

ACC

AC/TN/75/C.E.

10000/148/1551

MEC
JUL

10000/148/1551

MECHANICAL EQUIPMENT FOR I.S.R.
JUL. 1945 - FEB. 1946

90172/7018 E.O.

75,

MECHANICAL EQUIPMENT

FOR I.S.R

TECHNICAL EQUIPMENT

FOR I.S.R

Declassified E.O. 12356 Section 3.3/NND No. 785021

10000

148

1551

THIS FOLDER

CONTAINS PAPERS

FROM

JULY 1945

TO

FEB. 1946

TRANSPORTATION SUB-COMMISSION, A.C.
(RAIL DIVISION)
c/o Transportation (Br)Main
C.M.F.

25 February 1946

Tel : 843209
Ref : AC/Tn/75/15/CE

SUBJECT : Loan of Crawler Crane.

TO : Ing. Le Cigno
Chief of Works Service

1. Reference your letter L.C.9/25/20476 dated February the 20th.
2. The Crawler Crane at the Castel Maggiore Depot cannot be released to you, as they need it themselves.
3. It is suggested to use the Fierentini Crane No. 167 which the Firm C.I.L.P. has stored in Ancona; please contact the a/m Firm.

A. H. STREET, Lt. Col.
Chief of Rail Division

987

Subject :- Loan of Crawler Crane.

Transportation (Br) Main,
C.M.F.
Tel : - Firebox 9328

Tn.A. 2/9/6.

To :- H.Q. Allied Commission
Tn. Sub-Commission
(Rail Division).

22 Feb 46.

1. Reference your AC/TN/75/14/CE of 20 February 1946, requesting the use of a Crawler Crane, from our 333 T.S.D. Bologna, for a period of 15 days for work on the S. Ellero Bridge.
2. It is regretted we are unable to assist you in this matter as the work at present on hand at 333 T.S.D. is such, that the loss of this crane would seriously hamper the efficient working of the depot.
3. It is suggested you use the Fiorentini crane No. 167 which is at Ancona and which you advised us previously the firm of C.I.L.P. were anxious to purchase.

R.L. Griffiths
R.L. GRIFFITHS, S/Capt.,
for Brigadier,
Director of Transportation.

file 75

TRANSPORTATION SUB-COMMISSION, A.C.
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

20 February 1946

Tel : 843209
Ref : AC/Tn/75/14/CE

SUBJECT : Crawler Crane.

TO : M.R.S.

1. The I.S.R. - Werke Section Florence is urgently in need, for approx. 15 - 20 days, of one crawler crane for the S. Elia bridge.

2. It seems that there is a crawler crane at the Stores Depot at Castel Maggiore (Bologna), may it be released to them, please.

A.H. STREET, Lt. Col.
Chief of Rail Division

copy to: Ing. Lo Cigno



MINISTERO
DELLE COMUNICAZIONI

FERROVIE DELLO STATO
DIREZIONE GENERALE

SERVIZIO LAVORI E COSTRUZIONI

OGGETTO

Linea 65

Ponte S. ELLERO

ALLEGATI N. _____

ROM 11 20 Febbraio 1946 - A

N L.C. 9/25/20476

Al N. _____

del _____

SIG. COLONNELLO A.H. STREET

CHIEF OF RAIL DIVISION

Transportation Sub Commission

A.C.

- Procedura urgente*
- 1) - Per accelerare il montaggio della travata Roth-Wagner al ponte sull'Arno presso S. Ellero occorrerebbe disporre di una gru a cingoli -
 - 2) - Il magazzino militare presso Castel Maggiore dispone del trattore adatto allo scopo.
 - 3) - Pregasi di esaminare la possibilità di far mettere a disposizione delle Ferrovie dello Stato, Sezione Lavori di Firenze, per un periodo di 15-20 giorni la gru richiesta.

IL CAPO DEL SERVIZIO LAVORI

Volpe

TRANSPORTATION & SHIPPING SUB-COMMISSION A.C.
(RAIL DIVISION)
C/o Transportation (Br) Main
C.M.P.

16

11 February 1946

Tel.: 843121/11
Ref.: AG/Mag/48/19/Tn.4

SUBJECT : Disposal of Railway Mobile Workshops.

TO : Chief Disposal Officer, British Embassy, Rome.

1. The Director of Transportation advises that they are about to declare to the War Office certain Mobile Workshops as surplus to their requirements.
2. The Allied Commission, Transportation & Shipping Sub-Commission desires to obtain the material for the Italian State Railways and therefore bid for the material as shown on list attached hereto.
3. The material is requested for the rehabilitation and maintenance of the Italian State Railways.

For the Chief Commissioner :

R. E. Barnes
Major R.E.
For Director.

Incl. List of material

Copies to :- Chief of Stores Service ISR-Bldg
" " Work " "
Eng.Branch. ✓
Economic Section, Reg.Branch.

983

To :- D.To. The War Office. (En.2)

Copy to :- Q Branch, GHQ, GMP.
ECIO.

Prov. Form

TH. (MR) STONES, C.M.P.

DECLARATION OF THEATRE HOLDINGS, MILITARY REQUIREMENTS
AND ESTIMATED SURPLUS.

Serial No.	Description	Unit of supply	Theatre Holdings	A.C. Italy require
1	2	3	4	5
	<u>No 100 Railway Mobile Workshop.</u>			
1	Machine Shop Van. 11270	Each	1	1
2	Welders Van. No 10116	"	1	1
3	Blacksmiths Van. No 11641	"	1	1
4	Generator Van. No 10019	"	1	1
5	Stores Van. No 12039	"	1	1
The Machines and Tools contained in the above Vans are shown on the attached appendix "A"				

Office. (En.2)

Mr. C.M.F.

Prov. Form Tn.4.2/Declaration N°153.

200

TH. (MR) STORRE, C.M.F.
DECLARATION OF THEATRE HOLDINGS, MILITARY REQUIREMENTS
AND ESTIMATED SURPLUSES.

Description	Unit of supply	Theatre Holdings	A.G. Italy requirements.
2	3	4	5
<u>Railway Mobile</u>			
Shop Van. 11270	Each	1	1
Van. N° 10116	"	1	1
Van. N° 11641	"	1	1
Van. N° 10019	"	1	1
Van. N° 12039	"	1	1
contained in the above Vans are shown on the attached appendix "A"			ALL

APPENDIX B
PAGE 1

No 10: Railway Mobile Workshops - Inventory of Vans.

BLACKSMITHS VAN No 11641.

Anvil, 1 cwt.	each	1
Stand for above	"	1
See yellowish	"	1
Stand for above	"	1
Bars measured lengths	"	2
Jacks, ship type, 30 t.	"	6
Forge, field, heavy, without blowers	"	2
Heads, steel	"	1
Forge, electric or hand, comp.	"	1
Hydraulic press Motor 13715/39	"	1
Pump, Karyweather MS/T/3580/ engine 7495	"	1
Boes crane, 2".	Lengths	1
Deville, plumbars	each	1
Slings, wire 2", 4".	"	2
Botiles, stone, 2-ball.	"	3

GENERATOR VAN - No 10012.

Plant, welding, electric, "Peterson" No 4875,	each	1
Ford Motor 6Y65202	"	1
Plant, charging, battery, "Humm" engine 23645,	"	1
Generator 189576	"	1
Batteries, in chest.	"	1
Generator, "Woodson" 22kW 124725/113 Engines 91358	"	1
w/ toolbox	"	1
Pump, semi-rotary	"	1

WELDING VAN - No 10116.

Tables, steel	each	3
Cylinders, oxygen	"	20
" acetylene	"	4
Backs, cylinder	"	9
Trolleys	"	1
Vice, bench, 6"	"	1
	98 1/2	

MACHINE SHOP VAN No 11213.

Welding machine, belt driven, MS. 11.1711 Motor 190018	each	1
Machine tool, "Herbert" 43473 w/ motor	"	1

Rose cammed lengths
 Jacks, skip type, 10 t.
 Forge, field, heavy, without blowers
 Bench, steel
 Forge, electric on hand, comp.
 Hydraulic press Motor 13715/39
 Pump, heavy-duty 100/2/5500/ Engine 7496
 Hose canvas, 2".
 Savils, plumbers
 Slings, wire 2", 4".
 Bottles, stone, 2-gall.

GENERATOR VAN - 2" 10012.

Plant, welding, electric, "Herbert" 1875,
 Ford Motor 176502
 Plant, charging, battery, "Sun" engine 21545,
 Generator 189776
 Batteries, in chest.
 Generator, "Meadows" 24725/118 Engine 91358
 w/ tool box
 Pump, sand-rotary

ARMERS VAN - No 10116.

Tables, steel
 Cylinders, oxygen
 " acetylene
 Benks, cylinder
 Trolley
 Vices, bench, 2"

MACHINE SHOP VAN No 11270.

Shaping machines, belt driven, M.E. 1171; Motor 450208
 Machine saw, "Herbert" 43498 w/ motor
 Machine grinder 37154, "Stanford" w/ motor
 Grinders, portable, pneumatic, 10;
 Lathes, portable, "Allan" 15000 50771
 Machine drill, "Herbert" 14793 comp. with motor
 -ditto- 25098-226
 Vices, parallel, 2"
 Surface plate, 4' x 2' complete
 Rose, compressor, length

1744

APPENDIX A
Sheet 2.

No 101 Railway Mobile W/Shop Train - Inventory of Vase.
STONES VAN - No 12032.

