. Serial No 6021444 Engine No 324946 - Mod. H X C Electrical power UNIT. No Serial 159152 - Model 20 A D 382 W			
1	Each	Truck K-56 Van Body W/PE-84 Power Unit, USA Serial No 6022405 Engine No 329819 Mod. H K C Electrical power UNIT No Serial 161918 Mod.20 A D 382 W			
		"This equipment originally furnished to Allied Commission under CONZONE MTOUSA RELEASE R-1863". "Class C equipment".			

4542

Checker.

Packer.

Shipper.

Received the above articles in apparent good order and condition (except as noted) this date 25 June 45

(Signature)

6L56 Radar
(Designation)

Hq PBS 10-44 - 200,000

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel.Extn.317. HEADQUARTERS ALLIED COMMISSION HJR/sg

INTER OFFICE MEMO.

79

REFERENCE : 203/PWU.

25 June 45

SUBJECT : Electric Generators.

TO : Industry Sub-Commission.

78

1. Ref. your file HCO/406/D dated 23 June 1945.

2. The 3 Phase 25 Kw portable generating units referred to have not been made available to this Sub-Commission . A number of single phase units were assigned to us, but these are now being returned to the issuing unit, inasmuch as there is a sufficient amount of electric power available in the north.

3. If you will advise us of the location, with map reference, of the hemp mills and other war industries which you desire to activate, priorities will be assigned for the rehabilitation of distribution line serving the areas.

W.M. LAPPER,
Lieut-Colonel,
Chief, Elec.Div.

Declassified E.O. 12356 Section 3.3/NND No. 785019

78

HEADQUARTERS ALLIED COMMISSION
APO 394
INDUSTRY SUB-COMMISSION

WSB/gd

23 June 1945

RECEIVED
P.W & U. S/C A.C.
23 JUN 1945 203

Tel. 432

Ref. HCO/406/D

Subject : Electric Generators

To : Public Works & Utilities Sub-Commission.

34

1. Reference your comunication 27 April 1945 Ref. 203/PWB.

2. Attached is copy of letter from Major H.B.Bradbury Senior Industry Officer Emilia Region dated 19 June 1945.

3. Can you supply the information desired and referred to in para 4 and 5 in Major Bradbury's letter attached.

79 refers

W. S. BACKHOUSE

for W. J. MASKREY
Lieut. Colonel,
Acting Director,
Industry Sub-Commission

45 (1)

Declassified E.O. 12356 Section 3.3/NND No. 785019

ALLIED MILITARY GOVERNMENT

EMILIA REGION

HEMP CONTROL DIVISION

19 June 1945
H.B.B./R.A.Q.

REFERENCE: RIX/HCO/P-700

Tel. A. M. G. 29

SUBJECT: Electric Generator.

TO: HQ. AC , Industry S/C.

1) Reference is made to your letters dated 28 April and 18 May 1945 both bearing ref. HCO/406/D.

2) This Office has carefully analysed the requirement of Electric Generators that might be used to power Hemp mills located in areas within this region where power is currently unavailable.

3) The type of generator required is a three phase unit similar to that indicated in Public Works and Utilities S/C inter Office memo. to Industry S/C dated 27 April which accompanied your letter to us of 28 April. These generators are required to provide power for small plants equipped with individual motor drives which render tractor engines and other such temporary forms of power entirely impractical.

4) At the present time it is considered that six 25 kw portable units would meet existing requirements. Their availability would contribute substantially to the production of both hemp fibre and essential war products.

5) It is requested that advice be furnished this Office as to the availability of this equipment together with all other details concerning its transfer to this region.

For the Regional Commissioner.

H.B. BRADBURY
MAJOR C.M.P.
HEMP OFFICER

453

What are localities?

H/R

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C.
21 JUN 1945 203

CRB/NM

77

HEADQUARTERS
PIEMONTE REGION
ALLIED MILITARY GOVERNMENT
APO 394
P.W.&.U. DIVISION

PR/ENG/ 200

15 June 1945

SUBJECT : Portable Generators

TO : P.W.&.U. Sub-Commission AC
(Attention Col. Lapper)

1. The portable electric generator set which was assigned to Piemonte Region is no longer required in this area. It is requested that it be returned to your headquarters for re-issue to areas where it can be used.

2. Arrangements for transfer should be made through Major Johnson HQ Commandant who signed the M.R.

93 refers

C. R. Birchett

C R BIRCHETT
Colonel CE
Regional Engineer
Piemonte & Liguria

21/6/45
Hold for one week until reply received from letter 13/6/45
Folio 70
Mth/mayr

82 refers
Re Folio 70 453

Declassified E.O. 12356 Section 3.3/NND No. 785019

76

HEADQUARTERS
AMG-FIFTH-ARMY
APC 464 U.S. ARMY

DMG/sa.
18 June 1945
205/6

RECEIVED
P.W. & U. S/C A.C.
21 JUN 1945 203

SUBJECT: Mobile Generators.

TO : HQ, Allied Commission - P.W.&U. S/C.

1. Reference paragraph 7, 203/PWU 13 June 1945.

2. Please forward the regulator for unit 6o21785 to the Radar Warehouse No. 6L56 at Leghorn by courier. It is exspected that the three generator units will leave here for Leghorn Weduesday morning and the regulator could not arrive in time for the driver to pick it up.

D.M. GAITHER
Major, C.E.,
Engineer Officer,
AMG Fifth Army

Copy: P.S.O. Leghorn
O/C Redar Warehouse No.6L56 c/o Driver unit 6021785

Folio 81 Repro.

4537

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C.
20 JUN 1945 203

P.W. & U.

75

HEADQUARTERS EMILIA REGION
ALLIED MILITARY GOVERNMENT
PUBLIC WORKS AND UTILITIES DIVISION
APO 394

REF. : RIX/PU/02.IO

16 June 1945

SUBJECT: Portable Power plants

TO : Chief, Electrical Section
Public Works & Utilities Sub-Commission
Allied Commission

13

1. Reference your 203/PW&U, dated 13 June 1945.

2. One of the PE - 84 power units now assigned to us would be helpful to us for about two months time. Therefore, we should like to keep one unit until about 15 Aug 1945.

3. One unit will be turned in as explained in your letter.

For the Regional Commissioner:

W.M. SPANN
Lt Col AUS
Regional Engineer

4535

Declassified E.O. 12356 Section 3.3/NND No. 785019

A-3846

HEADQUARTERS
2675TH REGIMENT
ALLIED COMMISSION (OVERHEAD)
APO 394

RECEIVED
P.W. & U. S/C A.C.
20 JUN 1945 23

HEL/LV/jan

74 R 74

S4-451.1

16 June 1945
S: 20 June 1945

SUBJECT: Turn in of Equipment

TO : Director, Public Works and Utilities Sub-Commission, Allied Commission, APO #394, U.S. Army

(12)

1. Reference your letter file: 203/Pwu dtd 15 June 45, subject vehicle can be picked up at Supergarage upon return of original copy of receipt.

2. With reference to drivers it is suggested that the Headquarters Commandant, Allied Commission, be contacted for further arrangements.

FOR THE COMMANDING OFFICER:

Howard E. Lee

HOWARD E. LEE
Captain, Infantry
Adjutant

copy to: Captain A. M. Mc PHAIL

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 489081.
Ext. 317.

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/ce

73

203/PWU.

13 June 45.

SUBJECT: Turn in of Portable Power plant units.

TO : Regional Commissioner, Emilia Region (attention: Regional Engineer).

1. Our records show the following numbered type K - 56 van body W/PE - 84 power units 9/5 A are on your charge:

No. 6021323

No. 6021704.

2. Attached are instructions on the turn in of these units.

3. It is recommended that these units be turned in as soon as they are released from their present uses.

4. These units are signal corps items and not ordinance.

5. If any of the units assigned to you are to be retained for a period of time, write us to that effect, giving the approximate date on which the units can be turned in.

By command of Rear Admiral STONE:

for W.M. LAPPER,
Lieut-Colonel,
Chief, Elect.Div.

B.F. Laughlin
4533

encl.

Folio {24 "F" 20 refers. 76 refers 75 refers 93 refers 94 refers 95 refers

Declassified E.O. 12356 Section 3.3/NND No. 785019

LWL/ce

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

INSTRUCTIONS FOR TURNING IN OF
PORTABLE POWER PLANT UNITS.

Truck mounted type K-56 van body
w/PE - 84 power unit 9/5 K.

1 - Units are to be turned in at the Radar Warehouse No.6L56 at Leghorn.

2 - The officer in charge at the warehouse is Lt.Tague - phone value 923.

3 - In the event that Lt.Tague is not available his next superior officer is Lt. Ransome -phone value 510 located in the Signal Corps Section at P.B.S. Hqts. Leghorn.

4 - A tally-out sheet form No. Q.M.C. Form 490, sample attached, should be made out in quadruplicate, beforehand, so that they may be signed by the officer receiving the equipment at the 6L56 warehouse.

1 - copy to be left at 6L56 warehouse.

1 - copy to officer on whose charge the equipment is now placed.

2 - copies to Electrical Division Public Works & Utilities S.C., A.C.

5 - The following statement should be made on the tally-out sheets:-

"This equipment originally furnished to Allied Commission under CONZONE MTOUSA RELEASE R - 1863"

6 - Any important parts of trucks or units, which are missing, should be noted on the tally-out sheet.

4532

7 - Make statement on tally-out sheet that the units are "Class C equipment".

8 - It is recommended that the trucks be carefully serviced and greased before being driven to Leghorn.

- - - - - -

Declassified E.O. 12356 Section 3.3/NND No. 785019

WAR DEPARTMENT
Q.M.C. Form No. 49
(Revised February 8,1938

Serial No. .....
Req.No. .....
No.of sheets .....
Sheet No.

TALLY = OUT

(Packing or Loading List)

.....
(Station)

Warehouse ..... Date .....
Consignee ..... Carrier .....
Destination ..... B/L No. .....
Routing ..... Car No.,Initials,
Date shipped ..... Authority ..... Seals No. .....

U.S.NOS ON PACKAGES	NUMBER AND KIND OF PACKAGES	CONTENTS	GROSS WEIGHT (POUNDS) Unit	GROSS WEIGHT (POUNDS) Total	Cubic Measure
					453

.....Checker. .....Packer.
.....Shipper.

Received the above articles in apparent good order and condition (except as noted) this date .....

.....
(Signature)

.....
(Designation)

Hq PBS 7-44-300,000

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel.489081.
Ext.317.

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/ce

203/PWU.

15 June 45.

SUBJECT: Turn in of Portable Power plant units.

TO : R.S.O. 2675 Regt.
(attention: Major Craig)

12

1. Our records show that the following numbered type K-56 van body W/PE - 84 Power unit 9/5 A was assigned to you by Public Works and Utilities Sub-Commission, A.C.:

No. 6022389.

2. Arrangements have been made with the Radar Depot at Leghorn to turn back these units.

3. We have 3 of them stored in the Lancia Garage and we are arranging to have these driven to Leghorn in the very near future.

4. If the above numbered machine on your charge is in a position to be released, it can be taken to Leghorn at the same time as the 3 which this Sub-Commission is turning in.

5. In this connection we would like to arrange for competent drivers to take these trucks to Leghorn and some form of transport to accompany the convoy and bring the drivers back to Rome. We propose to place the convoy in charge of an American Enlisted Man of this Sub-Commission.

6. Instructions on the turning in of these units are enclosed.

To refers

W.M. LAPPER,
Lieut-Colonel,
Chief, Elec.Div.

4539

C.C.to: Capt A.M. Mc Phail,
6th Floor → Louis Viarengo, C.W.O.
Room 12 Lt.Col.Renton.

Folio 24 "H"

Refers

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel . 489081.
Extn. 317.

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/mg

71

13 June 45

203/PWU.

SUBJECT : Turn in of Portable Power plant units.

TO : Regional Commissioner, Liguria Region through Regional Engineer (att: Capt.R.C.THOMAS).

1. Our records show the following numbered type K-56 van body W/PE - 84 power unit 9/5 A is on your charge :

No. 6021244

2. Attached are instructions on the turn in of this unit.

3. It is recommended that this unit be turned in as soon as it is released from its present uses.

4. This unit is signal corps item and not ordinance.

5. If this unit is to be retained for a period of time, write us to that effect, giving the approximate date on which the unit can be turned in.

By Command of Rear Admiral STONE :

Folio 24 "A"
Repeo

for W.M. LAPPER,
Lieut-Colonel,
Chief, Elec.Div.

encl.

Declassified E.O. 12356 Section 3.3/NND No. 785019

LWL/cc

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

INSTRUCTIONS FOR TURNING IN OF
PORTABLE POWER PLANT UNITS.

Truck mounted type K-56 van body
w/PE - 84 power unit 9/5 A.

1 - Units are to be turned in at the Radar Warehouse No.6L56 at Leghorn.

2 - The officer in charge at the warehouse is Lt.Tague - phone value 923.

3 - In the event that Lt.Tague is not available his next superior officer is Lt. Ronsome -phone value 510 located in the Signal Corps Section at P.B.S. Hqts. Leghorn.

4 - A tally-out sheet form No. Q.M.C. Form 490, sample attached, should be made out in quadruplicate, beforehand, so that they may be signed by the officer receiving the equipment at the 6L56 warehouse.

1 - copy to be left at 6L56 warehouse.

1 - copy to officer on whose charge the equipment is now placed.

2 - copies to Electrical Division Public Works & Utilities S.C., A.C.

5 - The following statement should be made on the tally-out sheets:-

"This equipment originally furnished to Allied Commission under CONZONE MTOUSA RELEASE R - 1863"

6 - Any important parts of trucks or units, which are missing, should be noted on the tally-out sheet.

7 - Make statement on tally-out sheet that the units are "Class C equipment". 4523

8 - It is recommended that the trucks be carefully serviced and greased before being driven to Leghorn.

- - - - - -

Declassified E.O. 12356 Section 3.3/NND No. 785019

WAR DEPARTMENT
Q.M.C. Form No. 490
(Revised February 8, 1938

Serial No. .....
Req. No. .....
No. of sheets .....
Sheet No.

TALLY = OUT

(Packing or Loading List)

.....
(Station)

Warehouse .....
Consignee .....
Destination .....
Routing .....
Date shipped ..... Authority .....

Date .....
Carrier .....
B/L No. .....
Car No., Initials,
Seals No. .....

U.S. NOS ON PACKAGES	NUMBER AND KIND OF PACKAGES	CONTENTS	GROSS WEIGHT (POUNDS) Unit	GROSS WEIGHT (POUNDS) Total	Cubic Measure

.....Checker.

.....Packer.
.....Shipper.

Received the above articles in apparent good order and condition (except as noted) this date .....

.....
(Signature)

.....
(Designation)

Hq PBS 7-44-300,000

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 489081.
Extn. 317.

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/sg

70

203/PWU.

13 June 45

SUBJECT : Turn in of Portable Power plant units.

TO : Regional Commissioner, Piemonte Region through Regional Engineer (att:P.L.JOHNSON).

1. Our records show the following numbered type K-56 van body W/PE - 84 power unit 9/5 A is on your charge :

No. 6021356

2. Attached are instructions on the turn in of this unit.

3. It is recommended that this unit be turned in as soon as it is released from its present uses.

4. This unit is signal corps item and not ordinance.

5. If this unit is to be retained for a period of time, write us to that effect, giving the approximate date on which the unit can be turned in.

By Command of Rear Admiral STONE :

for W.M. LAFFER,
Lieut-Colonel,
Chief, Elec.Div.

encl.

Folio 24 C
Refers also Folio 774528

Declassified E.O. 12356 Section 3.3/NND No. 785019

file copy

Tel. 489081
Ext. 317.

LWL/oe

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

203/PWU.

13 June 45.

SUBJECT: Turn in of Portable Power Plants units.

69

TO : Engineers' Section 5th Army AMG.
(att: Major D. Gaither)

1. Ref. cable 5th May cite 151 and 185. Our cable 8853 dated 31st May 45. re Ltr 25-April 45 - 205/6

2. Our records show the following numbered type K-56 van body W/PE - 84 power units 9/5 A on your charge:

No. 6021785
No. 6021854
No. 6022382.

3. Attached are instructions on the turn in of these units.

4. It is recommended that these units be turned in as soon as they are released from their present uses.

5. These units are signal corps items and not ordinance.

6. If any of the units assigned to you are to be retained for a period of time, write us to that effect, giving the approximate date on which the units can be turned in.

7. We still have the regulator for the generator on unit No. 6021785 at this Headquarters. We can either return this to you so that it may be replaced on the unit to which it belongs, or we can have it sent by courier to the Supply Officer for Leghorn Commune where it can be picked up by your driver before the unit is turned in. - This with ref. to your letter of 25th April 45 - 205/6.

By command of Rear Admiral STONE:

81 Refers 452.

Folio - 47-50-61-62

for W.H. LAPPER,
Lieut-Colonel,
Chief, Elec. Div.

encl.

Refers "B" above 24

76 Refers

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel.489081.
Ext.317.

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission.

LWL/ce

68

13 June 45.

203/PWU.

SUBJECT: Turn in of Portable Power plant units.

TO : Regional Commissioner, Lombardia Region
(through Regional Engineer - att: 1st Lt.J.J.Lynch.)

1. Our records show the following numbered type K-56 van body W/PE - 84 power unit 9/5 A is on your charge:

No. 6021362.

2. Attached are instructions on the turn in of this unit.

3. It is recommended that this unit be turned in as soon as it is released from its present uses.

4. This unit is signal corps item and not ordinance.

5. If this unit is to be retained for a period of time, write us to that effect, giving the approximate date on which the unit can be turned in.

By command of Rear Admiral STONE:

for W.M. LAPPER,
Lieut-Colonel,
Chief, Elec.Div.

encl.

Folio 24 "D"

4524

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel.489081
Ext.317.

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/ae

67

13 June 45.

203/PWU.

SUBJECT: Turn in of Portable Power plant units.

TO : Regional Commissioner, Toscana Region,
through Regional Engineer (att:Major C.W.Hamilton)

1. Our records show the following numbered type K-56 van body W/PE - 84 power units 9/5 A are on your charge:

No.6021444.
No.6022405.

2. Attached are instructions on the turn in of these units.

3. It is recommended that these units be turned in as soon as they are released from their present uses.

4. These units are signal corps items and not ordinance.

5. If any of the units assigned to you are to be retained for a period of time, write us to that effect, giving the approximate date on which the units can be turned in.

By command of Rear Admiral STONE:

W.M. LAPPER,
Lieut-Colonel,
Chief, Elec.Div.

encl.

Folio 60 refers

Folio 80 refers

4523

Declassified E.O. 12356 Section 3.3/NND No. 785019

WAR DEPARTMENT
Q. M. C. Form No. 490
(Revised February 8, 1938)

TALLY-OUT IN

(Packing or Loading List)

CESENA
(Station)

Serial No.
Req. No.
No. of sheets 1
Sheet No. 1

66

Warehouse Company "M" 2675th Regt. AC., (Ovhd) Date 30 April 1945

Consignee Public Work Sub. Commission, AC. Carrier

Destination B/L No.

Routing Car No., Initials, Seals No.

Date shipped Authority

U. S. NOS. ON PACKAGES	NUMBER AND KIND OF PACKAGES	CONTENTS	GROSS WEIGHT (Pounds) UNIT	GROSS WEIGHT (Pounds) TOTAL	CUBIC MEASURE
	2	Truck K-56 Van Body W/PE-84 Power Unit USA Serial No. 6021191 6022020	Ea.		
		Last Item			

For Your Files

Fold 3 3

Fold papers

Checker.

Packer.

Shipper.

Received the above articles in apparent good order and condition (except as noted) this date

(Signature)

(Designation)

Hq PBS 8-44 100,000

1136

Declassified E.O. 12356 Section 3.3/NND No. 785019

CONFIDENTIAL

Ext. 317

HEADQUARTERS ALLIED COMMISSION

65

LWL/ac

INTER OFFICE MEMO

Reference : 203/PWU
Subject : Electrical Power Generating Equipment , MGS-216-ENG

5 May 1945

To : REQUISTION BRANCH - ECONOMIC SECTION
From : Public Works and Utilities

63

Reference E-1, G-5 A.F.H.Q., letter 1 June 1945.

1. Information was received by telephone from G-5 AFHQ on 4 June 1945 that instructions had been received from OAC, directing that the items received on MGS-216-ENG be returned.

2. Further that a letter directed to Transportation S/C was in the mail, giving them instructions as to proper disposition of the items received.

3. No action therefore is being taken on the matter by this office.

for W.M. LAPPER
Lieut-Colonel,
Chief Elec. Div

4523

cc : TRANSPORTATION S/C

CONFIDENTIAL

Declassified E.O. 12356 Section 3.3/NND No. 785019

. 489081
.t. 317

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/ec

6 Br

31 May 1945

Reference : 203/PWU
Subject : M/R Portable Generator
To : AMG 5TH ARMY (Att. Maj. D.M.Gaither - Eng.Officer)

Reference 205/6 (37) dated 28 April 1945.

1. As requested enclosed are the four copies of M/R dated 21 April 1945 signed by Capt. Keeney for portable power plant unit n. 6022405.

By Command of Rear Admiral STONE,

W.M. LAPPER
Lieut-Colonel,
Chief Elec. Div.

cc : REGIONAL COMMISSIONER TOSCANA REGION
(through Reg.Eng. - Att. Reg.Elec.Off.)

