DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
984 -989	4642 -4647	594	Wire	Itemized from 594
990 -1005	4648 -4663	594	Pole	
1006	161	161	Transformer	OD 5/4
1007	160	160	"	"
1008	4664	160	"	Itemized from 160
1009 -1012	4665 -4668	160	Switch Gear	"
1013	4669	160	Steel Structure	"
1014	4670	160	Bus and Wiring	"
1015	4671	160	Insulator	"
1016	4672	160	Cable Head	"
1017	444	444	Transformer	OD 5/4
1018	443	443	"	"
1019	442	442	"	"
1020	441	441	"	"
1021	440	440	"	"
1022	439	439	"	"
1023	1100	1100	"	OD 5/10
1024	1101	1101	"	"
1025	446	446	Switch Gear	OD 5/4
1026	445	445	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNBS No.

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
1027 -1032	4673 -4678	445	Switch Gear	Itemized from 445
1033	4679	445	Steel Structure	"
1034	4680	445	Insulator	"
1035	4681	445	Bus Bar	"
1036 -1037	202 -203	202 -203	Transformer	OD 5/4
1038 -1040	4682 -4684	203	Switch Gear	Itemized from 203
1041	4685	203	Steel Structure	"
1042	4686	203	Insulator	"
1043	4687	203	Bus and Wiring	"
1044	4688	203	Cable Head	"
1045	4689	175	Transformer	Itemized from 175
1046	174	174	"	OD 5/4
1047	175	175	"	"
1048 -1051	4690 -4693	175	Switch Gear	Itemized from 175
1052	4694	175	Cable Head	"
1053	4695	175	Steel Structure	"
1054	4696	175	Insulator	"
1055	4697	175	Bus and Wiring	"
1056 -1057	149 -150	149 -150	Transformer	OD 5/4
1058	4698	150	Switch Gear	Itemized from 150

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. [illegible]

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Navhien and Equipment	Remarks
1059	4699	150	Switch Gear	Itemized from 150
1060	4700	150	Steel Structure	"
1061	4701	150	Insulator	"
1062	4702	150	Bus and Wiring	"
1063	4703	150	Cable Head	"
1064 -1065	117 -118	117 -118	Transfomer	OD 5/4
1066 -1067	4704 -4705	118	"	Itemized from 118
1068 -1071	4706 -4709	118	Switch Gear	"
1072	4710	118	Steel Structure	"
1073	4711	118	Insulator	"
1074	4712	118	Bus and Wiring	"
1075	4713	118	Cable Head	"
1076 -1077	91 -92	91 -92	Transformer	OD 5/4
1078	4714	92	"	Itemized from 92
1079 -1082	4715 -4718	92	Switch Gear	"
1083	4719	92	Bus and Bar	"
1084	4720	92	Insulator	"
1085	4721	92	Steel Structure	"
1086	4722	92	Cable Head	"
1087	79	79	Transformer	OD 5/4
1088	4723	79	Switch Gear	Itemized from 79

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. [illegible]

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
	13-52	13-52		
1089	4724	79	Switch Gear	Itemized from 79
1090	4725	79	Bus and Wiring	"
1091	4726	79	Insulator	"
1092	4727	79	Steel Strucrure	"
1093	4728	79	Cable Head	"
1094	75	75	Transformer	OD 5/4
1095	68	68	"	"
1096 -1097	4729 -4730	68	Switch Gear	Itemized from 68
1098	4731	68	Steel Structure	"
1099	4732	68	Insulator	"
1100	4733	68	Cable Head	"
1101	4734	68	Bus and Wiring	"
1102	662	662	Transformer	OD 5/4
1103	661	661	"	"
1104	4735	661	Steel Structure	Itemized from 661
1105	4736	661	Insulator	"
1106	4737	661	Cable Head	"
1107	478	478	Transformer	OD 5/4
1108 -1111	480 -482	480 -482	"	"
1112	487	487	"	"
1113	486	486	"	"
1114	485	485	"	"
1115	4738	485	Switch Gear	Itemized from 485
1116	4739	485	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNBS NO.

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
	13-52	13-52		
1117	4740	485	Switch Gear	Itemized from 485
1118 -1126	4741 -4749	485	"	"
1127 -1128	4750 -4751	485	Switch Box	"
1129 -1132	4752 -4755	485	Switch Gear	"
1133	4756	485	Cable Head	"
1134	4757	485	Steel Structure	"
1135	4758	485	Insulator	"
1136	4759	485	Bus and Wiring	"
1137	4760	587	Transformer	Itemized from 587
1138	4761	587	"	"
1139	4762	587	Steel Structure	"
1140	4763	587	Arrester	"
1141	4764	587	Switch	"
1142	4765	587	Insulator	"
1143	4766	587	Wiring	"
1144	603	603	Transformer	OD 3/4
1145	692	692	"	"
1146	693	693	"	"
1147	694	694	"	"
1148	695	695	"	"
1149	4767	695	Switch Gear	Itemized from 695

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. [illegible]

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
	13-52	13-52		
1150	4768	695	Switch Gear	Itemized from 695
1151 -1153	4769 -4771	695	"	"
1154	4772	695	Steel Structure	"
1155	4773	695	Insulator	"
1156	4774	695	Bus Bar	"
1157	4775	695	Cable Head	"
1158 -1159	724 -725	724 -725	Transformer	OD 5/4
1160 -1165	4776 -4781	725	Switch Gear	Itemized from 725
1166	4782	725	Steel Structure	"
1167	4783	725	Bus Bar	"
1168	4784	725	Insulator	"
1169	4785	725	Cable Head	"
1170	599	599	Transformer	OD 5/4
1171 -1172	4786 -4787	599	"	Itemized from 599
1173	4788	599	Auto Transformer	"
1174 -1180	4789 -4795	599	Switch Gear	"
1181	4796	599	Insulator	"
1182	4797	599	Steel Structure	"
1183	4798	599	Bus and Wiring	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. [illegible]

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
	13-52	13-52		
1184	631	631	Transformer	OD 5/4
1185	4799	631	"	Itemized from 631
1187 -1196	4800 -4810	631	Switch Gear	"
1197	4811	631	Pole Switch	"
1198	4812	631	Insulator	"
1199	4813	631	Cable Head	"
1200	4814	631	Steel Structure	"
1201	4815	631	Bus Bar	"
1202	1245	1245	Transformer	OD 5/10
1203	1244	1244	"	"
1204	1268	1268	"	"
1205	1247	1247	"	"
1206	1264	1264	"	"
1207	1263	1263	"	"
1208	1262	1262	"	"
1209	1255	1255	"	"
1210	1246	1246	"	"
1211	1242	1242	"	"
1212	1243	1243	"	"
1213	1251	1251	"	"
1214	1256	1256	"	"
1215	1270	1270	"	"
1216	1271	1271	"	"
1217	1272	1272	"	"
1218	1239	1239	"	"
1219	1265	1265	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS No.

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
1220	13-52 1266	13-52 1266	Transformer	OD 5/10
1221	1267	1267	"	"
1222	1269	1269	"	"
1223	1097	1097	"	"
1224	1098	1098	"	"
1225	1099	1099	"	"
1226	1240	1240	"	"
1227	1241	1241	"	"
1228	1249	1249	"	"
1229	1250	1250	"	"
1230	1261	1261	"	"
1231	1253	1253	"	"
1232	1254	1254	"	"
1233	1257	1257	"	"
1234	1258	1258	"	"
1235	1259	1259	"	"
1236	1260	1260	"	"
1237	701	701	"	"
1238	702	702	"	"
1239	4816		Electric Lightning Equip.	Not inventoried formerly
1240	37	37	Drilling Machine	OD5/4
1241	311	311	" radial	"
1242	222	222	" "	"
1243	408	408	" "	"
1244	221	221	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNBS No.

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
	13-52	13-52		
1245	35	35	Drilling Machine	OD 5/4
1246 -1255	842 -851	842 -851	Surface Plate	OD 5/10
1256	235	235	Gear Hobber	OD 5/4
1257	45	45	Threading Machine	"
1258	264	264	Grinder, tool	"
1259 -1261	258 -260	258 -260	" Stand & Snagging	"
1262 -1264	261 -263	261 -263	" tool	"
1265	251	251	"	"
1266 -1270	253 -257	253 -257	" stand & snagging	"
1271 -1285	1185 -1199	1185 -1199	Portable Machine, pneumatic hammer	OD 5/10
1286 -1292	241 -247	241 -247	Lathe, engine	OD 5/4
1293	228	228	"	"
1294	230	230	"	"
1295	231	231	"	"
1296	52	52	"	"
1297	318	318	"	"
1298	273	273	"	"
1299	329	329	"	"
1300	252	252	"	"
1301 -1308	330 -337	330 -337	"	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
	13-52	13-52		
1309	348	348	Lathe, engine	OD 5/4
1310	678	678	Chain Block	"
-1312	-680	-680		
1313	236	236	Milling Machine	"
-1317	-240	-240		
1318	38	38	Planer,	"
1319	40	40	Shaper , horizontal	"
1320	224	224	"	"
1321	225	225	"	"
1322	352	352	"	"
1323	355	355	Slotter	"
1324	356	356	"	"
1325	360	360	"	"
1326	326	326	Planer, double housing	"
1327	769	769	Pump, centrifugal	"
1328	449	449	Oil Separator, centrifugal	"
1329	123	123	Heating Furnace, elect	"
1330	689	689	"	"
1331	807	807	"	"
1332	54	54	Manual Press	"
1333	437	437	"	"
1334	323	323	Boring Machine	"
1335	406	406	"	"
1336	426	426	Travelling Crane, overhead bridge	"

DECLASSIFIED E.O. 12065 SECTION 3 402, MDS No.

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
1337	13-52 427	13-52 427	Travelling Crane, overhead bridge	CD 5/4
-1346	-436	-436		
1347	453	453	Welding Machine, Elect.	"
-1349	-456	-456		
1350	642	642	Lathe, engine	"
-1353	-645	-645		
1354	649	649	Milling Machine, universal	"
1355	648	648	Shaper, horizontal	"
1356	646	646	Drilling Machine, Vertical	"
1357	7969	796	Polishing Machine	"
1358	641	641	Sawing Machine, hack	"
1359	801	801	Portable Machine, elect. grinder	"
1360	655	655	Testing Machine, tension	"
1361	656	656	" strength of material	"
1362	657	657	Testing machine, impact	"
1363	800	800	Testing machine, ~~pressure~~ Pressure	"
1364	651	651	Testing Machine, ~~pressure~~ fatigue	"
1365	653	653	Testing Machine, ~~fatigue~~ hardness	"
1366	654	654	Testing Machine, hardness	"
1367	652	652	" "	"
1368	802	802	Heating Furnace, elect	"
1369	808	808	" "	"
-1370	-809	-809		
1371	810	810	Drying Furnace, elect	
1372	1313	1313	Melting Furnace, slit	Authorized Use for Evaluation 2
1373	1312	1312	" "	"
1374	1311	1311	" "	"

DECLASSIFIED E.O. 12065 SECTION 3 NRS NO.

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
1375	13-52	13-52	Camera	Authorized for Use for Evaluation
-1376	-1362	-1362		
	-1363	-1363		
1377	1318	1318	Printer, photographic	"
1378	1317	1317	Enlarger, photographic	"
1379	1102	1102	Switch Gear	OD 5/10
-1380	-1103	-1103		
1381	1301	1301	Transformer	Atuhorized for Use for Evaluation
1382	1302	1302	"	"
1383	1300	1300	"	"
1384	1354	1354	Pyrometer	"
1385	1353	1353	"	"
1386	1355	1355	"	"
1387	795	795	Metal Microscope	OD 5/4
1388	853	853	Surface Plate	OD 5/10
1389	798	798	Blue Printing Machine	OD 5/4
1390	799	799	Applying Machine, for blue print	"
1391	1292	1292	Chemical Balance	Authorized for Use for Evaluation
-1396	-1297	-1297		
1397	591	591	Pump, centrifugal	OD 5/4
-1399	-593	-593		
1400	589	589	Vacuam Pump, air	"
-1401	-590	-590		
1402	587	587	Pump, turbine	"
1403	3338	587	"	Itemized from 587

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
	13-52	13-52		
1404	3339	587	Pump, turbine	Itemized from 587
1405 -1412	3340 -3347	587	Pump, centrifugal	"
1413 -1414	3348 -3349	587	Vacuam Pump, air	"
1415 -1416	3350 -3351	587	Water Gauge	"
1417 -1419	3352 -3354	587	Water Level Indicator	"
1420 -1421	3355 -3356	587	Sterilizer	"
1422	3357	587	Pump, turbine	"
1423 -1425	3358 -3360	587	Flow Controling Apparatus	"
1426 -1429	3361 -3364	587	Mixer	"
1430	3365	587	Pump, centrifugal	"
1431	23	23	Motor Generator	OD 5/4
1432 -1434	3142 -3144	587	Switch Gear	Itemeized from 587
1435	598	598	Drilling Machine	OD 5/4
1436	36	36	"	"
1437 -1438	58 -59	58 -59	Grinder, stand & snagging	"
1439	596	596	Lathe, engine	"
1440	41	41	Planer, open side	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSS No. [illegible]

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
	13-52	13-52		
1441	39	39	Slotter	OD5/4
1442	743	743	Cut off and Sawing, hack	"
1443	1140	1140	Portable Machine, elect. Drilling	OD 5/10
1444 -1447	1162 -1165	1162 -1165	"	"
1448	20	20	Locomotive, elect.	OD 5/4
1449	659	659	"	"
1450	47	47	Compressor, air	"
1451 -1454	195 -198	195 -198	Compressor, air	"
1455	152	152	Pump, centrifugal	"
1456	155	155	" "	"
1457	200	200	" "	"
1458	218	218	Conveyer, portable	"
1459 -1462	493 -496	493 -496	" "	"
1463 -1466	205 -208	205 -208	Travelling Crane, overhead bridge	"
1467	585	585	"	"
1468	1	1	Crane, jib	"
1469	3	3	"	"
1470	5	5	"	"
1471	7	7	"	"
1472	8	8	"	"
1473	15	15	"	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
	13-52	13-52		
1474	53	53	Travelling Crane overhead bridge	OD 5/4
1475	204	204	"	
1476	212	212	"	"
1477	464	464	"	"
-1480	-467	-467	"	"
1481	511	511		"
1482	686	686	Winch, elect.	
-1483	-687	-687		
1484	1007	1007	Winch, hand	OD 5/10
1485	966	966	Chain Block	"
-1486	-967			
1487	1002	1002	"	"
-1488	-1003	-1003		
1489	1001	1001	"	
1490	699	699	"	OD 5/4
1491	1004	1004	"	OD 5/10
1492	698	698	"	OD 5/4
1493	700	700	"	"
1494	1005	1005	"	OD 5/10
-1495	-1006	-1006		
1496	518	518	Motor, A.C. Induc.	OD 5/4
1497	528	528	"	
1498	530	530	"	"
-1499	-531	-531		
1500	533	533	"	"
-1501	-534	-534		
1502	971	971	"	OD 5/10
-1526	-995	-995		
1527	1161	1161	"	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS No.