Chisels, rapping, 15#	1	each
Hammers, carpenters, Warrington, 1-1b.	1	"
Irons, soldering, straight 1 lb 12 one	2	"
Pullers, nail	1	"
Pruners, 8" to 12"	1	"
Screwdrivers, London 8"	1	"
Kits, hand tools, Driver Mechanics	1	"
Bottles, tin, oil, 1 pint	1	"
Boards, drawing, double elephant	1	"
Compasses, beam, 26" Mk. II	1	"
Instructions, drawings, 88	1	"
Protractors, circular, celluloid, 9"	1	"
Scales, math. 805	1	"
do No 6	1	"
Setsquares, celluloid, 10" 45 deg.	1	"
do do 10" 60 deg.	2	"
2-Squares, 36" mahogany	2	"
Tapes, measuring, steel, 100 ft. Mk. IV	1	"
Adzes, carpenters, halfhead, heads 3 1/2"	1	"
Axons, leather	4	"
Augers eyed 3/4" dia.	1	"
do do 1"	1	"
do do 1 1/4"	1	"
Axes, hand, Kent pattern, 2 1/2 lbs.	1	"
Crowbars, with chiselpoint 2 1/2 3".	1	"
do do 4 1/2 1".	4	"
Bars, pinching, 2 1/2 6"	4	"
Bevels, carpenters, wood, 10 1/2"	2	"
Breases, carpenters	1	"
Bits	1	"
Bits, screw, 1/16"	1	"
do do 1/8"	1	"
do do 3/16"	1	"
do do 1/4"	1	"
Bits countersunk, double mailbox 5/8"	1	"
do do 7/8"	1	"
Bits, shell, 1/8"	1	"
do do 3/16"	1	"
do do 1/4"	1	"
do do 5/16"	1	"
do do 3/8"	1	"
Engineers, machet, pillar, drilling, 10"	1	"

666

Prob.
Each

979

Dividers spring	6"
Drifts, brass, parallel,	2 dia.
Drills, twist; HPS, English	1/4"
- do -	9/32"
- do -	5/16"
- do -	11/32"
- do -	3/8 "
Drills, twist HPS, English	13/32"
- do -	7/16"
- do -	15/32"
- do -	1/2"
- do -	17/32"
- do -	9/16"
- do -	19/32"
- do -	5/8"
- do -	21/32"
- do -	11/16"
- do -	23/32"
- do -	3/4"
- do -	25/32"
- do -	13/16"
- do -	27/32"
- do -	7/8"
- do -	29/32"
- do -	15/16"
- do -	31/32"
- do -	1"
- do -	1 1/8 "
- do -	1 1/4"
- do -	1 3/8"
- do -	1 1/2"
- do -	1 5/8"
- do -	1 7/8"
- do -	2"
Drills, twist, #2 FH English	1/4"
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- do -	5/8"
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- do -	7/8"
- do -	1"
- do -	1 1/8"
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- do -	19 1/4"
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- do -	21 1/4"
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- do -	21 1/2"
- do -	21 5/8"
- do -	21 7/8"
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- do -	22 1/8"
- do -	22 1

625

- do -	9/16"
- do -	19/32"
- do -	5/8"
- do -	21/32"
- do -	11/16"
- do -	23/32"
- do -	3/4"
- do -	25/32"
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- do -	31/32"
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- do -	1 5/8"
- do -	1 7/8"
- do -	2"
Drills, twist, #2 RS English	1/4"
- do -	1/2"
- do -	5/8"
- do -	3/4"
- do -	7/8"
- do -	1"
- do -	3/32"
- do -	1/8"
- do -	5/32"
- do -	3/16"
- do -	7/32"
- do -	1/4"
Files 1/2 round, bastard 12"	
Files, hand, bastard, 12"	
Files, round, bastard, 12"	
Gauges, carpenters, marking	
Gauges, depth 6"	
Gauges, feeler, 4"	
Gauges, screw pitch metric, 28 pitch	
Gauges, surface, universal No 1	
Gauges, wire, Nos 1 - 36	
Gauges, filmer 1"	
" " "	
Hammers, claw 1 1/2 lbs.	
Hammers, RRP, 1 1/2 lbs.	

APPENDIX
EXHIBIT 4.

Hammers, set, smiths, 3 lbs.	2	each
Hammers, sledge, doublefaced, 4 lbs	2	"
Hammers, straight pane, 7 lbs	2	"
- do - 14 lbs	3	"
Hammers, tinmen, creasing, 12 oss.	1	"
Handles Jack	8	"
Handles edge N.1	1	"
Handles Augers No1	1	"
Handles Augers No2	1	"
Handles Augers No3	1	"
Horses, tinmen's heads oval 3 lbs	1	"
Irons soldering straight 8 oss.	1	"
Knives, drawing, carpenters, 8"	1	"
Ledles 4"	1	"
Lamps, spirit, blowpipe	1	"
Levels, engineers, 8"	1	"
Mallets, carpenters	1	"
Mallets, rawhide	2	"
Microtoms, English, inside 2" - 12"	1	"
- do - outside 0" - 1"	1	"
- do - 1" - 2"	1	"
- do - 2" - 3"	1	"
- do - 3" - 4"	1	"
Oilstones, medium	2	"
Planes, jack 2 1/4"	1	"
Planes, smoothing, 2 1/3"	1	"
Planes, surfacing, 10" x 4"	2	"
- do - 18" x 15"	3	"
Pliers insulated 3"	1	pairs
Pots, fire	1	each
Pots, glue, 1 pint	1	"
Pots, melting, 8"	1	"
Punches, round 1/4"	3	"
- do - 3/8"	3	"
- do - 1/2"	6	"
Punches, smiths, round, 1/2"	2	"
- do - 5/8"	2	"
Rasps, cabinet or carpenters, 12"	1	sets
Reamers, sets, 17/32" - 1"	2	"
Reamers, sets, 1.1/16" - 1"	2	"
Rods, smiths, iron	4	each
Rules, steel, folding, 24"	10	"
Saws, back, tenon 14"	1	"
Saws, compass, 19"	1	"
Saws, crosscut, 14"	1	"

978

Sheet 5.

Snaps, necked for rod,	5/8"	1	each
- do -	3/4"	1	"
- do -	7/8"	1	"
- do -	1"	1	"
Spanners, SW, IM, box, tubular,	1/4" x 5/16"	3	"
- do -	3/8" x 7/16"	3	"
- do -	1/2" x 9/16"	3	"
Spanners, open jaw, DS,	1/8" x 3/16"	5	"
- do -	1/4" x 5/16"	5	"
- do -	3/8" x 7/16"	7	"
- do -	1/2" x 9/16"	16	"
- do -	5/8" x 3/4"	10	"
- do -	7/8" x 1"	9	"
Spanners, open jaw, SE	1"	6	"
- do -	1 1/4"	6	"
- do -	1 3/8"	3	"
- do -	1 1/2"	3	"
Spanners, socket, DS, offset 7/8"	1 1/4"	3	"
- do -	1 1/4"	3	"
- do -	straight 1"	5	"
- do -	" 5/8"	5	"
- do -	" 3/4"	3	"
- do -	" 7/8"	3	"
- do -	" 1"	5	"
- do -	" 1 1/8"	5	"
Spanners, Socket, metric DS, open jaw 12 mm x 13mm	12 mm x 13mm	1	"
- do -	14mm x 15mm	2	"
- do -	15mm x 17mm	1	"
- do -	18mm x 19mm	1	"
- do -	20mm x 21mm	2	"
- do -	22mm x 23mm	2	"
Spokeshaves JV		3	"
Squares, mitre 18"		3	"
Squares, steel, engineers 6"		6	"
- do -	12" (7" in 11mm)	2	"
Stamps, steel, metal or wood, 1/4" hex. 0 - 8	1/4" hex. 0 - 8	1	"
- do -	A - 3	1	"
Strightedges, engineers, 24"		2	"
- do -	72"	2	"
Swages, bottom, shank 7/8" at shoulder 3/8"	3/8"	2	"
- do -	1/2"	2	"
- do -	3/4"	2	"
- do -	1"	2	"
Swages, top, 3/8"		2	"
- do - 1/2"		2	"
- do - 3/4"		2	"
- do - 1"		2	"

977

EXHIBIT 6.

Chests, tool, filled, carpenters	each	1
- do - electricians	"	1
- do - fitters	"	6
- do - tinmiths and coopersmiths	"	1
Bottles, tin, oil, 1 gallon	"	2
Washers, rubber, 1" hole	"	8
Axes, felling	"	1
Handles for above (spare)	"	1
Axes, pick 4 1/2 lbs, heads	"	1
Helves, for above	"	1
Barrows, wheel, ironworking, Mk. IIX w/wheels	"	1
Knuls, heads, Mk. VIII	"	2
Helves for above Mk. II	"	2
Axes, felling	"	2
Axes, hand	"	1
Pick 4 1/2 lbs, head	"	3
Pick 4 1/2 lbs helvcs	"	3
Shovels C.S.	"	2
Spades, Mk. III	"	2
Funels, oil, 6"	"	1
Measures, oil, 1 pint	"	1
Measures, oil, 1 gallon	"	1
Fourers, oil	"	2
Cases, map, 60, No 1 Mk. I	"	3
- do - pencil, No 1 Mk. I	"	6
- do - " No 2 Mk. I	"	2
Spectacles, tinted No 3 Mk. II	pairs	2
Extinguishers, fire, tetrochloride type	each	1
Gauges, pressure, type (5-50 lbs "2)	"	1
Augers, machine, 3/8"	"	3
- do - 1/2"	"	3
- do - 5/8"	"	3
- do - 3/4"	"	3
- do - 1"	"	3
Augers, machine 1.1/2"	"	3
- do - 2"	"	3
Bore boring and jampias, No 3 Mk. I	"	1
Chipping hammers pneumatic No 7	"	3
Chisels, pneumatic, chipping, hammer, black	"	2
- do - Flat	"	2
- do - round nose	"	3
Cooks, air, 3/4"	"	1
Machines, drilling, pneumatic, No 1	"	1
Pumps, pressure No 2 Mk. I	"	3
Riveters, pneumatic No 1	"	2