4 enclosures

30 Nov
60 Nov

Declassified E.O. 12356 Section 3.3/NND No. 785019

CONFIDENTIAL

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

Ref. E-1

1 June 1945

SUBJECT: Electrical Power Generating Equipment, MGS-216-ENG

TO : Headquarters, Allied Commission, APO 394
(Attn: Public Works & Utilities Sub-Commission)

1. Some items of requisition MGS-216-ENG were already loaded and enroute here when the cancellation of MGS-216-ENG was effected. It is understood that these supplies are now stored in an A.C. warehouse in Naples. MITE-ENG-IV-TOG-SHT-U451 was the markings requested in the call forward. Signal FX 45276 of 17 March 1945 refers.

2. CCAC has requested that it be advised of the disposition of these supplies.

3. No details regarding this equipment are available here and it is desired that this Section be advised of items received. This information should be available from packings lists or from records carried by Mr. Di Ioro who accompanied the shipment.

4. Please advise promptly your recommendations regarding the disposition of this equipment.

For the Assistant Chief of Staff, G-5:

D. E. LATHROPE
Captain, C.A.C.
Economics & Supply Division

Copy to: AMG - Naples Commune.
Attn: Capt. Ramsay - A.C. Port Representative
Mr. Townsend - P.W.U.

CONFIDENTIAL

Declassified E.O. 12356 Section 3.3/NND No. 785019

62

AMC FIVEARMY

8853 31 MAY 45 ROUTINE

(61)

RESTRICTED FD

SUBJECT IS MOBILE GENERATOR FD

PARAH TO AMC FIVEARMY FOR HUMR CITE TWO EIGHT SEVEN FROM HQ ALCOM CITE

ACPWU PARAH

PARA ONE FD REF YOUR NINE THREE EIGHT SEVEN OF TWENTY NINE MAY FD

PARA TWO FD ARRANGEMENTS NOW BEING NEGOTIATED TO TURN IN TWENTY

FIVE KILOWATT PORTABLE UNITS LEGIONN FD

PARA THREE FD FULL INSTRUCTIONS WILL BE FURNISHED WITHIN NEXT TWO WEEKS

Folio 69 refers

4519

PUBLIC WORKS

317

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & H. S/C A.C.
30 MAY 1945 203

INCOMING MESSAGE

HEADQUARTERS ALLIED COMMISSION

61

P. Works

Originator's Reference: 9387

Date/Time of Origin: MAY 291931B

Message Centre No: E/2883

Date Time Rec'd: MAY 300830B

Precedence: ROUTINE

FROM: ANG 5 ARMY FOR HUME CITE OUR 287

TO : AICOM PUBLIC WORKS & UTILITIES SC

RESTRICTED

RESTRICTED

Reference our 151 (49) and 185 (50) your 7120. Can you now advise disposition desired of 325 kilowatt mobile generators. (45)

62 refers

Fstle 69 refers

Dist

Action - P Works SC
Info - Chief Commissioner
Econ Sec
File 2
Float

HEADQUARTERS
30 MAY 1945
A.A.C.

ACTION

RESTRICTED

4513

Declassified E.O. 12356 Section 3.3/NND No. 785019

O.P.W.&U. S/C
60

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
TOSCANA REGION
PUBLIC WORKS & UTILITIES DIVISION

RECEIVED
P.W. & U. S/C A.C.
29 MAY 1945 603

R.VIII/100/PWV/19

26 May 1945

Subject:- Receipts for Portable Generators.

To:- Electric Division, P.W. & U. S/C
Allied Commission, ROMA.

1. Herewith enclosed are Memorandum Receipts covering two Van Type Body electric generators which have been delivered to this region.

2. These receipts replace those which had been signed by Lt.Col. P.S.L. LEE, a British officer, whose signature was not acceptable due to that reason.

3. It is requested that the copies for Major GAITHER be forwarded to him as his present location is unknown in this office.

HEADQUARTERS
A. C.

For the Regional Engineer,

67 refers

C. W. HAMILTON
Major, Corps of Engineers
Regional Electrical Officer

Encls:-
2-Recpts in Quint.

451 1516.

Declassified E.O. 12356 Section 3.3/NND No. 785019

MEMORANDUM RECEIPT

DATE ....25...May.1945....

CONSIGNOR Elect..Div..P.W..&.U..S/C.-.Allied Commission.

CONSIGNEE CECIL W..HAMILTON..Major,..C.E..Regional Electrical Officer.

DEBITED	UNIT	ARTICLE
1	ea.	Truck K-56 Van Body W/PE-84 Power Unit USA Serial Nº 6022405 Engine Nº 329819 Mod. HXC Electrical power Unit Nº serial 161918 - Model 20 A D 382 W

"It is understood by signing this M/R, I am personally responsible for the maintenance and condition of the above vehicles. I will submit all necessary reports called for by the Company Commander. I will not release the above vehicles to anyone without first clearing wiht the Company Commander and that if I fail in any way to safe-guard the above U.S. Government property I am subject to disciplinary action as well as being financially responsible. I certify I have read and understand the above. Responsibility for government property lies with officer signing therefore. Theft or loss of property must be reported to the above headquarters withing 24 hours of said loss or theft. Disciplinary action may be taken for failure to give proper notice."

Received the above in apparent good order.

Cecil W. Hamilton

C. W. HAMILTON O 240737
Major, Corps of Engineers
Regional Electrical Officer.

4516

Declassified E.O. 12356 Section 3.3/NND No. 785019

MEMORANDUM RECEIPT

DATE ...25.May.1945.....

CONSIGNOR Major.D.M..GAITHER,.Engr.Officer,.AMC.Fifth.Army.

CONSIGNEE CECIL.W..HAMILTON,.Major,.C.E..Regional.Elec.Officer.

DEBITED	UNIT	ARTICLE
1	ea.	Truck K-56 Van Body W/PE - 84 Power Unit U.S. Serial N° 6021444 Engine N° 324946 - mod. H X C Electrical power UNIT. N° serial 159152 - Model 20 A D 382 W

"It is understood by signing this M/R, I am personally responsible for the maintenance and condition of the above vehicles. I will subuit all necessary reports called for by the Company Commander. I will not release the above vehicles to anyone without first clearing wiht the Company Commander and that if I fail in any way to safe-guard the above U.S. Government property I am subject to disciplinary action as well as being financially responsible. I certify I have read and understand the above. Responsibility for government property lies with officer signing therefore. Theft or loss of property must be reported to the above headquarters withing 24 hours of said loss or theft. Disciplinary action may be taken for failure to give proper notice."

4515

Received the above in apparent good order.

Cecil W. Hamilton

0240737

C. W. HAMILTON
Major, Corps of Engineers
Regional Electrical Officer.

Declassified E.O. 12356 Section 3.3/NND No. 785019

253 59

AFHQ CITE FHGEG

8213 22 MAY 45 PRIORITY

RESTRICTED PD
SUBJECT IS REQUISITIONS MIKE GEORGE SUGAR TWO ONE SIX EASY NAN GEORGE AND MIKE GEORGE SUGAR TWO SIX ZERO EASY NAN GEORGE PD
PAREN TO AFHQ CITE FOX HOW GEORGE EASY GEORGE FROM HQ ALCOM CITE ACPWU PAREN
PARA ONE PD REQUESTED THAT THESE REQUISITIONS BE CANCELLED IN TOTAL PD
PARA TWO PD ALSO CANCEL TWO HUNDRED TRAILER PUMPS SUGGESTED IN LIEU OF PUMPING EQUIPMENT ON ORIGINAL MIKE GEORGE SUGAR TWO SIX ZERO EASY NAN GEORGE PD
PARA THREE PD CONFIRMATION TO THIS HEADQUARTERS OF THESE CANCELLATIONS IN TOTAL REQUESTED

451

Distribution by hand :

Req. Div.
A/President
Chief Commissioner
Econ.Sec.

PUBLIC WORKS

317

Declassified E.O. 12356 Section 3.3/NND No. 785019

CONFIDENTIAL

RECEIVED
P.W.B. U.S/C A.C.
24 MAY 1945 203

FX 80769
MAY 2318480

E/2086
MAY 2408300
ROUTINE

AFHQ SIGNED ALEXANDER CITE ECEG

INFO ALCOM AND PEMBARK

CONFIDENTIAL.

This is LAC 1169.

Request requisition MGS-216-ENG be cancelled. Reference CAL 1353 and our FX 76082.

2. Request disposition CARLSON, Civilian Engineer, now home and DIICRO enroute. CARLSON states his firm wishes him proceed HOLLAND.

NEW SUBJECT

Refer LAC 1146/ pumping units for NORTHERN ITALY not now required.

4513

DIST

INFO-ACTION: Req Div
INFO: A/President
Chief Commissioner
Econ
FW & U
File
Float

HEADQUARTERS
24 MAY 1945
A.

CONFIDENTIAL

Declassified E.O. 12356 Section 3.3/NND No. 785019

INCOMING MESSAGE

HEADQUARTERS ALLIED COMMISSION

Originator's Reference: 1284

Date/Time of Origin: MAY 16NFT

Message Centre No: E/1698

Date Time Rec'd: MAY 211025B

Precedence: ROUTINE

FROM: LOMBARDIA REGION FOR BOLETTI SIGNED LAPPER

TO : ALLIED COMMISSION HEADQUARTERS ROME (ATT MAJ LAUGHLIN ACFWU)

RESTRICTED

RESTRICTED.

1. Cable sent to CE AFHQ by me today to cancel all portable electric Plant including floating plank requisitioned by ALCOM.

2. Please arrange for Mr CARLSON to return to UNITED STATES.

ACTION

RECEIVED
N. & U. S/C A.C.
21 MAY 1945 203

HEADQUARTERS
21 MAY 1945
A.F.H.Q.

DIST

ACTION: FW & U S/C
INFO: A/President
Chief Commissioner
Econ Sec
File 2
Float

4519

RESTRICTED

Declassified E.O. 12356 Section 3.3/NND No. 785019

FILED 203

56

AFHQ G-5 ENVD AMG CHIEF CRYPTER

T756 16 MAY 43 EXECTEL

53

CONFIDENTIAL FD

SUBJECT TO RETRIEVETION FD

PARA TO AFHQ SHORE FIVE NOT APPD FOR CHIEF CRYPTER FROM PL ALGIE

CITE ALGIO PARA

PARA ONE FD EXTENSION FOUR FOX SEVEN SIX ZERO EIGHT ONE OF MAY

FIFTEEN FD

PARA TWO FD SUNTING OUR CABLE SIX EIGHT FIVER ONE OF FOUR MAY INCLUDES

ALL PARTICULARS OBTAINED BY MEANS SECRET SUGAR FD ONE SIX NOT MAY SHORE

PENDING RECEIPT OF PERSONAL IDENTIFICATION POWER SITUATION NORTH ITALY

MAS-216 LMA

4511

Distribution by hand:

A/President
Chief Commissioner
Legislation Division
Dep. Vice Pres. Econ. Mnz. (2)

DECLASSIFIED

339

Declassified E.O. 12356 Section 3.3/NND No. 785019

CONFIDENTIAL OPW+U

380 55

RECEIVED
P.W. & U. S/C A.C.
17 MAY 1945 203

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

Ref. E-1

16 May 1945

SUBJECT: Electric Generators

TO : Headquarters, Allied Commission, APO 394
(Attn: Industry Sub-Commission)

47

Reference letter E-1 of 20 April.

1. This section has been advised by the Public Works and Utilities Sub-Commission that three type W/PE/84 power units mounted on trucks are no longer required by that section.

2. In view of the need for generators as outlined in your various letters to this section, it is suggested that these generators might be utilized by your section.

3. It is understood that the PE/84 generators are single phase type but there is a possibility that they can be so some use to your section.

For the Assistant Chief of Staff, G-5:

HEADQUARTERS
17 MAY 1945

4513

R. C. CARSON,
Major, G.S.C.,
Economics & Supply

Copy to:

Public Works & Utilities Sub-Commission, AC

CONFIDENTIAL

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C.
16 MAY 1945 203

RESTRICTED

PW 54

FX 76082
May 151905

FOR INFORMATION ONLY

E/931
May 160930
PRIORITY

AFHQ SIGNAL ALEXANDER CITE 76082

PEMBARK NEW YORK INFO TO AICOM ROME, PENBARKLEGROUP, PENSOUTH NAPLES

RESTRICTED.

Electrical power generating plant. Signal FX 45276 of 17 March 1945 refers.

Do not ship items on AC requisition MCS-216-ENG, MTOUSA Requisition ENG IV - TOC-0451 pending further advice.

450R

53 suffers 58 refers

DISTRIBUTION:
Info-Actions: Req Div 2
Infos: A/President
Chief Commission
Regn Dir ESOR
Econ Sec 2
P.Works S/C
File 2
Plant

RESTRICTED

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C.
16 MAY 1945 203

CONFIDENTIAL

P W & U

F 76081
MAY 151909B

S/279
MAY 152025B
PRIORITY

AFHQ SIGNED SACMED CITE PWOEG FOR PWU
AFCOM ROME

URGENT 53

CONFIDENTIAL

Electric power generating equipment. Requisition PWU MGS-216-ENG. Refer AFCOM signals 699 PWU of 28 January and 6871 of 4 May.

CCAC has requested urgent advice on whether 30,000 KW floating power plant and 22 DIESEL driven 416 KW 50 cycle generators are needed. Advise soonest. (42)

Presume signal 6871 includes 6,000 KW called forward by FX 45276 of 17 March repeated to AFCOM. Advise immediately. (17)

Dist

PWU (2)

Action - ~~Econ rec~~ 3
Info - A/President
Chief Comm
P Works
Requisition Div
File 2
Front
LE SBE

HEADQUARTERS
16 MAY 1945
A. C.

56 copies
54 Paper
54 Paper
5-8

CONFIDENTIAL

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 317

HEADQUARTERS ALLIED COMMISSION

INTER OFFICE MEMO

52 LWL/ao

Reference : 203/PWU
Subject : Portable Electric Plants PBS
To : INDUSTRY SUB-COMMISSION
From : Public Works and Utilities S/C

12 May 1945

43

1. Reference ltr AC/5628/IND dated 7 May 1945. We have been informed by PBS that it will be necessary to bid for the 400 KW Diesel units through AFHQ on a competitive basis.

2. Since this is an Industry S/C requirement the bid should originate from your Sub-Commission.

3. In view of the competitive situation justification will probably be required.

for W.M. LAPPER
Lieut-Colonel,
Chief Elec. Div.

4303

See folio 48

Declassified E.O. 12356 Section 3.3/NND No. 785019

IWL/ac

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

Tel. 489081
Ext. 317

57

12 May 1945

Reference : 203/PWU

Subject : Portable generating sets

To : AFHQ - G-5

Reference E-1.

1. On the 22 January 1945 delivery was made to this Headquarters of fifteen portable generators, type W/PE/84 power units mounted on trucks type K-56 Van Body.

2. We desire to return three of these units which are not now being used.

3. Please inform us the procedure and point were these machines should be delivered.

For the Chief Commissioner

W.M. LAPPER
Lieut-Colonel,
Chief Elec. Div.

38 Refers

Declassified E.O. 12356 Section 3.3/NND No. 785019

INCOMING MESSAGE

HEADQUARTERS ALLIED COMMISSION

Originator's Reference: 4057
Date Time of Origin: MAY 13/2130B

Message Centre No: E/687
Date Time Rec'd: MAY 14/0905B
Precedence: ROUTINE

FROM: AMG FIVE ARMY FOR HUME CITE OUR 185

TO : HQ ALLIED COMMISSION

50

RESTRICTED

RESTRICTED.

Subject is mobile generating plant. Reference your 7120 (45) Confirm our 151 (47) refers to 3 units of 25 kilowatts each

61 refers

RECEIVED
P.W. & U. S/C A.C.
14 MAY 1945 203

HEADQUARTERS
14 MAY 1945

DIST

ACTION : PW & U SC

INFO : A/PRESIDENT
CHIEF COMMISSIONER
ECONSCO
FILE (2)
FLOAT

4506

ACTION for 69 refers

RESTRICTED

Declassified E.O. 12356 Section 3.3/NND No. 785019

INCOMING MESSAGE

HEADQUARTERS ALLIED COMMISSION

PWD 49

Originator's Reference: 2623

Date/Time of Origin: MAY 051330B

Message Centre No: D/9804

Date Time Rec'd: MAY 060930B

Precedence: ROUTINE

FROM: AMG 5 ARMY FOR HUME CITE 151

TO : ELECTRICAL SUBDIVISION ACFWU

RECEIVED
P.W. & U. S/C A.C.
6 MAY 1945 203

EJB

RESTRICTED

RESTRICTED.

Information available indicates the 325 KW mobile generating plants remaining with this Headquarters will not be required further. Advise disposition desire.

ACTION

61 refers

50 refers

DIST

ACTION: Public Works
INFO: A/President
Chief Commisioner
Econ
File 2
Float

File 69 refers

HEADQUARTERS
4505 MAY 1945
A. C

Col Bonfils: Check that above refers three portable units Portable Five KW capacity each.

Lt G

RESTRICTED

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C.
9 MAY 1945 203

Tel. 391

AMW/as 48

Ref. AC/5628/IND

7 May 45

SUBJECT : Portable Electric Plants.

TO : Public Works & Utilities Sub-Commission.

FROM : Industry Sub-Commission. (43)

1. Further to your 203/P.W.U. dated 5 May 1945 and confirming conversation this morning Lt. Colonel W.M. Lapper - Major A. Macnaughton-Wright.

2. This Sub-Commission has many industrial plants which at the present time are unable to operate for want of Electric Power.

3. We would appreciate if these 400 KW Diesels could be earmarked for this purpose.

W.J. MASKREY
Lt. Colonel,
Acting Director,
Industry Sub-Commission.

4504

Copy to:
Economic Section.

refers 52

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel.489081
Ext.317

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/ce

47

203/PWU.

5 May 45.

SUBJECT: Portable Power Plants.

TO : Regional Commissioner, Toscana Region
(att: Regional Engineer)

1. W/PE-84-56. Per conversation held in our office we are returning herewith the Memorandum Receipts for the following 2 units:-

N° 6021444
N° 6022405.

2. Since this is W/D. equipment it will be necessary to have a MR. signed by an American officer in your organization.

3. Will you, therefore, please have new MRs. prepared and signed sending two copies to Major Gaither and two to this office.

By Command of Rear Admiral STONE:

W.M. LAPPER, 4503
Lieut-Colonel,
Chief, Elec.Div.

enclosures:

3 copies of MR. 24 Apr.- Unit N° 6022405
2 copies of MR. 24 Apr.- Unit N° 6021444.

37 Supr
10

c.c. to Major Gaither,C.E.,
Engineer Officer,
AMG Fifth Army.

Declassified E.O. 12356 Section 3.3/NND No. 785019

INCOMING MESSAGE

HEADQUARTERS ALLIED COMMISSION

RECEIVED
P.W. & U. S/C A.C.
6 MAY 1945
203

Originator's Reference FX 70932
Date/Time of Origin: MAY 151437B

Message Centre No: P/9759
Date Time Rec'd: MAY 051930B
Precedence: ROUTINE

FROM: AFHQ SIGNED ALEXANDER CTTE THGEG

TO : HQ ALCOM ROME

CONFIDENTIAL

This is LAC 1146.

Reur CAL 1327.

Pumping units Northern ITALY. Withhold procurement 200 trailer pumps with special ejectors pending investigation of North ITALY.

File this
Tel Col Butterworth G-5
He will send further cable
re cancel this.

Dist

Action - P W & U SC
Info - A/President
Chief Commissioner
Econ Sec
Req Div
File 2
Float

ACTION

58 subs

HEADQUARTERS
6 MAY 1945
A. C.

CONFIDENTIAL

Declassified E.O. 12356 Section 3.3/NND No. 785019

File 203

45

AMS 5TH ARMY

7120 7 MAY 45 PRIORITY

RESTRICTED FD

SUBJECT IS MOBILE GENERATING PLANTS FD

PAREN TO AMS FIVEARAY FOR EDDY GEN FIVE GEN FROM HQ ALCOA GEN ADVED PAREN

PARA ONE FD REFERENCE YOUR TWO SIX TWO THREE OF SIX MAY FD

PARA TWO FD PLEASE CONFIRM THIS REPORT TO THEIR UNITS OF TWENTY FIVE KILOWATTS EACH

61 ufers

50 ufers

PUBLIC WORKS

317

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel.Ext.317. HEADQUARTERS ALLIED COMMISSION

Inter Office Memo.

WML/ce

44

5 May 45.

REFERENCE: 203/PWU.
SUBJECT : Erection of Power Plant.
TO : Chief Commissioner A.C.
FROM : P.Wks. & U. S/C.

1. Ref. note from Major J.A. Quayle dated 4 May requesting that a short report be sent to you concerning the supplemental agreement and contract under which Mr. Bror G. Carlson has arrived as Erectional Supervisor.

2. Col. Jenny and I visited U.S. in October last and discussed possibility of portable electric plants for this Theater. It was decided to divert plant being manufactured in U.S. for Chinese Government and the contract agreement stated above refers to a 6,000 KW. portable steam generating plant which was part of this equipment.

3. It was our intention to leave the question of location quite flexible and to fix the plant where most needed at the time of arrival.

4. We are pleased to say that the availability of electric power in Italy to-day is such that a cable has been sent to U.S. requesting them to withold shipment of all electrical plant destined for this theater pending investigation in North Italy.

5. Preliminary reports indicate that the plant will not now be required and will, therefore, revert to the Chinese Theater where, it is understood, it is urgently needed. 4507

6. With regard to Mr. Bror G. Carlson he has been asked to stand by for the present until we have completed our investigations in Northern Italy.

W.M. LAPPER,
Lieut-Colonel,
Chief, Elec.Div.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel.Ext.317 HEADQUARTERS ALLIED COMMISSION WMI/oe

Inter Office Memo.