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
	13-52	13-52		
1528	1252	1252	Transformer	OD 5/10
1529	25	25	"	OD 5/4
-1532	-28	-28		
1533	471	471	"	"
-1534	-472	-472		
1535	588	588	"	"
1536	605	605	"	"
-1537	-606	-606		
1538	613	613	"	"
1539	619	619	"	"
1540	628	628	"	"
1541	696	696	"	"
-1542	-697	-697		
1543	719	719	"	"
-1544	-720	-720		
1545	627	627	"	"
1546	682	682	"	"
1547	761	761	Transformer, testing	"
1548	793	793	Transformer	"
-1549	-794	-794		
1550	1248	1248	"	OD 5/10
1551	22	22	Generator, motor coupled	OD 5/4
1552	3366	22	Switch Gear	Itemized from 22
1553	1331	1331	Potential Transformer,	Authorized for
-1554	-1332	-1332	,portable	Use for Evalu.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
	13-52	13-52		
1555	600	600	Motor Generator	OD5/4
1556	666	666	Planer, wood working	"
1557	665	665	" "	"
1558	458	458	Gas Generator, acetylene	"
1559	104	104	" "	"
1560	852	852	Surface Plate	OD"5/10
1561	855	855	"	"
1562	803	803	Heating Furnace, elect.	OD 5/4
1563 -1564	805 -806	805 -806	"	"
1565	804	804	" Gas	"
1566	3367	804	Motor, A.C. Induc.	Itemized from 804
1567	450	450	Oil Separator, centrifugal	OD 5/4
1568	685	685	Concrete Mixer	"
1569 -1570	1315 -1316	1315 -1316	Ammeter, portable	Authorized for Use for Evalu.
1571 -1574	1333 -1336	1333 -1336	Meg Ohm Meter	"
1575 -1578	1337 -1340	1337 -1340	Volt Meter, portable	"
1579 -1584	1341 -1346	1341 -1346	Ammeter, portable	"
1585 -1588	1347 -1350	1347 -1350	Watt Meter, portable	"
1589	1352	1352	Ground Ohm Meter	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

Evaluation Item No.	Evaluation Inventory No.	Former Inventory No.	Name of Machine and Equipment	Remarks
	13-52	13-52		
1590	491	491	Balence, floor type	OD 5/4
-1591	-492	-492		
1592	617	617	"	"
1593	1298	1298	Balance, chemical	Authorized for
-1594	-1299	-1299		Use for Evalu.
1595	1328	1328	Hydrometer	"
-1597	-1330	-1330		
1598	1351	1351	Lux Meter	"
1599	1319	1319	Printer, X-ray Photo.	"
1600	1320	1320	X-ray Apparatus, portable	"
1601	1321	1321	" hospital use	"
1602	1322	1322	" Indirect Photo.	"
1603	1323	1323	Ultra Violet Ray Appa.	"
1604	1324	1324	Infra Red Ray Appa.	"
1605	1325	1325	Radiotherapy	"
1606	1326	1326	Precipitator, elect.	"
1607	1327	1327	X-ray Appa. Dental	"
1608	1135	1135	Motor, A.C. Induc.	OD 5/10
1609	914	914	"	"
-1660	-965	-965		
1661	856	856	Industrial Trackage,	
-1662	-857	-857	straight	"
1663	858	858	Industrial Trackage	"
-1718	-913	-913	Point	
1719	968	968	Chain Block	"
-1721	-970	-970		
1722	51	51	Welding Machine, elect.	OD 5/4
1723	451	451	"	
-1724	-452	-452		

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS No.

HARIMA FACTORY OF EX-OSAKA MILITARY ARSENAL

7th Oct. 1948

SUBJECT : Application for Approval of ex-machinery and insturments.

TO : Commander, Hyogo military Government Team.

Machines and instruments which were brought into our workshop by 30 th Aug. 1948 for the purpose of rolling stock repair work have been carefully checked and marked with "EX" serial numbers as usual.

Approval of this is here requested and enclosing a list of said machinery and instruments a favorable consideration about the matter is asked for.

Susumu Hashima

Susumu Hashima

Chief of Harima Factory of

EX-Osaka Military Arsenal

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS No:

HAND TOOLS, ACCESSORIES, EXPENDABLE SUPPLIES, FURNITURES AND MISCELLANEOUS ITEMS EXEMPTED FROM REPARATIONS REMOVAL

Plant Code No: 13 - 52

Name of Plant: Harima Factory of Osaka Military Arsenal

Item No.	Description	Quantity
	(1) Accessories	
1	Anvil	9
2	Ingot Case	150
3	Moulding Flask	242
4	Cart, Hand, Wood	33
5	Scoop, for Coal	22
6	Drill Socket	134
7	Drill Chuck	49
8	Jack	17
9	Sand Riddle	48
10	Hoist Attachment	14
11	Glass (Dust Protector)	30
12	Air Hose	110 m
13	Grease Pump	2
14	Acetylene Gas Producer	3
	(2) Cutting Tools	
15	Saw Blade, (Band Saw)	595 m
16	Saw Blade, (Circular Saw)	47
17	Saw Blade, (Hack Saw)	300
18	Drill, Twist	5700
19	Drill, Flat	291
20	Planer Cutter, (Wood Planer)	46
21	Tool, (Lathe)	5456
22	Milling Cutter	1402
23	Hob Cutter	847
24	Reamer	295
	(3) Machinist Hand Tools	
25	Wrench	1415
26	" (Box Type)	74 set
27	Chisel	406
28	Tongs	60
29	Swage	15
30	Caliper	22
31	Hammer	602
32	Die, (Screw Thread)	261 set
33	File	3421
34	Snap	637

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO: [illegible]

Item No.	Description	Quantity
	(4) Measuring Instrument	
35	Pitch Gauge	4 set
36	Micrometer	84
37	Level	9
38	Drawing Instrument	5
39	Rule	159
40	Vernier Caliper	139
41	Thickness Gauge	9
42	Revolution Indicator	4
43	Thermometer	1
44	Flashing Point Tester	1
45	Dial Indicator	6
46	Gauge, Tyre Measuring	14
47	Meg, Ohm Meter	1
48	Balance	1
	(5) Carpenter's Tools	
49	Planer, Hand	883
50	Chipping Shave	43
51	Rule	10
52	Nail Puller	63
53	Hand Drill	46
54	Hack Saw, Hand	261
55	Chisel, Wood	1452
56	Gimlet	573
57	Axe	42
	(6) Business Machine	
58	Calculator	9
59	Time Recorder	10
60	Drawing Board	35
61	Mimeograph	27
62	Paper Holder	4
63	Paper Punching	2
64	Number Stamping	4
65	Slide Rule	4
66	Mimeograph Steel	17
67	Typewriter, Japanese	6
68	Typewriter, English	1
	(7) Office Furniture	
69	Card Rack	14
70	Safe	25
71	Baby Organ	1
72	Chair	933
73	Table	1636
74	Case	727
75	Bulletin Board	62

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS RS:

Item No.	Description	Quantity
	(7) Office Furniture (Cont'd)	
76	Umbrella Stand	3
77	Box, Miscellaneous	832
78	Clog Box	10
79	Screen	45
80	Carpet	4
81	Bench	682
82	Easy Chair	6
83	Chest of Drawers	17
84	Electric Stand	11
85	Clock	18
86	Electric Heater	10
87	Coat Hunger	33
88	Kettle	12
89	Radio	2
90	Ice Box	14
91	Electric Iron	11
	(8) Miscellaneous	
92	Ladder	7
93	Barber Chair	5
94	Mirror	4
95	Table, Hospital Use	71
96	Working Table, Chemical	7
97	Frame, Blue Printing	1
98	Chemicals Case	22
99	Bed	64
100	Operating Table	7
101	Washing Stand	5
102	Steam Sterilizing Boiler	2
103	Waste Can	18
104	Gauge Can	64
105	Medicine Bottle Stand	9
106	Sink	3

----- Nothing Follows -----

DECLASSIFIED E.O. 12065 SECTION 3-402/NNBS No:

EQUIPMENT EXEMPTED FROM REPARATIONS REMOVAL

Plant Code No: 13 - 52

Name of Plant: Harima Factory of Osaka Military Arsenal

Inventory Code No.	Name of Equipment	Quantity
	(1) Passenger Car Repair Shop	
2334-EX	Worthington Pump	1
2335-EX	Motor	1
2336-EX & 2337-EX	Surface Plate	2
2347-EX	Dying Machine	1
	(2) Finishing Shop	
2348-EX	Drilling Machine (Bench Type)	1
2349-EX	Blower, Electric	1
2350-EX & 2351-EX	Melting Furnace	2
2352-EX	Heating Furnace	1
2357-EX & [illegible]	Lathe	1
2375-EX & 2376-EX	Hoist, Electric	2
2377-EX	Tyre Clamping Hammer	1
2378	Lathe, Turret	1
	(3) Steel Working Shop	
2360-EX	Heating Furnace, Electric	1
2356-EX	Electric Welder	1
2361-EX - 2367-EX	"	7
2369-EX - 2374-EX	"	6
2353-EX - 2355-EX	Surface Plate	3
2339-EX & 2340-EX	Ladle	2
	(4) Forging Shop	
2342-EX	Sawing Machine Circular	1
2343-EX	Saw Filer	1
2345-EX	Air Tank	1
2346-EX	Grinding Machine	1
	(5) Machine Shop	
2348-EX	Pump	1
2359-EX	Motor	1
	(6) Reclaiming Shop	
2330-EX	Sawing Machine Circular Wood Working	1

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DECLASSIFIED E.O. 12065 SECTION 3 (E)(1) NARA DATE

EQUIPMENT EXEMPTED FROM REPARATIONS REMOVAL

Plant Code No: 13 - 52

Name of Plant: Harima Factory of Osaka Military Arsenal

Inventory Code No.	Name of Equipment	Quantity
	(1) Passenger Car Repair Shop	
2334-EX	Worthington Pump	1
2335-EX	Motor	1
2336-EX & 2337-EX	Surface Plate	2
2347-EX	Dying Machine	1
	(2) Finishing Shop	
2348-EX	Drilling Machine (Bench Type)	1
2349-EX	Blower, Electric	1
2350-EX & 2351-EX	Melting Furnace	2
2352-EX	Heating Furnace	1
2357-EX	Lathe	1
2375-EX & 2376-EX	Hoist, Electric	2
2377-EX	Tyre Clamping Hammer	1
2378	Lathe, Turret	1
	(3) Steel Working Shop	
2360-EX	Heating Furnace, Electric	1
2356-EX	Electric Welder	1
2361-EX - 2367-EX	"	7
2369-EX - 2374-EX	"	6
2353-EX - 2355-EX	Surface Plate	3
2339-EX & 2340-EX	Ladle	2
	(4) Forging Shop	
2342-EX	Sawing Machine Circular	1
2343-EX	Saw Filer	1
2345-EX	Air Tank	1
2340-EX	Grinding Machine	1
	(5) Machine Shop	
2348-EX	Pump	1
2359-EX	Motor	1
	(6) Reclaiming Shop	
2336-EX	Sawing Machine Circular Wood Working	1

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DECLASSIFIED E.O. 12065 SECTION 3 (E), NARS DATE

Inventory Code No.	Name of Equipment	Quantity
4001-EX - 4044-EX	Portable Drill, Pneumatic	44
4045-EX - 4049-EX	Portable Drill, Electric	5
4050-EX - 4051-EX	Drilling Machine, Bench Type	2
4052-EX - 4055-EX	Hoist, Hand Chain	4
4056-EX & 4057-EX	Truck, Gasoline	2
4058-EX	Automobile, Gasoline	1
4059-EX	Trailer	1
4060-EX - 4066-EX	Hoist, Hand Chain	7
4067-EX - 4071-EX	Gas Burner Welder	5
4072-EX	Portable Riveting Machine, Pneumatic	1
4073-EX	Grinder, Bench Type	1
4074-EX & 4075-EX	Gas Burner Welder	2
4076-EX - 4087-EX	Portable Drill, Electric	12
4088-EX & 4089-EX	Portable Grinder, Electric	2
4090-EX - 4112-EX	Portable Hammer, Pneumatic	23
4113-EX - 4115-EX	Portable Grinder, Pneumatic	3
4116-EX - 4127-EX	Gas Burner Welder	12
4128-EX - 4139-EX	Gas Burner, Cutting	12
4140-EX	Auto Cutting Machine	1
4141-EX - 4143-EX	Portable Drill, Electric	3
4144-EX - 4164-EX	Portable Hammer, Pneumatic	21
4165-EX - 4171-EX	Portable Grinder Pneumatic	7
4172-EX - 4202-EX	Gas Burner Welder	31
4203-EX - 4228-EX	Gas Burner, Cutting	26
4229-EX	Auto Gas Burner Cutting Machine	1
4230-EX - 4233-EX	Portable Drill, Electric	4
4234-EX	Portable Grinder, Electric	1
4235-EX	Grinding Machine, Bench Type	1
4236-EX	Winch, Hand	1
4237-EX - 4254-EX	Gas Burner Welder	18
4255-EX - 4267-EX	Gas Burner Cutter	13
4268-EX	Drilling Machine, Bench Type	1
4269-EX - 4278-EX	Portable Hammer, Pneumatic Stamping	10
4279-EX	Grinding Machine Bench Type	1
4280-EX - 4296-EX	Portable Hammer, Pneumatic	17
4297-EX - 4304-EX	Hoist-Hand Chain	8

DECLASSIFIED E.O. 12065 SECTION 3 (E), NARS NO.