Area, felling	
Area, hand	
Pick 4 1/2 lbs, head	
Pick 4 1/2 lbs helve	
Shovels G.S.	
Sydes, Mk. III	
Funnel, oil, 6"	
Measures, oil, 1 pint	
Measures, oil, 1 gallon	
Pensars, oil	
Cases, MAP, GS, No 1 Mk.I	
-do- panel, No 1 Mk.I	
-do- " No 2 Mk.I	
Spectacles, tinted No 3 Mk.II	
Extinguishers, fire, Tetrachloride type	
Gauges, pressure, tyre (5-90 lbs "2)	
Augers, machine, 3/8"	
- do - 1/2"	
- do - 5/8"	
- do - 3/4"	
- do - 1"	
Augers, machine 1.1/2"	
- do - 2"	
Bare boxing and jumping, No 3 Mk.I	
Chipping hammers pneumatic No 7	
Chisels, pneumatic, chipping, hammer, black	
- do - flat	
- do - round nose	
Cooks, air, 3/4"	
Machines, drilling, pneumatic, No 1	
Pumps, pressure No 2 Mk.I	
Riveters, pneumatic No 1	
Snaps, rivet cup head 1/2"	
- do - 5/8"	
- do - 3/4"	
- do - 7/8"	
Unions, pneumatic hose, 1 1/4 RHP	
Woodbore, pneumatic	
Gloves, rubber 5" x 11" B, Mk.I	
Dressers, grinding wheel, Huntington No 1	
Goggles, welders, No 1	
Machines, grinding, tool, post, 230/250 AC	
Plant, welding and cutting, HP C/A heavy weight	
Steeves No 2 - No 3 K.F.	
Drills centre 1/16"	
- do - 1/32"	

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rays, for steam tight water service stays -- eleven, threads per inch, overall length 12", threaded 9 1/2".

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12. 12. 12.

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1998

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Second top

Twelve threads per inch overall length 12 $\frac{1}{2}$; threaded 9 $\frac{1}{2}$

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Handles, ratchet, 1166 square

Taps, for steamtight water space stays - eleven threads per inch, overall length 12 1/2", threaded 9 1/2".

Plug 3/4"

7/8"

13/16"

15/16"

1 1/16"

1 1/8"

3/4"

13/16"

7/8"

15/16"

1"

1 1/16"

1 1/8"

Second tap

Twelve threads per inch overall length 12 1/2", threaded 9 1/2"

Plug 3/4"

13/16"

7/8"

15/16"

1"

1 1/16"

1 1/8"

Taps, for steamtight water space stays - twelve threads per inch

overall length 12 1/2", threaded 9 1/2".

Second tap 3/4"

13/16"

7/8"

15/16"

1"

1 1/16"

1 1/8"

Shields, welding, hand

Shields, welding, hood

Brushes, dynamo (carbon)

Brushes, generator (carbon)

Hammers, chipping

Switches, electric 2 way, 15 amp.

Lathe cutters (various)

Boring bars, inside

973

1753

Sheet 6.

Boring bars, outside	2	each
Chuck drill 3/8" w/key	1	"
Chuck Drill Jacobs C - 3/8" w/key	1	"
- do - P.S. 3/8"	1	"
High Speed Lathes blades (square)	8	"
Allen Key 1/8"	1	"
Drill Centre W.S. 5	6	"
- do - W.S. 4	6	"
Grease Guns	2	"
Centre Lathes, Round	5	"
Centres Lathes, Square	2	"
Centres, Lathes, halfround	2	"
Sleeves, M.F. 1 - 3	2	"
" " 2 - 3	2	"
Toolholders, Lathes, No 102	3	"
" " w/blade, small	1	"
Lathe carriers 1, 3, 4 and 6	4	"
Spinner Perdon 15017	1	"
" D.E. 3 x 3/8"	1	"
" " 3 x 7/16"	1	"
" U.S.A. I.M.	1	"
Adaptors (Ox. and Acet. various)	22	"
Spanners 5/8" x 1/28 D.M.	1	"
" 5/8" S.D.	1	"
" " S.D.	1	"
" 3/8" S.D.	2	"
Lathe Face Plate	1	"
V. Slide attachment (lathe)	1	"
Grinding wheels 12" x 16" x 1 1/4"	2	"
Chuck, large	1	"
Spare Jaws (small)	1	note
Starting handles	3	each
Lathe Gears (various)	19	"
Axes, pick, 40, lbs. head	5	"
Axes, pick, helven	5	"
Blocks, cordage, double 2"	1	"
" " snatch, 2"	1	"
Cordage 2" x 17 fathoms	lengths	
Cramp, carpenters 42"	1	each
Diamond, cutter, glassine	1	"
Case for above (leather)	1	"
Drills, twist 1.3/16" S.F.S.	1	"
Lamps, acetylene (complete)	2	"
Shovels R.M.	20	"
Taps, S.S., taper 3/4"	1	"
" " plug 3/4"	2	"
" " " "	(complete)	1

Toolholders, Lathes, No 102	"	2
" " w/blade, small	"	3
Lathe carriers 1, 3, 4 and 6	"	1
Spanner Pordson 15017	"	4
" D.E. 2 x 3/8"	"	1
" " 2 x 7/16"	"	1
" U.S.A. I.M.	"	1
Adaptors (Ox. and foot, various)	"	22
Spanners 5/8" x 1/28 D.E.	"	1
" 5/8" S.E.	"	1
" " S.E.	"	1
" 3/8" S.E.	"	2
Lathe Face Plate	"	1
V. Slide attachment (lathe)	"	1
Grinding wheels 12" x 1 1/2" x 1 1/4"	"	2
Chuck, large	"	1
Spare Jaws (small)	sets	1
Starting handles	each	3
Lathe Gears (various)	"	19
Axes, pick, 48, lbs. head	"	5
Axes, pick, helven	"	5
Blocks, cordage, double 2"	"	1
" " snatch, 2"	"	1
Gordage 2" x 17 lathe	lengths	1
Grasp, carpenters 42"	each	1
Diamond, cutter, glass	"	1
Case for above (leather)	"	1
Drills, twist 1.3/16" S.I.S.	"	1
Leaps, acetylene (complete)	"	2
Shovels R.W.	"	20
Taps, S.S.S. paper 3/4"	"	1
" " plug 3/4"	"	2
Tools, screwdriving, S.A. Set No 3	(complete)	1
Wrenches, Pipe, Chain, large	each	1
Wrens, electric, 24 volt	"	1
Pulley block and chain, 1 ton	"	1
Dies, whit 1.1/8" - 1.1/4"	"	4
" " 1.3/8" - 1.1/2"	"	4
Blocks, Pulley, Treble 2"	"	1

971

TRANSPORTATION SUB-COMMISSION A.O.
(RAIL DIVISION)
c/o Transportation (Br) Main,
C.M.F.

3rd January 1946

Tel : 843239
Ref : AC/Tn/75/13/C.E.

SUBJECT : German Worktrain.

TO : D.M.R.S.
Attn : CO No.1 R.C.E.

I. Reference to the attached correspondence, we should appreciate if arrangement could be made to allow the I.S.R. to take over this train, please.

A.H. STREET, Lt. Col.

copy to : DMRS
RCE
Director General ISR
Ing. Lo Cigno

973

1244

MINISTERO
DELLE COMUNICAZIONI

FERROVIE DELLO STATO
DIREZIONE GENERALE

SERVIZIO LAVORI UFF.3

OGGETTO

Treno Cantiere tedesco

ALLEGATI N. 1

Roma 23 dicembre 1945 - A.

N. L. 3/96495/

Al R.

del

L. S. Rouse R.

ALLA COMMISSIONE ALLEATA *please*
SOTTO COMMISSIONE TRASPORTI

S E D E

- M. C. R.*
Asst. M. C. R.
- 1°) Si ha notizia che nella stazione di Mezzocorona, sulla linea Trento-Bolzano, si trova in deposito un treno cantiere tedesco composto di nove carri attrezzati e di una carrozza dormitorio con traino proprio a mezzo di autocarro su rotaie, tuttora in consegna agli ex militari tedeschi.
 - 2°) Si gradirebbe che detto treno cantiere venisse ceduto alle ferrovie Italiane dello Stato che lo utilizzerebbero come treno soccorso.

IL DIRETTORE GENERALE

U. R. R.

copy file 84
33

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84

LOAN

MABA V MEGE NR 20056 IMPORTANT
FROM MOLE SIGNAL OFFICE BOLOGNA
TO TN(BR) MAIN FOR TN AC SUB COM FOR BUCKLEY
GR --- BT

BLG/20/2 (.) RSTD (.) REF FIORENTINI CRAWLER CRANE NOW HELD
BY IMP GHELLA AT ANCONA (.) WORK ON WHICH THIS CRANE EMPLOYED NOW
COMPLETE (.) OC 330 TSD STATES 330 TSD NOW CLOSED FOR ALL REPEAT
ALL RECEIPTS (.) WILL YOU ISSUE DISPOSAL INSTRUCTIONS ~~THIS~~ PLEASE
BT

THI 1310

SENT FCN B2 K

*See my letter of 10 days
date to MRS fort
this for percolation
hull*

971

RD SRL 56

20-1344A

GW

K

13

SPB/em

13

TRANSPORTATION SUB-COMMISSION, A.C.,
(RAIL DIVISION)
c/o. Transportation (Br) Main,
C.M.F.

file Engr

16th November 1945

Tel : 843239

Ref : AO/Tn/75/12 C.E.