REFERENCE: 203/PWU.
SUBJECT : Portable Electric Plants. 5 May 45.
TO : Industry Sub-Commission.
FROM : P.Wks. & U. S/C.

43

1. This is to inform you that there is a possibility that the 18 - 400 KW. Diesels brought to this Theatre by P.B.S. may now be available for civilian use in Italy.

2. Could you please let me have an early reply as to whether you have any industrial plants who are waiting for electric power and for which these plants may be used.

48 refers

W.M. LAPPER,
Lieut-Colonel,
Chief, Elec.Div.

4500

Declassified E.O. 12356 Section 3.3/NND No. 785019

203

PWU file

42

AFHQ G5 FWTD AFHQ CHIEF ENGINEER

6871

4 May
XXXXX 1945

ROUTINE

CONFIDENTIAL FD

SUBJECT IS REQUISITION FD

PAREN TO AFHQ GEORGE FIVE RCTD AFHQ FOR CHIEF ENGINEER FROM HQ ALCOM

CITE ACHCO PAREN

PARA ONE FD WITHOLD SHIPMENT OF REQUISITION MIKE GEORGE SUGAR DASH

TWO ONE SIX DASH EASY NAN GEORGE PENDING INVESTIGATION OF DAMAGE IN

NORTHERN ITALY

MGS 216 ENG.

53 reqns

4499

Distribution by hand

Requisition Div

Dep Vice Pres. Econ Sec (2)

Secretary Elec Recons.Com. Italy

ECONOMIC SECTION

317

Declassified E.O. 12356 Section 3.3/NND No. 785019

41

AFHQ - 0.5

5771 20 April 45 ROUTINE

SECRET PD

SUBJECT IS REQUISITION PD

PAREN TO AFHQ GEORGE FIVE FROM HQ ALCOM CITE ACMHQ PAREN

PARA ONE PD REFERENCE CHARLIE LOVE ABLE CHARLIE PAREN SUGAR PAREN ONE FIVE DATED TWENTY TWO FEBRUARY AND MIKE GEORGE SUGAR TWO ONE SIX EASY NAN GEORGE

PARA TWO PD THIS MATTER IS BEING EXAMINED AND RECOMMEND ACTION BE DELAYED FOR THE TIME BEING PD

PARA THREE PD AS SOON AS POSITION IS KNOWN A DECISION AND A FURTHER REPLY WILL BE MADE

Distribution by hand
Requisition Branch

PUBLIC WORKS
317

Declassified E.O. 12356 Section 3.3/NND No. 785019

Memo for file 20/4/45

AC-LNR-108-45

Reg. X for 10 - 2000 rcw units

dated 11 March 45 was returned to us by hand by Sgt. Fernie Reg Section AC 14/4/45 with suggestion that same be rewritten and complete justification provided. After clarification by Lt Col. Laffey, Mov Regic and Maj. Laughlin it was decided that request be delayed for time being and accordingly telegram dated 20 April 45 was dispatched to A.F.H.Q. G-3 Section.

S/H Laughlin
major

Declassified E.O. 12356 Section 3.3/NND No. 785019

4 - Chief Commissioner AC
5 - G-4 (A), AFHQ
6 - G-4 (B), AFHQ
7/8 - G-5, AFHQ
9 - Q (Maint), AFHQ
10 - QM, Coal Section, AFHQ
11 - C.E., AFHQ
12 - D.C.E., AFHQ
13 - Dir. Eng. Prod. & Stores, AFHQ
14/16 - D.W., AFHQ
17/18 - DTR (Italy), C.M.F.
19 - Fiscal Director, AFHQ
20 - Tn. Increment, C.M.F.
21 - G.P.A., MTOUSA
22/26 - C.A.O., 15th Army Group
27/28 - HQ 15th Army Group
29 - HQ, AC
30 - Vice President, Economic Sec. HQ, AC
31/32 - Economic Section, HQ AC
33 - Industry Sub-Commission HQ AC
34 - Public Works and Utilities Sub-Commission, HQ AC
35 - C.S., TARANTO
36 - S.U.S.N.O., ITALY
37 - M.A.A.F. (A)
38 - M.A.A.F. (B)
39/42 - AAFSCO/MTO
43/44 - HQ, N° 1 District
45 - C.E. N° 1 District
46/47 - HQ, N° 2 District
48 - C.E., N° 2 District
49/50 - HQ, N° 3 District
51 - C.E., N° 3 District
52/56 - C.G., RAAC
57 - PENBASE SOUTH
58 - PENBASE
59/60 - C.E., P.B.S.
62/64 - B.P.A., PBS
65 - HQ Adriatic Depot
66/75 - AFLRS, RAAC, C.M.F.
76 - Adv. C.E. N° 2 District
77 - File
78/90 - Spares

1165

Declassified E.O. 12356 Section 3.3/NND No. 785019

20 Apr 45

TO: PW & U S/C

FR: Regn Br.

This regn has been cancelled in view of your signal 5771 To AFHQ

Jul 203

Declassified E.O. 12356 Section 3.3/NND No. 785019

40

AFHQ, G-5 Section 1

AC-ENG-156-45 11 March 1945 Special

HQ, QUARTIER
Lt.Col QMC
Requisition Branch-Economic Section

None	a) Generator,electric,portable steam turbine (oil fired boilers) driven,trailer mounted,2000 KW, standard voltage,3 phase,45-50 cycles	Ea	10
	b) Transformer,oil immersed distribution type, 3 phase 45-50 cycles, self cooled,high voltage to be 9000 volts,low voltage to match generators	Ea	10
	c) Spare parts set and maintenance tool set for 6 months operating period as recommended by manufacturers	Sr	10

4496

JUSTIFICATION: See Report attached to original requisition MGS-216-ENG 4 Sept. 44.

REFER TO CLAC (8) 15 of Feb. 22-45 cancelling the 20,000 KW of generating sets on requisition MGS-216-ENG.
In accordance with Para 3 sub para 1 the above items is submitted for requisition to Military channels.

Declassified E.O. 12356 Section 3.3/NND No. 785019

JWLB/jam

RECEIVED
P.W. & U. S/C A.C.
1 MAY 1945 203

HEADQUARTERS
VENEZIE REGION
Allied Military Government
APO 394
Public Works & Utilities Division

38

29 April 1945

TO : Public Works & Utilities Sub-Commission, HQ Allied Commission (Attention of Electrical Division)

SUBJECT: Portable Generators

FILE No: RXII/PWU/30.3

1. Reference the 2 Trucks K-56, Van Body, W/PE-84 Power Unit, U.S.A. Serial No. 6021191 and No. 6022020.

2. An inspection was made by Capt. J.W.L/ Butcher after an unsuccessful attempt to start them had been made. The inspection showed the following:

In each Le-Roi engine, water had gotten into the cylinder block and had rusted the cylinders and the pistons to such an extent that they at present are completely useless. In addition, the valves, pushrods, rocker gear, etc., show signs of bad rusting. Damage has been done to the Voltage Regulator on No. 6022020, this having been torn from the panel and left to bounce about on the floor; also the Frequency Meter on No. 6021191.

4495

3. No further inspection was made as it was quite obvious that the generators were quite useless in their present state.

4. An attempt is being made to have them repaired at an American Ordnance locally. If this fails, they will be returned to you forthwith, as it is useless to transport "white elephants" which unfortunately these appear to be.

3/5/45
units returned to Rome today and are stored in Lancia Garage
Bldg 5.

J.W.L. KNIGHT, Major
Regional Engineer

Copies to:
C.O. Company "M", 2675th Regt., A.C.
Regional Commissioner, Venezie Region

Col Lapper AFHQ 1/5
66 + 51 Alfero

Declassified E.O. 12356 Section 3.3/NND No. 785019

37

205/6 1st Ind DMG/cpn
ECONOMIC & SUPPLY DIVISION, AMG Fifth Army. 28 April 1945

TO: Electrical Division, P.W.&U. Subcommission, Allied Commission.

1. Forwarded.

2. Please return the original receipts signed by Captain Keeney for the unit No. 6022405.

RECEIVED
P.W. & U. S/C A.C.
MAY 1945 203

D.M. GAITHER,
Major, C.E.,
Engineer Officer,
AMG Fifth Army.

6/5/45
Hold These Mat'l
until new
ones received
from Regional
Engineer's office
Toscana Region
11th Army

6 U refers

47
Refers

30 Refers 449

Declassified E.O. 12356 Section 3.3/NND No. 785019

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
TOSCANA REGION
PUBLIC WORKS AND UTILITIES DIVISION

RV111/100/3/1

27 April 45

A. M. G.
Date 28/4
File No
5 ARMY

SUBJECT: Electric Power Units.

TO : A.M.G. 5th Army
(Attn. Engineers)

1. Enclosed are three copies of Memorandum receipts for two Power Units N°s.

U.S. Serial N° 6021444 and
U.S. Serial N° 6022405.

Leslie Hodges
Capt. R A
Public Works Officer
for P.S.L.LEE
L.COL. R E
Regional Engineer

Declassified E.O. 12356 Section 3.3/NND No. 785019

CONFIDENTIAL

P.W. + U. S/C

RECEIVED
P.W. & U. S/C A.C.
28 APR 1945 203

8520
R. 36

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

Ref. E-1

26 April 1945

SUBJECT: Drawings for 6000 KW Generating Plant

TO : Headquarters, Allied Commission, APO 394
(Attn: Public Works & Utilities Sub-Commission)

33

Reference our E-1 of 20 April.

1. CCAC advises that the civilian engineer, CARLSON, whose estimated time of departure was 23 April, is bringing foundation and structural plans with him.

For the Assistant Chief of Staff, G-5:

HEADQUARTERS
27 APR

R. C. CARLSON
Major, G.S.C.
Economics & Supply Division

4492

CONFIDENTIAL

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C.
27 APR 1945
203

HEADQUARTERS
AMG FIFTH ARMY
APO 464 U.S.ARMY

35

R

FE DMG/cpn

25 April 45

205/6

SUBJECT: Mobile Generator Units.

TO : P.W.&U. S/C. (Attn: Major L.W. Laughlin)

1. Reference telephone conversation April 25, 1945 Major Gaither- Major Laughlin.

2. The damaged voltage regulators of the PE-84 power unit is inclosed for replacement by a serviceable regulator.

3. This regulator was received in this condition with the unit on truck No. 6021785.

D.M.GAITHER,
Major, C.E.,
Engineer Officer,
AMG Fifth Army.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 317

HEADQUARTERS ALLIED COMMISSION

LWL/mo

INTER OFFICE MEMO

34

Reference : 203/PWU
Subject : Suggested specifications for Portable Generating Unit
To : INDUSTRY S/C (Att Lt. Cdr J.Schlee)
From : Public Works and Utilities Sub-Commission

27 April 1945

1. As per your request we give below the specifications of a unit which is likely to be a stock item and which could be used for shop work for operating small single phase and three phase shop machinery in connection with the Hemp Plants.

2. The following specifications provide for 25 KW machine but we suggest that this be checked to make sure that this is a large enough machine to meet the needs :

Specifications for Portable Units

Portable diesel engine with direct connected alternating current generator, 25 KW capacity, frequency 60 cycle, 3 phase, 4 wire, 220 or 230 volts between phases and approximately 130 volts between each phase wire and neutral to be complete with voltage regulator and necessary indicating instruments, switches, fuel tank, starting battery etc.

NOTE : If possible to obtain from stock the generator should operate at a frequency of 50 cycles, however, 60 cycles will be acceptable.

4499

78 refers

L.M.LAPPER
Lieut-Colonel,
Chief Elec. Div.

Declassified E.O. 12356 Section 3.3/NND No. 785019

- PRINCIPAL HEMP AND JUT
IN CENTRAL & NORTHERN

CATEGORIES :- a) spinners - b) twine factories - c)
c) sundry manufacturers - f) rope facto

NAME OF FIRM	Category	Office
EMILIA		
x Linificio & Canapificio Nazionale	a.b.f.	c/o Milano
x Manifattura Lombarda Lino & Canapa	a.b.	Milano
x Industrie Canapiere Italiane	a.b.c.f.	c/o Milano
Canapificio del Reno	b.f.	c/o Bologna
Colle Fortunato	f.	c/o S.Arcangelo di Romagna
Canapificio Zoni	b.f.	c/o S.Giovanni Ferr
Canapificio Sinz	b.	c/o Ferrara
x Jutificio di Vergato A. Merlini	j.	c/o Vergato(Bol.)
Soc.Gen. Montecatini	j.	c/o Milano
VENETO		
x Giuseppe Roi	a.c.e.f.	Vicenza
Giuseppe Veruzzi	b.f.	c/o Verona
Jutificio & Canapificio di Legnaro	b.j.	c/o Legnaro
Canapificio Veneto Antonini e C. Soresa	b.f.	c/o Milano
Bruno Granata	b.f.	c/o Rovigo
Canapificio Giuseppe Plaino	b.	c/o Udine
Canapificio Udinese	b.	c/o Udine
Fabbrica Cordaggi G. Angeli	f.	c/o Trieste

Declassified E.O. 12356 Section 3.3/NND No. 785019

- PRINCIPAL HEMP AND JUTE FACTORIES IN CENTRAL & NORTHERN ITALY -

CATEGORIES :- a) spinners - b) twine factories - c) weavers - d) weavers (hoses) - e) sundry manufacturers - f) rope factories - j) jute factories -

FIRM	Category	Office	Factory Address
& Canapificio Nazionale	a.b.f.	Milano	Casalecchio di Reno (Bologna)
ra Lombarda Lino & Canapa	a.b.	Milano	Tresigallo (Ferrara)
Canapiere Italiane	a.b.c.f.	Milano	Pioppo di Salvaro (Bologna) Cento (Ferrara)
io del Reno	b.f.	Bologna	Bologna, Via Persicetana
tunato	f.	S.Arcangelo di Romagna	S.Arcangelo di Romagna
io Zoni	b.f.	S.Giovanni Pers.	S.Giovanni in Persiceto(Bologna)
io Sinz	b.	Ferrara	Ferrara
di Vergato A. Morlini	j.	Vergato(Bol.)	Vergato (Bologna)
Montecatini	j.	Milano	Ravenna
Roi	a.c.e.f.	Vicenza	Cavazzale (Vicenza)
Feruzzi	b.f.	Verona	Verona
& Canapificio di Legnaro	b.j.	Legnaro	Legnaro (Rovigo)
io Veneto Antonini e Teresa	b.f.	Milano	Crocetta del Montello (Treviso)
nata	b.f.	Rovigo	Rovigo
io Giuseppe Plaino	b.	Udine	Udine
io Udinese	b.	Udine	Udine
Cordaggi G. Angeli	f.	Trieste	Trieste

./.

Declassified E.O. 12356 Section 3.3/NND No. 785019

NAME OF FIRM	Category	Office	Factory
VENETO			
x Jutificio di Piazzola sul Brenta	j.	Milano	220 Piazzola
Jutificio Triestino S.A	j.	Trieste	110 Trieste
x Stabilimenti Industria Juta	j.	Venezia	220 Venezia
			220 S.Donà di
LOMBARDIA			
x Linificio & Canapificio Nazionale		Milano	220 Vimercat
Via Ansperto 11°5		" 260	Ponte S.
		" 260	Almè con
		" 260	Cassano
		"	220 Concores
		" 150	Crema (
	a.b.c.d.	" 260-750	110 Lodi (
	e.f.	"	220 Melegnan
		" 260	Para d'
		Milano 260	Rescald
Giovanni Bassetti S.A	c.e.	Milano	Origgio
Via Tadino 22. 3			
x Manifattura Lombarda Lino e Canapa	a.b.	Milano 550	Desio
Via Monforte 20			
S.A. De Fonti & C.	a.b.f.	Milano	220 Paderno
Via dogana Angelo 1			Lucira
Ambrogio Cappellini	b.	Milano	
Via Fiorello 19	b.		
		Milano	220 Vimero
/ Industria Filati Lino e Canapa	a.	Milano	Bagnol
Via P. Monte 19			
De Magistris	b.	Milano 150	
x Jutificio Agostino Notari	j.	Milano	110 Monte
x Jutificio Maioni	j.	Milano	110 Verbe
PIEMONTE			
Perlo Leonardo	f.	Carmagnola	110 Carma
Corderia Giuseppe Osella	f.	S.Leonardo Car.	S. Le
x Peirone & C.	d.	Nole Canavese	220 Nole

30217

Declassified E.O. 12356 Section 3.3/NND No. 785019

	Categ.	Ufficio		Fabbrica Address
la sul Brenta	j.	Milano	220	Piazzola sul Brenta (Padova)
S.A	j.	Trieste	220	Trieste
ria Juta	j.	Venezia	220	Venezia
			220	S.Donà di Piave
ficio Nazionale		Milano	220	Vimercate (Milano)
		"		Ponte S.Pietro (Bergamo)
		" 260		Almè con Villa (Bergamo)
		" 260		Cassano D'Adda (Milano)
		"	220	Concorezzo (Milano)
		" 150		Crema (Cremona)
	a.b.c.d.	" 260-250	220	Lodi (Milano)
	e.f.	"	220	Melegnano (Milano)
		" 260		Vaprio d'Adda (Bergamo)
S.A	c.e.	Milano 260		Rescaldina (Milano)
da Lino e Canapa	a.b.	Milano		Origgio (Varese)
	a.b.f.	Milano 150		Desio (Milano)
	b.	Milano	220	Paderno Dugnano (Milano)
ni	b.	Milano		Lucirana (Milano)
	b.	Milano	220	Vimercate (Milano)
Lino e Canapa	a.	Milano		Bagnolo Cremasco (Cremona)
	b.	Milano 250	220	Monte Siro (Besana Brianza)
o Notari	j.	Milano	220	Verbania (Novara)
	j.	Milano		
	f.	Carmagnola	220	Carmagnola (Torino)
	f.	S.Leonardo Car.		S. Leonardo Carmagnola (Torino)
o Ossola	d.	Nole Canavese	220	Nole Canavese (Torino) ./.

2703

Declassified E.O. 12356 Section 3.3/NND No. 785019

NAME OF FIRM	Category	Office	Facto
PIEMONTE			
Stab.di Amianto E Gomma Elastica, già Dender & Martiny S.A.	d.	Nole Canavese	Nole Ca
Jutificio Antonio Robisso & C.	j.	Genova	Vinovo
	j.	Genova	Foglizz
Jutificio de Fornox S.A.	j.	Torino	Giaveno
Jutificio Alfredo Moda	j.	Giaveno	Giaveno
Jutificio Francesco Frever	j.	Giaveno	Giaveno
Jutificio Vercellese S.A.	j.	Vercelli	Trecate
× Manifattura Juta Sparto & Affini	j.	Borgo Vercia	Borgo Se
× Industria Juta S.A.	j.	Genova	Arquata
LIGURIA			
Linificio & Canapificio Nazionale	b.	Milano	Sampiere
× Jutificio Costa S.A.	j.	Genova	Isoverde
Eridania Zuccherifici Nazionali	j.	Genova	Sampiere
Jutificio A. Vigo	j.	Voltri	Voltri
× Jutificio Mantegazza S.A.	j.	Milano	Voltri
Soc.Gen. Montecatini	j.	Milano	Spezia
TOSCANA			
Marconcini F.lli fu Dario	b.f.	Pontedera	Pontedera
Corderia Livornese S.A.	f.	Livorno	Livorno
Corderia Pardini Oreste	f.	Camaiore	Camaiore
Manifattura Italiana Juta S.A.	j.	Genova	Ponte a
Soc.Gen. Montecatini	j.	Milano	Aulla

1937

Declassified E.O. 12356 Section 3.3/NND No. 785019

I R X	Category	Office	Factory Address
E Gomma Plastica,			
tiny S.A.	d.	Nole Canavese	220 Nole Canavese (Torino)
o Robisso & C.	j.	Genova	220 Vinovo (Torino)
	j.	Genova	220 Foglizzo (Torino)
nox S.A.	j.	Torino	110 Giaveno (Torino)
o Moda	j.	Giaveno	220 Giaveno (Torino)
sco Frever	j.	Giaveno	220 Giaveno (Torino)
lese S.A.	j.	Vercelli	220 Trecate (Novara)
Sparto & Affini	j.	Borgo Sesia	160 160 220 Borgo Sesia (Novara)
.A.	j.	Genova	260 Arquata Scrivia (Alessandria)
pificio Nazionale	b.	Milano	260 220 Sampierdarena (Genova)
S.A.	j.	Genova	Isoverde (Busalla, Genova)
lfici Nazionali	j.	Genova	160 110 Sampierdarena (Genova)
o	j.	Voltri	160 80 Voltri (Genova)
nassa S.A.	j.	Milano	260 220 Voltri (Genova)
tini	j.	Milano	350 Spezia
fu Dario	b.f.	Pontedera	260 Pontedera (Pisa)
ne S.A.	f.	Livorno	260 Livorno
Croce	f.	Camaiore	260 Camaiore (Lucca)
iana Juta S.A.	j.	Genova	Ponte a Moriano (Lucca)
tini	j.	Milano	220 Aulla (Massa Carrara)

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C.
22 APR 1945 203

CONFIDENTIAL

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

P. WORKS S/C

8040

Ref. E-1

20 April 1945

33

SUBJECT: Drawings for 6000 KW Generating Plant

TO : Headquarters, Allied Commission, APO 394
(Attn: P.W. and Utilities Sub-Comn.)

Reference your 203/PWU of 16 April. 28 36

1. Cable has been sent to C.C.A.C. requesting copies of structural and foundation drawings for steam driven electric generating plant 6000 KW be forwarded immediately.