HAND TOOLS, ACCESSORIES, EXPENDABLE SUPPLIES, FURNITURES AND MISCELLANEOUS ITEMS EXEMPTED FROM REPARATIONS REMOVAL

Plant Code No: 13 - 52

Name of Plant: Harima Factory of Osaka Military Arsenal

Item No.	Description	Quantity
	(1) Accessories	
1	Anvil	9
2	Ingot Case	150
3	Moulding Flask	242
4	Cart, Hand, Wood	33
5	Scoop, for Coal	22
6	Drill Socket	134
7	Drill Chuck	49
8	Jack	17
9	Sand Riddle	48
10	Hoist Attachment	14
11	Glass (Dust Protector)	30
12	Air Hose	110 m
13	Grease Pump	2
14	Acetylene Gas Producer	3
	(2) Cutting Tools	
15	Saw Blade, (Band Saw)	595 m
16	Saw Blade, (Circular Saw)	47
17	Saw Blade, (Hack Saw)	300
18	Drill, Twist	5966
19	Drill, Flat	291
20	Planer Cutter, (Wood Planer)	46
21	Tool, (Lathe)	5456
22	Milling Cutter	1402
23	Hob Cutter	847
24	Reamer	295
	(3) Machinist Hand Tools	
25	Wrench	1415
26	" (Box Type)	74 set
27	Chisel	406
28	Tongs	60
29	Swage	15
30	Caliper	22
31	Hammer	602
32	Die, (Screw Thread)	261 set
33	File	3421
34	Snap	637

DECLASSIFIED E.O. 11652 SECTION 3 (E), NARS DATE

Item No.	Description	Quantity
	(4) Measuring Instrument	
35	Pitch Gauge	4 set
36	Micrometer	84
37	Level	9
38	Drawing Instrument	5
39	Rule	159
40	Vernier Caliper	139
41	Thickness Gauge	9
42	Revolution Indicator	4
43	Thermometer	1
44	Flashing Point Tester	1
45	Dial Indicator	6
46	Gauge, Tyre Measuring	14
47	Meg, Ohm Meter	1
48	Balance	1
	(5) Carpenter's Tools	
49	Planer, Hand	883
50	Chipping Shave	43
51	Rule	10
52	Nail Puller	63
53	Hand Drill	46
54	Hack Saw, Hand	261
55	Chisel, Wood	1452
56	Gimlet	573
57	Axe	42
	(6) Business Machine	
58	Calculator	9
59	Time Recorder	10
60	Drawing Board	35
61	Mimeograph	27
62	Paper Holder	4
63	Paper Punching	2
64	Number Stamping	4
65	Slide Rule	4
66	Mimeograph Steel	17
67	Typewriter, Japanese	6
68	Typewriter, English	1
	(7) Office Furniture	
69	Card Rack	14
70	Safe	25
71	Baby Organ	1
72	Chair	933
73	Table	1636
74	Case	727
75	Bulletin Board	62

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 71 1 0 1

Item No.	Description	Quantity
	(7) Office Furniture (Cont'd)	
76	Umbrella Stand	3
77	Box, Miscellaneous	832
78	Clog Box	10
79	Screen	45
80	Carpet	4
81	Bench	682
82	Easy Chair	6
83	Chest of Drawers	17
84	Electric Stand	11
85	Clock	18
86	Electric Heater	10
87	Coat Hanger	33
88	Kettle	12
89	Radio	2
90	Ice Box	14
91	Electric Iron	11
	(8) Miscellaneous	
92	Ladder	7
93	Barber Chair	5
94	Mirror	4
95	Table, Hospital Use	71
96	Working Table, Chemical	7
97	Frame, Blue Printing	1
98	Chemicals Case	22
99	Bed	64
100	Operating Table	7
101	Washing Stand	5
102	Steam Sterilizing Boiler	2
103	Waste Can	18
104	Gauge Can	64
105	Medicine Bottle Stand	9
106	Sink	3

- - - - - Nothing Follows - - - - -

DECLASSIFIED E.O. 11652 SECTION 3 (E)(1)(2) NARS NO.

TAKASAGO RAILWAY WORKSHOP

(Harima Factory of EX-Osaka Military Arsenal)

5th Sept. 1948

SUBJECT : Application for Approval of "EX" machinery and instrument.

TO : Commander, Hyogo Military Government Team.

Here is requested the application for exemption from Reparations removal for those machinery and instruments which have been brought from outside into Taksago Railway Workshop by 30th Aug. 1948.

List of the machinery and instrument are shown as annexed paper.

Susumu Hashima

Susumu Hashima
Chief of the Takasago Railway-
Workshop,
Osaka Railway Division,
Japanese Government

DECLASSIFIED E.O. 12065 SECTION 3 (E)(1) NARS DATE

MACHINERY AND EQUIPMENT

EXEMPTED FROM REPARATIONS REMOVAL
(Additional No.2 - 13/10/48)

Plant Code No. : 13 - 52

Name of Plant : Harima Factory of Osaka Military Arsenal

Inventory Code No.	Name of Equipment	Year Installed	Remarks	Quantity
	(1) Foundry Shop			
5230-EX	Pneumatic Stamping Machine	17 Apr. 48	Purchased	
5231-EX -5236-EX	Pneumatic Hammer	30 Jul. 48	"	
5237-EX	Portable Drill, electic	23 Jun. 48	"	
5238-EX	Grinding Machine	"	"	
5239-EX	Gas Burner, cutting	7 Jun. 48	"	
5240-EX -5250-EX	"	30 Jun. 48	"	
5251-EX -5263-Ex	Gas Burner, welding	7 Jun. 48	"	
5264-EX	Balance	21 Apr. 48	"	
5265-EX	Surface Plate, moulding	23 Jul. 48	"	
5266-EX	Pyrometer	23 Jul. 48	"	
	(2) Forging Shop			
2111-EX	Hoist, electric	15 Jul. 48	"	1
2119-EX	Grinding Machine	"	"	1
2161-EX	Blower	"	"	1
2209-EX	Heating Furnace	"	"	1
2223-EX -	Tank, oil	"	"	4
2224-EX	"	"	"	
2325-EX	"	"	"	
2326-EX	"	"	"	
2327-EX	Jib Crane	"	"	3
2328-EX	"	"	"	
2333-EX	"	"	"	

DECLASSIFIED E.O. 12065 SECTION 3 NND NO.

Code No.	Name of Equipment	Quantity	Year Installed	Remarks
5267-EX	Portable Drill, elct.		23 Jun. 48	Purchased
-5268-EX	Gas Burner, cutting		25 Jun. 48	"
-5269-EX				
	(2) (Machine Shop			
2016-EX	Grinder	1	15 Aug. 48	from Takatori Workshop
2122-EX-	Watt Meter	2	"	"
2123-EX	"		"	"
2127-EX	Motor	1	"	"
2146-EX	O.C.B.	1	"	"
2148-EX	Pump, centrifugal	1	"	"
2152-EX	Motor	2	"	"
& 2155-EX	"		"	"
2212-EX	Surface Plate	2	"	"
& 2216-EX	"		"	"
2220-EX	Motor	1	"	"
2231-EX	"	1	"	"
2249-EX	"	1	"	"
2260-EX	"	1	"	"
2261-EX	"	1	"	"
2267-EX	Magnet Bell	1	"	"
2272-EX	Surface Plate	1	"	"
2277-EX	Motor	1	"	"
2278-EX	Hydraulic Pump	1	"	"
2282-EX	Motor	1	"	"
2368-EX	Surface Plate		19 Jun. 48	Purchased
5270-EX	Flashing Point Tester		30 Jun. 48	"
5271-EX -5274-EX	Surface Plate		20 Aug. 48	"
5275-EX -5279-EX	Hoist, hand chain			

DECLASSIFIED E.O. 12065 SECTION 3 402, NMS No.

Code No.	Name of Equipment	Quantity	Year Installed	Remarks
	(3) Passenger Car Repair Shop			
2118-EX	Band Saw	1	15 Aug. 48	from Takatori Workshop
2133-EX	Motor	1	"	"
2135-EX	"	1	"	"
2160-EX	"	1	"	"
2217-EX	"	1	"	"
2232-EX	Sand Blast	1	"	"
2322-EX	Enamelling Oven	1	"	"
2323-EX	Sand Blast	1	"	"
5331-EX	Hydraulic Pump	1	20 Jul. 48	"
	(4) Freight Car Repair Shop			
2073-EX	Pneumatic Press	1	15 Aug. 48	"
2124-EX	Pump, centrifugal	1	"	"
2125-EX	Motor	1	"	"
2158-EX	Jim Crow	1	"	"
	(6) Finishing Shop			
~~5290-EX~~ -5286-EX	Portable Drill, elect,	6	23 Jun. 48	"
	(5) Reclaiming Shop			
2120-EX	Dehydrator	2	30 Jul. 48	"
2121-EX	"		"	"
2244-EX	Line Shaft	3	"	"
~~2245-EX~~	"		"	"
2246-EX	"		"	"
2268-EX	Pump, hand operated	1	"	"
2321-EX	Air Compressor	1	"	"
2274-EX	Road Roller	1	"	"

DECLASSIFIED E.O. 12065 SECTION 3 (E), NARS NO.

Code No.	Name of Equipment	Quantity	Year Installed	Remarks
(5)	**Reclaiming Shop (cont.)**			
2344-EX	Compressor, air	1	30 Jul. 48	from Takatori Workshop
2368-EX	Jimerec	1	"	"
(6)	**Steel Working Shop**			
2218-EX	Surface Plate	1	30 Jul. 48	"
2219-EX	Heating Furnace	2	"	"
8 2222-EX	"		"	"
2269-EX	Surface Plate	1	"	"
2270-EX	Heating Furnace	2	"	"
2271-EX	"		"	"
2288-EX	Welding Machine, elect.	1	"	"
5332-EX	Spring Forming Machine	1	10 Jul. 48	Purchased
5334-EX	Wire Drawing Machine	1	"	"
	TOTAL ~~122~~ 64			

DECLASSIFIED E.O. 12065 SECTION 3 (E), NARS DATE

FILE

HYOGO MILITARY GOVERNMENT TEAM
APO 317

MAT/ryf/yy

400.170

7 July 1948

SUBJECT: Inventory of Reparations Machinery and Equipment

TO : Harima Factory of the Former Osaka Military Arsenal
Arai Mura, Kako Gun, Hyogo Ken

THRU : Hyogo Liaison Office

1. Reference is made to letter, this headquarters, 412.31, subject as above, dated 4 June 1948.

2. Enclosed herewith list of hand tools, accessories, expendable supplies, furniture and miscellaneous items which will be marked according to previous instructions concerning "exempted" and "authorized for use machinery and equipment.

FOR THE COMMANDING OFFICER:

Incl: As indicated above.

LOUIS C. HUTTON
Major, Cavalry
Executive Officer

412.31 - #52

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. [illegible]

MACHINERY AND EQUIPMENT
(Additional No. 2 - 13/10/48)

Plant Code No: 13 - 52

Name of Plant: Harima Factory of Osaka Military Arsenal

Inventory Code No.	Name of Equipment	Quantity
	(1) Forging Shop	
2111-EX	Hoist, electric	1
2119-EX	Grinding Machine	1
2161-EX	Blower	1
2209-EX	Heating Furnace	1
2223-EX - 2326-EX	Tank, oil	4
2327-EX - 2328-EX & 2333-EX	Jib Crane	3
	(2) Machine Shop	
2010-EX	Grinder	1
2122-EX - 2123-EX	Watt Meter	2
2127-EX	Motor	1
2146-EX	O.C.B.	1
2148-EX	Pump, centrifugal	1
2152-EX & 2155-EX	Motor	2
2212-EX & 2216-EX	Surface Plate	2
2220-EX	Motor	1
2231-EX	"	1
2249-EX	"	1
2260-EX	"	1
2261-EX	"	1
2267-EX	Magnet Bell	1
2272-EX	Surface Plate	1
2277-EX	Motor	1
2278-EX	Hydraulic Pump	1
2282-EX	Motor	1
2308-EX	Surface Plate	1
	(3) Passenger Car Repair Shop	
2118-EX	Band Saw	1
2133-EX	Motor	1
2135-EX	"	1
2160-EX	"	1
2217-EX	"	1
2232-EX	Sand Blast	1
2322-EX	Enamelling Oven	1
2323-EX	Sand Blast	1
5331-EX	Hydraulic Pump	1

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS No:

Inventory Code No.	Name of Equipment	Quantity
	(4) Freight Car Repair Shop	
2013-EX	Pneumatic Press	1
2124-EX	Pump, centrifugal	1
2125-EX	Motor	1
2158-EX	Jim Crow	1
	(5) Reclaiming Shop	
2120-EX - 2121-EX	Dehydrator	2
2244-EX - 2246-EX	Line Shaft	3
2208-EX	Pump, hand operated	1
2321-EX	Air Compressor	1
2274-EX	Road Roller	1
2344-EX	Compressor, air	1
2368-EX	Jimcrow	1
	(6) Steel Working Shop	
2218-EX	Surface Plate	1
2219-EX & 2222-EX	Heating Furnace	2
2209-EX	Surface Plate	1
2270-EX - 2271-EX	Heating Furnace	2
2288-EX	Welding machine, electric	1
5332-EX	Spring Forming Machine	1
5334-EX	Wire Drawing Machine	1