SUBJECT : Equipment on loan.

TO : Engr Lo Cigno
Chief of Works Service.

1. M.R.S. Tn.A/2/9/11 of 7th November 1945.
2. U/M Fiorentini Machines held by you have been allocated theater Registr, N° by D.W.
3. Please arrange for these numbers to be painted on the cranes and advise when done.
4. Please say which one you have at ~~Chiana~~ clearing train wreck.
5. Please fill in hand return me copy when painted.

<u>Tr N°</u>	<u>Makes N°</u>	<u>Engine N°</u>	<u>Location.</u>
CM/Ex/4000	277	14451	
CM/Ex/8046	405	97993	

Lt.WAAS
for Brigadier
DTN.

Would you have this done please?

Copy to : Engr Corbellini.

LB

SPH/em

TRANSPORTATION SUB-COMMISSION, A.C.,
(RAIL DIVISION)
c/o Transportation (Br) Main,
C.M.F.

File

14 Nov 1945

14th October 1945

Tel : 843239
Ref : AC/Tn/75/7 C.E.

SUBJECT : Contractors plant for reconstruction I.S.R.

TO : H.Q. No 3 District.
Attn. Major R.W.E. LEWIN. R.E.

With reference to the attached list. It does not appear that these items of Plant are in use, it would be much appreciated if you would give orders that they be released to the firm of Badoni of Lucca.

The bridge which this firm is reconstructing is on line 69 which is an important route, to the North, please.

SPB
S.P. BUCKLEY, Major R.E.
for A.H. STREET, Lt. Col.

Copy to : Col. Street.
1212 R.C.E.
Major Mole, R.E. - Bologna
Milano
Contractor *Messa Badoni*
File.

969

INTER OFFICE MEMO

SPB/em

file 75

Tel : 843239
Ref : AG/Tn/75/8 G.E.

26th October 1945

SUBJECT : Florence area Reconstruction
(Mech. Equip.).

TO : Mech. Section.

*Letter to
Contractor*

Messrs Ferrobeton require and wish to hire one or preferably two Crawler Cranes. (7 tons, short jib or nearest) for use on the bridge reconstruction over river Serchio near Lucca. Urgent work flood prevention taking debris out of the river.

Is it possible to obtain, please?

*Not yet
Packed
17 Dec 45*

S.P. BUCKLEY, Major R.E.
for A.H. STREET, Lt. Col.

*Magnus CE
Asked to check up on
P.P.S. Exp. Sec. / some
(Mg. Mestrali) Value 115*

Signal - copy

FROM UGS LIVORNO 9232 25 15/II 20
CRAWLER CRANE AND OTHER HEAVY EQUIPMENT IN STORE PBS
LEGHORN ENGRS SECTION:COMMANDANT SECTION MAJOR MASTROFONI
CONFIRM US NOTICE /s/ FERROBETON

(Refs to Tn/AC/75/8/C.E. of the 26th Oct.45)

Log asked?

Indicazioni eventuali abbreviate

(Mod. 30-A Telogr. 1915)

2 Copies & Translation fl -

INDICAZIONI DI URGENZA
UGS

Risposta postale (importo in lire e centesimi)	oppure - BPx -	Posta raccomandata	oppure - PR -
Telegramma collazionato	- TV -	Espresso pagato	- XP -
Avviso di ricevimento telegrafico	- PC -	Espresso pagato x	- XPx -
Avviso di ricevimento telegrafico urgente	- PCD -	Da consegnarsi in mano propria	- MP -
Avviso di ricevimento postale	- PCP -	Fermo telegrafo	- TR -
Far proseguire	- PR -	Fermo posta	- GP -
Far proseguire pagato	- PSP -	Fermo posta raccomandata	- GPR -
		X indirizzi	- TMx -
		Comunicare tutti indirizzi	- CTA -



Il Governo non assume alcuna responsabilità, civile o conseguenza del servizio della telegrafia.
 Le tasse riscosse in mano per errore od in seguito a rifiuto o irreperibilità del destinatario devono essere compilate dal mittente.
 Il destinatario è invitato a firmare la ricevuta presentata dal fattorino ed a segnare la data e l'ora della consegna del telegramma. In mancanza di tali indicazioni, il destinatario perde il diritto a reclamare in caso di ritardo della consegna.

Ricevuto il 15/11 1925 ore 20.55
 Per circuito N. 133
 Ricevente *Chore*



La ora si conta nel meridiano corrispondente al tempo medio dell'Europa centrale, e per telegrammi interni e con vari paesi esteri di seguito da non mezzanotte all'alba.
 Nei telegrammi in codice in caratteri romani, il primo numero dopo il nome del luogo d'origine rappresenta quello del telegramma, il secondo quello della parola, gli altri la data, l'ora e i minuti della presentazione.

QUALIFICA	DESTINAZIONE	PROVENIENZA	NUM.	PAROLE	DATA DELLA PRESENTAZIONE		VIA E INDICAZIONI EVENTUALI D'UFFICIO
					Giorno e mese	Ore e minuti	
UGS							

0, 4¹/₂ UGS ROMA LIVORNO 9232 25 15/11 20,
 , GRU CINGOLI ET ALTRE ATTREZZATURE PESANTI IN DOTAZIONE P B S LIVORNO
 ENGINEERS SECTION COMANDANTE SEZIONE SIGNOR MAGGIORE MASTROFONI
 CONFERMATACI NOTIZIA, FERROBETON,

Refs to
 TM/AC/45/8 CE. of 26/8/45

987

Chi è correntista della posta paga o si fa pagare merced bancogiri, che costano per qualunque somma solo 10 centesimi.

N. 14 di recapito - Rimesso al fattorino ad ore 9⁴⁰

UGS FERROBETON ROMA

P.A. Ferrobeton
Catania

Nulla è dovuto al fattorino per il receipt.
Il lettore rimette una ricevuta a stampa quando è incaricato
di una ricezione.

TELEGRAMMA

TELEGRAMMA INTERNO URGENTISSIMO

Civitavecchia 20 October 1945

Subject : Railway weighbridge at Civitavecchia Port.

We refer to our letters of 14 June and 28 Sept. 1945, to which no reply has been received.

There are arriving in this port steamers with bulk grain which has to be weighed prior to despatch?

The lack of a railway weighbridge, asked for since 14 June 1945 has caused, and causes, serious inconveniences among which I would mention:

- a) slowness in discharge due to weighing at ship's side, which has reduced by 50% the daily discharge output of steamers causing heavy expenses to the Italian Govt. owing to the long stay of ships in port;
- b) the double handling of goods with heavy increase in cost of discharging operations;
- c) a greater waste of grain, in consequence of the multiple handling of the goods.

The seriousness of the situation requires prompt intervention on the part of the responsible Authorities, in order that the weighbridge, which was asked for four months ago, be set up.

We would point out that the expenses which the State incurs under present conditions of discharge of grain in bulk are considerably higher than the cost of a weighbridge which latter item would, in a short space of time, be fully covered.

Please acknowledge receipt.

Sgd/ Major Moretti
Port Liaison Officer.

To : The Station Master
Civitavecchia.

AC/23/96/Tnb
of 30 Oct 45
Refers.

is this OK or
original
passed to Meek
Major Barnes
96623 10/11/45

MINISTRY OF TRANSPORTS
I.S.R.
WORKS AND CONSTRUCTION SERVICE

SUBJECT:

request of machineries.

TO :

In Sub-Commission A.C. Rome.

Rome 20 July 1945

N. C.S./390

9
File 75
Mechanical
Equipment

1. Ref decision taken on the 4th meeting of the "Sub-Committee " for the construction held the 7th July 1945 on the Director D.In (constructions) office.
2. We beg to put to this general direction disposition the following machineries:

TRANSPORTATION SUB COMMISSION (Rails)
ENGINEERING BRANCH
FLORENCE.

July 14 1945

Reference : Tn/AC/IO-3-49-50-1a/ EQUIPMENT.

Subject : EQUIPMENT.

To: Chief Rails Division
through Major Street

The following equipment is requested as listed under
(MRS letter of 29 May).

CONTRACTOR	EQUIPMENT REQUIRED	PERIOD Months.	CONSIGN TO
LINE 65 PRATO- BOLOGNA. MRS PRIORITY.			
PIETRO CIDONIO	NO.		
	3 Shovels Power 1 m.c.	3	PRATO
	Petrol Diesel		
	5 Mixers Concrete		
	2-3 m.c. per hour		
	3 Large mixers Concrete		
	4-6 m.c. per hour		
	6 Decauville locos IO-15 HP 60 cm.		
	12 Dumper trucks 1 m.c.		
	2 " 3/4 " for rails 1 1/2 m.c.		
	4 Compressors for 3 drills each.		
	8 Pneumatic drills		
	2 Diesel Elec. plants 225 V 50 Cycle, 20-30 HP.		
	1 " 50-60 HP		
	3 Gasoline pumps 1 1/2 - 2 to lift 30/60 m.		

PROVERA & CARRASSI	1 Stone crusher	4 mos.	VALIANO
	power 60-80 m.c. daily		
	1 Fine crusher for sand		
	40 m.c. daily.		
	2 Mixer 5 m.c. per hour		
	1 Hoist 15 HP with engine		
	6 " 3-4 " "		
	Cable for above 30-40 m. for each		
	1500 m. Decauville track 60 cm.		
	12 dump cars 0.75 m.c. 60 cm.		