For the Assistant Chief of Staff, G-5:

R. C. CARSON
Major, G.S.C.
Economics & Supply Division

55 refers

448

CONFIDENTIAL

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C.
22 APR 1945 203

CONFIDENTIAL

PWORKS S/C

8038

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

Ref. E-1

20 April 1945

32

SUBJECT: Electric Generators

TO : Headquarters, Allied Commission,. APO 394
(Attn: Industry Sub-Commission)

attached

Reference your HCO/406/D of 16 April.

1. It is suggested that a completely new requisition be put forward by you for the two mobile generators now required. This should supercede all past requests.

2. This requisition should give full mechanical requirements and details of hemp machinery for which generators are required.

3. Justification as outlined in past correspondence on the same subject should be consolidated and incorporated in the new requisition.

For the Assistant Chief of Staff, G-5:

R. C. CARSON
Major, G.S.C.
Economics & Supply Division

Copy to: P.W. and Utilities Sub-Comm.,
Allied Commission.

4483

CONFIDENTIAL

Declassified E.O. 12356 Section 3.3/NND No. 785019

HEADQUARTERS ALLIED COMMISSION
APO 394
INDUSTRY SUB-COMMISSION

Tel. 432

JS/gd

Ref. HCO/406/D

16 April 1945

Subject : Electric Generators.

To : A.F.H.Q. G-5 Section.

1. Reference is made to A.F.H.Q. letter E-1 dated 2 March 1945 and HCO/406/D dated 28 February.

2. The firm for whom the generators were particularly requested is now being supplied with sufficient power for the working of the looms, under a rearrangement and exchange of electric motors so that no immediate necessity for these generators exists there now.

3. However two generators are also needed for use in forward areas during the early stages of rehabilitation for supplying power to factory workshops etc during the period before other power becomes available.

4. Generators can also be very profitably used during the present great shortage of Hemp fibre for supplying power to scutching machines immediately hemp is found and so making additional fibre available for essential military and civil needs. Production of Hemp articles now only provides about 50% of requirements owing to scarcity of fibre.

448

5. In view of the prospect of early occupation of the Bologna Ferrara Hemp districts, the provision of two mobile generators which can put hemp machinery to work immediately will undoubtedly materially assist in alleviating the present shortage of fibre.

(signed)

W. I. MASKREY, LT. COL.
for W.S. VAUGHAN
Director,
Industry Sub-Commission

Declassified E.O. 12356 Section 3.3/NND No. 785019

31

MEMORANDUM RECEIPT

CREDIT - DEBIT - SLIP

Turned in by [redacted] CULLEN B. JONES Jr. 1st Lt. Inf. Supply Officer 2675 Reg. AC

PLACE Supply Officer 2675 Regt. AC HQ DATE 21 April 45

Public Works and Utilities S/C - Allied Commission APO 394 Property
(Name of supply branch)

Number	Stock Number	Articles
2		Truck K-56 Van Body - W/PE-84 Power Unit - USA Serial Nos.
	6022405	
	6021412	
	last item	

Received the above-named articles. This date by
J.F. Geoghegan major
S.O. Public Works & Util U.S.C. A.C.

No.
Q.M.C. Form 487 Revised May 14 1931 - Strike out words not applicable

A.C. - Nov. 1944.

1 copy given to Lt Jones by hand 23/4/45 J.F. Geoghegan major

Declassified E.O. 12356 Section 3.3/NND No. 785019

This Folio consisted
of copies of M-R from
Tosecan Negroni dated
31 ult. Returned
to Mrs Gaither by
letter. re folio No 47
and 64

4482

Declassified E.O. 12356 Section 3.3/NND No. 785019

CONFIDENTIAL

Telephone 478895

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works & Utilities Sub Commission
Electrical Division

FILE 28

Reference: 203/PWU

16 April 1945

Subject : Requisition MTS-216-ENG
Electrical Power Generating Plants

To : A.F.H.Q. G-5 Section
(Economics and Supply)

(16)

1. Reference is made to your EI dated 19 Mar 45 and to this HQ letter 203/PWU dated 7 Mar 45 with particular reference to para 4.

2. It is confirmed that items 1 through 5 listed on page 3 of AGF letter will be available through AC sources with the exception of structural and foundation drawings and it is requested that these drawings be supplied at an early date, so that a study can be made of the lay out.

3. Additional copies of the drawings can be made here.

For the Chief Commissioner,

L. G. PRICE

L.G.PRICE,MAJOR RE
for Lieut Colonel
Chief,Electr.Division

33 refers

418

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C
11 APR 1945 20B

Regrio

5111

27

ALLIED FORCE HEADQUARTERS
C-5 Section
APO 512

Ref. E-1

10 April 1945

SUBJECT: Requisition MGS-216-ENG - Electrical Power Generating Plants

TO : Headquarters, Allied Commission, APO 394
(Attn: Economics Section)

It is requested that we be furnished a reply to our letter E-1 of 19 March, subject as above.

For the Assistant Chief of Staff, G-5:

R. V. GRADY
Major, T.C.
Economics & Supply Division

HEADQUARTERS
11 APR 1945

Ref. RB-400/162-ES 1st Ind. HCQ:cl

Hq, ALCOM, Economic Section, Requisition Branch, 14 April 1945.

TO: Public Works & Utilities Subcommission.

(16)

1. Above referred to Ltr was forwarded to you for action on 23 Mar '45.

2. Request subject Ltr be answered immediately and that a copy be sent to Requisition Branch.

F. W. TOOBY
Major, R.) A.
Chief, Requisition Branch
Supply & Resources Division

Col Lapper
What is desired?
CAB 14/4

Folio 16
Appx.

Declassified E.O. 12356 Section 3.3/NND No. 785019

96

Jon - Mayor Levitt signed them 2 M/Rs for the trucks.

R.

2 D

Folio 4479

Declassified E.O. 12356 Section 3.3/NND No. 785019

MEMORANDUM RECEIPT 40 (a)

+ CREDIT + DEBIT + SLIP

+ Issued to: Venezia Regioi
+ Turned in by:

Place ..... Date 9 Apr. 45

..... Property

(Name of supply branch)

Number	Stock Number	Articles
2		Truck K-56 Van Body W/PE-84 Power Unit USA Serial No.
		6021191
		6022020

3/9/45
turned in 3/9/45
6021191
6022020
4473

Received the above-named articles.

Robert Levitt Major Cav
Venezia Regioi

No.

Q.M.C. Form 487. Revised May 14 1931. + Strike out words not applicable.

A. C. - Nov. 1944

STATUS OF PORTABLE GENERATOR SETS

25

NOMENCLATURE: Truck K-56 Van Body W PE-84 Power Unit.

F = File No F = Folio No D = Date of M.R.

PORTABLE UNIT No.	ASSIGNED TO	ASSIGNED TO	ASSIGNED TO	Turned ~~ASSIGNED TO~~ In.
6021191	F 203 F 22 / 20(A) D 2/4/43 Venezia Region Maj. Robert Levitt C.M.P.	F 203 F 66 D 30/4/43 L.W. Laughlin Major Lancia Garage	F___ F___ D___	F 203 F 92 D 3/4/43 turned in 4043 to 6L56
6021244	203 24a 8/2/43 C & T 2673 Regt 1st Truck Bty Cpt. R.C. Thomas. R.M.C. & N. Regt.	___ ___ ___	___ ___ ___	203 98 2/4/43 turned in 10 Jul 43 to 6L56 warehouse
6021323	203 24B 27/1/43 Eng. Section A.M.G. 5th Army Maj. D. Gaither CMP	203 20 2/2/43 Venice Reg. Lieut. Spann Regt. Eng.	___ ___ ___	202 86 2/2/43 turned in to 6L56 Radar Lighten
6021356	203 24C 2/2/43 C & S - 2673 Regt. Capt. P.L. Johnsen CMP. Piemonte Reg.	___ ___ ___	___ ___ ___	203 96 13/2/43 turned in to 6L56 Radar Lighten 13/2/43
6021362	203 24D 31/1/43 Lombardia Reg XI J.J. Lynch 1st Lt. C.M.P.	___ ___ ___	___ ___ ___	203 97 2/2/43 turned in to 6L56 Radar Lighten 20/2/43
6021412	203 24E 31/1/43 Hq Co. 2673 Regt. C.B. Jones Jr. 1st Lt. Inf.	203 81 2/2/43 L.W. Laughlin, major S.O. P.W.B. A.F.S.C. AC. Lancia Garage	___ ___ ___	203 92 3/2/43 turned in to 6L56 Radar Lighten
6021444	203 24B 22/1/43 Eng. Sect. A.M.G. 5th Army Maj. D. Gaither	203 60 20/2/43 Tuscania Reg. C.W. Hamilton major Regt. Hdqrs.	___ ___ ___	203 80 24/2/43 turned in to 6L56 Radar

Declassified E.O. 12356 Section 3.3/NND No. 785019

X 6021244	203 24a 8/2/43 C & S, 267th Sig T 1st Truck Bn Lt. R.C. Thomas. Q.M.C. C.N. Reg.	— — —	— — —	203 9K 2/1/44 Turned in 10 July 44 to 6456 Winchester	
X 6021323	203 24B 29/1/43 Eng. Sec. from A.M.G. 5th Army Maj. D. Gaither CMP	203 20 2/6/ Camino Reg. Capt. Spanno Reg. Eng.	— — —	202 81a 21/9/ turned in to 6456 Radar Lytham	
X 6021356	203 24C 2/2/43 C & S - 267th Sig T. Capt. P.L. Johnson CMP. Piemonte Reg.	— — —	— — —	203 91 13/9/44 turned in to 6456 Radar Lytham 13/6/45	
X 6021362	203 24D 31/1/43 Lombardia Reg XI J. J. Lynch 1/Lt CA. C.M.P.	— — —	— — —	203 92 2/9/44 turned in to 6456 Radar Lytham 30/6/45	
X 6021412	203 24E 31/1/43 Hq Co. 267th Sig T. C.B. Jones Jr. 1 Sgt CA. Inf.	203 81 21/6/43 I.W. Haughton Major S.O. P.W.O. 1 S.C. AC. London George	— — —	203 92 3/9/44 Turned in to 6456 Radar Lytham	
1 6021444	203 59 24B 27/1/43 Eng. Sect. AMG 5th Army Maj. D. Gaither C.M.P.	203 60 25/5/43 Toscana Reg C.W. Hamilton Major Reg. Hdqrs off.	— — —	203 80 2/9/44 Turned in to 6456 Radar Lytham	
X 6021704	203 24F 2/2/43 Emilia Reg. XI Capt. E.H. Rogers C.E.	— — —	— — —	203 77 21/9/44 Turned in to 6456 Radar Lytham 17/9/44	
X 6021785	203 59 24B 27/1/43 Eng. Sect. AMG 5th Army Maj. D. Gaither	— — —	— — —	203 81 2/9/44 Turned in to 6456 Radar Lytham	
X 6021854	203 59 24B 27/1/43 Eng. Sect. A.M.G. 5th Army Maj. D. Gaither	— — —	477	203 81 2/9/44 Turned in to 6456 Radar Lytham	

Declassified E.O. 12356 Section 3.3/NND No. 785019

25A

STATUS OF PORTABLE GENERATOR SETS

NOMENCLATURE: Truck K-56 Van Body W PE-84 Power Unit.

PORTABLE UNIT N.º	ASSIGNED TO	ASSIGNED TO	ASSIGNED TO	ASSIGNED TO
6022020	F 203 F 22 D 31/4/43 26(a) Venezia Rig. Maj. Robert Acvitt C.M.P.	F 203 F 66 D 30/4/43 A.W. Laughlin Major Lancia Garage	F F D	F 203 F 92 D 31/5/43 turned in to 6456 Lighter
6022337	203 24G 20/2/43 C.T. 2605 - Sgt. Thomas Swisher Capt. C.E. Training Battalion. 59	203 Brought to Subsequent page		203 102 27/4/43 turned in to 6456 Lighter
6022382	203 24B 27/1/43 Eng. Sec'y. A.M.G. 5th Army Maj. D. Gaillier			203 82 24/4/43 turned in to 6456 Radar Lighter
6022389	203 24H 1/2/43 R.S.O. - 2605 Sgt. C.W.O. Louis Viasenzo for Maj. Craig S.C. for Capt. McPhail			203 42a 3/9/43 turned in to 6456 Lighter
6022405	203 24E ? Hq S. 2605 Sgt. C.B. Jones Jr. 1st Lt. Inf.	203 31 21/4/43 L.W. Laughlin major S.O. P.W.B. Ltr. S.C. A.C.	203 30 2/Apr/43 Co. H. Region VIII Toscana Reg. H. F. Keogh 24 Capt. C.M.P. for Maj. D. Gaillier	203 60 25/5/43 Toscana Region C.W. Nam. Hon Reg. Elec. Off. major
				203 80 24/4/43 turned in to 6456 w/ typhoon Lighter

Declassified E.O. 12355 Section 3.3/NND No. 785019

6022020	Maj. Robert Levitt C.M.P.	Lancia Garage		6L56 Lighting
6022337	203 24G 2/2/45 C.T. 2695 Regt. Thomas Swinbier Capt. C.E. training Battalion.	203 — — — Brought to Sufern garage	— — —	203 102 2/14/45 turned in to 6L56 Lighting
X 6022382	203 59 24B 2/1/45 Lieut. Sec'y. A.M.G. 5th Army Maj. D. Gaither	— — —	— — —	203 82 2/15/45 turned in to 6L56 Radar Lighting
X 6022389	203 24H 1/2/45 R.S.O. - 2695 Regt. C.W.O. Louis Viscenzo for Maj. Craig 5th & for Capt. McPhail.	— — —	— — —	203 92a 3/9/45 turned in to 6L56 Lighting
X 6022405	203 24E ? Hqrs. 2695 Regt. C.B. Jones Jr. 1st Lt. Inf.	203 31 2/14/45 L.W. Laughlin major S.O. D.W. Cahill S.C. A.C.	203 30 2/14/45 Co. H. Legion VIII Tuscania Reg H. F. Keogh 4th Capt. C.M.P. for Maj. D. Gaither	203 60 2/5/45 Tuscania Regiment C.W. Hamilton Reg Elec. officer
	— — —	— — —	— — —	203 80 2/16/45 turned in to 6L56 Lighting
	— — —	— — —	— — —	— — —
	— — —	— — —	— — —	— — —
	— — —	— — —	— — —	— — —
	— — —	— — —	— — —	— — —

4476

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

24

PUBLIC WORKS AND UTILITIES SUB-COMMISSION

Electrical Division

MEMORANDUM FOR FILE N° 203/PWU - 3 April 1945

The attached QMC Forms 487 show the disposition and location, as of this date, of the 15 portable units bearing the following serial numbers :

	Folio No		Folio No
6021191	22-26 a	6021785	59-24B
6021244	24 a	6021854	59-24B
6021323	59-24a-20	6022020	22-26 a
6021356	24 C	6022337	24 C
6021362	24 D	6022382	59-24B
6021412	24 E	6022389	24 H
6021444	59-24B	6022405	24 E
6021704	24 F		

L.W. LAUGHLIN
Major, S.R.
P.W. & U. S/C 4475

Declassified E.O. 12356 Section 3.3/NND No. 785019

24A

MEMORANDUM RECEIPT
~~*CREDIT~~ XXXXXX DEBIT SLIP

*Issued to: }
*Turned in by: } Co. N, 2675th Regt, Allied Commission, APO 394, US ARMY
XXXXXXXXXXXXX

Place APO # 394 Date ~~8 February 1945~~

~~1st Truck Battalion, Allied Commission, APO 394, US ARMY (ORD)~~ 2675 Regt AC Property
(Name of supply branch)

Number _____ Stock Number _____ Articles _____

~~1 ea. Truck, K-56, Van Body, W/PE-84 Power Unit, Ser.No. #6021244~~
LAST ITEM

447

Received the above-named articles.

No. 11 refers

Q.M.C. Form 487 Revised May 14, 1931.

Reproduced 17-1-1945
Co.N, 2675 Regt., AFCOM

I certify that I understand the responsibilities incurred by signing this Memorandum Receipt and will clear this Memorandum Receipt with Company Headquarters before departing for another station.

Capt. R. L. Grimes
Capt. Onc.
Co. N, Cmdg.

Declassified E.O. 12356 Section 3.3/NND No. 785019

24B

MEMORANDUM RECEIPT

+ CREDIT + DEBIT SLIP

+ Issued to: } D. GAITHER Maj. C.M.P. -Eng. Section A.M.G.-5th Army
+ ~~Immediately~~:

Place Engineer Section -5th Army A.M.G. Date 27 January 1945

Public Works and Utilities S/C (Name of supply branch) ALLIED COMMISSION APO 534 Property

Number	Stock Number	Articles
5		Truck K-56 Van Body W/PE - 84 Power Unit -USA Serial Nos.
	- 6021644	
	- 6021785	
	- 6021382	
	- 6021223	
	- 6021354	

Lt d Stu

4473

Received the above-named articles.

Pfc b 9 mfg

D. GAITHER Major C.M.P.
Eng. Section A.M.G.-5th Army

No.

Q. M. C. Form 487. Revised May 14 1931. + Strike out words not applicable.

Declassified E.O. 12356 Section 3.3/NND No. 785019

WAR DEPARTMENT
O.M.C. Form No. 490
(Revised February 8, 1938)

TALLY-OUT
(Packing or Loading List)

Serial No. .....
Req. No. .....
No. of sheets .....
Sheet .....

..... (Station)

Warehouse Public Works & Utilities S/C-ALLIED COMM. APO 394
Consignee Engineer Section -5th Army A.M.G.
Destination 5th Army A.M.G.
Routing .....

Date 27 January 1945
Carrier .....
B/L No. .....
Car No., Initials,
Seals No. .....

Date shipped ..... Authority .....

U. S. NOS ON PACKAGES	NUMBER AND KIND OF PACKAGES	CONTENTS	GROSS WEIGHT (Pounds) Unit	GROSS WEIGHT (Pounds) Total	CUBIC MEASURE
	5	Truck K-56 Van Body W/PE - 84 Power Unit USA Serial Nos. - 6021444 - 6021785 - 6022382 - 6021323 - 6021854	(ea)	5	447

..... Checker.

..... Packer.

..... Shipper.

Received the above articles in apparent good order and condition (except as noted) this date 27 Jan 1945

Lt. William A. Giustiniani
for D. CAITHAML, J. C.W.P.
(Signature)
Eng. Section, G.-5th Army
(Designation)

Hq PBS 7-44 - 300,000

Declassified E.O. 12356 Section 3.3/NND No. 785019

(Duplicate)

MEMORANDUM RECEIPT

+ CREDIT + ~~DEBIT~~ SLIP

+ Issued to: Co "A" 2675th Regt, AC, (Cuba)

+ ~~To [illegible]~~:

Place APO 864, U. S. Army Date 6 Feb 1945

Public Works Utilities S & C

From 1st Truck Co., 2675th Regt, AC — Vanca Envalo, San Pablo, Rosa Property

(Name of supply branch)

Number	Stock Number	Articles
1	W.D. Serial # 6021303 6021352	1 Truck 1 ½ GS Van Body with 25 KVA, PE 84 Power Unit.
		Serial No. 250794
		Motor No. 838439

4471

Received the above-named articles.

10 repairs

Paul L. Johnson

PAUL L. JOHNSON, Capt. CE, U.

No.

Q. M. C. Form 487. Revised May 14 1931. + Strike out words not applicable.

Declassified E.O. 12356 Section 3.3/NND No. 785019

MEMORANDUM RECEIPT

24-D

+ CREDIT + DEBIT SLIP

+ Issued to: John J. Lynch 1st Lt. C.M.P. Transportation Officer Region XI

+ ~~Returned by~~:

Place ..... Date 31 January 1945

Public Works and Utilities Sub-Commission Allied Commission Property
(Name of supply branch) APO 394

Number	Stock Number	Articles
1		Truck K-36 Van Body - W/PE-84 Power Unit - USA Serial Nos. ~~602[illegible] Plus.~~ 602136 2 ton 4 by 2

447

Received the above-named articles.

This 66 refers John J. Lynch 1st Lt. C.M.P. Transportation Officer

No.

Q. M. C. Form 487. Revised May 14 1931. + Strike out words not applicable.

Declassified E.O. 12356 Section 3.3/NND No. 785019

24 E

MEMORANDUM RECEIPT

+ CREDIT + DEBIT SLIP

+ Issued to: } Cullen B. Jones Jr. 1st Lt. Inf.-Supply Officer 2675 RgtAC
+ ~~Transferred to~~:

Place Supply Officer 2675 Regt.A.C. Hq. Date Feb. 45

Public Works and Utilities S/C -ALLIED COMMISSION-APO 394 Property
(Name of supply branch)

Number	Stock Number	Articles
2		Truck K-56 Van Body - W/PE-84 Power Unit - USA Serial Nos.
		- 602405
		- 602412
		Last Item.

4469

Received the above-named articles.

Cullen B. Jones, Jr.
Cullen B. Jones Jr. 1st Lt. Inf.
Supply Officer - 2675 Regt. A.C.

No.

Q. M. C. Form 487. Revised May 14 1931. + Strike out words not applicable.

Declassified E.O. 12356 Section 3.3/NND No. 785019

MEMORANDUM RECEIPT

+ CREDIT + DEBIT SLIP

+ Issued to: } E.H. Rogers - Capt. C.of E- Public Works & Utilities
+ Turned in by: }

Place Emilia Region Date 20.8.1945

Public Works and Utilities Sub-Commission-ALLIED COMMISSION APO 394 Property
(Name of supply branch)

Number	Stock Number	Articles
1		Truck K-56 Van body - W/PE 84 Power Unit Ser.No. 6021704

Received the above-named articles.

E.H. ROGERS

Capt. C of E

No.