TOTAL 64 Items

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

MACHINERY AND EQUIPMENT
EXEMPTED FROM REPARATIONS REMOVAL
(Additional)

Plant Code No: 13 - 52

Name of Plant: Harima Factory of Osaka Military Arsenal

Inventory Code No.	Name of Equipment	Quantity
(1) Foundry Shop		
5230-EX	Pneumatic Stamping Machine	1
5231-EX - 5236-EX	Pneumatic Chipping Hammer	6
5237-EX	Portable Drill electric	1
5238-EX	Grinding Machine, Beach	1
5239-EX - 5250-EX	Gas Burner, Cutting	12
5251-EX - 5263-EX	Gas Burner, Welding	13
5264-EX	Balance	1
5265-EX	Surface Plate, Moulding	1
5266-EX	Phyrometer	1
(2) Forging Shop		
5267-EX	Portable Drill, electric	1
5268-EX - 5269-EX	Gas Burner, cutting	2
(3) Machine Shop		
5270-EX	Flashing Point Tester	1
5271-EX - 5274-EX	Surface Plate	4
5275-EX - 5279-EX	Hoist, hand chain	5
(4) Finishing Shop		
5280-EX - 5286-EX	Portable Drill, electric	7
(5) Passenger Car Repair Shop		
5288-EX - 5289-EX	Grinding Machine, Bench	2
5290-EX - 5303-EX	Portable Drill, electric	14
5287-EX	Blower, electric	1
5304-EX	Portable Grinder, electric	1
(6) Freight Car Repair Shop		
5305-EX	Drilling Machine, Bench	1
5306-EX - 5307-EX	Portable Drill, Electric	2
(7) Reclaiming Shop		
5308-EX	Portable Drill, electric	1
5309-EX - 5312-EX	Hoist, hand chain	4

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO:

Inventory Code No.	Name of Equipment	Quantity
	(7) **Reclaiming Shop** (cont'd)	
5313-EX	Acetylene Gas Producer	1
5314-EX - 5322-EX	Gas Burner, cutting	9
5324-EX - 5328-EX	Gas Burner, welding	5
	(8) **Painting Shop**	
5329-EX	Air Compressor	1
5330-EX	Sand Blast	1
	(9) **General**	
2260-EX - 2201-EX	Motor, 2 HP	2
2207-EX	Magnet Bell	1
2209-EX	Surface Plate	1
2278-EX & 5331-EX	Hydraulic Pump	2
5332-EX	Tenon Drilling Machine	1
5333-EX	Spring Forming Machine	1
5334-EX	Wire Drawing Machine	1
	TOTAL	109

DECLASSIFIED E.O. 12065 SECTION 3 402/NNDS NO. [illegible]

EQUIPMENT EXEMPTED FROM REPARATIONS REMOVAL

Plant Code No: 13 - 52

Name of Plant: Harima Factory of Osaka Military Arsenal

Inventory Code No.	Name of Equipment	Quantity
	(1) Passenger Car Repair Shop	
2334-EX	Worthington Pump	1
2335-EX	Motor	1
2336-EX & 2337-EX	Surface Plate	2
2347-EX	Dying Machine	1
	(2) Finishing Shop	
2348-EX	Drilling Machine (Bench Type)	1
2349-EX	Blower, Electric	1
2350-EX & 2351-EX	Melting Furnace	2
2352-EX	Heating Furnace	1
2357-EX	Lathe	1
2375-EX & 2376-EX	Hoist, Electric	2
2377-EX	Tyre Clamping Hammer	1
2378	Lathe, Turret	1
	(3) Steel Working Shop	
2360-EX	Heating Furnace, Electric	1
2356-EX	Electric Welder	1
2361-EX - 2367-EX	"	7
2369-EX - 2374-EX	"	6
2353-EX - 2355-EX	Surface Plate	3
2339-EX & 2340-EX	Ladle	2
	(4) Forging Shop	
2342-EX	Sawing Machine Circular	1
2343-EX	Saw Filer	1
2345-EX	Air Tank	1
2346-EX	Grinding Machine	1
	(5) Machine Shop	
2348-EX	Pump	1
2359-EX	Motor	1
	(6) Reclaiming Shop	
2330-EX	Sawing Machine Circular Wood Working	1

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

Inventory Code No.	Name of Equipment	Quantity
4001-EX - 4044-EX	Portable Drill, Pneumatic	44
4045-EX - 4049-EX	Portable Drill, Electric	5
4050-EX - 4051-EX	Drilling Machine, Bench Type	2
4052-EX - 4055-EX	Hoist, Hand Chain	4
4056-EX & 4057-EX	Truck, Gasoline	2
4058-EX	Automobile, Gasoline	1
4059-EX	Trailer	1
4060-EX - 4066-EX	Hoist, Hand Chain	7
4067-EX - 4071-EX	Gas Burner Welder	5
4072-EX	Portable Riveting Machine, Pneumatic	1
4073-EX	Grinder, Bench Type	1
4074-EX & 4075-EX	Gas Burner Welder	2
4076-EX - 4087-EX	Portable Drill, Electric	12
4088-EX & 4089-EX	Portable Grinder, Electric	2
4090-EX - 4112-EX	Portable Hammer, Pneumatic	23
4113-EX - 4115-EX	Portable Grinder, Pneumatic	3
4116-EX - 4127-EX	Gas Burner Welder	12
4128-EX - 4139-EX	Gas Burner, Cutting	12
4140-EX	Auto Cutting Machine	1
4141-EX - 4143-EX	Portable Drill, Electric	3
4144-EX - 4164-EX	Portable Hammer, Pneumatic	21
4165-EX - 4171-EX	Portable Grinder Pneumatic	7
4172-EX - 4202-EX	Gas Burner Welder	31
4203-EX - 4228-EX	Gas Burner, Cutting	26
4229-EX	Auto Gas Burner Cutting Machine	1
4230-EX - 4233-EX	Portable Drill, Electric	4
4234-EX	Portable Grinder, Electric	1
4235-EX	Grinding Machine, Bench Type	1
4236-EX	Winch, Hand	1
4237-EX - 4254-EX	Gas Burner Welder	18
4255-EX - 4267-EX	Gas Burner Cutter	13
4268-EX	Drilling Machine, Bench Type	1
4269-EX - 4278-EX	Portable Hammer, Pneumatic Stamping	10
4279-EX	Grinding Machine Bench Type	1
4280-EX - 4296-EX	Portable Hammer, Pneumatic	17
4297-EX - 4304-EX	Hoist-Hand Chain	8

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

EQUIPMENT EXEMPTED FROM REPARATIONS REMOVAL

Plant Code No: 13 - 52

Name of Plant: Harima Factory of Osaka Military Arsenal

Item No.	Inventory Code No.	Name of Equipment
	(1) Finishing Shop	
1	2013 - EX	Milling Machine
2	2018 - EX	"
3	2019 - EX	Slotting Machine
4	2020 - EX	Shaping Machine
5	2024 - EX	Lathe
6	2025 - EX	"
7	2026 - EX	"
8	2027 - EX	"
9	2028 - EX	"
10	2029 - EX	"
11	2038 - EX	Milling Machine
12	2039 - EX	Shaping Machine
13	2040 - EX	Pipe Threading Machine
14	2041 - EX	Lathe
15	2042 - EX	Drilling Machine
16	2043 - EX	Lathe, Turret
17	2044 - EX	Drilling Machine
18	2045 - EX	Drilling Machine
19	2046 - EX	Pneumatic Press
20	2047 - EX	Shearing Machine, Rotary
21	2048 - EX	Bending Roller
22	2049 - EX	Pneumatic Press
23	2051 - EX	Drilling Machine
24	2058 - EX	Milling Machine
25	2059 - EX	Grinding Machine
26	2060 - EX	Lathe
27	2062 - EX	Lathe
28	2063 - EX	Lathe
29	2064 - EX	Nail Making Machine
30	2074 - EX	Tyre Boring Machine
31	2106 - EX	Lathe
32	2108 - EX	Jib Crane
33	2136 - EX	Planer
34	2141 - EX	Slotter
35	2142 - EX	Screw Threading Machine
36	2143 - EX	Surface Plate
37	2150 - EX	Screw Press
38	2151 - EX	Shearing Machine
39	2153 - EX	Hose Cramping Machine
40	2154 - EX	Bench Drill
41	2241 - EX	Screw Threading Machine

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

Item No.	Inventory Code No.	Name of Equipment
42	2264 - EX	Air Hammer
43	2287 - EX	Lathe
44	2265 - EX	Grinding Machine
45	2266 - EX	"
46	2263 - EX	"
47	2262 - EX	Tyre Boring Machine

(2) Passenger Car Repair Shop

48	2014 - EX	Tenon Drilling Machine
49	2015 - EX	Fibre Carding Machine
50	2017 - EX	Grinding Machine
51	2023 - EX	Sharpening Machine
52	2031 - EX	Press
53	2033 - EX	Pneumatic Press
54	2034 - EX	Wood Planer
55	2036 - EX	Band Sawing Machine
56	2037 - EX	Tenon Drilling Machine
57	2052 - EX	Band Sawing Machine, Portable
58	2053 - EX	Tenon Chiseling Machine
59	2054 - EX	"
60	2055 - EX	Circular Sawing Machine
61	2056 - EX	Tenon Chiselling Machine
62	2057 - EX	Single Axle Forming
63	2061 - EX	Wood Planer
64	2065 - EX	Grinding Machine
65	2081 - EX	Surface Plate
66	2083 - EX	Hand Shear
67	2084 - EX	Screw Press
68	2085 - EX	Circular Sawing Machine
69	2086 - EX	Motor
70	2087 - EX	"
71	2088 - EX	Wood Planer
72	2089 - EX	Circular Sawing Machine
73	2090 - EX	Motor
74	2091 - EX	Lathe
75	2092 - EX	Circular Sawing Machine
76	2093 - EX	Paint Mill
77	2094 - EX	Paint Mixer
78	2095 - EX	Paint Mixer
79	2096 - EX	Rolling Mill, Paint
80	2097 - EX	Rotary Whetstone
81	2100 - EX	Rotary Whetstone
82	2110 - EX	Tenon Chiselling Machine
83	2101 - EX	Wood Planer
84	2109 - EX	Wood Planer
85	2112 - EX	Circular Sawing Machine
86	2113 - EX	Circular Sawing Machine
87	2114 - EX	Grinding Machine
88	2115 - EX	Wood Planer
89	2116 - EX	Sharpening Machine
90	2117 - EX	Fibre Carding Machine

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS No.

Item No.	Inventory Code No.	Name of Equipment
91	2159 - EX	Vacuum Pump
92	2200 - EX	Soda Bath
	(3) Forging Shop	
93	2021 - EX	Stoker
94	2104 - EX	Centrifugal Pump
95	2131 - EX	Testing Machine
96	2132 - EX	Testing Machine
97	2199 - EX	Wortington Pump
98	2201 - EX	Oil Tank
99	2202 - EX	Cramping Machine
100	2203 - EX	Cramping Machine
101	2204 - EX	Cramping Machine
102	2206 - EX	Accumnlator
103	2243 - EX	Oil Pump
104	2273 - EX	Electric Pump
105	2329 - EX	Forming Machine
106	2330 - EX	Forming Machine
107	2331 - EX	Overhead Travelling Crane
108	2332 - EX	Pneumatic Press
109	2162 - EX	Blower
110	2207 - EX	Pneumatic Press
	(4) Freight Car Repair Shop	
111	2001 - EX	Pneumatic Press
112	2002 - EX	"
113	2003 - EX	"
114	2005 - EX	Punching Machine
115	2006 - EX	Pneumatic Press
116	2007 - EX	Drilling Machine
117	2008 - EX	Tyre Boring Machine
118	2009 - EX	Band Sawing Machine
119	2010 - EX	Circular Sawing Machine
120	2011 - EX	Wood Planer
121	2012 - EX	Tenon Drilling Machine
122	2015 - EX	Grinding Machine
123	2022 - EX	Lathe
124	2050 - EX	Crank Press
125	2066 - EX	Screw Press
126	2067 - EX	Radial Drilling Machine
127	2068 - EX	Drilling Machine
128	2069 - EX	Bending Roller
129	2070 - EX	Circular Sawing Machine
130	2071 - EX	Drilling Machine
131	2072 - EX	Testing Machine
132	2075 - EX	Jib Crane
133	2076 - EX	"
134	2082 - EX	Band Sawing Machine
135	2102 - EX	Tyre Clamping Roller
136	2103 - EX	Air Compressor

DECLASSIFIED E.O. 12065 SECTION 3 402/MNSC NO.

Item No.	Inventory Code No.	Name of Equipment
137	2105 - EX	Shearing Machine
138	2106 - EX	Lathe
139	2107 - EX	"
140	2108 - EX	Jib Crane
141	2233 - EX	Electric Welding Machine
142	2234 - EX	"
143	2235 - EX	"
144	2236 - EX	"
145	2237 - EX	"
146	2238 - EX	"
147	2239 - EX	"
148	2240 - EX	"
149	2247 - EX	Rotary Whetstone
150	2248 - EX	Electric Welding Machine
151	2138 - EX	Stoker
	(5) Vehicle Repair Shop	
152	2004 - EX	Grinding Machine
153	2035 - EX	Drilling Machine
154	2077 - EX	Valve Grinder
155	2078 - EX	Drilling Machine
156	2079 - EX	Drilling Machine
157	2080 - EX	Air Compressor
158	2134 - EX	Lapping Machine
159	2149 - EX	Engine Starter
160	2275 - EX	Valve Grinder
161	2276 - EX	Drilling Machine
	(6) Machine Shop	
162	2030 - EX	Motor
163	2098 - EX	Washing Machine, with separator
164	2099 - EX	"
165	2126 - EX	Motor
166	2127 - EX	Motor
167	2139 - EX	Drilling Machine, Portable
168	2140 - EX	Volt Meter
169	2144 - EX	Oil Circuit Breaker
170	2145 - EX	"
171	2147 - EX	"
172	2156 - EX	Motor
173	2163 - EX	"
174	2164 - EX	Transformer
175	2165 - EX	"
176	2166 - EX	"
177	2167 - EX	"
178	2168 - EX	Current Transformer
179	2169 - EX	"
180	2170 - EX	"
181	2171 - EX	"
182	2172 - EX	"

DECLASSIFIED E.O. 12065 SECTION 3 NRS NO.