IMPRESA BERNI 65- AREZZO-FLORENCE ATHQ P.L 2 mos. FLORENCE

Reference : Tn/AC/IO-3-49-50-1a/ EQUIPMENT.
 Subject : EQUIPMENT.
 To: Chief Rails Division
 through Major Street

The following equipment is requested as listed under
 (MRS letter of 29 May).

CONTRACTOR	EQUIPMENT REQUIRED	PERIOD Months.	CONSIGN TO
LINE 65 PRATO- BOLOGNA. MRS PRIORITY.			
PIETRO CIDONIO	NO.		PRATO
	3 Shovels Power 1 m.c. 3		
	Petrol, or Diesel		
	5 Mixers Concrete		
	2-3 m.c. per hour		
	3 Large Mixers Concrete		
	4-6 m.c. per hour		
	6 Decauville locos 10-15 HP 60 cm.		
	12 Dumper trucks 1 m.c.		
	2 " 3/4 " for rails 1 m.c. 1 m.c.		
	4 Compressors for 3 drills each.		
	8 Pneumatic drills		
	2 Diesel Elec. plants 225 V 50 Cycle, 20-30 HP.		
	1 " 50-60 HP		
	3 Gasoline pumps 1 1/2 - 2 to lift 30/60 m.		
PROVERA & CARRASSI	1 Stone crusher	4 mos.	VALANO
	power 60-80 m.c. daily		
	1 Fine crusher for sand		
	40 m.c. daily.		
	2 Mixer 5 m.c. per hour		
	1 Hoist 15 HP with engine		
	6 " 3-4 " "		
	Cable for above 30-40 m. for each		
	1500 m. Decauville track 60 cm.		
	12 dump cars 0.75 m.c. 60 cm.		
IMPRESA BERNI 65- AREZZO-FLORENCE AFHQ P.1	2 mos.		FLORENCE
	2 7 t. trucks		965
	1 Bulldozer with winch & cable		DS
ANTONIO DI PENTA			PONTASSIEVE
	1 Bulldozer with winch	4 mos.	
	1 Acety Ok. torch + gas		
	1 Crane 7 t.	2 dumpers	

(p.t.o.)

CONTRACTOR	EQUIPMENT REQUIRED	PERIOD	CONSIGN TO
IMPRESA DI ZITTI-VAGLIO Rome.	NO. 2 Gasoline pumps 150-200 mm 1 Bulldozer with winch & cable	4 mos.	INCISA
EUGENIO PARRINI Rome.	1 Mixer 50 mc. per day 1500 m. track 60 cm. 40 dump cars 60 cm. 1 Gasoline pump 150-200 m.m. 1 hoist 4 Hp gasoline 30 m. cable for hoist 1 Decauville 10-15 HP 60 cm. 10 switches for track 60 cm. 5 turn tables 60 cm.	4 mos.	FIGLINE
GALLISTO PONTELLO Rome.	1000 m. track 60 cm. 30 dump cars 60 cm. 1 Decauville 60 cm. 10-15 HP 10 Switches 60 cm. 5 Turntables 60 cm. 1 Compressor motor for 3 drills 1 Rockerusher 200 mc. per day	4 mos.	MONTEVARCHI
219 FLORENCE - PISA SOG. ANON. ING. POGGI. Florence.	1 Crane 15 T.	2 mos.	SIGNA
SOG. ITAL. FERROBETON. Rome.	1 Gas pump 1"	4 mos.	SIGNA
EUGENIO PARRINI Rome.	2 50 T Jacks	2 mos.	SIGNA
IMPRESA PARDI Florence.	2 Gas pumps 4" 2 Jacks 50 ton 1 pile driver 1 T monkey	2 month.	CESCINA
DITTA FALORSI DEMETRIO.SIENA.	220 CHIUSI-EMPOLI LINE	3 mos.	SIENA.
	2 Concrete mixers 2 m.o. 1 Pile driver 1 T monkey 2 Gas elect. plant 220 V 50 C 50 HP 2 Elect. pump 220 V 50		

1772

1 Bulldozer with winch & cable

		4 mos.	FIGLINE
EUGENIO PARRINI Rome.	1 Mixer 50 mc. per day		
	1500 m. track 60 cm.		
	40 dump cars 60 cm.		
	1 Gasoline pump 150-200 m.m.		
	1 hoist 4 Hp gasoline		
	30 m. cable for hoist		
	1 Decauville 10-15 HP 60 cm.		
	10 switches for track 60 cm.		
	5 turn tables 60 cm.		
GALLISTO PONTELLO Rome.		4 mos.	MONTEVARCHI
	1000 m. track 60 cm.		
	30 dump cars 60 cm.		
	1 Decauville 60 cm. 10-15 HP		
	10 Switches 60 cm.		
	5 Turntables 60 cm.		
	1 Compressor motor for 3 drills		
	1 Rockcrusher 200 mc. per day		
219 FLORENCE - PISA MILITARY PRIORITY.		2 mos.	SIGNA
SOC. ANON. S. POGGI. Florence.	1 Crane 15 T.		
SOC. ITAL. FERROBETON. Rome.		4 mos.	SIGNA
EUGENIO PARRINI Rome.	1 Gas pump 1"		
IMPRESA PARDI Florence.		2 mos.	SIGNA
	2 50 T Jacks		
DITTA FAIORSI DEMETRIO.SIENA. 220 CHIUSI-EMPOLI LINE		2 month. CASCINA	SIENA.
	2 Concrete mixers 1/2 m.c.	3 mos.	
	1 Pile driver 1/2 monkey		
	2 Gas elect. plant 220 V 50 C 50 HP		
	2 Elect. pump 220 V 5 C		
	(1 for 30 m.c. per hr		
	1 for 50 m.c. per hr.)		
	3 Hoist 1/2 T with gas motor 1 1/2 m.cable		
	2 Crane 10 T		
	2 Jacks 10 T		

Edward Richard
EDWARD RICHARD, Chief Engr

CONTRACTOR	EQUIPMENT REQUIRED	PERIOD CONSISTENT TO
IMPRESA DI ZINNI-VAGLIO NO. Rome.	2 Gasoline pumps 150-200 mm 1 Bulldozer with winch & cable	4 mos. UHOISA
EUGENIO FARRINI Rome.	1 Mixer 50 mc. per day 1500 m. track 50 cm. 40 dump cars 50 cm. 1 Gasoline pump 150-200 m.m. 1 hoist 4 Hp gasoline 30 m. cable for hoist 1 Decauville IC-15 HP 50 cm. 10 switches for track 50 cm. 5 turn tables 50 cm.	4 mos. FIORENE
CARLESTO FORTUCCIO Rome.	1000 m. track 50 cm. 30 dump cars 50 cm. 1 Decauville 50 cm. IC-15 HP 10 Switches 50 cm. 5 turntables 50 cm. 1 Compressor motor for 3 drills 1 Rockcrusher 200 mc. per day	4 mos. MONTEVARCHI
219 MICRONE - PISA SOC. ANON. COSTR. ING. POGGI. Florence.	1 Crane 15 T.	2 mos. SIGMA
SOC. ITAL. FERRONETON. Rome.	1 Gas pump 1"	4 mos. SIGMA
EUGENIO FARRINI Rome.	2 50 T Jacks	2 mos. SIGMA
IMPRESA FARDI Florence.	2 gas pumps 4" 2 Jacks 50 ton 1 pile driver 1 T monkey	1 month. CASCINA
DITTA FALORST DEMOTRIO-SILVA. 220 CHIUSI-EMERCI LINE	2 Concrete mixers 1 m.o. 1 pile driver 1 monkey 2 Gas elect. plant 220 V 50 C 50 HP 2 Elect. pump 220 V 5 C	3 mos. SIENA.

EUGENIO PARRINI

Rome.

1 Mixer 30 mc. per day
 1500 m. track 60 cm.
 40 dump carts 60 cm.
 1 Gasoline pump 150-200 m.m.
 1 hoist 4 Hg gasoline
 30 m. cable for hoist
 1 Decauville 10-15 HP 60 cm.
 10 switches for track 60 cm.
 5 turn tables 50 cm.

GALLISTO PONNELLO

Rome.

4 mos. MONTIVARONI

1000 m. track 60 cm.
 30 dump carts 60 cm.
 1 Decauville 60 cm. 10-15 HP
 40 Switches 60 cm.
 5 turntables 60 cm.
 1 Compressor motor for 3 drills
 1 Rockcrusher 200 mc. per day

219 FLORENCE - PISA

MILITARY PRIORITY.

SOC. ANON. COSTR. INT. FOCCI.

Florence.

2 mos. SIGMA

1 Crane 15 T.

SOC. ITAL. FERROVIA.

Rome.

4 mos. SIGMA

1 Gas pump 1"

EUGENIO PARRINI

Rome.

2 mos. SIGMA

2 50 T Jacks

IMERSA BARDI

Florence.

1 month. CASSINA

2 gas pumps 4"
 2 Jacks 50 ton
 1 pile driver 1 T monkey

DITTA FALCINI DIAMETRIO.SIENA.

220 CHIUSI-PIACENZA LINE

3 mos. SIENA.

2 Concrete mixers 2 m.c.
 1 pile driver 1 monkey
 2 Gas elect. plant 220 V 50 C 50 HP
 2 Elect. pump 220 V 5 C
 (1 for 30 m.c. per hr
 1 for 50 m.c. per hr.)
 3 Hoist 10 T with gas motor 15 m.cable
 2 Crane 10 T
 2 Jacks 10 T

964

ER/ps

EDWARD RICHARD, Chief Eng.