Q. M. C. Form 487. Revised May 14 1931. + Strike out words not applicable.

Declassified E.O. 12356 Section 3.3/NND No. 785019

24G

MEMORANDUM RECEIPT

+ CREDIT + DEBIT SLIP

+ Issued to: } Thomas R. Swisher Capt. C. of E.

+ [redacted]:

Place Ft. Sam. 67th Hosp't Allied Comm. APO 204 Date 20 1/2 /45

Property

Public Works and Utilities O/C - ALLIED COMMISSION - APO 204

(Name of supply branch)

Number	Stock Number	Articles
1		Truck K-68 Van Body 1/2T - 4A Power Unit - Serial No. 6616837
		Last Date
		130-C-46
		MC
		Letting
		Carried Over
		To Inventory
		1463

Received the above-named articles.

Thomas R. Swisher
1st Lt. C of E.

No.

Q. M. C. Form 487. Revised May 14 1931. + Strike out words not applicable.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Q.M.C. Form No. 489
WAR DEPARTMENT
Revised June 20, 1938

MEMORANDUM RECEIPT
TALLY SHEET
INCOMING

Tally-in No. .....
Sheet No. 244
Number of Sheets .....

Station PUBLIC WORKS & UTILITIES, A.C. Warehouse No. ..... Date received 1 February 1945

Consigned to RSO 2675TH REGIMENT, A.C. Car No. ..... Car Seals No. .....
For Capt. A.M. MC PHAIL

Via ..... Requisition, Purchase Order, or Shipping Ticket .....
(Rail, truck, boat, parcel post, mail)

No. ..... Bill of lading No. .....

Contents of packages { have / have not } been verified (strike out words not applicable)

U. S. Nos. on Packages	Number and Kind of Packages	CONTENTS	Gross Weight (Pounds) Unit	Gross Weight (Pounds) Total
	1	TRUCK, K-56 Van Body W/PE-84 Power Unit	ea	4467
		USA Serial Number 6022389		
		LAST ITEM		

72 refas

Livio Viviano Capt
for Major Craig 5-4

Checker .....

Hq. ACC - 7-44 - 1000

Declassified E.O. 12356 Section 3.3/NND No. 785019

INSTRUCTIONS TO TALLY CLERK

Mark heavy circle on other side of this sheet around numbers of damaged packages and list them below, with full information as to condition in which they are received. This is of the utmost importance, as claims will be made on the basis of this information.

PACKAGES RECEIVED IN DAMAGED CONDITION

PACKAGE NO.	WEIGHT	ARTICLES	EXTENT OF DAMAGE TO CONTENTS

Above facts have been reported to Transportation Officer, who states that notation thereof { has / has not } been made on B/L prior to surrender to carrier and that carrier's agent { does not / acknowledge(s) } liability for damage.

.....
Receiving Clerk

1203

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 489081
Ext. 317

SECRET

WMI/ac

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

3 April 45

Reference: 203/PWU

Subject : Port of Genoa Planning.

To : Flag Officer Northern Area, Mediterranean.

Reference your letter 15th Feb. 45 NOMAM 131-15, observed that para 7 refers to floating power plant of 50,000 KW. This should read 25,000 KW.

Not rec'd by P. Wks & U.

For the Chief Commissioner.

W.M. LAFFER,
Lieut-Colonel,
Chief Elect. Div.

Copy to: Naval Officer in Charge, Party "JIC".
N.W. Italy Co. ordinating Committee.
The General Officer Commanding, No 2 Dist. .
The Commander, 57 Area.
Regional Commissioner, Liguria.
Economic Section.

SECRET

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 489081
Ext. 317

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

LWL/ao

22

Reference : 203/PWU

2 April 1945

Subject : Portable Power Plants
K-56 Van Body W/PE-84

To : REGIONAL COMMISSIONER VENEZIA REGION
(Attention Regional Engineer)

1. Confirming conversation on 31 March 45 we are allocating the two portable units, serial numbers 6021191 and 6022020 to your region.

2. Please arrange to send drivers to this Headquarters to drive the units back as soon as possible as they must be moved from their present storage.

3. Enclosed are four copies of M.R. which should be completed and signed for by an American Officer in the Regional supply or transport section of your region retaining one copy for you files and returning the other three to this Headquarters.

4. This confirms handing you instruction books TM11-95 for the above units which should be kept with the machines.

By command of Rear Admiral STONE.

for W.M.LAPPER
Lt-Colonel
Chief Elec. Div.

cc : ADVANCED SECTION ELECTRICAL DIVISION
P. W. & U. Sub-Commission, AC
(Attention Major R.A.Bell)
in care of Florence Province AMG

Declassified E.O. 12356 Section 3.3/NND No. 785019

MEMORANDUM RECEIPT

+ CREDIT + DEBIT + SLIP

+ Issued to:
+ Turned in by:

Place ..... Date .....

..... Property

(Name of supply branch)

Number	Stock Number	Articles
2		Truck K-56 Van Body W/PE-84 Power Unit USA Serial No.
		6021191
		6022020

Received the above-named articles.

4464

No.

Q.M.C. Form 487. Revised May 14 1931. + Strike out words not applicable.

A. C. - Nov. 1941

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C.
31 MAR 1945 203

Ref. E-1

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

EJR 3/4

21

16 March 1945

SUBJECT: Floating Power Plant for ITALY

TO : Headquarters, Allied Commission, APO 394
(Attn: Economic Section)

1. Reference the several conversations between officers of this Section and the Economic Section, AC.

2. AGWAR have advised that it may be necessary to utilize the Floating Power Plant, requisitioned for use in ITALY, in the Pacific Area to meet operational requirements. They have requested advice as to whether this headquarters recommends bringing the plant to ITALY, as scheduled, even if it must be diverted to the Pacific during the later part of 1945 or early 1946.

3. There follows a paraphrase of the reply to AGWAR made by the Chief Engineer and concurred in by the Asst. Chief of Staff G-4 and this Section:

"Based upon known planned demolitions of Electric Power facilities in Northern ITALY by the GERMANS and upon past experience of German demolitions it will be urgently necessary to have the 30,000 kilowatt floating power plant in ITALY for use in Northern area.

Plant is required for operational military needs in Northern ITALY.

During initial period Plant will be especially needed until rehabilitation of power plants can be accomplished in part. Therefore even though it may be necessary to withdraw the plant at end of present calendar year believed advisable that it be delivered here in accordance with present plans".

For the Assistant Chief of Staff, G-5:

4463

R.V.GRADY
Major, T.C.
Econ & Supply Div.

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C.
26 MAR 1945
203

20

MEMORANDUM RECEIPT

CREDIT DEBIT SLIP

Issued to: W.M. SPANN, Lt Col, Sp. Res.,
Regional Engineer, Emilia Region.

Place: Florence. date: 24 March 1945

Name of supply branch: Public Works and Utilities S/C,
HQ ALLIED COMMISSION, APO 394.

Number	Stock Number	Articles
1 Each	- 6021323	Truck K-56 Van Body W/PE - 84 Power Unit - USA Serial Nos.

Received the above-mentioned articles.

73 miles

for W.M. SPANN, Lt Col, Sp. Res.
Regional Engineer,
Emilia Region.

No. ---------- 4462

Note:- This is the original assigned to Eng. 5th Army A.M.G.

W.M.C. Form 487, Revised May 14 1931.
Stricke out words not applicable.

26/3/45.



Declassified E.O. 12356 Section 3.3/NND No. 785019

LWL/ac

Tel. 489081
Ext. 317

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

19

23 March 1945

Reference : 203/PWU

Subject : Portable power plant
K-56 Van Body - W/PE-84

To : REGIONAL COMMISSIONER LOMBARDIA REGION
(through Reg. Eng. - att. 1st Lt. John J.Lynch)

1) - Our records show that the following numbered unit was assigned to you : 6021362

2) - Attached is instruction book TM11-915, bearing corresponding number for this machine.

3) - This should be kept with the machine.

4467

By command of Rear Admiral STONE.

W. M. LAPPER
Lt-Colonel
Chief Elec. Div.

1 enclosure

Declassified E.O. 12356 Section 3.3/NND No. 785019

18

HEADQUARTERS, AMG EIGHTH ARMY REAR
Public Works & Utilities Division

19 March 1945

Ref : RLX/PU/02.10

Subject : Portable Power Plant K-56

To : Public Works & Utilities Sub-Commission
Allied Commission

12

1. Reference yours 203/PWU, dated 14 March 1945.

2. The machine signed for by me on 20 Feb 1945 is number 602170.

RECEIVED
P.W. & U. S/C A.C.
23 MAR 1945 203

Edgar H. Rogers
EDGAR H. ROGERS
Capt. C.E.

HEADQUARTERS
22MAR1945
A. C.

noted MHL

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U.S/C A.C.
20 MAR 1945 203

17

COPY

D/5397
MAR 18/1000
ROUTINE

FX 45276
MAR 17/1716A

AFHQ SIGNED MCNARNEY CITE: NAENG, NAGDS

EMBARK, INFO: ALCOM, ETOUSA, FENSOUTH.

RESTRICTED.

Items listed in Headquarters ASF letter, file SPLS-O and 4 (3 March 45), subject.

Approved program for civilian supplies (ASF Circular 363, 1944, dated 3 March 1945 are requested shipped as follows: Items 6 thru 10 during H period and items 11 thru 15 during J period marked MTTE-ENG-IV-TOC-SIF-U451 with green dots on crossed white tape. Basis is approved program Engineer Section, MTOUSA (ITALIAN AREA) I-19, Page 1 and under authority in CAL 931. This constitutes AC requisition MGS-216-ENG and MTOUSA requisition ENG IV-TOC-U451. Furnish landed costs to the ALLIED COMMISSION direct. 2500 is estimated ship tons.

6000 KW
Generating Plant.

53 refers
54 refers

DIST

Info-Action: REQUISITION DIV
Info: A/PRESIDENT
CHIEF COMMISSIONER
ECON SEC
FILE 2
FLOAT

4459

COPY

Lt Col Rippon
Engl 21/3

COPY

17A

HEADQUARTERS ARMY SERVICE FORCES
WASHINGTON 25, D.C.

SELLS CLA (3 Mar 45 — 3 March 1945

SUBJECT: Approved Program for Civilian Supplies (ASF Cir. 363, 1944).

TO : The Chief of Transportation (Attn: Colonel Marvin H. Dixon)
The Chief of Engineers (Attn: Major H.M. Roth)

You are authorized and directd to supply the materials listed below against requisitions submitted by the CG, Mediterranean Theater of Operations, U.S. Army, under the approved program for civilian supplies for the Mediterrancan Theater of Operations (Italian Area).

By command of Lieutenant General SOMERVELL:

B.G. SHINGLER,
Brigadier General, U.S.A.
Acting Director, International Division.

WILLIAM A. WHITFIELD,
Major, AUS,
Acting Chief, Civilian Supply Branch.

Distribution:
Addressees-
C of T (Int'l Div) (1)
C of T (Water Div) (1)
Ch/Engrs (5)
Dir, Dist Div, ASF (1)
G-4, MTOUSA (Air Mail) (2)
G-5 AFHQ (Air Mail) (2)
FHPKE (3)

4458

Engineers SECTION - MTOUSA (Italian Area) PART I-19 PAGE 1 (Theater will cite)

DESCRIPTION: Steam Driven Electric Generating Plant 6000 KW.

Item	(Tons)	(Cu Ft)	Requested Theater	Estimated Availability	CCAC Auth No

Declassified E.O. 12356 Section 3.3/NND No. 785019

You are authorized and directd to supply the materials listed below against requisitions submitted by the CG, Mediterranean Theater of Operations, U.S. Army, under the approved program for civilian supplies for the Mediterranean Theater of Operations (Italian Area).

By command of Lieutenant General SOMERVELL:

B.G. SHINGLER,
Brigadier General, U.S.A.
Acting Director, International Division.

WILLIAM A. WHITFIELD,
Major, AUS,
Acting Chief, Civilian Supply Branch.

Distribution:
Addressees-
C of T (Int'l Div) (1)
C of T (Water Div) (1)
Ch/Engrs (5)
Dir, Dist Div, ASF (1)
G-4 MTOUSA (Air Mail) (2)
G-5 AFHQ (Air Mail) (2)
NYPOE (3)

4158

Engineers SECTION - MTOUSA (Italian Area) PART I-19 PAGE 1 (Theater will cite)

DESCRIPTION: Steam Driven Electric Generating Plant 6000 KW.

Item No. (1)	Description (2)	(Tons) Est.Wt. (3)	(Cu Ft) Cube (4)	PHASING: Requested Theater Arrival (5)	Estimated Availability in U.S. (6)	CCAC Auth. to Theater (7)
6	Anchor bolts, structural steel Box No. 1800	150	6,000	Immed.	Mar-Apr 45	CAL 931.
7	Erection Tools and equipment Box No. 1900/1943 incl.	20	500	Same	Same	Same
8	Power cable, conduits and fittings. Box No. 905/906	9	500	Same	Same	Same
9	Structural steel (f.boiler) Box No. 1100/1103	40	2,000	Same	Same	Same
10	Electric grounding material	1	50	Same	Same	Same

COPY

Declassified E.O. 12356 Section 3.3/NND No. 785019

(CONT'D) 3 March 1945

Engineers SECTION - MTOUS (Italian Area) PART I-19 PAGE 2 (Theater will cite)

DESCRIPTION: Steam Driven Electric Generating Plant 6000 KW.

Item No.	Description	(Tons) Est. Wt.	(Cu Ft) Cube	PHASING: Requested Theater Arrival	Estimated Availability in U.S.	CCAC Auth. to Theater
(1)	(2)	(3)	(4)	(5)	(6)	(7)
11	Circulating Water piping and spray pond mat. and equip. Box No. 1705/1706	65	4,500	Immed.	May-June 45	CAL 931
12.	Steam generator and spares, Box No. 200/201. Deaerating heater and preheater, Box No. 504/505. Feedwater Evaporators and spares, Box No. 506/507. Filters, house service tank, tank float, house service pump and spares, Box No. 508/512 incl.	515	35,000	Same	Same	Same
13	Fire brick and tile Box No. 1600/1601	600	7,450	Same	Same	Same
14	Turbine Generator set, lifting slings, tools, spares, Box No. 700/712 Condensers, Carbon Tet. Box No. 800/804	300	22,000	Same	Same	Same
15.	Forced and Induced Draft Fans, Stack, Master and Furnace Draft Regulators & spares, Box No. 400/405 incl. Boiler feed pumps, feedwater, Box No. 500/503. Regulators, air pump, injector and spares, Box No. 513/514. Boiler meter panel, steam flow meter, gauges, thermometers and spares, Box No. 600/605 incl. Main condenser spares, condensate pump and spares, Box No. 805/808 incl.					

4457

Declassified E.O. 12356 Section 3.3/NND No. 785019

(1)	(2)	(3)	(4)	(5)	(6)	(7)
11	Circulating Water piping and spray pond mat. and equip. Box No. 1705/1706	65	4,500	Immed.	May-June 45	CAL 951
12	Steam generator and spares, Box No. 200/201. Deaerating heater and preheater, Box No. 504/505. Feedwater Evaporators and spares, Box No. 506/507. Filters, house service tank, tank float, house service pump and spares, Box No. 508/512 incl.	515	35,000	Same	Same	Same
13	Fire brick and tile Box No. 1600/1601	600	7,450	Same	Same	Same
14	Turbine Generator set, lifting slings, tools, spares, Box No. 700/712 Condensers, Carbon Tet. Box No. 800/804	300	22,000	Same	Same	Same
15	Forced and Induced Draft Fans, Stack, Master and Furnace Draft Regulators & spares, Box No. 400/405 incl. Boiler feed pumps, feedwater, Box No. 500/503. Regulators, air pump, injector and spares, Box No. 513/514. Boiler meter panel, steam flow meter, gauges, thermometers and spares, Box No. 600/605 incl. Main condenser spares, condensate pump and spares, Box No. 805/808 incl. Switchgear, panelboards, station service transformers and spares, Box No. 900/904. Fan motors, boiler feed pump motors, condensate pump motors, starters, push buttons and spares, Box No. 1000/1025. Piping systems, Box No. 1200 Chemicals, portasets, Box No. 1300/1300 incl. Lubricants and dispensers, oil purifier, Box No. 1312/1313 incl. 3750 KVA Transformer, disc. switches, spare fuses, hook stock, lighting arresters, etc. etc., Box No. 1400/1416 incl. Fuel oil burning equipment,- storage tanks and - piping, Box No. 1500/1510. (Cont'd)					

4457

Declassified E.O. 12356 Section 3.3/NND No. 785019

(CONT'D) 3 March 1945

Engineers SECTION - MTOUSA (Italian Area) PART I-19 PAGE 3 (Theater will cite)

DESCRIPTION: Steam Driven Electric, Generating Plant 6000 KW.

Item No.	Description	(Tons) Est. Wt.	(Cu Ft) Cube	PHASING Requested Theater Arrival	PHASING Estimated Availability in U.S.	CCAC Auth. to Theater
(1)	(2)	(3)	(4)	(5)	(6)	(7)
15**	(Cont'd)					
	Circulating pumps and motors, including pushbuttons, starters and spares, Box No. 1700/1704					
	Exciter field coils, transformer oil filter press w/electric oven, 2 reams filter paper and two rolls gasket material, Box No. 1939/1941 incl.					
	TOTAL FOR ITEM No. 15	300	22,000	Immed.	May-June 45	CAL 931
	TOTAL FOR ENTIRE LOT	2000	100,000			

* May be devided into two lots for shipment.

** May be divided into two or three lots for shipment, due to different availability of items.

General Comments:

Items 6 through 15, as indicated above, are under procurement by the Chief of Engineers, Requisition EP-90355, PO-A-49-5993-27.

It is understood that the following items are available and will be issued from U.S. stocks in the theater under CCAC(S)8/6 procedure and will be accounted for as theater issues for civilian use:

Item	Description	Est. Wt.
1	Engineering and construction layout equipment and tools plus complete sets of structural and foundation drawings for building, including the spray pond	4456
2	All construction tools and equipment.	
	[illegible] - scaffold - forms - and other lumber	

Declassified E.O. 12356 Section 3.3/NND No. 785019

15** (Cont'd)

Circulating pumps and motors, including pushbuttons, starters and spares, Box No. 1700/1704					
Exciter field coils, transformer oil filter press w/electric oven, 2 reams filter paper and two rolls gasket material, Box No. 1939/1941 incl.					
TOTAL FOR ITEM No. 15	300	22,000	Immed.	May-June 45	CAL 931
TOTAL FOR ENTIRE LOT	2000	100,000			

* May be devided into two lots for shipment.
** May be divided into two or three lots for shipment, due to different availability of items.

General Comments:

Items 6 through 15, as indicated above, are under procurement by the Chief of Engineers, Requisition EP-90355, PO-A-49-5993-27.

It is understood that the following items are available and will be issued from U.S. stocks in the theater under CCAC(S)8/6 procedure and will be accounted for as theater issues for Civilian use:

Item	Description	Est. Wt.
1	Engineering and construction layout equipment and tools plus complete sets of structural and foundation drawings for building, including the spray pond	4456
2	All construction tools and equipment.	
3	Sheeting - scaffold - form - and other lumber	
4	Sand, stone, cement, lime, etc. All above as per letter dated 6 Feb 45 from the Chief of Engineers to AFHQ, attention: Engineers Section.	
5	Reinforcing steel	55 tons

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

16

CONFIDENTIAL

RECEIVED
P.W. & U. S/C A.C.
21 MAR 1945 203

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

Ref. E-1

19 March 1945

SUBJECT: Requisition MGS-216-ENG. Electrical Power Generating Plants.

TO : Headquarters, Allied Commission, APO 394
(Attn: Economic Section)

1. Forwarded herewith is Hqts ASF letter SPILLS 014 of 3 March 1945. Subject: Approved Program for Civilian Supplies.

2. This letter indicates the availability of a 6000 KW steam driven electric generating plant against MGS-216-ENG. Items 6 through 15 have been called forward by cable FX 45276 of 17 March 1945, repeated to ALCOM.

3. With reference to items 1 through 5, listed on page 3 of ASF letter, we have interpreted para 4 of AC letter 203/PWU of 7 March to mean that these items are available through AC sources without demands being placed in Military Supply Channels. Will you please confirm this understanding.

4. If this interpretation is not correct, it is essential that a Form 400 be submitted showing:

a. Total estimated requirement of tools and construction material.

b. Supplies to be furnished by AC.

c. Supplies to be requisitioned through this section.

5. The letter from the Chief Engineer dated 6 February 1945 and referred to under item 4 was forwarded to AC with our letter E-1 of 20 February 1945.

For the Assistant Chief of Staff, G-5:

D. E. LATHROPE,
1st Lieut., C.A.C.,
Economics & Supply.

Incl:

ASF ltr as above.

CONFIDENTIAL

Declassified E.O. 12356 Section 3.3/NND No. 785019

RECEIVED
P.W. & U. S/C A.C.
19 MAR 1945 203

SECRET

15

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

Ref. I-1

16 March 1945

SUBJECT: Floating Power Plant for ITALY

TO : Headquarters, Allied Commission, APO 394
(Attn: Economic Section)

1. Reference the several conversations between officers of this Section and the Economic Section, AC.

2. AGWAR have advised that it may be necessary to utilize the Floating Power Plant, requisitioned for use in ITALY, in the Pacific Area to meet operational requirements. They have requested advice as to whether this headquarters recommends bringing the plant to ITALY, as scheduled, even if it must be diverted to the Pacific during the later part of 1945 or early 1946.