Item No.	Inventory Code No.	Name of Equipment
183	2173 - EX	Current Transformer
184	2174 - EX	"
185	2175 - EX	"
186	2176 - EX	Ampere Meter
187	2177 - EX	Amplifier
188	2178 - EX	Phono Motor
189	2179 - EX	Speaker
190	2180 - EX	"
191	2181 - EX	"
192	2182 - EX	"
193	2183 - EX	"
194	2184 - EX	"
195	2185 - EX	"
196	2186 - EX	Exciter
197	2187 - EX	"
198	2188 - EX	Microphone
199	2189 - EX	"
200	2190 - EX	Testing Machine
201	2191 - EX	Drilling Machine, Portable
202	2192 - EX	"
203	2193 - EX	"
204	2194 - EX	"
205	2195 - EX	"
206	2196 - EX	Magnetic Bell
207	2197 - EX	"
208	2198 - EX	"
209	2205 - EX	Electric Iron
210	2208 - EX	"
211	2210 - EX	"
212	2211 - EX	"
213	2213 - EX	Motor, Reduction Gear
214	2214 - EX	"
215	2215 - EX	"
216	2221 - EX	Motor
217	2225 - EX	"
218	2226 - EX	"
219	2227 - EX	Electric Pump
220	2228 - EX	Motor
221	2229 - EX	Centrifugal Pump
222	2230 - EX	Blower
223	2257- EX	Motor, Reduction Gear
224	2258 - EX	"
225	2259 - EX	"
226	2279 - EX	Motor
227	2280 - EX	"
228	2281 - EX	Motor, Hoist
229	2283 - EX	Lifting Pump
230	2284 - EX	"
231	2285 - EX	"
232	2286 - EX	Blower
233	2290 - EX	Heating Furnace
234	2291 - EX	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO:

Item No.	Inventory Code No.	Name of Equipment
235	2292 - EX	Acetylene Gas Producer
236	2293 - EX	Centrifugal Pump
237	2294 - EX	Motor, Reduction Gear
238	2295 - EX	Blower
239	2296 - EX	Refrigerator
240	2297 - EX	"
241	2298 - EX	Electric Pump
242	2299 - EX	Motor, Reduction Gear
243	2300 - EX	Oil Switch
244	2301 - EX	"
245	2302 - EX	"
246	2303 - EX	"
247	2304 - EX	"
248	2305 - EX	"
249	2306 - EX	"
250	2307 - EX	"
251	2308 - EX	"
252	2309 - EX	"
253	2310 - EX	"
254	2311 - EX	"
255	2320 - EX	Diesel Engine
256	2341 - EX	Motor Siren
	(7) Melting Shop	
257	2250 - EX	Moulding Machine
258	2251 - EX	"
259	2252 - EX	Sand Riddle
260	2253 - EX	Turn Puller
261	2254 - EX	"
262	2255 - EX	"
263	2256 - EX	Grinding Machine
264	2312 - EX	Ladle
265	2313 - EX	"
266	2314 - EX	"
267	2315 -EX	"
268	2316 - EX	"
269	2317 - EX	"
270	2318 - EX	"
271	2319 - EX	"
	(8) Reclaiming Shop	
272	2032 - EX	Motor
273	2128 - EX	Wortington Pump
274	2129 - EX	"
275	2130 - EX	Separator
276	2289 - EX	Jib Crane

TOTAL 276 Items

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

FILE

HYOGO MILITARY GOVERNMENT TEAM
APO 317

NAT/ym/yy

412.31 4 June 1948

SUBJECT: Inventory of Reparations Machinery and Equipment

TO : Harima Factory of the Osaka Military Arsenal
Arai-mura, Kako-gun, Hyogo-ken

THRU : Hyogo Liaison Office

1. Attention is invited to inclosures 1 through 4, hereto, which lists items of reparations equipment which are authorized for use, and items which are exempted from reparations removal.

2. Careful check must be accomplished by your office to insure that items listed on inclosures hereto are properly marked as previously instructed.

FOR THE COMMANDING OFFICER:

Incl: As indicated above.

LOUIS C. HUTTON
Major, Cavalry
Executive Officer

DECLASSIFIED E.O. 11652 SECTION 3 (E)(2) AND (3) NND 963

REPARATIONS MACHINERY AND EQUIPMENT
(Inventoried under O.D. 5/10 and those additionally inventoried)
AUTHORIZED FOR USE

Plant Code No: 13 - 52

Name of Plant: Harima Factory of Osaka Military Arsenal

Type of Equipment	Quantity	Inventory Code Number
Motor (Less than 5 HP)	88	914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1133 1135 1136 1137 1138 1160 1161
Transformer (Pole)	39	1097 1098 1099 1100 1101 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272
Switch Board	3	1102 1103 1116
Surface Plate	14	842 843 844 845 846 847 848 849 850 851 852 853 854 855
Hoist, Hand Chain	11	966 967 968 969 970 1001 1002 1003 1004 1005 1006
Winch	1	1007
Limestone Roasting Equipment	1 (set)	1000
Boiler	5	1104 1105 1106 1107 1108
Electric Welding Machine	2	1109 1110
Gas Welding Machine	4	1111 1112 1113 1114
Centrifugal Pump	3	1117 1132 1139

DECLASSIFIED E.O. 12065 SECTION 3 (E), NARS DATE

Type of Equipment	Quantity	Inventory Code Number
Portable Hammer	31	1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1172 1173 1174 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202
Metal Heating Furnace	11	1128 1129 1143 1144 1145 1146 1147 1148 1149 1151 1152
Portable Drilling Machine	6	1140, 1162 1163 1164 1165 1171
Grinding Machine	1	1131
Straight Trackage	2	856 857
Point, Trackage	56	858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913

TOTAL 278

Incl. 2

Superseded Per Inst List

1 69
2 130
3 79
278

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO: 71 0 2 7 0

REPARATIONS EQUIPMENT NEWLY INVENTORIED FOR EVALUATION PURPOSE AUTHORIZED FOR USE

Plant Code No: 13 - 52

Name of Plant: Harima Factory of Osaka Military Arsenal

Type of Equipment		Quantity	Inventory Code No.
Electric Melting Furnace	1	6	1273 1274 1275 1276 1277 1278
Mould Drying Furnace	3	3	1279 1280 1281
Metal Annealing Furnace	1	3	1282 1283 1284
Drying Furnace (Brick)	3	6	1285 1286 1287 1288 1289 1290
Cupola	1	1	1291
Chemical Balance	3	8	1292 1293 1294 1295 1296 1297 1298 1299
Transformer - small type	2	4	1300 1301 1302 1303
Optical Pyrometer	1	7	1304 1305 1306 1307 1308 1309 1310
Electric Slit Furnace	1	4	1311 1312 1313 1314
Ampere Meter	2	2	1315 1316
Enlarger, photographic	3	1	1317
Printer, photographic	3	2	1318 1319
X-Ray Apparatus (hospital use)	3	3	1320 1321 1322
Ultre Violet Ray Apparatus(hospital use)	3	1	1323
Infra Red Ray Apparatus(hospital use)	3	1	1324
Diathermy (hospital use)	3	1	1325
Chemical Centrifugals	3	1	1326
Dental X-Ray apparatus (hospital use)	3	1	1327
Hydrometer	3	3	1328 1329 1330

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO: [illegible]

Type of Equipment		Quantity	Inventory Code No.
Potential Transformer	2	2	1331 1332
Meg. Ohm Meter	2	4	1333 1334 1335 1336
Volt Meter	2	4	1337 1338 1339 1340
Ampere Meter	2	6	1341 1342 1343 1344 1345 1346
Volt Meter, portable	2	4	1347 1348 1349 1350
Illumination Photo Meter	3	1	1351
Ground Ohm Meter	2	1	1352
Pyrometer	1	9	1353 1354 1355 1356 1357 1358 1359 1360 1361
Camera	3	2	1362 1363
Pyrometer Recorder	1	6	1364 1365 1366 1367 1368 1369

TOTAL 97

Supersedes Revision List

Incl. 3

1	36	235
2	27	234
3	34	260
	97	729

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO: [illegible]

REPARATIONS MACHINERY AND EQUIPMENT AUTHORIZED FOR USE

Plant Code No: 13 - 52

Name of Plant: Harima Factory of Osaka Military Arsenal

Type of Equipment	Quantity	Inventory Code No.
Lathe	29	52 228 230 231 241 242 243 244 245 246 247 252 273 329 318 330 331 332 333 334 335 336 337 348 ~~374~~ 596 642 643 644 645
Milling Machine	7	38 236 237 238 239 240 649
Planer	2	41 326
Radial Drilling Machine	3	222 311 408
Horizontal Boring Machine	2	323 406
Drilling Machine	8	35 36 37 86 110 221 598 646
Tool Grinding Machine	10	251 253 254 255 256 257 261 262 263 264
Grinding Machine	11	58 59 102 181 194 258 259 260 796 801 811
Slotting Machine	4	39 355 356 360
Shaping Machine	5	40 224 225 352 648
Hack Sawing Machine	2	641 743
Gear Cutting Machine	1	235
Threading Machine	1	45
Air Hammer	8	42 128 184 185 186 187 188 189
Press	1	54
Hand Press	1	437
Lathe, Wood Working	2	74 76

Incl. 1 (Cont'd)

Type of Equipment	Quantity	Inventory Code No.
Circular Sawing Machine	1	82
Band Sawing Machine	3	84 85 667
Wood Planer	3	83 665 666
Saw Sharpining Machine	1	77
Grinding Machine, Planer-knife	1	78
Crusher	1	148
Fret Mill	10	61 64 66 62 67 93 94 95 96 97
Electric Welding Machine	15	50 51 177 178 451 452 453 454 455 669 670 671 672 673 744
Heating Furnace, Electric	11	111 123 689 802 803 805 806 807 808 809 810
Gas Furnace	1	804
Air Compressor	11	47 88 163 89 164 165 166 195 196 197 198
Blower	2	182 183
Centrifugal Pump	8	152 155 200 201 591 592 593 769
Turbine Pump	5	112 113 114 115 497
Wortington Pump	1	501
Vacuum Pump	2	589 590
Shavings Exhauster	1	81
Overhead Travelling Crane	51	15 53 87 105 124 125 132 133 135 136 137 138 139 140 141 142 143 145 146 147 179 180 204 205 206 207 208 212 213 214 215 216 217 426 427 428 429 430 431 432 433 434 435 436 464 465 466 467 511 660 126
Gantry Crane	1	585

DECLASSIFIED E.O. 11652 SECTION 3 (E), NARS DATE

Incl. 1 (Cont'd)

Type of Equipment	Quantity	Inventory Code Number					
Jib Crane	7	1 193	3	5	7	8	192
Hoist	1	73					
Belt Conveyor	5	218	493	494	495	496	
Winch	2	686	687				
Mud Mixer	1	70					
Concrete Mixer	1	685					
Boiler	2	151	498				
Balance	7	127 617	129	130	131	491	492
Chain Block	6	678	679	680	698	699	700
Blue Printing Machine	1	798					
Water Supplying Equipment	1(set)	587					
Testing Machine	7	651 657	652	653	654	655	656
Hydraulic Pressure Gauge Tester	1	800					
Microscope, Metallurgical	1	795					
Acetylene Gas Producer	3	103	104	458			
Painting Machine	1	799					
Centrifugal Separator	2	449	450				
Battry Car	2	20	659				
Motor Generator	3	22	23	600			
Motor (5 HP & over)	7	518 765	528	530	531	533	534
Transformer	66	25 79 150 203 444 481 487 613 661 696 724	26 91 160 439 471 482 588 627 662 697 725	27 92 161 440 472 483 599 619 692 701 761	28 117 174 441 478 484 603 628 693 702 793	68 118 175 442 479 485 605 630 694 719 794	75 149 202 443 480 486 606 631 695 720 682

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

Incl. 1 (Cont'd)

Type of Equipment	Quantity	Inventory Code No.
Substation, Electric Power	1 (group)	594
	TOTAL	354

Incl. 1

Summary Revised List

1 130
2 77
3 147
354

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSC NO.