July 14 1945

Subject: **ENVIRONMENT.**

To: Chief Raily Division
through Major Street

The following equipment is requested as listed under (MRS letter of 25 May).

CONTRACTOR	EQUIPMENT REQUIRED	PERIOD Months.	CONSUM. CO
LINE 65	TRATO- BLOGNA. MRS PRIORITY.		
PEDRO CIDONIO	3 Shovels Power 1 m.c.	3	TRATO
	Petrclor Diesel		
✓ 3	Mixers Concrete		
	2-3 m.c. per hour		
3	Large mixers Concrete		
	4-6 m.c. per hour		
6	Decauville Locos 10-15 HP 60 cm.		
12	Bumper tracks 1 m.c.		
2	" " 3/4 "		
4	Compressors for 3 drills each.		
6	Pneumatic drills		
2	Diesel Elec. plants 225 V 90 Cycle, 20-30 HP.		50-60 HP
1	" "		to lift 30-50 m.
3	Gasoline pumps 1 1/2 " 2 "		
PROVERA & CARRASSI	Stone crusher	4 mos.	VAIANO
	Power 60-80 m.c. daily		
1	Wine crusher for sand		
	40 m.c. daily.		
2	Mixer 5 m.c. per hour		
1	Hoist 15 HP with engine		
6	" " 3-4 " "		
	Cable for above 30-40 m. for each		
	1500 m. Decauville track 60 cm.		
	12 dump cars 0.75 m.c. 60 cm.		

ALFONSO BORTI 66-ARRESC-FLORENCE ATHQ P.i 2 mos. TLORENCE

Reference : TH/AC/10-1-49-50-12/ EQUIPMENT.
Subject : EQUIPMENT.
To: Chief Rails Division
through Major Street

The following equipment is requested as listed under
(MRS letter of 29 May).

CONTRACTOR	EQUIPMENT REQUIRED	PERIOD Months.	CONSIGN TO
LINE 65 PRATO-DELOGNA. (MRS PRIORITY).			PRATO
PETRO CIGNO	3 Shovels Power 1 m.c. 3 Petrol Diesel ✓ 5 Mixers Concrete 2-3 m.c. per hour 3 Large Mixers Concrete 4-6 m.c. per hour 5 Decauville locos 10-15 HP 60 cm. 12 Dumper trucks 1 m.c. 2 " " 3/4 " for rails 1.445 gauge 4 Compressors for 3 drills each. 3 Pneumatic drills 2 Diesel Elec. plants 225 V 50 Cycle, 20-30 HP. 1 " " 50-60 HP 3 Gasoline pumps 1 1/2" - 2" to 1450 30-80 m.		
PROVERA & GARRASSI	1 Stone crusher Power 60-80 m.c. daily 1 Pine crusher for sand 40 m.c. daily. 2 Mixer 5 m.c. per hour 1 Hoist 15 HP with engine 6 " 3-4 " " " Cable for above 30-40 m. for each 1500 m. Decauville track 60 cm. 12 dump cars 0.75 m.c. 60 cm.	4 mos.	VALANG
IMPRESA BERTI 65-AREZZO-FLORENCE	1 Bulldozer with winch 1 Acety. Ct. torch + gas 2 dumpers 1 Crane 1 m.	2 mos.	FLORENCE
ANTONIO DI PENTA	1 Bulldozer with winch 1 Acety. Ct. torch + gas 2 dumpers 1 Crane 1 m.	4 mos.	FLORENCE

(p.t.o.)

CML/av

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

Tel: 848191-11
Ref: AC/Mat/18/2/Tn 4

25 July 1945

SUBJECT : Mechanical Equipment.

No : D.M.A.S. Tn A-4 Blag.

1. Reference your Tn A 4/95 dated 29 May 1945 above subject and in particular to paragraph 6.

2. Following is a list of equipment required on loan from M.R.S. for the Milan Division:

- 2 - Pile drivers for 12" x 40' piles
- 2 - Caterpillars D-8 type with hoist
- 1 - 20 ton crane, Po river Piacenza
- 16 - Oxyacetylene cutting plants.

3. The equipment will be required for about three or four months.

4. Will you please advise of your approval and approximate date we may expect the equipment.

For the Chief Commissioner:

C. M. Long
C.M. LONG, Major C.E.

Ask Major Long for the other letter

Subject : Winterization programme .

c/o I.S.R. -
61 Area - Tel.2345-
Date. 30 July 1945-

To : Lt.Col. Street -
A.C. Tn. Sub-Commission .

Ref.

1. Reference your letter AC/Tn/71/ICE dated 11 July ,copy to this Office.

2. Below is given a list of the mechanical equipment required for all works under my supervision :

- 1) No.2 Pile drivers. (Whatever types available,if using monkey weight approx. 5 cwt.)
- 2) No.1 Electric portable welding set.
- 3) No.2 Portable electric lighting sets. (Capacity about 20 lamps 50 watts each)
- 4) No.1 Portable Air Compressor complete with 4 hammers and rubber piping.
- 5) No.1 Railway Mobile Steam Crane , 50 Tons. capacity.
- 6) No.8 Hydraulic Jacks , 100 Tons. capacity.
- 7) No.8 Hand jacks , 10 Tons.capacity.
- 8) No.2 Winches complete with wire rope. (5 Tons capacity)
- 9) No.6 Oxy-Acetylene cutters complete with rubber ~~piping~~ tubing.

E.J.Mole

E.J.Mole - Major

A.C.Tn.4

962

TRANSPORTATION SUB-COMMISSION, A.C.,
(RAIL DIVISION)
c/o Transportation (Br) Main,
C.M.F.

Tel : 843239

Ref : AC/TM/75/7 C.E.

18th October 1945.

SUBJECT : Contractors plant for reconstruction I.R.P.

TO : H.C. No 3 District.
Attn. Major R.W.E. LEWIN; R.E.

With reference to the attached letter from 1212 R.O.E.
(A/R.C.E./147) passed on by M.H.B. R.C. is from the letter,
it does not appear that these items of plant are in use, it
would be much appreciated if you would give orders that they
be released to the firm of Filippo Pochi, of Bologna.

The bridge which this firm is reconstructing is on line
160/15 WHICH is an important alternative route, please.

S.F. HUCKLEY, Major R.E.

For A.H. STREET, Lt. Col.

Copy to : 1212 R.O.E.

Major Mole, R.E. - Bologna
Milano
Contractors

TO : H.Q. #1 District.
Attn. Major R.W.E. LEWIN; R.E.

With reference to the attached letter from 1212 R.C.E.
(A/R.C.E./347) passed on by M.R.E. R.C. As from the letter,
it does not appear that these items of plant are in use, it
would be much appreciated if you would give orders that they
be released to the firm of Filippo Yochi, of Bologna.

The bridge which this firm is reconstructing is on line
160/15 which is an important alternative route, please.

S.P. HUCKLEY, Major R.E.

Per A.H. STRENT, Lt. Col.

Copy to : 1212 R.C.E.
Major Mole, R.E. - Bologna
Milano
Contractors

Subject : Contractor FILIPPO FOCHI - Release of Plant.

H.Q. 1212 Rly. Constr. & Maint. GP.R.E.
A/R.C.E./347
5th October 1945.

D.M.R.S.

The firm FILIPPO FOCHI S.A., Of Bologna is engaged on the repair of the river Po bridge at Cremona. He requires release of the u/m plant which is at present at the Rubber Factory at TERNI, for use on the job. This factory has been requisitioned by the Allies as an Internment Camp. The plant is his property.

2 No	5-ton electric winches.
3 No	4-ton hand winches.
2 No	3-ton hand winches.
2 No	22mm steel wire rope 350m. long.
4 No	" " " 200m. long.
4 No	hand-hoists capacity 15/20 tons.

As TERNI is in 1 District with H.Q. at Naples, it would be a great help if you would undertake to make arrangements for the release of the above.

Sgd/ Lt. Col. R.E.
RAC 1212 Rly. Constr. & Maint. GP. R.E.

engaged on the repair of the river Po bridge at Cremona. He requires release of the u/m plant which is at present at the Rubber Factory at TERNI, for use on the job. This factory has been requisitioned by the Allies as an Internment Camp. The plant is his property.

2 No 5-ton electric winches.
 3 No 4-ton hand winches.
 2 No 3-ton hand winches.
 2 No 22mm steel wire rope 350m. long.
 4 No " " 200m. long.
 4 No hand-holts capacity 15/20 tons.

As TERNI is in 1 District with H.Q. at Naples, it would be a great help if you would undertake to make arrangements for the release of the above.

Sgd/ Lt. Col. E.E.
 RUC 1212 Hly. Const. & Maint. Op. S.E.

920

CML/av

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

Tel: 843191-11
Ref: AC/Mat/45/5/Tn 4

30 August 1945

SUBJECT : Equipment for I.S.R. Quarry

TO : Chief of Stores Service I.S.R. Bldg.
Attn: Ing. Bracci

1. We recently requested the M.R.S. service to furnish machinery required to operate your quarry at Iabba, between Pescara and Ternoli but they have advised that the necessary equipment can possibly be obtained by the I.S.R.

2. The following equipment is necessary:

- 1 - Mobile Crane, 10 tons capacity.
 - 1 - Air Compressor complete with 4 air hammers and rubber pipe line.
 - 6 - Decauville skips.
 - 2 - Portable electric light plant (capacity about 20 lamps, 50 watts each)
 - 100 - meters of 15 mm. wire rope.
- M.R.S. suggests that the 10 ton crane can no doubt be purchased from the firm of Pignatelli, numerous contractors are in a position to supply Decauville skips and inquiries should also be made with a view to obtaining the Air Compressor and Portable Lighting Plant from firms who have in the past supplied you with such items.