3. There follows a paraphrase of the reply to AGWAR made by the Chief Engineer and concurred in by the Asst. Chief of Staff G-4 and this Section:

"Based upon known planned demolitions of Electric Power facilities in Northern ITALY by the GERMANS and upon past experience of German demolitions it will be urgently necessary to have the 30,000 kilowatt floating power plant in ITALY for use in Northern area.

Plant is required for operational military needs in Northern ITALY.

During initial period Plant will be especially needed until rehabilitation of power plants can be accomplished in part. Therefore even though it may be necessary to withdraw the plant at end of present calendar year believed advisable that it be delivered here in accordance with present plans".

For the Assistant Chief of Staff, G-5:

Lt Col Hopper Ref 6

The above is interesting. We never seem to stay put.
Ref 19/3

R.V. GRADY
Major, T.C.
Econ & Supply Div.

SECRET

Declassified E.O. 12356 Section 3.3/NND No. 785019

HEADQUARTERS ALLIED COMMISSION
Public Works and Utilities Sub-Commission
APO 394

SECRET

Sub 203

15 March 1945

Subject : Notes of Meeting to discuss Immediate Electric Power Needs - North Italy.

1. Present at a meeting in Lt.Col. W.M. Lapper's office at 1400 hours on 14 March 1945 to discuss the immediate electric power needs of North Italy were the following:

Mr. James S. Heizer	- Agriculture Sub-Commission
Lt. D.C. Berlizi	- Food Sub-Commission
Maj. W.E. Mydans	- Industry Sub-Commission
Col. L.A. Jenny Lt.Col. W.M. Lapper Lt.Col. G.F. Parker Major E.J. Barry Major L.W. Laughlin Major V.S. Renton Major H.J. Rossen	- Public Works and Utilities S/C
Major Duthie	- Transportation Sub-Commission Movements Rail
Lt. R.C. Bowie	- Transportation Sub-Commission Rail

2. Col. Lapper stated that the purpose of the meeting was to ask the assistance of the other Sub-Commissions in determining the electricity requirements of Northern Italy immediately following Allied occupation. He explained the tabulation entitled "Estimation of Electrical Situation Northern Italy" copies of which were given to those present. He emphasized that the minimum

Declassified E.O. 12356 Section 3.3/NND No. 785019

requirements for military and civilian needs covers only the barest of civilian requirements such as water pumping and does not include flour mills. He said that the consensus of opinion is that the biggest task in the early rehabilitation of electric facilities will be the repair of high tension transmission lines and that some switch gear has been ordered through military sources for this purpose. Col. Lapper then called upon a representative of each Sub-Commission to discuss probable electricity needs. He asked that electricity requirements be given on a monthly basis, and by province whenever possible. Summaries of the discussion follow:

(a) Agriculture. Aside from electricity needed for food processing, the most urgent requirement will probably be power for bonificas. Mr. Heizer said that the removal of water from bonificas concerns industry and public health as well as agriculture. He will prepare data within a short time showing the estimated electrical requirements of North Italy for agricultural purpose.

(b) Food. Lt. Berizzi was able to discuss the electricity needs on the basis of food tonnages needed and he will be able to convert this to electricity requirements. He added that in the

Declassified E.O. 12356 Section 3.3/NND No. 785019

first stages of liberation it will be possible to use tractors to operate small mills but that it is hoped to have certain large mills in service at the end of two months. Whether electricity is needed by these facilities depends upon their condition. He added that for the first two months it is not planned to mill any flour in Liguria, that sufficient flour will be on hand during that period.

(c) Rails. Lt. Bowie stated that the requirements of electric railways in the north will depend upon the type of occupation and that it is therefore uncertain whether the Allied Commission or the Military Railway Service will be the agency bidding for power. It was brought out that some electric locomotives do exist now and might be available for northern service. The requirements of rail shops in the north for electric power will depend upon the condition of the shops. Lt. Bowie preferred to study the situation rather than make an immediate estimate of the shop requirements. Col. Lapper pointed out that this figure is important because of the high priority of rail shops.

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(d) Industry. Major Mydans stated that it is difficult to estimate the requirements of Northern Italy industry because of the varied past experience in Italy. Major Mydans did say that there will be many urgent requirements for electricity in the north and mentioned plants in Milano, Torino and Venezia. He expressed the belief that Northern Italian industry will be able to absorb all power made available to it, stating that it will be able to use one half of the normal requirement in six months.

3. Following the discussion by the Sub-Commission representatives, Col. Lapper pointed out that once the immediate electricity needs of the north are known, data will be available to show the advisability of ordering portable electric generating equipment. He pointed out that up to now, no such equipment has been available.

4. Col. Lapper stated within a few days he would call another meeting of the interested Sub-Commission, at which time detailed needs for power will be discussed.

W.M. LAPPER
Lt.Colonel,
Chief Electrical Div.

Distribution:

Agriculture S/C
Food S/C
Industry S/C
Transportation S/C

Col. Lapper
Maj. Barry
Maj. Price
Maj. Renton
Col. Parker.

4459

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S E C R E T

ESTIMATION OF ELECTRICAL SITUATION

NORTHERN ITALY

Regions	Installed Capacity KW	Estimated amt. of elec. energy avail. within 1 mon. after lib.			Min. Req. for Mil.& Civ. needs	Bal. ava for othe needs
		Installed Cap. prot. by Pat.	1% Rehab. of orig. cap.	Total		
(1)	(2)	KW (3)	KW (4)	KW (5)	KW (6)	KW (7)
Piemonte	1,388,780	178,925	13,887	192,812	65,400	
Lombardia	1,236,597	5,415	12,365	17,780	130,800	
Venezia	1,222,811	268,970	12,228	281,198	129,000	
Emilia	226,181	45,280	2,261	47,541		
Liguria	61,955	8,500	619	9,119	21,800	
Total	4,136,324	507,090	41,360	548,450	347,000	201,450

65777

Declassified E.O. 12356 Section 3.3/NND No. 785019

S E C R E T

ESTIMATION OF ELECTRICAL SITUATION

NORTHERN ITALY

Installed Capacity KW (2)	Estimated amt. of elec. energy avail. within 1 mon. after lib.			Min. Req. for Mil.& Civ. needs KW (6)	Bal. avail. for other needs KW (7)	Est. amount of elec. energy avail. within 6 mos. after lib. Col.(5) plus 10% Col. (2) KW (8)
	Installed Cap. prot. by Pat. KW (3)	1% Rehab. of orig. cap. KW (4)	Total KW (5)			
1,388,780	178,925	13,887	192,812	65,400		331,690
1,236,597	5,415	12,365	17,780	130,800		141,439
1,222,811	268,970	12,228	281,198	129,000		393,479
226,181	45,280	2,261	47,541			70,159
61,955	8,500	619	9,119	21,800		15,314
4,136,324	507,090	41,360	548,450	347,000	201,450	962,081

6477

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 489081
Ext. 317

HEADQUARTERS ALLIED COMMISSION
Public Works and Utilities Sub-Commission
APO 394

LWL/ac

13

Reference : 203/PWU

14 March 1945

Subject : Portable Power Plant
K-56 Van Body W/PE-84

To : Co. T. 2675 Reg't Allied Commission APO 394
(Attention Capt. Thomas R.Swisher, C of E.)

1) - Our records show that the following numbered unit was assigned to you :

6022337

2) - Attached is instruction book TMII-95, bearing corresponding number for this machine.

3) - This should be kept with the machine.

for W.M.LAPPER
Lt-Colonel
Chief Elec. Div.

1 enclosure

18 refers

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 489081
Ext. - 317

HEADQUARTERS ALLIED COMMISSION
Public Works and Utilities Sub-Commission
APO 394

LWL/ac

12

Reference : 203/PWU

14 March 1945

Subject : Portable Power Plant
K-56 Van Body W/PE-84

To : REGIONAL COMMISSIONER EMILIA REGION
(Attention Regional Engineer)

1) - Our records show that the following numbered unit was assigned and delivered to you :

6021704

2) - Attached is instruction book TMII-95, bearing the corresponding number for this machine.

3) - This book should be kept with the machine.

4) - Our files show an M.R. dated 31 Jan. 45 from 1st Lt. John J.Lynch transportation officer Reg. XI and an M.R. dated 20 February 45 from Capt. E.H.Rogers both covering the same numbered machine.

5) - Please make a check of the number on the machine which you have and let us know.

6) - If the number is different than above please change the number shown in ink on the attached book to the correct number and retain the book.

By command of Rear Admiral STONE,

W.M.LAPPER
Lt-Colonel
Chief Elec.Div.

4447

1 enclosure

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel. 489081
Ext. 317

HEADQUARTERS ALLIED COMMISSION
Public Works and Utilities Sub-Commission
APO 394

LWI/ac

9 March 1945

Reference : 203/PWU

Subject : Portable Power Plant
K-56 Van Body W/FE-84

To : RSO 2675th REGIMENT, A.C.
(Attn Capt. A.M. Mc Phail)

1) - Our records show that the following numbered unit was assigned to you :

6022389

2) - Attached is instruction book TMI-95, bearing corresponding number for this machine.

3) - This should be kept with the machine.

W.M. LAPPER
Lt-Colonel
Chief Elec.Div.

cc : Major Craig S-4, AC
Lwis Viarenzo CWO

Tour to U.K. by Lieut. Colonel A.W. PAGE, MBE, RE.

As arranged a visit was made to the War Office in order to substantiate our claim for a proportion of the CEB Emergency Sub Station equipment. The demand was routed through Director of Engineer Stores (Brig PRITCHARD), who was contacted, and our appreciation on the electrical supply N. Italy was submitted in order that the seriousness of the position in N Italy could be more clearly understood by War Office. The DES concurred with our request, so long as it was clearly understood that this equipment remained the property of the W.D., and also that it would be used as a temporary expedient only and moved forward as the Army progressed. He backed the case with a letter to Major General UMAN, Deputy Engineer-in-Chief, whose backing was also obtained with an added promise that he would personally see that it would pass through all the necessary Branches. The CA's Branch concurrence was also sought and obtained. G-5 of SHAEF was informed of our request and raised no objection. The Finance Section of War Office, however, claimed our case had a strong civil element and were not prepared to back it in the first instance. The case was then raised to Director General level and with the aid of the Engineer-in-Chief and the Director of Works our claim was acknowledged, which fact has since been confirmed.

Appendix I gives a detailed list of the equipment ordered. In conjunction with the Ministry of Supply (Mr SAMWAYS, Director of Electrical Supplies), the CEB (Mr LONGBOTTOM), and CA 16 (Lt. Col. COTTON) a visit was arranged to one of the CEB Stores, and all the equipment that we required inspected. Full details of the method of erection, man hours required to carry out the work, and type of packing necessitated was looked into, and full details have been brought back to this theatre and a brochure is being prepared for distribution down to E & M Coys., prior to cadres being formed to train detachments in its erection and maintenance. Briefly, the manhours required to erect the heaviest set is not more than 90, and the complete job has been carried out by 2 men in England, but as these men are exceptionally well trained it is more than likely that a body of 6 men would be required in this theatre to carry out the work in the same time. The brochure being prepared will also be distributed to all interested parties.

A further visit was made to Mr SAMWAYS' department in order to obtain information on the 2500 KW Steam Sets (generating at 50 cycles). These are transportable and manufactured in sections weighing not more than 20 tons per piece, and awkward pieces are skid mounted. Copy of this specification is attached at Appendix II. (It should be noted that the frequency can not be modified). Should these sets be required they should be requisitioned through GS channels as they are being manufactured for UNRRA.

It is interesting to note that 85 No similar Sets have been manuf-

Declassified E.O. 12356 Section 3.3/NND No. 785019

equipment remained the property of the W.D., and also that it would be used as a temporary expedient only and moved forward as the Army progressed. He backed the case with a letter to Major General [illegible], Deputy Engineer-in-Chief, whose backing was also obtained with an added promise that he would personally see that it would pass through all the necessary Branches. The CA's Branch concurrence was also sought and obtained. G-5 of SHAEF was informed of our request and raised no objection. The Finance Section of War Office, however, claimed our case had a strong civil element and were not prepared to back it in the first instance. The case was then raised to Director General level and with the aid of the Engineer-in-Chief and the Director of Works our claim was acknowledged, which fact has since been confirmed.

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A further visit was made to Mr SAMWAYS' department in order to obtain information on the 2500 KW Steam Sets (generating at 50 cycles). These are transportable and manufactured in sections weighing not more than 20 tons per piece, and awkward pieces are skid mounted. Copy of this specification is attached at Appendix II. (It should be noted that the frequency can not be modified). Should these sets be required they should be requisitioned through GS channels as they are being manufactured for UNRRA.

It is interesting to note that 85 No similar Sets have been manufactured and supplied to Russia.

The delivery time for the first 2 sets is dated in early June 45

Drawings are available in the D.W. Office.

Further to a demand being made on the UK for a number of 127 KVA Generating Sets, a conference was held with DES and the Ministry of Supply with a view to taking over a RAF Contract covering 12 - 135 Diesel Generating Sets, generating at 400v 3-phase, 50 cycles. This change over of contracts was accepted in principle, and further discussions were held in connection with certain modifications which were considered necessary. This involved changing the generated voltage to be either 220 or 260, 3 phase, 4 wire 42 cycles. The Diesel manufacturers were visited and agreed that the speed could be reduced from 600 to 504. The alternator manufacturers were visited and agreed that the modifications could be carried out to suit the voltage ratings required. All 12 sets could be completely modified in 16 weeks, the first 2 sets being ready for delivery in the early part of April. Full specifications are attached at Appendix III.

A.W. PAGE,
Lt. Col. RE,
A.D.W. (E & M).

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Declassified E.O. 12356 Section 3.3/NND No. 785019

COPY

SUPPLEMENTARY

APPENDIX 1

ARMY FORM K3596 (pads of 50).

FORMATION MGRE AFHQ — **DEMAND FOR ENGINEER STORES.** — SHEET 1 OF 2

Delivery Required by	Purpose for which Stores are required	Goods to be consigned to	Advices to	Demand No.	Originating Officer
As soon as possible	Electric supply Northern Italy.	ESD ANCONA	Supp/ MGRE AFHQ, CMF DW HQ, AAI, CMF	258	
Vocab. Section: E - E.P. for I				Date: 3 Dec 44	

ITEM NO.	DESCRIPTION	UNIT	UNIT WT. LBS.	QUANTITY	FOR USE BY HIGHER FORMATION: STOCK	ON DEMAND	DEPOT FOR ISSUE	BALANCE REQUIRED	REMARKS
NIV	**Circuit Breakers:-**								STORES TO BE MARKED:- S/D.258 6" BROWN TRIANGLE
	KV. Rupturing Capacity M.V.A. / Current Rating Amps								
	O/H Line Type								
	11 250 800	No.		10					
	11 500 1200	No.		10					
	33 500 800	No.		20					
	66 750 800	No.		10					
	Cable Type								
	33 500 800	No.		10					
	66 750 800	No.		5					
NIV	**Tripping Batteries:-** for 11 KV & 33 KV Switchgear (13 V.)	No.		20					
	for 66 KV Switchgear (36 V)	No.		5					
NIV	**Voltage Synchronising Units:**								
	11/6.6 KV	No.		10					
	33/22 KV	No.		5					
	66 KV	No.		5					
	4444								

(17499D) Wt 26861/1746 2500 Pads 9/42 H J R & L Gp 745/6

Declassified E.O. 12356 Section 3.3/NND No. 785019

SUPPLEMENTARY

ARMY FORM K3596 (pads of 50).

FORMATION MGRE AFHQ — DEMAND FOR ENGINEER STORES. — SHEET 2 OF 2

Delivery Required by	Purpose for which Stores are required	Goods to be consigned to	Advices to	Demand No.	Originating Officer
As soon as possible Vocab. Section E - EP for I (contd)	Electric supply, Northern Italy	ESD ANCONA	Supp/ MGRE AFHQ, CMF DW HQ AAI, CMF	258 Date 3 Dec 44	

ITEM NO.	DESCRIPTION	UNIT	UNIT WT. LBS.	QUANTITY	FOR USE BY HIGHER FORMATION: STOCK	ON DEMAND	DEPOT FOR ISSUE	BALANCE REQUIRED	REMARKS
NIV	Ancillary Transformers 130 KVA								
	11/6.6 KV/400 V.	No.		10					STORES TO BE MARKED:-
	33/22 KV/400 V.	No.		15					
	66 KV/400 V.	No.		5					S/D. 258 6" BROWN TRIANGLE.
NIV	Potential Transformers:								
	11/6.6 KV/110 V.	No.		10					
	33/22 KV/110 V.	No.		15					
	66 KV/110 V.	No.		10					

(sgd) A. NIXON,
Lt.-Col., R.E.,
for M.G.R.E.

TO:- DIRECTOR OF ENGINEER STORES (E.5),
The War Office,
Romney House,
Marsham Street, LONDON, S.W.1.

COPY TO: DW HQ AAI.
File ENG/3586

1 Copy by Air (1st)
1 " " " (2nd)

4413

(17490D) Wt 26661/1746 2500 Pads 9/42 H J R & L Gp 745/8

Declassified E.O. 12356 Section 3.3/NND No. 785019

APPENDIX II.

AE/PF.

11th May 1944.

MINISTRY OF SUPPLY.

SPECIFICATION R.B.2.

of

"TRANSPORTABLE" BOILER PLANT

for

RELIEF

BOILERS TO STEAM 2,500 K.W. TURBO ALTERNATORS.
2,500

Declassified E.O. 12356 Section 3.3/NND No. 785019

G E N E R A L.

This Specification covers the design, manufacture and delivery ex Baker's Works of complete "Transportable" type Boiler Units to work in conjunction with £,500 K.W. Turbo Alternators.

The term "Transportable" means that the Units are to be suitable for easily transporting by road or rail from one site to another, but the Boiler Units will not be operated on trucks or trailers.

Technical particulars forming the basis of this Specification are as follows:-

Steam required at turbine stop valve at maximum continuous rating ...	33,000 lbs/hr.
Steam pressure at turbine stop valve	370 lbs.per sq. inch. 26 atm. gauge.
Steam temperature at turbine stop valve	675°F. 357°C.
Feed water temperature...	180°F. 71°C.

FUELS.

Bunker 'C' Fuel Oil having a calorific value of...	18,500 B.Th.U's/lb 10,250 K/Cals.per kilo.

COAL.

COAL A.

Volatile matter	on the dry basis	27%
Ash		5/6%
Moisture	... ...	7%
Nett calorific value as fired..	...	13,000 B.Th.U's/lb 7,250 K/Cals.per kilo.

Sizing: Up to 25% through 3 m/m.

COAL B.

Volatile matter	on the dry basis	15/16%
Ash		15%
Moisture	... ...	8%
Nett calorific value as fired..	...	12,000 B.Th.U's/lb 6,700 K/Cals per kilo.

1 2 3 4

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Sizing: Up to 40% through 3 m/m and
Up to 80% through 1 m/m

Coal of non-caking quality.

COAL C.

Volatile matter)	on the dry	12/14%
Ash	basis ...	15/20%
Moisture ...	...	10%
Nett calorific value as fired...		10,800 B.Th.U's/lb.
		6,000 K/Cals.per kilo

Sizing: Up to 60% through 3 m/m and
Up to 25% through 1 m/m

Coal of non-caking quality.

Of the total number of Units required some to be arranged for Oil Firing only and some to be arranged for both Coal and Oil Firing.

Altitude	Not to exceed 1000 ft. above sea level.
Electric supply for auxiliaries.	3 phase, 50 cycles, 400/440 volts.

Above sea-level (feet)

Bologna	180
Parma	170
Piacenza	300
Brescia	490
Milano	400
Torino	780
Padova	39
Verona	195

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BOILERS.

Each Boiler to be of the Water Tube type, designed to conform with British Standard Specification 1113:1943.

Dimensions and weight limits.

The overall dimensions of the plant to comply with the limits imposed by the Berne Main Line Structure Gauge. In the case of 10 Boilers, the complete Boiler to pass the Structure Gauge when provided with rail ends. It is essential that all Boilers be designed so that they can be dismantled into sections not exceeding 25 tons, each such heavy lift being provided with substantial skids or a framework to assist in loading and unloading. All such sections or heavy lifts to pass the Berne Main Line Structure Gauge on a truck 2'7½" high. The maximum weight of any one lift exclusive of truck to be 25 tons.

In order to comply both with the dimensional and weight limits it can be assumed that two or more trucks will be available for the transport of the Boiler Unit and other auxiliary equipment included in the Boiler Contract, and as set out in this Specification.

DRUMS.

The Drums to be of Class I Fusion Welded construction; alternatively of Riveted design; alternatively to be constructed as solid forgings with pressed ends riveted in: all Drums to be provided with at least one manhole and with the necessary mild steel standpipes faced and drilled for mountings.

INTERNAL FITTINGS.

The Boiler Steam and Water Drums to be complete with all necessary internal plate baffles, feed trays etc.

TUBES.

All tubes to be seamless hot drawn of best quality to B.S.S.512, expanded into bored holes in the drum shells and/or headers.

SUPERHEATER.

The Superheater to be of the Integral type, designed to meet the specified conditions with one only of the specified fuels, consisting of groups of elements manufactured from hot drawn seamless steel tubing.

Headers to be manufactured from seamless hot rolled mild steel tubing and to be complete with branches for safety valves, drains, thermometers, etc.

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SOOT BLOWERS.

Each Boiler Unit to be provided with a set of Soot Blowing Equipment for cleaning the Boiler, Superheater and Economiser. (If Manufacturers consider the provision of Soot Blowing Equipment for Units arranged for Oil Firing only is unnecessary, they are free to omit this item.

SUPPORTING STRUCTURE.