MACHINERY AND EQUIPMENT
EXEMPTED FROM REPARATIONS REMOVAL X
(Additional)

Plant Code No.; 13 - 52

Name of Plant ; Harima Factory of Osaka Military Arseanl

Inventory Code No.	Name of Equipment	Year Installed	Remarks	Quantity
	(1) Foundry Shop			
5230-EX	Pneumatic Stamping Machine	17 Apr. 48	Purchased	1
5231-EX -5236-EX	Pneumatic Chipping Hammer	30 July 48	"	6
5237-EX	Portable Drill, electric	23 June 48	"	1
5238-EX	Grinding Machine, Bench	"	"	1
5239-EX	Gas Burner, cutting	7 June 48	"	
~~5240-EX~~ - 5250-EX	" "	30 June 48	"	12
5251-EX - 5263-EX	Gas Burner, welding	7 June 48	"	13
5264-EX	Balance	21 Apr. 48	"	1
5265-EX	Surface Plate, moulding	23 July 48	"	1
5266-Ex	Pyrometer	23 July 48	"	1
	(2) Forging Shop			
5267-EX	Portable Drill, electric	23 June 48	"	1
5268-EX -5269-EX	Gas Burner, cutting	25 June 48	"	2
	(3) Machine Shop			
5270-EX	Flashing Point Tester	19 Janu.48	"	1
5271-EX -5274-EX	Surface Plate	30 June 48	"	4
5275-EX -5279-EX	Hoist, hand chain	20 Aug. 48	"	5
	(4) Finishing Shop			
5280-EX - 5286-EX	Portable Drill, electric	23 June 48	"	7

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO:

Code No.	Name of Equipment	Year Installed	Remarks	Quantity
	(5) Passenger Car Repair Shop			
5288-EX - 5289-EX	Grinding Machine, Bench	30 June 48	Purchased	2
	" "	"	"	
5290-EX -5303-EX	Portable Drill, electric	"	"	14
5287-EX	Blower, electric	"	"	1
5304-EX	Portable Grinder, electric	"	"	1
	(6) Freight Car Repair Shop			
5305-EX	Drilling Machine, bench	17 June 48	"	1
5306-EX - 5307-EX	Portable Drill, electiric	"	"	2
	" "	"	"	
	(7) Reclaiming Shop			
5308-EX	Portable Drill, electric	29 July 48	"	1
5309-EX - ~~5310-EX~~ - ~~5311-EX~~ - 5312-EX	Hoist, hand chain	22 Aug. 48	"	4
	"	20 Oct. 48	"	
5313-EX	Acetylene Gas Producer	15 June 48	"	1
5314-EX - 5322-EX	Gas Burner, cutting	29 July 48	"	9
5324-EX - 5328-EX	Gas Burner, welding	"	"	5
	(8) Painting Shop			
5329-EX	Air Compressor	"	"	1
5330-EX	Sand Blast	"	"	1

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO:

EXEMPTED FROM REPARATIONS REMOVALS

Plant Code No.: 13 - 52

Name of Plant : Harima Factory of Osaka Military Arsenal

Code No.	Name of Equipment	Year Installed	Remarks	Quantity
	(9) General			
2260-EX-	Motor 2-HP	1 July 48	from Takatori	2
2261-EX	"	"	"	
2267-EX	Magnet Bell	15 July 48	"	1
2269-EX	Surface Plate	20 July 48	"	1
2278-EX	Hydrauric Pump	"	"	2
5331-EX	"	"	"	
5332-EX	Tenon Drilling Machine	"	"	1
5333-EX	Spring Forming Machine	10 July 48	"	1
5334-EX	Wire Drawing Machine	"	"	1
			Total	109

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO: [illegible]

TAKASAGO RAILWAY WORKSHOP
OSAKA RAILWAY DIVISION
JAPANESE GOVERMENT

21 May, 1948

SUBJECT : Application for approval for "EX" Machinery installed in Harima Factory.

TO : Commander, Hyogo Military Government Team.

Your approval is here requested of the machines as "EX" which partially were transferred here from Takatori Railway Workshop, partially were purchased by this workshop from outside, and partially were made afresh here, the lists of them being submitted enclosed.

1) Inclosure

Susumu Hashima

Susumu Hashima
Chief, Takasago Railway
Workshop,
Osaka Railway Division,
Japanese Government

DECLASSIFIED E.O. 12065 SECTION 3 402/NNDS No.

REPARATIONS MACHINERY AND EQUIPMENT AUTHORIZED FOR USE

Plant Code No. 13 - 52
Name of Plant. Harima Factory of Osaka Military Arsenal

~~Osaka Arsenal~~
Harima Plant

~~List of Machines in Temporary Use.~~

~~Date 24 May 1948~~

Type of Equipment ~~Name of Machine~~		Quantity ~~Nos.~~	Inventory Code Number
Lathe		88 / 29	52, 230, 241, 242 (318), 243, 244, 245, 246, 247, 252, 273, 329, 330, 331, 332, 333, 334, 335, 336, 337, ~~347~~, 348, ~~349~~, ~~374~~, 596, 642, 643, 644, 645,
Milling Machine		7 /	38, 236, 237, 238, 239, 240, 649,
Planer		2 /	41, 326,
Radial Drilling Machine		3 /	222, 311, 408,
Horizontal Boring Machine		2 /	323, 406
Drilling Machine		8 /	35, 36, 37, 86, 110, 221, 598, 646,
Tool Grinding Machine		10 /	251, 253, 254, 255, 256, 257, 261, 262, 263, 264,
Grinding Machine		11 /	58, 59, 102, 181, 194, 258, 259, 260, 796, 801, 811
Slotting Machine		4 /	39, 355, 356, 360
Shaping Machine		5 /	40, 224, 225, 352, 648
Hack Sawing Machine		2 /	641, 743
Gear Cutting Machine		1 /	235
Threading Machine		1 /	45
Air Hammer		8 /	42, 128, 184, 185, 186, 187, 188, 189
Press		1 /	54
Hand Press		1 /	437
Lathe, Wood Working,	—	2 /	74, 76
Circular Sawing Machine		1 /	82
Band Sawing Machine		3 /	84, 85, 667
Wood Planer		3 /	83, 665, 666
Saw Sharpening Machine		1 /	77
~~Plain~~ Grinding Machine, Planer-Knife		1 /	78
Crusher		1 /	148
Fret Mill		10 /	61, 64, 66, 62, 67, 93, 94, 95, 96, 97
Electric Welding Machine		15 /	50, 51, 177, 178, 451, 452, 453, 454, 455, 669, 670, 671, 672, 673, 744,
Heating Furnace, Electric,		11 /	111, 123, 689, 802, 803, 805, 806, 807, 808, 809, 810
Gas Furnace		1 /	804
Air Compressor		11 /	47, 88, 163, 89, 164, 165, 166, 195, 196, 197, 198
Blower		2 /	182, 183
Centrifugal Pump		8 /	152, 155, 200, 201, 591, 592, 593, 769
Turbine Pump		5 /	112, 113, 114, 115, 497,
Washington Pump		1 /	501
Vacuum Pump		2 /	589, 590
Shavings Exhauster		1 /	81
Overhead Travelling Crane		51 /	15, 53, 87, 105, 124, 125, 126, 132, 133, 135, 136, 137, 138, 139, 140, 141, 142, 143, 145, 146, 147, 179, 180, 204, 205, 206, 207, 208, 212, 213, 214, 215, 216, 217, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 464, 465, 466, 467, 511, 660
Gantry Crane	—	1 /	585
Jib Crane		7 /	1, 3, 5, 7, 8, 192, 193

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO. [illegible]

	Type of Equipment ~~Name of Machine~~	~~Nos.~~ Quantity	Inventory Code Number
3	Hoist	1	73,
	Belt Conveyor	5	218, 493, 494, 495, 496,
	Winch	2	686, 687,
	Mud Mixer	1	70
	Concrete Mixer	1	685
27	Boiler	2	151, 498
	Balance	7	127, 129, 130, 131, 491, 492, 617
	Chain Block	6	678, 679, 680, 698, 699, 700
	Blue Printing Machine	1	798
	Water Supplying Equipment	1 (set)	587
1	Testing Machine	7	651, 652, 653, 654, 655, 656, 657
9	Hydraulic Pressure Gauge Tester	1	800
	Microscope, Metallurgical	1	795
3	Acetylene Gas Producer	3	103, 104, 458
	Painting Machine	1	799
8	Centrifugal Separator	2	449, 450
	Battry Car	2	20, 659
	Motor Generator	3	22, 23, 600
	Motor (5 HP & over)	7	518, 528, 530, 531, 533, 534, 765
	Transformer	66	25, 26, 27, 28, 68, 75, 79, 91, 92, 117, 118, 149, 150, 160, 161, 174, 175, 202, 203, 439, 440, 441, 442, 443, 444, 471, 472, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 588, 599, 603, 605, 606, 613, 627, 619, 628, 630, 631, 661, 662, 692, 693, 694, 695, 696, 697, 701, 702, 719, 720, 724, 725, 761, 793, 794, 682
2	Substation, Electric Power	1 (group)	594
77			

Total 354

		5/4	5/10 add.	Total
group	1	131	55	186
"	2	77	130	207
"	3	146	93	239
Total		354	278	632 ✓

Incl. 1

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

REPARATIONS MACHINERY AND EQUIPMENT

(Inventoried under O.D. 5/10 and those additionally inventoried)

AUTHORIZED FOR USE

Plant Code No. 13 - 52
Name of Plant. Harima Factory of Osaka Military Arsenal

	Type of Equipment	Quantity	Inventory Code Number
2 130	Motor (Less than 5 HP)	88	914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1133, 1135, 1136, 1137, 1138, 1160, 1161,
	Transformer (Pole)	39	1097, 1098, 1099, 1100, 1101, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272,
	Switch Board	3	1102, 1103, 1116,
	Surface Plate	14	842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855,
3	Hoist, Hand ~~chain~~ Chain	11	966, 967, 968, 969, 970, 1001, 1002, 1003, 1004, 1005, 1006,
32	Winch	1	1007,
	Lime Stone Roasting Equipment	1 (set)	1000,
	Boiler	5	1104, 1105, 1106, 1107, 1108,
1	Electric Welding Machine	2	1109, 1110,
6	Gas Welding Machine	4	1111, 1112, 1113, 1114,
3 3	Centrifugal Pump	8	1117, 1132, 1139,
	Portable Hammer	31,	1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1172, 1173, 1174, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202,
1 49	Metal Heating Furnace	11	1128, 1129, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1151, 1152,
	Portable Drilling Machine	6	1140, 1162, 1163, 1164, 1165, 1171,
	Grinding Machine	1	1131
	Straight Trackage	2	856, 857,
3 58	Point, Trackage	56	858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913,
278			
	~~Electric Melting Furnace~~	~~6 (sets)~~	~~1273 1274 1275 1276 1277 1278~~
		Total	~~284~~ 278

DECLASSIFIED E.O. 11652 SECTION 3 (E)(4)(B) NND 963

HARIMA FACTORY OF THE EX-
OSAKA MILITARY ARSENAL

21 May 1948

SUBJECT : Report on partial lease of some of machines authorized for operation.

TO : Commander, Hyogo Military Government Team.

It is here reported that some of the machines authorized for operation will, hereafter be withdrawn released from temporafy use owing to operation circumtances, as per annexed list.

1 Inclosure

Susumu Hashima

Susumu Hashima
Chief, Harima Factory of the
Ex-Osaka Military Arsenal

14-6/8-4

DECLASSIFIED E.O. 12065 SECTION 3 (E), NARS DATE:

EQUIPMENT EXEMPTED FROM REPARATIONS REMOVAL

Plant Code No. 13 - 52

~~Inclosure~~ Name of Plant. Harima Factory of Osaka Military Arsenal Location Finishing shop

Item No	Inventory Code ~~No~~ No.	Name of ~~Machine~~ Equipment	Date of installation	Former installation plant
		(1) FINISHING SHOP		
1	2013-EX	Milling Machine	16 Feb. 1947	Takatori Railway Workshop
2	2018-EX	" "	" " "	"
3	2019-EX	Slotting Machine	15 May "	"
4	2020-EX	Shaping Machine	16 Feb. 1947	"
5	2024	Lathe	15 " "	"
6	2025	Lathe	" " "	"
7	2026	Lathe	14 " "	"
8	2027	Lathe	" " "	"
9	2028	Lathe	15 May 1947	"
10	2029	Lathe	" " "	"
11	2038	Milling Machine	10 May "	"
12	2039	Shaping Machine	" " "	"
13	2040	Pipe ~~Screw~~ Threading Machine ~~Cutting Machine~~	15 May 1947	"
14	2041	Lathe	" " "	"
15	2042	Drilling Machine	" " "	"
16	2043	Lathe, Turret	" " "	"
17	2044	Drilling Machine	" " "	"
18	2045	Drilling Machine	" " "	"
19	2046	Pneumatic Press	20 Mar. 1947	Purchased
20	2047	Shearing Machine, Rotary	15 May "	"
21	2048	Bending Roller	" " "	"
22	2049	Pneumatic Press	" " "	"
23	2051	Drilling Machine	" " "	"
24	2058	Milling Machine	" " "	"
25	2059	Grinding Machine	" " "	"
26	2060	Lathe	" " "	"
27	2062	Lathe	27 May 1947	"
28	2063	Lathe	18 Jun. 1947	"
29	2064	Nail Making Machine	27 May 1947	"
30	2074	Tyre Boring Machine	8 May 1947	Takatori Railway Workshop
31	2106	Lathe	17 Apr. 1948	"
32	2108	Jib Crane	" " "	"
33	2136	Planer	20 Mar. 1947	"
34	2141	Slotter	18 Jun. "	"
35	2142	Screw Thread Cutting Machine	" " "	"
36	2143	Surface Plate	21 Dec. 1947	Made in our shop
37	2150	Screw Press	18 Jun. 1947	Takatori Railway Workshop
38	2151	Shearing Machine	17 Apr. 1948	"
39	2153	Hose Cramping Machine	15 Apr. 1948	"
40	2154	Bench Drilling Machine, Bench Type	17 Apr. 1948	"
41	2241	Screw Thread Cutting Machine	20 Sep. 1947	Purchased
42	2264	Air Hammer	17 Apr. 1948	Takatori Railway Workshop
43	2287	Lathe	10 Dec. 1947	Purchased
44	2265	Grinding Machine	17 Apr. 1948	Takatori shop
45	2266	" "	" " "	"
46	2263	" "	" " "	"
47	2262	Tyre Boring Machine	10 Apr. 1948	"

DECLASSIFIED E.O. 12065 SECTION 3 402, NNSS NO.