4. Please make the inquiries as suggested and advise of any difficulty you experience in obtaining the equipment. If you are unable to obtain any of the equipment a further request will be made to M.R.S. for assistance.

Handwritten: 20.12.1945

TO : Chief of Stores Service I.S.R. Bldg.
Attn: Ing. Bracci

1. We recently requested the M.R.S. service to furnish machinery required to operate your quarry at Iebbe, between Pescara and Ternoli but they have advised that the necessary equipment can possibly be obtained by the I.S.R.

2. The following equipment is necessary:

1 - Mobile Crane, 10 tons capacity.

1 - Air Compressor complete with 4 air hammers and rubber pipe line.

6 - Decauville skips.

1 - Portable electric light plant (capacity about 20 lamps, 50 watts each)

100 - meters of 15 mm. wire rope.

3. M.R.S. suggests that the 10 ton crane can no doubt be purchased from the firm of Fiorentini, numerous contractors are in a position to supply Decauville skips and inquiries should also be made with a view to obtaining the Air Compressor and Portable Lighting Plant from firms who have in the past supplied you with such items.

4. Please make the inquiries as suggested and advise of any difficulty you experience in obtaining the equipment. If you are unable to obtain any of the equipment a further request will be made to M.R.S. for assistance.

cc. Lt.Col. Street - Bldg. ✓

Chief of Works Service I.S.R. Bldg.
Attn: Ing. Lo Cigno

C. C. C. C.
for DIRECTOR

1. Attached is list of track and maintenance equipment, in addition to list of raw and semi worked materials.
2. These being for use in the first stage of reconstruction should be included in the 1945 Programme, as they are of an urgent nature.
3. Any of these items that were shown on "FABBISOGNO MATERIALI" 1945 and 1946 have been deleted.
4. If any of these items can be supplied from existing Army stocks, it will save both shipping space and time.

TRACK AND MAINTENANCE EQUIPMENT REQUIREMENTS FOR TRACK EQUIPMENT PROGRAMME.

<u>Item.</u>	<u>Or similar to No shown on USA Army catalog.</u>	<u>Number required.</u>
Breakers paving pneumatic 100 lb class	66-2435-300-000	30
ditto 55 lb class		30
In addition spare parts for M/CS supplied for normal maintenance for 12 months.	66-2435-300-000	200
Bits Pointed for breakers Paving (100 lb) class		200
Bits Chiesel pointed ditto		200
for type of M/CS supplied		200
Bits pointed for breakers Paving (55lb class)		200
Bits Chiesel pointed ditto		200
for type of m/s supplied.		100
Bucking tools Pneumatic (Holder up) for use with each type of hammers pneumatic rivetting supplied		30
In addition spare parts for 12 months maintenance.		300
Busters rivet pneumatic "Red Devil" type capacity up to cutting heads off 1" dia rivets In addition spare parts for 12 months maintenance.		30
Bits (Chisel) assorted for type of Busters supplied.		30
Compressors Air, capacity 500 C.M.F. complete with all accessories, tools and servicing equipment. 66-3250-500-000		30
ditto capacity 210 C.M.F.		30
In addition spare parts to the scale necessary for the 12 months maintenance of the make and type of M/CS supplied	66-3250-210-500	10
Cranes crawler mounted revolving (swing) 7 to 10 tons (class IV type) Diesel driven with tools		

for normal maintenance for 12 months.	66-2435-300-000	
Bits Pointed for breakers Paving (100 lb) class		200
Bits Chisel pointed ditto		200
for type of W/CS supplied		
Bits pointed for breakers Paving (35lb class)		200
Bits Chisel pointed ditto		200
for type of mls supplied.		
Bucking tools Pneumatic (Holder up) for use with each type of hammers pneumatic rivetting supplied		100
In addition spare parts for 12 months maintenance.		
Busters rivet pneumatic "Red Devil" type capacity up to cutting heads off 1" dia rivets In addition spare parts for 12 months maintenance.		30
Bits (Chisel) assorted for type of Busters supplied.		300
Compressors Air, capacity 500 C.M.F. complete with all accessories, tools and servicing equipment. 66-3250-500-000		30
ditto capacity 210 C.M.F.		30
In addition spare parts to the scale necessary for the 12 months maintenance of the make and type of W/CS supplied	66-3250-010-300	
Cranes crawler mounted revolving (swing) 7 to 10 tons. (class IV type) Diesel driven with tools		10
Cranes crawler mounted as above (class IV) capacity 1 1/2 to 2, cubyd (with tools).	78-2813-001-000	5
In addition such spares parts as are necessary for 12 months maintenance service.		

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<u>Item.</u>	<u>Or similar to No shown on USA Army catalog.</u>	<u>Number required</u>
D. Drills pneumatic portable rock 35 lb class	66-4375-350-000	50
In addition spare parts for M/CS supplied for normal maintenance for 12 months.		
Digger clay Pneumatic	66-4395-370-500	10
Dump trucks (Automobile Murrell type) capacity 1 cube yard.		24
E. 1bs each Electrodes Welding " general purpose.		
5/32 x 14 "		
1/8 x 14 "		
3/16 x 14 "		
1/4 x 14 "	46-3772-150-20	
F. Hammers pneumatic rivetting up to capacity of 1" rivets ingold rand type.	40-5488-050-500	100
Sets of assorted snap for 1/2" to 1" rivets for above M/CS supplied.		120
In addition spare parts for maintenance, of the M/CS supplied, for 12 months.		
Hammers pneumatic or steam double acting 7,000 lbs complete with all necessary hoses, fittings, guides, etc.	66-5345-7	5
Hammers pneumatic or steam, single acting 1020 lbs complete with all necessary hoses, fittings, wire rope guides etc.	66-5345-1	5
In addition spare parts for 12 months maintenance of the M/CS supplied.		
I. Hoist winch builders type gasoline or Diesel driven maximum lift 50 feet capacity 1 ton each with the necessary steel wire rope.		6
		10

lift 100 ft capacity 2 ton

Pump trucks (Automobile turntable type)
capacity 1 cube yard.

100 lbs each Electrodes Welding steel mild
general purpose. 5/32 x 14 "

1/8 x 14 "

3/16 x 14 "

1/4 x 14 "

46-3772-150=20

Hammers pneumatic rivetting up to
capacity of 1" rivets ingold rand
type.

40-3488-050=500

Sets of assorted snap for 1/2" to 1"
rivets for above M/CS supplied.

In addition spare parts for maintenance,
of the M/CS supplied, for 12 months.

Hammers pneumatic or steam double acting
7,000 lbs complete with all necessary
hoses, fittings, guides, etc.

66-5345=7

Hammers pneumatic or steam, single
acting 1000 lbs complete with all
necessary hoses, fittings wire rope
guides etc.

66-5345=1

In addition spare parts for 12 months
maintenance of the M/CS supplied.

Hoist winch builders type gasoline or
Diesel driven maximum lift 50 feet
capacity 1 ton each with the necessary
steel wire rope.

ditto maximum lift 100 ft capacity 1/2 ton

In addition 2 spare S.W. ropes for each type
supplied.

Lenght hose pneumatic braided x 15 ft

" " x 30 ft

38-5464-0704

each complete with fastenings to suit,
concrete breakers, buster rivet, drill
rock pneumatic, and diggers clay pneu-

matic, supplied against these items requested.

Item. Or similar to No shown on USA Army catalog.

Number required.

Lengths Hose 4" Suction x 15 ft
w/foot valve and strainer.

6

Length Hose 4" deliver to suit pumps
4" centrifugal supplied.

6

J. Jacks universal or bridge

41-4966-500-150

24

" hydraulic 3 tons

57-4904-500-500

12

" " 20 tons

41-4944-300-15

10

" duff norton 35 tons

41-4597-102

8

In addition hydraulic fluid for type
supplied for 1 years Service. Spare
parts for 12 months maintenance.

M. Mixers concrete 14 cu ft gasoline or
Diesel driven complete with tools
and all accessories.

78-5785-140-800

15

ditto 1 cube yard

5

In addition for the mixers supplied
suitable spare parts, valves, s.wire
rope etc. for 12 months maintenance.

P. Pumps diaphragm gasoline Eng. driven
100 G.P.M. at 10 ft.

11-5620-410-500

10

In addition spare diaphragms 144 in
number for M/C supplied.

Pumps centrifugal 4" gasoline or Diesel
Eng. Driver, 4" discharge 400 G.P.M. 120ft 11-4773-430-200

5

In addition spare parts necessary for
12 months maintenance of the above pumps
to be supplied.

File driving frames, 60ft high, complete
with steam which, boiler, 2 tons drop ham-

" " 20 tons 10
 " duff nortcn 35 tons 6
 41-4844=300=15
 41-4597=102

In addition hydraulic fluid for type supplied for 1 years Service. Spare parts for 12 months maintenance.

M. Mixers concrete 14 cu ft gasoline or Diesel driven complete with tools and all accessories. 15
 78-5785=140=800

ditto 1 cube yard 5

In addition for the mixers supplied suitable spare parts, valves, s.wire rope etc. for 12 months maintenance.

P. Pumps diaphragm gasoline Eng. driven 100 G.P.M. at 10 ft. 10
 11-5620=410=500

In addition spare diaphragms 144 in number for M/C supplied.

Pumps centrifugal 4" gasoline or Diesel Eng. Driver, 4" discharge 400 G.P.M. 120ft 11-4773=430=200 5

In addition spare parts necessary for 12 months maintenance of the above pumps to be supplied.