Each Steam Raising Unit to be supported by means of rolled steel sections. In the case of/Boilers arranged for Oil Firing only the framework to be so designed as to form the well of a rail/truck and to be suitable for receiving end pieces/ attached to road or rail bogies: these end pieces and bogies are not included in this contract.

In the case of the five Marine type Boilers designed for operating in unprotected waters as well as the Boilers arranged for Coal Firing, provision for the fitting of such truck ends and bogies need not be made and the Boiler framework can therefore be designed to provide the best furnace arrangement within the limits imposed by the Berne Main Line Construction Gauge.

CASINGS.

Each Boiler to be provided with complete steel casings constructed from mild steel plates suitably stiffened where necessary to prevent buckling, and to be complete with observation and access doors.

FURNACE.

The combustion chamber to be entirely water cooled or to be a combination of water cooling and refractory walls as recommended by the Manufacturers, with a view to obtaining the optimum results with the specified fuels.

BRICKWORK AND LAGGING.

Brickwork to be reduced to a minimum consistent with obtaining satisfactory combustion conditions: any brickwork required/to be supplied. Any refractory arches required to be of the flat suspended type.

Insulation of casings, drums and internal piping also to be provided, and wherever possible should be of the sectional type to facilitate erection, removal and re-erection.

VALVES AND FITTINGS.

Each Boiler Unit to be provided with:-

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One Main Steam Stop Valve.
Safety Valves.
Blow-down and Drain Valves.
Pressure Gauges.
Two Sets of Water Gauge Fittings.
High and Low Water Level Alarm.
Automatic Feed Water Regulator.
Feed Check Valves.
Feed Regulating Valves.
Magnifying Thermometer on superheater outlet.
Air Valves } (if required)
Soot Blower Valves }
Together with all the necessary interconnecting-piping, bolts and jointing materials.

ECONOMISER.

An Economiser to be provided with each Boiler Unit designed to conform with British Standard Specification and to be complete with all tubes, headers, casings, doors, framework and insulation.

If necessary supporting structure to be supplied to enable the Economiser to operate when positioned relative to the Boiler as when mounted on the bogie end of the road or rail truck.

MECHANICAL STOKERS.

The Boiler Units arranged for burning coal each to be fitted with a Mechanical Stoker. This Stoker shall be of such design and of size suitable for obtaining the full evaporation when burning Coal A. When burning Coal B if necessary a slightly smaller evaporation than that specified will be acceptable. In the case of Coal C it is recognised that a smaller evaporation than when using coal B may be the maximum obtainable. Manufacturers should however state the evaporations they consider it possible to obtain with both class B and class C Coals.

Each Mechanical Stoker to be complete with the necessary operating gear and motor with starter.

The Stoker to be provided with a coal hopper of large capacity and for filling the hooper a Thompson or Parker Electrically driven Portable Coal Conveyor to be supplied.

OIL BURNING EQUIPMENT.

The Oil Firing Equipment to be of the type and design recommended by the Manufacturers and should be of the Wallsend Slipway & Engineering Co.Ltd. manufacture, or other equal and approved.

1 2 3 8

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In addition to the Oil Burners, all the necessary air control equipment, piping and valves, pumps and heating equipment, if required, to be supplied.

An Oil Service Tank of capacity equivalent to 24 hours steaming to be supplied and to be of the sectionalised design for ease in transport.

A suitable Pump to transfer the fuel oil from the rail tank wagons to the service tank also to be included, together with 100 ft. of flexible hose.

In the case of the Boiler Units arranged for firing both Coal and Oil the full evaporation to be obtainable with Oil only and for such operating conditions the Stoker can, if necessary, be withdrawn, i.e. rapid conversion from oil to coal is not necessary.

The Oil Firing Equipment must, however, also be suitable for use in conjunction with the Stokers, so that when burning inferior coals the full evaporation may be obtainable with the assistance of oil.

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DRAUGHT PLANT.

FANS AND MOTORS.

Each Boiler Unit to be provided with Induced Draught Fan and Forced Draught Fan mounted on extended bedplates arranged to carry the driving motors; the fans to be fitted with the necessary regulating dampers.

CHIMNEY.

Each Boiler Unit to have its own self-supporting steel chimney of sectional construction designed in such a manner that the plates can be nested to facilitate transport. If possible the height of the chimney should not exceed approximately 50 ft.

FLUES AND DUCTS.

All air ducting and gas flues to be constructed of mild steel plate suitably stiffened, and to be supplied as a component part of the Draught Plant. Where necessary the flues to be protected with suitable insulating material.

INSTRUMENTS.

The following to be provided for each Boiler Unit:-

1 - Multi-point Draught Gauge.

1 - Temperature Indicator.

The necessary Indicator Pressure Gauges.

All complete with the necessary connections.

FEED PUMPS AND PIPING.

FEED PUMPS.

Each Boiler to be provided with one turbine driven boiler feed pump and one electrically driven pump, each of sufficient capacity to be easily capable of feeding the Boiler operating at maximum load. The electrically driven pump will normally be in operation, the steam pump to be held in reserve. The exhaust steam from the turbine to be carried to the main turbine condenser and the necessary piping to be provided.

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FEED PUMPS AND PIPING (cont'd)

PIPING

Main Steam: All main steam piping between the Superheater Outlet and the Turbine Stop Valve including one steam separator.

Auxiliary Steam: Auxiliary steam piping for Feed Pumps, Water Treatment Plant and any other Boiler Plant Auxiliaries requiring steam.

Feed Piping: Feed delivery piping from Feed Pump Discharge to Boilers and economisers, Feed Suction and Condensate Service between Turbine Feed Heater and Pumps, also connections to and from Water Treatment Plant.

Blow-down & Drains: Suitable short lengths of blow-down drain piping to a common point in close proximity to the Boiler Unit.

Exhaust Piping: Short lengths of Safety Valve Escape Piping.

All piping to conform to British Standard Specification and all steam joints to be either flanged or butt-welded. All the necessary high pressure hand operated steam and water valves and low pressure valves for the piping systems to be included together with steam traps where necessary, pipe supports, lagging, bolts, nuts and jointing material.

Water Service: Water Piping with suitable cistern for water-cooled bearings of fans. Raw Water Tank of suitable capacity together with pump designed for a liberal head to be supplied.

LADDERS

Any ladders and platforms necessary for the operation of the plant to be supplied.

WATER TREATMENT PLANT

The following plant to be provided :-

A. Evaporator

B. Water Conditioning Equipment.

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WATER TREATMENT PLANT (Cont'd)

The Evaporator to have sufficient capacity to handle approximately ~~Extsxx~~ 1600 lbs. per hour make up and to be suitable for dealing with sea water.

If the Manufacturer recommends the provision of Feed Conditioning Plant in addition to the Evaporator such plant should be included and details thereof provided; this to incorporate all the necessary Feed Tanks with supports.

Provision for de-aeration will be made in the Turbine Plant so that the maximum oxygen content in the feed water will be 0.05 cc per litre.

G E N E R A L.

STARTING UP.

A maximum of 10 kilowatts of electrical energy will be available for starting up the Boiler and Turbine Installations of each plant by means of an Engine set provided under a separate contract. It must, however, be possible to start up the Oil Firing Equipment by hand.

INSPECTION.

Inspection of pressure parts to be carried out by Lloyds. Overall Tests and inspection may be undertaken by C.I.S.M.E. details of which will be provided later.

ERECTION.

No cranes or other special lifting gear will be available at site, but jacks can be used. The Boilers will be erected either on flat concrete rafts or on timber baulks, alternatively on barges and must, therefore, be suitable for operating afloat in protected harbours etc. Five Boilers to be of the full Marine type suitable for operation in unprotected waters. The five Coal Fired Boilers need not be suitable for barge mounting.

The design of the Boiler to be such as to involve no tube expanding at site. If tube expanding on site is absolutely necessary this must be reduced to an absolute minimum. It is desired that the plant should be ready for service, if possible, within 10/14 days after arrival at the site of operation.

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GENERAL (Contd)

ELECTRICAL EQUIPMENT.

The whole of the electrical equipment to be of the Weather-proof type.

No Boilerhouse building will be provided, but a limited degree of protection from the weather will be available in some form such as temporary sheeting or tarpaulins, and provision for this in the design of the plant should, therefore, be made accordingly.

Exclusions

EXCLUSIONS:

The following items are excluded:-

All cables, trucks for transport, Oil Storage Plant, foundations or other civil work, Ash Plant and Coal Breaker. Protective sheeting and tarpaulins: special truck ends and bogies.

DRAWINGS.

Two sets of drawings to be despatched with each Boiler Unit and a total of three sets of drawings to be supplied to the Ministry of Supply Directorate of Electricity Supplies.

The whole of the plant to comply with the latest relative British Standard Specifications, and where no such Specification exists then the sectional part concerned to be in accordance with best current British practice.

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IVR/DE

May 23, 1944

MINISTRY OF SUPPLY
Transportable Turbo-Alternator Plant for Relief

R.T.S. 2 F
Basic Specification for 2,500 kW. Units

1. Type of Plant — The steam turbine may be direct coupled to a turbo type alternator and be connected to a condenser of the surface type; or it may be geared, in which case the steam turbine is to be coupled to a pinion of speed reduction gearing to the wheel of which the alternator is to be coupled; and it is to be connected to a condenser of the surface type.

The plant is to be of robust commercial design capable of running satisfactorily for a normal life. It is to be in accordance with the manufacturer's standard practice and with BSS.132/1930 as regards turbine, BSS.225/1925 as regards the direct coupled alternator or BSS.226/1925 as regards the geared alternator and any other relevant standard Specifications, which Specifications are deemed to be incorporated in this specification. When no relevant BSS. Specification exists the plant shall be in accordance with the latest British practice.

2. Rating — The complete combination consisting of turbine, alternator and condenser is to be capable of developing by means of automatic overload valve(s) a nett continuous maximum output of 2500 kW. measured at the terminals of the alternator; and the most economical rating for the turbine is to be 80% of its continuous maximum rating.

3. Normal Operating Conditions

Steam pressure at turbine stop valve: 26 metric atmospheres gauge (27 " " absolute
1 metric atmosphere = 14.22 lbs. per sq. in. and 26 atmospheres gauge = 370 lbs.per sq.in.gauge)

Temperature of steam at turbine stop valve 357 degs.C

Vacuum at turbine exhaust flange at 80% of C.M.R. (760 mm.) 700 mm. Hg. approx.

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Condenser Particulars:

Duty in Kg. of steam per hour:
Cooling surface in sq. metres:
Quantity of circulating water in cubic metres per hour:
Vaccum in mm. Hg. (Bar. 760 mm.):
Temperature of cooling water in degs.C.
Total head in metres on extraction pump:
Total head in metres on circulating water pump:
Power required to drive extraction pump in kW:
Power required to drive circulating pump in kW:
Speed of extraction pump in r.p.m.
" " circulating water pump in r.p.m.
Steam consumption of air ejector in Kg. per hour:

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SCHEDULE NO. 1 May 23, 1944

Steam Consumption and Technical Particulars.

Nett continuous maximum rating		kW.
Steam pressure at turbine stop valve		atm.g.
Total temperature of steam at turbine stop valve		degs. C.
Temperature of condenser circulating water		degs. C.
Electrical characteristics of alternator	3-phase, 50 periods, ...volts 0.8 power factor.	
Speed of turbine		r.p.m.
" " alternator		r.p.m.
Maximum load for test at works		kW.

The guaranteed steam consumption of the turbine when operating under the above conditions is as follows:-

Load %	100	80	60
Load in kW. at alternator terminals			
Steam consumption in Kg. per kW.hour			
Vacuum in mm.Hg. (Bar.760 mm.)			

In the case of a direct coupled unit with motor-driven condensing plant pumps, the steam consumptions quoted include all losses in the turbine, alternator and exciter, but exclude the steam required for the air ejector and the power required to drive the extraction and circulating water pumps.

In these direct coupled units where the condensing plant accessories are mechanically driven from the main unit the steam consumptions include in addition to the above losses, the power required to drive the mechanically driven pumps but exclude the steam required for the air ejector.

In the case of a geared unit the steam consumptions quoted include the above specified losses for mechanically driven condensing plant pumps together with losses incurred in the speed reduction gear.

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Temperature of circulating water for (i) condenser	20 degs.C
(ii) air and oil coolers	30 degs.C

The plant is to be suitable for operation with circulating water at a temperature of 30°C and the output may be reduced under these conditions.

Electrical particulars for alternator	3-phase, 50 cycles, 6000/6600 volts 0.8 power factor. To carry full load at any pressure within the range specified.
Total head on circulating water pump	22 m.
Maximum suction lift will not exceed	4.5 m.

The turbine is not to be designed for the abstraction of steam for feed heating or any other purposes.

4. Lubrication. This is to comprise main oil pump, auxiliary turbine driven oil pump, oil cooler, strainer, oil tank and all interconnecting pipes and valves.

5. Foundations. The unit is to be mounted on a very robust structural steel underbase so designed as to enable the unit consisting of turbo-alternator and condensing plant to be transported in one piece. Suitable arrangements are to be provided for lifting and skidding the complete unit and the underbase is to be designed to enable road wheels or rail bogies to be attached for transport.

This contract does not however include these road wheels or rail bogies.

As it may not be possible to transport the complete unit in one piece provision must be made for dismantling it into sections which are to be mounted on temporary removable skids. The total weight of each such section including the skid is not to exceed 20 tons.

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The complete unit when carried on a low railway truck with platform height of 2' 7½" above rail level must pass through the British Standard and the Borne International Railway Loading Gauges.

The generating units are to be suitable in every respect for operation on a barge in sheltered waters such as inside a harbour breakwater.

If the Contractor considers that, for operation on a barge, it is essential to have additional stiffening he should submit to the Ministry of Supply designs and proposals for a loose steel grillage. This will not be included in this contract.

The set will not be operated if the barge is grounded. It is impossible to ensure that the barge will never be grounded when the set is out of operation and under these conditions care will be taken to see that reasonable alignment of the unit is maintained by temporary wedging or similar means if necessary.

The Contractor is also to state the maximum inclination, both longitudinal and transverse, under which the plant will work satisfactorily. Slings for lifting either the complete unit or any part dismantled for transport, shall be provided.

6. Pipework and Valves.

The Contractor is to provide all steam, oil and water pipes and valves as may be required for interconnecting the various portions of the turbine, alternator, air cooler, oil cooler, condenser and condenser auxiliaries assuming that the plant is compactly arranged.

The Contractor is to supply and connect the high pressure steam piping from a point near the main steam stop valve on the turbine to the auxiliary oil pump turbine and to the air ejector.

The Contractor is to provide circulating water suction valve, foot valve, strainer and discharge valve and may be required to provide up to 200 feet of circulating water piping of appropriate diameter of the "Everite" type.

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All terminal flanges for steam, water and condensate connections are to be standardised.

When viewed from the steam end the connections are to be as follows:-

Steam connection to the left.
Condensate connection to the left.
Incoming and outgoing water connections to the right.
Main cable connections at the bottom of the stator.
Exciter cable connections to the left.

7. Temperature Rise of Alternator. To be within the limits defined in BSS.225 or 226/1925 with Class "B" insulation.

8. Alternator. The Alternator to be of the totally enclosed type, and ventilated by means of a closed air system for which air cooler, ducts and alarm apparatus are to be provided by the Contractor. ~~The Alternator is to be well protected by canopies against drips.~~ Six tails are to be brought out for external connections. It is to be designed to run continuously either with earthed or unearthed neutral and, under fault conditions, with the neutral unearthed and with one phase metallically earthed.

9. Exciter. The exciter, is to be direct coupled to the alternator shaft and well protected by canopies against drips. A regulating rheostat is to be supplied.

10. Condenser. The Condenser is to be fitted with tubes of aluminium brass, suitable for the use of sea or brackish water. The tube plates are to be of yellow metal of standard 60/40 mixture.

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11. Ejectors. The air ejector is to be of the two stage steam operated type with inter and after coolers.

12. Condensate & Circulating Water Pumps One electrically driven condensate extraction pump is to be supplied but it is to be mounted on the steel underbase of the unit. The motor is to be of the totally enclosed weatherproof squirrel cage type with suitable direct-on starting gear. The available supply for the motors will be 3-phase, 50 cycles, 400/440 volts.

One electrically driven main circulating pump is to be supplied. The motor is to be of the totally-enclosed weatherproof squirrel cage type with suitable direct-on starting gear. The available supply for the motors will be 3-phase, 50 cycles, 400/440 volts. The pump, motor and control gear are mounted on a separate skid so that the unit may be placed in the most suitable situation for each individual installation.

13. Starting up circulating water pump For starting up the condensing plant an auxiliary motor-driven centrifugal pump shall be supplied capable of supplying an adequate quantity of priming water against a total head of 25 metres. This pump is to be provided with foot valve, strainer, suction valve and 200 feet total length of flexible armoured hose. The motor is to be of the type specified for the condensate extraction pump.

14. Feed Heater The Turbine Builder is to supply a surface feed heater complete with hand operated bypass, capable of raising the temperature of the whole of the condensate to 71°C by means of high pressure steam from the boiler. The location of this heater is to be determined later and the boiler maker is to make all necessary connections on the steam and condensate system.

15. Auxiliary Power Supply To provide power for starting up the plant without any external supply of electricity there shall be provided a 10 kW. alternator driven by a petrol or cold starting oil engine. The alternator to generate 3 phase 50 cycles 400/230 volt current. This generating set to be mounted on skids.

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This generating set will not be included in the turbine builder's contract.

16. Cabling — This contract will not include any cables except -

(i) between motors and starters.

(ii) such cables as may be required for thermo-couples, etc.

Sealing ends and compound are to be provided for the alternator tails.

17. Switchgear — Switchgear will not be included in the turbine builder's contract but the turbine builder will be required to collaborate with the switchgear contractor to ensure that the generating unit is complete.

18. Steam Consumptions — The steam consumptions at various loads and other technical particulars are to be entered in the attached Schedule No.1

19. Works Test — Each complete unit is to be run up to full speed at the Contractor's works before despatch. The Contractor shall guarantee the steam consumptions stated in Schedule 1 and carry out steam consumption tests on one or, if necessary, more units at his works before despatch. The maximum load to be carried under such test is to depend upon the steam capacity available at the works and is to be stated in Schedule 1.

20. Tools and Accessories — To be in accordance with the standard equipment as defined in Clause 16 of BSS.132/1930, together with the following items:-

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Necessary steam traps, valves, etc.
Save-all tank.
Set of dial type thermometers for bearings.
Instruments.
6 - Embedded Winding Temperature Thermo-couples and Indicating Instrument.
Cambridge type Indicator and alarm for Alternator Cooling Air Circuit.
Painting (before shipment).
Spare parts to be agreed with the Ministry of Supply at a later date.

21. Drawings. Each Contractor is to supply and despatch with each unit two sets of drawings in sufficient detail to enable the plant to be dismantled, overhauled, and re-erected. In addition three further sets of drawings must be supplied by each Contractor for retention by the Ministry of Supply. Any standard drawings are to be dimensioned in English units only but special drawings are to be dimensioned in both the English and metric systems.

22. Co-operation of Boiler Makers & Turbine Builders: The Turbine Contractor and the Boiler Maker responsible for supplying the boiler unit to work with the turbine must jointly assume complete responsibility for the layout of the plant and for the co-ordination of each complete transportable power station. Between them they must be responsible for the supply of all items necessary for the satisfactory operation of the power station. Everything prior to the turbine stop valve is to be the particular responsibility of the Boiler Maker and beyond that valve the particular responsibility of the Turbine Builder.

The Turbine Builder's responsibility on the condensate or feed line terminates at the discharge from the air ejector heaters and from that point the Boiler Maker is responsible for the supply of all material.

The Boiler Maker will provide the main general arrangement and pipework drawings in collaboration with the Turbine Builder.

and all pertinent equipment

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9th June 1944.

THE MINISTRY OF SUPPLY.

SWITCHGEAR FOR 2,500 KW. TURBO-ALTERNATOR PLANT FOR RELIEF.

SPECIFICATION REFERENCE RS/IF.

The alternators are 2,500 kW., 6.0/6.6 kV., 50 cycle, three-phase, and this specification covers twenty sets of switchgear, each set suitable for operation with one of the above alternators.

The switchgear is to be of the cubicle type, weather-proof for transport and suitably constructed so that it may be lifted as a unit by lugs on the top of the cubicle or dragged along the ground on skids connected to the cubicle through shock absorbers, the shock absorbers being of the Andre type.

The overall dimensions of the cubicle complete with skids should preferably not exceed 6'-9" long, 5'-0" deep, and 6'-4" high.

The cubicle is to be arranged with front covers for transport so that no additional packing is necessary, the covers arranged so that when the equipment is in operation they may be removed, leaving free access to the switchgear controls inside.

Technical Requirements.

The equipment is to have insulation in accordance with class "B", B.S.S.168, for insulated neutral 6.6 kV. system, and is to be suitable for normal temperature and height above sea level. The rupturing capacity of the equipment as a whole is to be 50 MVA. The equipment is to be suitable for running with the system insulated or solidly earthed, and if insulated to run continuously with one phase earthed.

Equipment Required.

The equipment required is detailed below and should comprise the alternator and exciter equipment complete with voltage regulator and all equipment other than the field rheostat itself and temperature indicator, both of which will be provided with the alternator. A feeder for an auxiliary transformer (500 kVA. 6.6 KV/400-230 volts) synchronising equipment, a tripping battery and trickle charger.

Cont'd.

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Detailed Requirements.