Location: Passenger Car Repair Shop

Item No.	Inventory Code No. (2)	Name of Equipment	Date of installation	Former installation plant
48	2014-EX	Tenon Drilling Machine	15 Dec. 1947	Takatori Railway Workshop
49	2015-EX	Fibre Carding Machine	10 Aug. "	"
50	2017-EX	Grinding Machine	15 May "	"
51	2023-EX	Sharpening Machine	" " "	"
52	2031-EX	Press	20 Jun. "	"
53	2033-EX	Pneumatic Press	15 Mar. 1948	"
54	2034	Wood Planer	20 Jun. 1947	"
55	2036	Band Sawing Machine	30 Apr. "	"
56	2037	Tenon Drilling Machine	15 Mar. 1948	"
57	2052	Band Sawing Machine, portable	15 Mar. 1948	"
58	2053	Tenon Chiseling Machine	30 Apr. 1947	Purchased
59	2054	" " "	15 Mar. 1948	"
60	2055	Circular Sawing Machine	" " "	"
61	2056	Tenon Chisselling Machine	15 Jun. 1947	Takatori Railway Workshop
62	2057	Single Axle Forming	" " "	"
63	2061	Wood Planer	18 Mar. 1948	"
64	2065	Grinding Machine	" " "	"
65	2081	Surface Plate	10 Nov. 1947	Made in our shop
66	2083	Hand Shear	18 Mar. 1948	Takatori Railway Workshop
67	2084	Screw Press	18 Mar. 1948	"
68	2085	Circular Sawing Machine	15 Jun. 1947	"
69	2086	Motor	15 Feb. 1947	"
70	2087	Motor	10 Aug, 1947	"
71	2088	Wood Planer	20 Jun. 1947	Purchased
72	2089	Circular Sawing Machine	" " "	Takatori Railway Workshop
73	2090	Motor	20 Mar. 1948	Purchased
74	2091	Lathe	20 Jun. 1947	"
75	2092	Circular Sawing Machine	15 Jun. 1947	Takatori Railway Workshop
76	2093	Paint Mill	15 May 1947	"
77	2094	Paint Mixer	" " "	"
78	2095	Paint Mixer	" " "	"
79	2096	Rolling Mill, Paint	" " "	"
80	2097	Rotary Whetstone	20 Mar. 1948	"
81	2100	Rotary Whetstone	17 Apr. 1948	"
82	2100	Tenon Chisselling Machine	10 Apr. "	"
83	2101	Wood Planer	17 Apr. 1948	"
84	2109	Wood Planer	" " "	"
85	2112	Circular Sawing Machine	10 Apr. "	"
86	2113	Circular Sawing Machine	" " "	"
87	2114	Grinding Machine	" " "	"
88	2115	Wood Planer	" " "	"
89	2116	Sharpening Machine	10 Mar. 1947	"
90	2117	Fibre Carding Machine	23 July "	"
91	2159	Vacuum Pump	15 May "	"
92	2200	Soda Bath	30 Sep. 1947	Made in our shop

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

Location Forging Shop

Item No.	Inventory Code No.	Name of Equipment	Date of installation	Former installation plant
	(3)			
93	2021-Ex	Stoker	30 Oct. 1947	Purchased
94	2104-Ex	Centrifugal Pump	18 " "	Takatori Railway Workshop
95	2131	Testing Machine	30 Oct. "	Purchased
96	2132	Testing Machine	30 Oct. "	"
97	2199	Washington Pump	" " "	"
98	2201	Oil Tank	" " "	"
99	2202	Cramping Machine	" " "	"
100	2203	Oil Tank	" " "	"
101	2204	Cramping Machine	" " "	"
102	2206	Accumulator	" " "	"
103	2243	Oil Pump	" " "	"
104	2273	Electric Pump	15 Oct. 1947	Takatori Railway Workshop
105	2329	Forming Machine	30 Oct. 1947	Purchased
106	2330	Forming Machine	" " "	"
107	2331	Overhead Travelling Crane	" " "	"
108	2332	Pneumatic Press	" " "	"
109	2162	Blower	" " "	Takatori Railway Workshop
110	2207	Pneumatic Press	" " "	Purchased

DECLASSIFIED E.O. 12065 SECTION 3 402, NNSC NO.

Item No.	Inventory ~~Code~~ No. (4)	Name of ~~Machine~~ Equipment	Date of installation X	~~Location~~ Car Freight Repair Shop Former installation plant
111	2001-EX	Pneumatic Press	25 Feb. 1947	Takatori Railway Workshop
112	2002-EX	" "	24 Mar. "	"
113	2003	" "	9 Mar. "	"
114	2005	Punching Machine	25 Mar. "	"
115	2006	Pneumatic Press	7 Mar. "	"
116	2007	Drilling Machine	10 Mar. "	"
117	2008	Tyre Boring Machine	15 Dec. "	Purchased
118	2009	Band Sawing Machine	10 Jan. "	Takatori Railway Workshop
119	2010	Circular Sawing Machine	10 Mar. "	"
120	2011	Wood Planer	10 Jan. "	Purchased
121	2012	Tenon Drilling Machine	10 Jan. "	"
122	2015	Grinding Machine	" " "	Takatori shop
123	2022	Lathe	28 Feb. "	"
124	2050	Crank Press	25 Mar. "	"
125	2066	Screw Press	20 Mar. "	"
126	2067	Radial Drilling Machine	27 May "	"
127	2068	Drilling Machine	11 May "	Takatori shop, Kakogawa branch
128	2069	Bending Roller	10 Aug. "	Takatori shop
129	2070	Circular Sawing Machine	10 Mar. "	"
130	2071	Drilling Machine	9 Mar. "	"
131	2072	Testing Machine	" " "	"
132	2075	Jib Crane	18 Jun. "	"
133	2076	" "	" " "	"
134	2082	Band Sawing Machine	10 Mar. "	"
135	2102	Tyre Clamping Roller	15 Dec. "	"
136	2103	Air Compressor	18 Jun. "	Kakogawa Branch
137	2105	Shearing Machine	15 Mar. 1948	Takatori Workshop
138	2106	Lathe	17 Apr. "	"
139	2107	"	" " "	"
140	2108	Jib Crane	" " "	Kakogawa Branch
141	2233	Electric Welding Machine	19 Jan. 1947	"
142	2234	" " "	" " "	"
143	2235	" " "	" " "	"
144	2236	" " "	" " "	"
145	2237	" " "	" " "	"
146	2238	" " "	18 Jun. "	Takatori Workshop
147	2239	" " "	" " "	"
148	2240	" " "	" " "	"
149	2247	Rotary Whetstone	15 Feb. "	"
150	2248	Electric Welding Machine	18 Jun. "	"
151	2138	Stoker	20 Mar. "	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS No:

Location: Vehicle Repair Shop

Item No.	Inventory Code No.	Name of Equipment	Date of installation	Former Installation Plant
		(5)		
152	2004-EX	Grinding Machine	13 Mar. 1947	Takatori Workshop
153	2035-EX	Drilling Machine	27 May "	"
154	2077	Valve Grinder	10 Mar. "	"
155	2078	Drilling Machine	18 Apr. "	"
156	2079	Drilling Machine	27 May. "	"
157	2080	Air Compressor	13 Mar. "	"
158	2134	Lapping Machine	17 Apr. 1948	Made in our shop
159	2149	Engine Starter	10 Sep. 1947	"
160	2275	Valve Grinder	27 May "	"
161	2276	Drilling Machine	10 Jun. "	"

Location: Machine Shop ~~Reproducting Shop, Machinery Shop~~,

Ex No.	Name of Equipment	Date of installation	Former installation Plant
	(6)		
2030	Motor	10 Nov. 1946	Takatori Workshop
2098	Washing Machine, with separator	" " "	"
2099	" "	" " "	"
2126	Motor	15 Aug. 1947	"
2127	Motor	" " "	"
2139	Drilling Machine, portable	10 May "	"
2140	Volt Meter	" " "	"
2144	Oil Circuit Breaker	" " "	"
2145	" " "	" " "	"
2147	" " "	" " "	"
2156	Motor	20 Jun. "	"
2163	Motor	" " "	"
2164	Transformer	10 May "	"
2165	"	" " "	"
2166	"	" " "	"
2167	"	" " "	"
2168	Current Transformer	" " "	"
2169	" "	" " "	"
2170	" "	" " "	"
2171v	" "	" " "	"
2172	" "	" " "	"
2173	" "	" " "	"
2174	" "	" " "	"
2175	Ohm Meter	" " "	"
2176	Ampere Meter	" " "	"
2177	Amplifier	" " "	"
2178	Phono Motor	" " "	"
2179	Speaker	" " "	"
2180	"	" " "	"
2181	"	" " "	"
2182	"	2 " "	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSS No.

Location: Machine ~~Machinery~~ Shop (Cont'd)

Item No.	Inventory Code ~~Ex~~ No.	Name of ~~Equipment~~	Date of installation	Former installation Plant
	(6)	Machine Shop - Cont'd		
193	2183-EX	Speaker	10 May 1947	Takatori Workshop
194	2184-EX	"	" " "	"
195	2185	"	" " "	"
196	2186	Exciter	10 May 1947	"
197	2187	"	" " "	"
198	2188	Microphone	" " "	"
199	2189	"	" " "	"
200	2190	Testing Machine	" " "	"
201	2191	Drilling Machine, Portable	15 Aug. "	"
202	2192	" " "	" " "	"
203	2193	" " "	" " "	"
204	2194	" " "	" " "	"
205	2195	" " "	" " "	"
206	2196	Magnetic Bell	10 Jun. 1947	"
207	2197	" "	" " "	"
208	2198	" "	" " "	"
209	2205	Electric ~~Bel~~ Iron	" " "	"
210	2208	" "	" " "	"
211	2210	" "	" " "	"
212	2211	" "	" " "	"
213	2213	Motor, Reduction Gear,	21 Aug. "	"
214	2214	" "	" " "	"
215	2215	" "	" " "	"
216	2221	Motor	10 Sep. "	"
217	2225	"	" " "	"
218	2226	"	" " "	"
219	2227	Electric Pump	23 Dec. "	"
220	2228	Motor	" " "	"
221	2229	Centrifugal Pump	10 Sep. "	"
222	2230	Blower	20 Dec. "	"
223	2257	Motor, Reduction Gear	18 Jun. "	"
224	2258	" "	" " "	"
225	2259	" "	" " "	"
226	2279	Motor	" " "	"
227	2280	"	" " "	"
228	2281	" ,Hoist	15 Apr. "	"
229	2283	Lifting Pump	22 Dec. "	"
230	2284	" "	" " "	"
231	2285	" "	" " "	"
232	2286	Blower	13 Sep. "	"
233	2290	Heating Furnace	" " "	"
234	2291	" "	" " "	"
235	2292	Acetylene Gas Producer	" " "	"
236	2293	Centrifugal Pump	23 Dec. "	"
237	2294	Motor, Reduction Gear	15 Apr. "	"
238	2295	Blower	10 Sep. "	"
239	2296	Refrigerator	23 Dec. "	"
240	2297	"	" " "	"
241	2298	Electric Pump	15 Apr. "	"
242	2299	Motor, Reduction Gear	" " "	"

DECLASSIFIED E.O. 12065 SECTION 3 402, MRS NO.

Location Machinery Shop (Cont'd)

Item No.	Inventory Code No.	Name of Equipment	Date of installation	Former installation Plant
	(6)	Machine Shop - Cont'd		
243	2300-EX	Oil Switch	18 Feb. 1947	Takatori Workshop
244	2301-EX	" "	" " "	"
245	2302	" "	" " "	"
246	2303	" "	" " "	"
247	2304	" "	" " "	"
248	2305	" "	" " "	"
249	2306	" "	" " "	"
250	2307	" "	" " "	"
251	2308	" "	" " "	"
252	2309	" "	" " "	"
253	2310	" "	" " "	"
254	2311	" "	" " "	"
255	2320	Diesel Engine	23 Mar. 1948	Made in our shop
256	2341	Motor Siren	10 Feb. "	Purchased

Location Melting Shop

	Ex. No.	Name of Machine	Date of installation	Former installation Plant
	(7)	Melting Shop		
257	2250	Moulding Machine	15 May 1947	Purchased
258	2251	" "	" " "	"
259	2252	Sand Riddle	23 Dec. "	"
260	2253	Turn Puller	25 Feb. 1948	Made in our shop
261	2254	" "	" " "	"
262	2255	" "	" " "	"
263	2256	Grinding Machine c	20 Jun. 1948	Purchased
264	2312	Ladle		Takatori Workshop
265	2313	"		"
266	2314	"		"
267	2315	"		"
268	2316	"		"
269	2317	"		"
270	2318	"		"
271	2319	"		"

Location ~~Salvaging~~ ~~Reproduction~~ Shop
Reclaiming

	Ex. No.	Name of Machine	Date of installation	Former installation plant
	(8)	Reclaiming Shop		
272	2032	Motor	23 Feb. 1947	Takatori Workshop
273	2128	Washington Pump	23 Feb. 1947	Takatori Workshop
274	2129	"	18 Jul. "	"
275	2130	Separator	23 Feb. "	"
276	2289	Jib Crane	5 Jun. "	"

Total 276 Items

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO. _____

TAKASAGO RAILWAY WORKSHOP
(Harima factory of Ex-Osaka Military Arsenal)
Japanese Government

Date 30 June 1948

SUBJECT: Application for approval of machinery and instrument as "EX".

TO :
Commander, Hyogo Military Government Team

1) Since your approval was given to our report dated May 21st 1948 with regard to Ex-machinery located here in Harima Factory (Takasago Railway Workshop), some more have been brought in from outside as per enclosure No. I, for which your approval as EX is here requested.

2) And certain property of the Government Railway such as instruments, Tools, office Funitures and the like installed here in this Takasago Railway Workshop, as per enclosure No. II, for which your approval as exempt from reparations appointment is requested.

2 Enclosures

Susumu Hashima

Susumu Hashima,
Chief, Takasago Railway Workshop,
Osaka Railway Division,
Japanese Government.

DECLASSIFIED E.O. 12065 SECTION 3 402, MR&C NO.