Pile driving frames, 60ft high, complete with steam which, boiler, 2 tons drop hammer, all the necessary ropes connections, tools and fittings. 975 10

R. Rollers road or diesel Eng. driver 5 to 8 tons. 3
 73-7065=050=000

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Number
required.Or similar to No
shown on U.S.A.
Army catalog.

Item.

5

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78-7385-300

S. Shovels power 1/2 cube yard, crawler

ditto 1 cube yard

Each machine to be supplied complete
with :

- a) Forward crowd equipment.
- b) Dragline equipment
- c) Crane equipment
- d) Back actor equipment.

In addition, set of tools and servicing
equipment, and spare parts for 12 months
maintenance of M/C3 supplied.

10

60-8065-400-500

Spades Digger pneumatic clay

Tractors, crawler, Diesel Eng. driven
70/90 BHP. Standard w/angledozer
tilting.

2

78-8168-020-000

3

78-S 260

Ditto 55/65 HP dozer

2

98-9875-550-800

Ditto 110/140 BHP complete with
hyster winch

3

78-S 435

Ditto 70/90 HP Bull dozer

In addition the necessary tools
and servicing equipment. Also the
spare parts necessary for 12 months
maintenance of the M/C3 supplied.

20

W. Sets cutting and welding equipment oxy
acetylene complete 970-02

5

Ditto several purpose underwater oxy

with :

- a) Forward crowd equipment.
- b) Dragline equipment
- c) Crane equipment
- d) Back sotor equipment.

In addition, set of tools and servicing equipment, and spare parts for 12 months maintenance of W/CS supplied.

Spades Digger pneumatic clay	60-8065-400-500	10
Tractors, crawler, Diesel Eng. driven 70/90 BHP. Standard w/Angledozer tilting.	78-8168-020-000	2
Ditto 55/65 HP dozer	78-S 260	3
Ditto 110/140 BHP complete with hyster winch	98-9875-550-800	2
Ditto 70/90 HP Bull dozer	78- S 435	3

In addition the necessary tools and servicing equipment. Also the spare parts necessary for 12 months maintenance of the W/CS supplied.

Sets cutting and welding equipment oxy acetylene complete	970-02	20
Ditto general purpose underwater oxy arc cutting complete.	970-03	5

954

In addition spare tips (Nozzels) both cutting and welding for 12 months.

MEMORANDUM

SPB/em

TO : Major Gill C.E.
Mechanical Equipment for I.S.R.
Civil Engineering Branch 1945.

SUB : Materials required for Reconstruction
Programme 1945 - 1946.

Ref. 75/1/C.E.
B. Hughes

1. Herewith list of Plant required by the I.S.R.
2. These being for use in the first stage of reconstruction should be included in the 1945 programme as they are of an urgent nature.
3. This list has been screened and appears to be reasonable with regard to the amount of reconstruction work being undertaken.
4. Any of these items that were shown on Fabrication material 1945, have been deleted.
5. If any of these items can be supplied from existing Army stocks it will both save shipping space and time.

No 15	Mixers concrete 1/2 yard	Diesel driven (or gasoline
No 5	"	1 yard) each complete with tools.
No 20	Sets of spare replacement parts for 12 months maintenance, for the concrete mixers supplied.	
No 6	Hoists 1 ton capacity.	
No 6	Hoists 1/2 ton capacity.	
	spare wire cable for each of above 120 feet.	
No 24	Dump car (Bullitt automobile type)	1 cubyd.
No 20	Oxygen - Acetylene cutting outfits complete.	
No 20	"	welding outfits complete.
No 10	Cranes creeper track slewing	5 tons.
No 5	Cranes Creeper track slewing	7 tons.
No 12	Jacks Hydraulic	5 tons.

1. Herewith List of Plant required by the I.S.R.

2. These being for use in the first stage of reconstruction should be included in the 1945 programme as they are of an urgent nature.

3. This list has been screened and appears to be reasonable with regard to the amount of reconstruction work being undertaken.

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5. If any of these items can be supplied from existing Army stocks it will both save shipping space and time.

Nº 15	Mixers concrete 1/2 yard	Diesel driven (or gasolin
Nº 5	"	1 yard) each complete with tools.
Nº 20	Sets of spare replacement parts for 12 months maintenance, for the concrete mixers supplied.	
Nº 6	Hoists 1 ton capacity.	
Nº 6	Hoists 1 ton capacity.	
	spare wire cable for each of above 120 feet.	
Nº 24	Dump car (Muthill automobile type)	1 cubyd.
Nº 20	Oxygen - Acetylene cutting outfits complete.	
Nº 20	"	welding outfits complete.
Nº 10	Cranes creeper track slewing	5 tons.
Nº 5	Cranes Creeper track slewing	7 tons.
Nº 12	Jacks Hydraulic	5 tons.
Nº 6	"	10 tons.
Nº 6	"	20 tons.

923

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- 2 -

No 5 Caterpillar Tractors, Size D6 or D7 Fitted with Angledover Equipment Complete.

No 5 Caterpillar Tractors, Size D6 Fitted with Angledover Equipment and Hyatt Winches Complete.

No 10 Sets Tools and Servicing Equipment for the above Caterpillar Tractors. Spare parts, etc. necessary to scale for 12 months for maintenance of Caterpillar Tractors supplied.

No 10 Mechanical shovel Excavators, Tracked ok to work in tunnels either Bucyrus or Jay City type capacity, each machine to be supplied complete with:

- a) Forward Crowd Shovel Equipment.
- b) Dragline Equipment.
- c) Crane Equipment.
- d) Back shovels.

No 10 Sets tools and Servicing Equipment for Mechanical Shovel Excavators of type supplied.

Spare parts, etc. necessary to scale for 12 months for maintenance, of Mechanical Shovel Excavators and Equipment supplied.

No 30 Air Compressors, capacity 500 cubic feet free air per minute complete with all accessories, tools and servicing equipment.

No 30 Air Compressors, capacity 250 cubic feet free air per minute complete with all accessories, tools and servicing equipment. Spare parts, etc. to scale necessary for 12 months maintenance of six Air Compressors supplied.

It. Run. 15,000 - Pneumatic Hose, to size suitable to air compressors supplied, to be supplied in lengths of 50, feet together with all necessary couplings, etc.

No 120 Pneumatic Concrete Breakers, large size, complete with spare parts for normal maintenance.

No 1000 Bits for Concrete Breakers, Pointed.

No 1000 Bits for Concrete Breakers, Chisel Pointed.

No 240 Pneumatic Concrete Breakers, Small size, complete with spare parts for normal maintenance.

No 2000 Bits for Concrete Breakers, Pointed.

No 2000 Bits for Concrete Breakers, Chisel Pointed.

No 500 Bits for Concrete Breakers, Clay Spades.

952

supplied complete with:

- a) Forward Crowd Shovel Equipment,
- b) Dragline Equipment,
- c) Crane Equipment,
- d) Jack set.

No 10 sets tools and Servicing Equipment for Mechanical Shovel Excavators of type supplied.

Spare parts, etc. necessary to scale for 12 months for maintenance, of Mechanical Shovel Excavators and Equipment supplied.

No 30 Air Compressors, capacity 500 cubic feet free air per minute complete with all accessories, tools and servicing equipment.

No 30 Air Compressors, capacity 250 cubic feet free air per minute complete with all accessories, tools and servicing equipment.

Spare parts, etc. to scale necessary for 1 months maintenance of air Air Compressors supplied.

Ft. Run. 15,000 - Pneumatic Hose, to size suitable to air compressors supplied, to be supplied in lengths of 50, feet together with all necessary couplings, etc.

No 120 Pneumatic Concrete Breakers, large size, complete with spare parts for normal maintenance.

No 1000 Bits for Concrete Breakers, Pointed.

No 1000 Bits for Concrete Breakers, Chisel Pointed.

No 240 Pneumatic Concrete Breakers, Small size, complete with spare parts for normal maintenance.

No 2000 Bits for Concrete Breakers, Pointed.

No 2000 Bits for Concrete Breakers, Chisel Pointed.

No 500 Bits for Concrete Breakers, Clay Spades.

No 120 Pneumatic Rivetting Hammers, Medium size, complete with spares and spare parts for normal maintenance.

No 120 Pneumatic Rivetting Hammers, Large size, complete with spares and parts for normal maintenance.

No 120 Pneumatic Holders Up, Large size, complete with spare parts for normal maintenance.

No 120 Pneumatic Holders Up, Medium size, complete with spare parts for normal maintenance.

No 10 Pile Driving Frames, 20 mts high, complete with steam winches, rollers, 2 tons drop hammers and all necessary ropes, connections and fittings.

912

No 5 Single Acting, Steam Pile Driving Hammers, Size 3 tons net weight, complete with all necessary hoses, fittings, guides, &

No 5 Double Acting Pile Driving Hammers (Steam or Compressed Air), Size 2 tons net weight, complete with all necessary hoses, fittings, guides, etc.

No 10 Pumps, diaphragm contractors 4" - 12 ft Suction Gasoline or Diesel driven, complete with suction hose, foot valve & delivery hose.

No 5 Pumps centrifugal, 4" x 12 ft Suction Diesel Driven, complete with Suction and delivery hose, foot valve, Tools, etc.

for 10 Pumps. 12 months spare parts for 4" diaphragm pumps including diaphragms.

for 5 Pumps. 4" Centrifugal. 12 months spare parts.

W. Lee L. Lee

for 10 Pumps. 12 months spare parts for 4" diaphragm pumps including diaphragms.

for 5 Pumps. 4" Centrifugal. 12 months spare parts.

W. Lee

951

1800