Alternator and Exciter Equipment. The circuit breaker for the alternator equipment should preferably be of the vertical plugging type to obviate the necessity for isolating switches and keep the height down. The voltage regulator should be of Metropolitan-Vickers' type "VC" and should be mounted on shock absorbers inside the cubicle. The circuit breaker if convenient, may be 150 MVA. rupturing capacity to give some margin, should the equipment be connected to other supplies.

The protective gear should comprise overload protection by relay with trip coils and time limit fuses as stand-by, differential protection for the alternator, the differential zone not including the auxiliary transformer, and earth fault alarm operating a 230 volt A.C. Klaxon, and signal lamp. The earth fault alarm should be suitable for operating on either insulated or solidly earthed system.

The exciter equipment is to be complete with rheostat handwheel, exciter field switch and discharge resistance.

A neutral earthing switch is to be provided with removable link and arrangements for single-core cable.

Auxiliary Transformer Equipment. This is to comprise an isolating switch with quick break for breaking magnetising current if necessary, and three high tension fuses. The auxiliary transformer is not to be included in the differential protective zone, but it is to be connected on the alternator side of the circuit breaker as it provides the power for auxiliaries. An alarm will be provided on the low tension switchgear to warn the Operator of failure of supply to the auxiliaries.

Synchronising Equipment. This is to be mounted on a swing panel, two voltmeters at the top, the frequency indicator and synchroscope at the bottom and the complete panel is to be removable for transport and arranged for clamping inside the cubicle structure.

Tripping Battery. The tripping battery with its trickle charger will be despatched separately and is to be arranged for bolting on the side of the cubicle in a definite position, so that the leads may be available inside the cubicle for connecting up. 4427

Cont'd.

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General.

Busbars are required carried right through the cubicle arranged so that they may be connected (a) to a bus end cable box, (b) for direct connection through bushings by cambric cable, (c) for bolting to the busbars of a similar cubicle mounted alongside at either end. Cover plates are to be provided for covering the apertures during transport.

Cabling.

Cabling will be downwards and arrangements are to be made to enable the cable box with its cable to be removed from the cubicle without the necessity for breaking down the cable joints. Alternative arrangements are to be made for the cable box with paper cable, or bushings for cambric cable. Suitable cover plates are required so that when the cable boxes are withdrawn, the complete cubicle is weather-proof for transport.

A hole in the bottom of the cubicle provided with a cover plate is required for the field cable with a terminal board inside arranged for taking the connections.

A plug should be provided inside the cubicle for an inspection lamp, the plug to be of the Crabtree ironclad type or similar, and the inspection lamp should be provided with sufficient lead for access to any part of the cubicle.

Reasonable ventilation should be allowed for and necessary arrangements so that as far as possible access is provided for connecting busbars etc. from the front of the cubicle, with warning plates or interlocks to prevent inadvertent access to high voltage connections.

All equipment should be in accordance with the latest British Standard Specification, or where no British Standard Specification is available, in accordance with the best British practice, and in view of the onerous duty cast iron should not be used if it can possibly be avoided, cable boxes and other components being of the fabricated type.

Spares.

To be agreed with the Directorate of Electricity Supplies.

Details of Equipments.

These are shewn on the attached schedule.

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T.H.RIVERS/MG.

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9th June 1944.

SCHEDULE OF EQUIPMENT.

Item.	No.Off.	
1	20 -	2,500 KW.Alternator and 500 KVA. Auxiliary Transformer Control Equipments, each comprising:-

1 - Sheet steel cubicle with internal screens and easily removable front covers approximately 6'-4" high x 6'-9" long x 5'-0" deep, complete with skids, shock absorbers, and lifting lugs.

Machine.

1 - Set of 3-phase busbars.
2 - Sets of isolating plugs and sockets for busbar and circuit connections.
1 - 3-core circuit cable box.
1 - 3-core bus end cable box.
1 - 400 amp.triple-pole oil circuit breaker 150 MVA.interrupting capacity, on moving carriage with incorporated raising and lowering device and first filling of oil.
1 - Circuit breaker operating handle with "on" and "off" mechanical indicator.
3 - Overcurrent trip coils shunted by time limit fuses.
1 - 30 volt D.C.shunt trip coil and multi-way auxiliary switch
3 - Current transformers with two cores and secondary windings for instruments and alternator protective gear, ratio 300/5.
3 - Current transformers for mounting in machine neutral for alternator protection, ratio 300/5.
1 - Current transformer ratio 300/5 for automatic voltage regulator compounding.
1 - 3-phase voltage transformer ratio 6,600/110 volts, with H.T. and L.T. fuses and current limiting resistances, connected star/star/broken delta, metering output 200 VA. class "B" and broken delta 100 VA.class "C", mounted in oil-tight case.
1 - Box type instrument panel.
1 - 6" dial moving iron ammeter flush pattern.
1 - 6" dial power factor indicator, balanced load, flush pattern.
1 - 6" dial indicating wattmeter, unbalanced load, flush pattern.

Cont'd.

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Item. No.off.

1 (Contd)

Machine (Contd.)

1 - 3-phase integrating watthour meter, unbalanced load, flush pattern.
1 - 3-way ammeter switch.
2 - Circuit breaker indicating lamps, red and green, flush.
1 - Set of voltmeter and synchronising plug receptacles.
1 - Triple-pole type "PBO" overcurrent relay.
1 - Triple pole type "FRM" alternator protective relay.
Mounting of temperature indicator supplied by alternator manufacturers.
1 - Set of small wiring, fuses and terminal boards and copper connections.
1 - Neutral earthing switch and disconnecting link.

Field.

1 - Single-pole automatic field discharge switch with 30 volt D.C.shunt trip and auxiliary switch.
1 - Field discharge resistance.
1 - 6" dial moving coil field ammeter, flush pattern.
1 - 6" dial moving coil field voltmeter, flush pattern.
1 - Field rheostat handwheel
1 - Set of small wiring, fuses, terminal boards.

Transformer.

1 - Triple-pole gang operated isolating switch with remote operating mechanism.
3 - High tension fuses and supports.
1 - 3-core cable box.

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Cont'd.

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Item. No.off.

1 (Contd).

Synchronising.

1 - Box type swing panel.
2 - 8" dial moving iron voltmeters, flush pattern.
1 - 8" dial synchroscope, flush pattern.
1 - 8" dial frequency indicator, flush pattern.
2 - Standby synchronising lamps with 1 : 1 transformer for bright lamp synchronising.
1 - Set of small wiring, fuses and terminal boards.
1 - Set of voltmeter and synchronising plugs.

Leakage Indication.

1 - One-pole voltage relay.
1 - Klaxon horn, 230 volt pattern.
2 - Indicating Lamps.

1 - Wander lamp with lead, plug and socket.

1A 20 - Metropolitan-Vickers Electrical Co's type V.C. Automatic Voltage Regulator Equipments.

2. 20 - 30-Volt NIFE Tripping Batteries, steel-clad type, complete with Trickle Charging Equipment 5 A.H.Rating.

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T.H.RIVERS/MG.

SPECIFICATION - 135 KW GEN SET.

GUARANTEED TECHNICAL DATA

Appendix III

		Result at 504 RPM
Output of Combined set in K.W. at:-		
(a) Twelve hour rating	135 K.W.	165.5 HP
(b) Continuous day and night rating. (0.909 of load at "a")	122 K.W.	
Efficiency of Alternator at C.M.R.		
at (Unity P.F.	94.25%	
at (0.8 P.F.	92.5%	
B.S.S. (12 hour) rating of engine	197 B.H.P.	165.5 HP
R.P.M. of Engine	600 R.P.M.	504 RPM
Number of cylinders and bore and stroke	Five, $8\frac{3}{4}$" bore x $11\frac{1}{2}$" stroke	
Speed of piston in F.P.S.	192 F.P.S.	

B.M.E.P. at B.S.S. (12 hour) rating of engine 75 lb per sq inch

Maximum combustion pressure in pounds per sq in. 720 lb per sq inch

In the following table "maximum pressure " means the intensity of pressure in lbs per sq inch at the maximum combustion pressure referred to above:-

Part		Diameter	Length	Max pressure
Crank pin		$5\frac{3}{4}$"	$4\frac{3}{8}$"	1345
Small end bearing of conn. rod		$2\frac{3}{4}$"	3.13/16"	3220
Flywheel bearing		$5\frac{3}{4}$"	$6\frac{5}{8}$"	486
Other main bearings	Intermediate	$5\frac{3}{4}$"	$3\frac{3}{8}$"	870
	Centre	$5\frac{3}{4}$"	6.9/16"	445
	Control end	$5\frac{3}{4}$"	6.9/16"	445
Weight of heaviest part of engine		Flywheel 22 cwts.		
Weight and diameter of flywheel		22 cwts.	44" diameter x $11\frac{1}{2}$" face	
Total weight of engine		119 cwts.	Baseplate 38 cwts.	
Weight of alternator and exciter		48 cwts.		
Total weight of set		205 cwts.		
Cyclic variation at no load		Better than 1/230		

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at (Unity P.F.	94.25%	
at (0.8 P.F	92.5%	
B.S.S. (12 hour) rating of engine	197 B.H.P.	165.5 HP
R.P.M. of Engine	600 R.P.M.	504 RPM
Number of cylinders and bore and stroke	Five, 8½" bore x 11½" stroke	
Speed of piston in F.P.S.	192 F.P.S.	

B.M.E.P. at B.S.S. (12 hour) rating of engine 75 lb per sq inch

Maximum combustion pressure in pounds per sq in. 720 lb per sq inch

In the following table "maximum pressure" means the intensity of pressure in lbs per sq inch at the maximum combustion pressure referred to above:-

Part		Diameter	Length	Max pressure
Crank pin		5¾"	4⅜"	1345
Small end bearing of conn. rod		2⅜"	3.13/16"	3220
Flywheel bearing		5¾"	6⅝"	486
Other main bearings	Intermediate	5¾"	3⅜"	870
	Centre	5¾"	6.9/16"	445
	Control end	5¾"	6.9/16"	445

Weight of heaviest part of engine	Flywheel 22 cwts.
Weight and diameter of flywheel	22 cwts. 44" diameter x 11½" face
Total weight of engine	119 cwts. Baseplate 38 cwts.
Weight of alternator and exciter	48 cwts.
Total weight of set	205 cwts.
Cyclic variation at no load	Better than 1/230

Fuel consumption in lbs per K.W.H. (vide Clause 43 of specification No. 1291A (M & E) at the following loads:-

(a) Twelve hour rating of combined set	0.585 lb per K.W. hour
(b) Continuous day and night rating of combined set	0.588 " " " "
(c) 75% of load at (a)	0.605 " " " "
(d) 50% of load at (a)	0.710 " " " "

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Overall efficiencies of the alternator and exciter at Unity, 0.8 P.F. and the following loads:-

	UNITY P.F.	0.8 P.F.
(a) Twelve hour rating of combined set	94.25%	92.5%
(b) Continuous day and night rating of combined set	94.15%	92.2%
(c) 75% of load at "a"	93.75%	91.5%
(d) 50% " " " "	90.5%	89.5%

Lubricating oil consumption in pints per hour — 0.525 p.p.h.

Gallons per hour of cooling water circulating through the engine system at:-

(a) Twelve hour rating of set — 1600 G.P.H.

(b) Continuous " " " — 1600 "

= Heaviest part of set = 38 cwt base plate,

Quantity of Make-Up water required at:-

(a) Twelve hour rating of set — 52 G.P.H.

(b) Continuous " " " — 46 "

Temperature rise of cooling water after passing through the cylinder jackets at

(a) Twelve hour rating of set — 40° F

(b) Continuous " " " — 36° F

Pressure at which atomisers, will be set to operate — 2300 lb per square inch

Percentage variation of engine speed from full load to no load, permanent and temporary — 3% Permanent, 8% Temporary

Number and type of bearings on the alternator and exciter:-

Alternator - 1 Pedestal sleeve

Exciter - 2 Endshield sleeve

Full particulars of Automatic Voltage Regulator:-

See contractor's offer

Overall voltage variation from full load to no load at Unity and 0.8 P.F. having regard to variation in engine speed i.e. without automatic control — Unity P.F. .8 P.F.

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Lubricating oil consumption in pints per hour — 0.525 p.p.h.

Gallons per hour of cooling water circulating through the engine system at:-

(a) Twelve hour rating of set — 1600 G.P.H.

(b) Continuous " " " — 1600 "

* Heaviest part of set = 38 cwt base plate,

Quantity of Make-Up water required at:-

(a) Twelve hour rating of set — 52 G.P.H.

(b) Continuous " " " — 46 "

Temperature rise of cooling water after passing through the cylinder jackets at

(a) Twelve hour rating of set — 40° F

(b) Continuous " " " — 36° F

Pressure at which atomisers, will be set to operate — 2300 lb per square inch

Percentage variation of engine speed from full load to no load, permanent and temporary — 3% Permanent, 8% Temporary

Number and type of bearings on the alternator and exciter:-

Alternator - 1 Pedestal sleeve

Exciter - 2 Endshield sleeve

Full particulars of Automatic Voltage Regulator:-

See contractor's offer

Overall voltage variation from full load to no load at Unity and 0.8 P.F. having regard to variation in engine speed i.e. without automatic control

	Unity P.F.	.8 P.F.
Temporary	10%	55%
"	8%	50%
"	7%	46%
"	6%	42%
Steady	4%	37%
"	3½%	36%
"	2½"	34%

Excitation current and voltage at full C.M.R. output of generator: — 40 amps. 55 volts.

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Inherent regulation with Unity and 0.8 P.F.
assuming:-

(a) Constant speed and excitation: 14% at unity P.F. 30% at 0.8 P.F.

(b) A speed increase of 3½% from full load
to no load: 22½% at unity P.F. 36% at 0.8 P.F.

Full particulars of guarding to be provided:-

Suitable handrails and stanchions round engine flywheel

Suitable planished steel guards for exciter coupling

Engine driven compressor set also guarded by handrails

Other auxiliaries would be fitted with adequate guards over couplings and driving belts

Material of cylinder block and trunking: Close grained cast-iron

Material of pistons: ditto

Number of piston rings and clearances allowed (Clause 21 specification 1291A)

One Fire ring (taper sided) clearance 0.002"
Two Compressor rings clearance 0.004"
One oil Scraper ring " 0.005"
One oil Control ring " 0.005"

Method adopted to secure small end bearings to small end:

Bearing pressed into small end and pegged to prevent any movement.

Metal of which main bearing shells are made: Steel

Metal of which bottom end bearing shells are made: Steel

Full particulars of Governor:

Four weight contrifugal type acting direct on fuel pump racks

Material of which flywheel is made: Cast Iron

Full particulars of tachometer and position in which mounted: British made by the A.T. Speedometer Co. Ltd.

Chain driven through a spring drive and mounted on Control end of engine as contractor's drawing No. Z/17279.

Full particulars of fuel oil strainers both for main fuel and atomisers: Dual type capable of being cleaned whilst engine is running. Manufactured to contractor's Drawing No. Z/17193 Atomiser filter of the "Edge" type manufactured by CAV Ltd. as contractor's drawing No. Z/17132N.

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Other auxiliaries would be fitted with adequate guards over couplings and driving belts

Material of cylinder block and trunking: Close grained cast-iron

Material of pistons: ditto

Number of piston rings and clearances allowed (Clause 21 specification 1291A)

One Fire ring (taper sided) clearance 0.002"
Two Compressor rings clearance 0.004"
One oil Scraper ring " 0.005"
One oil Control ring " 0.005"

Method adopted to secure small end bearings to small end:

Bearing pressed into small end and pegged to prevent any movement.

Metal of which Main bearing shells are made: Steel

Metal of which bottom end bearing shells are made: Steel

Full particulars of Governor:

Four weight contrifugal type acting direct on fuel pump racks

Material of which flywheel is made: Cast Iron

Full particulars of tachometer and position in which mounted: British made by the A.T. Speedometer Co. Ltd.

Chain driven through a spring drive and mounted on Control end of engine as contractor's drawing No. Z/17279.

Full particulars of fuel oil strainers both for main fuel and atomisers: Dual type capable of being cleaned whilst engine is running. Manufactured to contractor's Drawing No. Z/17193 Atomiser filter of the "Edge" type manufactured by CAV Ltd. as contractor's drawing No. Z/17132N.

Details of fuel pumps and atomisers:-

Separate pumps used for each cylinder each of the single unit type of C.A.V. Ltd manufacture as contractor's drawing No. Z/17132.P.

Full particulars of water cooling system:

See contractors offer.

Full particulars of semi-rotary fuel transfer pump:
Hand operated semi-rotary double acting fuel transfer pump arranged for wall mounting.

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Full particulars of motor driven fuel transfer pump.

Manufactured by Stothert & Pitt Ltd. Being their size 1½ rotary displacement type with body covers, body liner, inner and outer rotor of high grade cast iron and shaft of steel. Each pump is direct coupled to a B.T.H. 3/4 B.H.P. squirrel cage motor running at 940 R.P.M. mounted on a combined baseplate. The motor is controlled by a wall mounting totally enclosed oil immersed hand operated Allen West starter with 4" ammeter. Modified to suit 42 cycles.

Full particulars of "viscous" type air filters and silencers :

Double "viscous" oil type filters of the washable type mounted in the engine end frames complete with washing and dipping trays and a 10 gallon drum of oil per station.

Full particulars and make of lubricating oil strainers :

Dual gauze strainer type cleanable whilst engine is running manufactured to contractor's drawing No. Z/17237.

Full particulars of fuel oil heaters and thermometers :

The fuel oil heater is of the hot water type heated by exhaust gases, as contractor's drawing No. Z/17199A.

Cleansing capacity of lubricating oil strainer in gallons per hour : 150 G.P.H.

Number of gallons of lubricating oil contained in the engine lubricating system under normal working conditions : 33 galls.

Full particulars of lubricating oil cooler :

Unit construction having a cast iron body encasing an ample tube stack, tubes of special copper all brazed where joints are made - see contractor's Drawing No. X01/79000.

Full particulars of exhaust manifold lagging :

Exhaust manifold is water cooled.

Exhaust piping inside engine room lagged with asbestos rope.

Full particulars of air compressor set and unloading device :

Broom & Wade type M1 single cylinder single stage water cooled Air Compressor direct coupled to a Blackstone D.B.3 single cylinder four stroke vertical water cooled diesel engine developing 2½ B.H.P. at

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Double "viscous" oil type filters of the washable type mounted in the engine and frames complete with washing and dipping trays and a 10 gallon drum of oil per station.

Full particulars and make of lubricating oil strainers :

Dual gauze strainer type cleanable whilst engine is running manufactured to contractor's drawing No. Z/17257.

Full particulars of fuel oil heaters and thermometers :

The fuel oil heater is of the hot water type heated by exhaust gases, as contractor's drawing No. Z/17199A.

Cleansing capacity of lubricating oil strainer in gallons per hour : 150 G.P.H.

Number of gallons of lubricating oil contained in the engine lubricating system under normal working conditions : 33 galls.

Full particulars of lubricating oil cooler :

Unit construction having a cast iron body encasing an ample tube stack, tubes of special copper all brazed where joints are made - see contractor's Drawing No. X01/79000.

Full particulars of exhaust manifold lagging :

Exhaust manifold is water cooled.

Exhaust piping inside engine room lagged with asbestos rope.

Full particulars of air compressor set and unloading device :

Broom & Wade type N1 single cylinder single stage water cooled Air Compressor direct coupled to a Blackstone D.B.3 single cylinder four stroke vertical water cooled diesel engine developing 2½ B.H.P. at 450 R.P.M. The compressor has a displacement of 7.4 cubic feet per min. and is capable of charging two 5 cubic feet air receivers from half to full pressure in less than 30 mins.

Full particulars of method adopted to ensure that air and moisture are excluded from the stator windings :

The stator conductors would be insulated with micafolium, ironed on hot and pressed.

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Full particulars of exhaust gas thermometers

Rotherham Bi-metallic dial type (4" dia)

One in each cylinder exhaust.

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Particulars of Oil Circuit Breakers (including type and lining of tanks, packing between tank and switch body and details of insulating material to support the main fixed and isolating contacts of the breaker):-

See contractor's offer.

Details of earthing instrument and motor cases (vide clause 18 of Spec 2046):-

See contractor's offer.

Details of terminal blocks (vide clause 23 of Spec 2046).

See contractor's offer.

Details of cleats used (vide clause 24 of Spec. 2046):-

See contractor's offer.

Details of exhaust silencer :-

Burgess S.D.H. type.

These are of the eccentric "Snubber" type constructed throughout of mild steel with both ends detachable for cleaning.

Sizes and efficiencies of all motors for driving water cooler etc:

Water Cooler. One motor driving both pump and fan.

2½ B.H.P. Screened protected squirrel cage induction motor continuously rated suitable for starting period of 10 seconds against 30% full load torque infrequently. 3 p.h. 50 cycles 400 volts A.C. Fixed speed 1400 R.P.M.
Feet mounted with single standard shaft extension and supplied with terminal box suitable for conduit.
Modified to suit 220 Volts 3 phase 42 cycles.

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See contractor's offer.

Details of cleats used (vide clause 24 of Spec. 2046):-

See contractor's offer.

Details of exhaust silencer :-

Burgess S.D.H. type.

These are of the eccentric "Snubber" type constructed throughout of mild steel with both ends detachable for cleaning.

Sizes and efficiencies of all motors for driving water cooler etc:

Water Cooler. One motor driving both pump and fan.

2½ B.H.P. Screened protected squirrel cage induction motor continuously rated suitable for starting period of 10 seconds against 30% full load torque infrequently. 3 p.h. 50 cycles 400 volts A.C. Fixed speed 1400 R.P.M.
Feet mounted with single standard shaft extension and supplied with terminal box suitable for conduit.
Modified to suit 220 Volts 3 phase 42 cycles.

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