Inclosure

Code No.	Name of Machine
100	Jib Crane
101	Jib Crane
144	Charging Crane
1115	Motor
106	Turbine Pump
107	Turbine Pump
108	Turbine Pump
1130	Centrifugal Pump
119	Turbine Pump
120	Turbine Pump
121	Turbine Pump
122	Turbine Pump
502	Pushing Machine
503	Blower
504	Rolling Mill
505	Straightning Roll
506	Shearing Machine
1175	Pneumatic Chipping Hammer
1176	" " "
1177	" " "
1178	" " "
1179	" " "
1180	" " "
1181	" " "
1182	" " "
1183	" " "
1184	" " "
1203	" " "
1204	" " "
1205	" " "
1206	" " "
1207	" " "
1208	" " "
1209	" " "
1210	" " "
1211	" " "
1212	" " "
1213	" " "
1215	" " "
1216	" " "
1217	" " "
1150	Metal Heating Furnace
1153	" " "
1154	" " "
1155	" " "
1156	" " "
1157	" " "
1158	" " "
1159	" " "

Code No.	Name of Machine
1134	Motor
172	Hydrauric Press
674	Chain Block
676	Chain Block
375	Lathe
405	Plane Milling Machine
379	Planer
422	Vertical Boring Machine
345	Slotter
438	Bending Tester
9	Coal Handling Equipment
10	Coal Handling Equipment
1141	Metal Heating Furnace
1142	Metal Heating Furnace
2C1	Electric Furnace
3C1	" "
6C1	" "
7C1	" "
1009-1068	Freight, Open top

Total 128

DECLASSIFIED E.O. 12065 SECTION 3 (E), NARS NO.

EQUIPMENT EXEMPTED FROM REPARATIONS REMOVAL

Plant Code No. 13 - 52

LIST OF EX-MACHINES
(Additional Items)

Enclosure I Name of Plant. Harima Factory of Osaka Military arsenal Date, 21 Jun. 1948

Harima Factory

~~Location~~ (1). Passenger Car Repair Shop

Inventory Code ~~Eq.~~ No.	Name of ~~Machine~~ Equipment	Quantity	Date of Installation	Former Installation Plant
2335-EX	Motor	1	20 May 48.	Purchased
2336-EX &	Surface Plate	2	"	Takatori Railway Workshop
2337-EX	" "		"	"
2334-EX	Worthington Pump	1	15 May 48	"
2347-EX	Dyeing Machine	1	15 May 48.	"

~~Location~~ (2) Finishing Shop

2348-EX	Drilling Machine (Bench Type)	1	15 May 48.	Purchased
2349	Blower, Electric	1	20 May 48.	Takatori Railway Workshop
2350, &	Melting Furnace, Coke		"	Made
2351	" "	2	" "	"
2352	Heating Furnace	1	"	"
2375-EX &	Hoist, Electric	2	4 Jun. 48	Takatori Railway Workshop
2357	Lathe		17 Apr. 48	"
2376-EX	Hoist, Electric		4 Jun. 48	"
2377	Tyre Clamping Hammer		4 June. 48	"
2378	Lathe, Turret		4 Jun. 48.	

~~Location~~ (3) Steel Working Shop

2360-EX	Heating Furnace, Electric.	1	10 May 48.	Takatori Railway Workshop
2356-EX,	Electric Welder	14	25 May 48.	"
2361-EX thru 2367-EX	"		13 May 48.	"
2362	" "		"	"
2363	" "		"	"
2364	" "		"	"
2365	" "		"	"
2366	" "		"	"
2367	" "		"	"
2369-EX thru 2374-EX	" "		25 May 48.	"
2370	" "		"	"
2371	" "		"	"
2372	" "		"	"
2373	" "		"	"
2374	" "		"	"
2353-EX thru	Surface Plate	3	15 May 48	"
2354	" "		"	"
2355-EX	" "		"	"

~~Location~~ (4) Forging Shop

2342-EX	Sawing Machine Circular	28 May 48.	Purchased
2343	Saw Filer	"	Takatori Railway Workshop
2345	Air Tank	15 May 48.	"
2346	Grinding Machine	25 May 48.	"

DECLASSIFIED E.O. 12065 SECTION 3 (E), NARS DATE

Inventory Code No.	Name of Equipment	Quantity	Date of Installation	Former Installation
	Location (3) Steel Making Shop 續			
2339-EX & 2340-EX	Ladle	2	15 May 48.	Takatori Railway Workshop
			"	"
	Location (5) Machine Shop			
2348	Pump	1	15 May 48.	Takatori Railway Workshop
2359	Motor	1	26 Apr. 48	
	Location (6) Reclaiming Shop			
2338	Sawing Machine, Circular Wood Working	1	10 May 49	Takatori Railway Workshop

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Incl. 1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

LIST OF EX-MACHINES

Enclosure I

Inventory Code ~~No.~~	Name of ~~Machine~~ Equipment	~~Capacity~~ Quantity	Remarks
4001-EX thru ~~4043~~ 4044-EX	Portable Drill, Pneumatic	43	Purchased
4002	"		"
4003	"		"
4004	"		"
4005	"		"
4006	"		"
4007	"		"
4008	"		"
4009	"		"
4010	"		"
4011	"		"
4012	"		"
4013	"		"
4014	"		"
4015	"		"
4016	"		"
4017	"		"
4018	"		"
4019	"		"
4020	"		"
4021	"		"
4022	"		"
4023	"		"
4024	"		"
4025	"		"
4026	"		"
4027	"		"
4028	"		"
4029	"		"
4030	"		"
4031	"		"
4032	"		"
4033	"		"
4034	"		"
4035	"		"
4036	"		"
4037	"		"
4038	"		"
4039	"		"
4040	"		"
4041	"		"
4042	"		"
4043 ~~-EX thru 4049-EX~~	Portable Drill, Electric	~~5~~	"
4045-EX thru 4049-EX	"		"
4046	"		"
4047	"		"
4048	"		"
4049	"		"
4050-EX & 4051-EX	Drilling Machine, Bench Type	2	"
4051	"		"
4044-EX	Portable Drill, Pneumatic	1	"

Incl. 1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNBS NO.

Inventory Code	Equipment Ex. No.	Name of ~~Machines~~	Quantity	Capacity	Remarks
	4052-EX thru 4055-EX	Hoist, Hand Chain	4	½ ton	Purchased
	4053	"		1 ton	"
	5054	"		"	"
	4055	"		2 ton	"
	4056-EX & 4057-EX	Truck, Gasoline	2		"
		"			"
	4058	Automoble, Gasoline			"
	4059	Trailer,			"
	4060	Hoist, Hand Chain	7	1 ton	"
	4061	"		"	""
	4062	"		2 ton	"
	4063	"		"	"
	4064	"		5 ton	"
	4065	"		15 ton	"
	4066	"		"	"
	4067	Gas Burner Welder	5		"
	4068	"			"
	4069	"			"
	4070	Gas Burner Welder			"
	4071	"			"
	4072	Portable Riveting Machine, Pneumatic.			"
	4073	Grinder, Bench Type			"
	4074	Gas Burner Welder	2		"
	4075	"			"
	4076	Portable Drill, Electric	12		"
	4077	"			"
	4078	"			"
	4079	"			"
	4080	"			"
	4881	"			"
	4082	"			"
	4083	"			"
	4084	"			"
	4085	"			"
	4086	"			"
	4087	"			"
	4088	Portable Grinder, Electric	2		"
	4089	"			"
	4090	Portable Hammer, Pneumatic			"
	4091	"			"
	4092	"			"
	4093	"			"
	4094	"			"
	4095	"			"
	4096	"			"
	4097	"			"
	4098	"			"
	4099	"			"
	4100	"			"
	4101	"			"
	4102	"			"
	4103	"			"
	4104	"			"
	4105	"			"

Incl. 1

DECLASSIFIED E.O. 12065 SECTION 3 NND No.

Mx. No.	Name of Machine	Capacity	Remarks
4106	Portable Hammer, Pneumatic	23	Purchased
4107	"		"
4108	"		"
4109	"		"
4110	"		"
4111	"		"
4112	"		"
4113	Portable Grinder, Pneumatic	3	"
4114	"		"
4115	"		"
4116	Gas Burner Welder	12	"
4117	"		"
4118	"		"
4119	"		"
4120	"		"
4121	"		"
4122	"		"
4123	"		"
4124	"		"
4125	"		"
4126	"		"
4127	"		"
4128	Gas Burner, Cutting	12	"
4129	"		"
2130	"		"
4131	"		"
4132	"		"
4133	"		"
4134	"		"
4135	"		"
4136	"		"
4137	"		"
4138	"		"
4139	"		"
4140	Auto. Cutting Machine		"
4141	Portable Drill, Electric	3	"
4142	"		"
4143	"		"
4144	Portable Hammer, Pneumatic	21	"
4145	"		"
4146	"		"
4147	"		"
4148	"		"
4149	"		"
4150	"		"
4151	"		"
4152	"		" "
4153	"		"
4154	"		"
4155	"		"
4156	"		"
4157	"		"
4158	"		"
4159	"		"
4160	"		"
4161	"		"
4162	"		"
4163	"		"
4164	"		"

Incl. 1

Ex. No.	Name of Machine	Quantity Capacity	Remarks
4165	Portable Grinder Pneumatic	7	Purchased
4166	"		"
4167	"		"
4168	"		"
4169	"		"
4170	"		"
4171	"		"
4172	Gas Burner Welder	31	"
4173	"		"
4174	"		"
4175	"		"
4176	"		"
4177 4178	"		"
4179	"		"
4180	"		"
4181	"		"
4182	"		"
4183	"		"
4184	"		"
4185	"		"
4186	"		"
4187	"		"
4188	"		"
4189	"		"
4190	"		"
4191	"		"
4192	"		"
4193	"		"
4194	"		"
4195	"		"
4196	"		"
4197	"		"
4198	"		"
4199	"		"
4200	"		"
4201	"		"
4202	"		"
4203	Gas Burner, Cutting	26	"
4204	"		"
4205	"		"
4206	"		"
4207	"		"
4208	"		"
4209			"
4210	"		"
4211	"		"
4212	"		"
4213	"		"
4214	"		"
4215	"		"
4216	"		" "
4217	"		"
4218	"		"
4219	"		"
4220	"		"
4221	"		"
4222	"		"
4223	"		"
4224	"		"
4225	"		"

Incl. 1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. [illegible]

Inventory Code ~~Ex.~~ No.	Name of ~~Machine~~ Equipment	Quantity Capacity	Remarks
4226	Gas Burner, Cutting		Purchased
4227	"		"
4228	"		"
4229	Auto Gas Burner Cutting Machine		"
4230	Portable Drill, Electric	4	"
4231	"		"
4232	"		"
4233	"		"
4234	Portable Grinder, Electric		"
4235	Grinding Machine, Bench Type		"
4236	Winch, Hand	~~2~~ ton	"
4237	Gas Burner Welder	18	"
4238	"		"
4239	"		"
4240	"		"
4241	"		"
4242	"		"
4243	"		"
4244	"		"
4245	"		"
4246	"		"
4247	"		"
4248	"		"
4249	"		"
4250	"		"
4251	"		"
4252	"		"
4253	"		"
4254	"		"
4255	Gas Burner Cutter	13	"
4256	"		"
4257	"		"
4258	"		"
4259	"		"
4260	"		"
4261	"		"
4262	"		"
4263	"		"
4264	"		"
4265	"		"
4266	"		"
4267	"		"
4268	Drilling Machine, Bench Type		"
4269	Portable Hammer, Pneumatic Stamping	10	"
4270	"		"
4271	"		"
4272	"		"
4273	"		"
4274	"		"
4275	"		"
4276	"		"
4277	"		"
4278	"		"
4279	Grinding Machine Bench Type		"
4280	Portable Hammer, Pneumatic	17	"
4281	"		"
4282	"		"
4283	"		"
4284	"		"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. [illegible]

Ex. No.	Name of Machine	Capacity	Remarks
4285	Portable Hammer, Pneumatic		Purchased
4286	"		"
4287	"		"
4288	"		"
4289	"		"
4290	"		"
4291	"		"
4292	"		"
4293	"		"
4294	"		"
4295	"		"
4296	"		"
4297	Hoist-Hand Chain	8 1/2 ton	"
4298	"	"	"
4299	"	"	"
4300	"	1 ton	"
4301	"	2 ton	"
4302	"	"	"
4303	"	5 ton	"
4304	"		"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

HAND TOOLS, ACCESSORIES, EXPENDABLE SUPPLIES, FURNITURES AND MISCELLANEOUS ITEMS EXEMPTED FROM REPARATIONS REMOVAL

~~Exempted from Reparations~~

Enclosure II

Plant Code No. 13-52

Name of Plant. Harima Factory of Osaka Military Arsenal

Machine's Accessory & Miscellaneous

Item No.	Ex No.	~~Items~~ Description	~~Nos~~ Quantity
		(1) Accessories	
1		• Anvil	9
2		• Ingot Case	1501
3		• Moulding Flask	242
4		• Cart, Hand, Wood	33
5	• 打ハ	• Scoop, for Coal	22
6	Ex machine & equip.	• Drill Socket	134
7	ノattachment トンテ	• Drill Chuck	19
8		• Jack	17
9	アリマス ハテ" No. テ市	• Sand Riddle	48
10	レマセン	• Hoist attachment	14
11		• Glass (Dust protector)	30
12		• Air Hose	110 m
13		• Grease Pump	2
14		• Acetylene Gas Producer	3
		(2) Cutting Tools	
15	4919	Saw Blade, (Band Saw)	595 m
16		• Saw Blade, (Circular Saw)	47
17		• Saw Blade, (Hack Saw)	300
18	4933,	Drill, Twist	5960
19		• Drill, Flat	291
20		• Plane Cutter, (Wood Planer)	46
21	4926-4930	Tool, (Lathe)	5456
22	4918-4923	Milling Cutter	1402
23	4924	Hob Cutter	847
24	4925	Reamer	295
		(3) Machanist Hand Tools	
25	4946	Wrenck	1415
26	4947	" (Box Type)	74 set
27	4956	Chisel	406
28		• Tongs	60
29		• Swage	15
30	4942	Caliper	22
31	4941	Hammer	602
32	4932	Die, (Screw Thread)	261 set
33	4934-4939	File	3421
34		• Snap	637
		(4) Measuring Instrument	
35		• Pitch Gauge	4 set
36	4940	Micrometer	84
37		• Level	9
38		○ Drawing Instrument	5
39		○ Rule (office)	159
40	4941	Vernier Caliper	139

Incl. 1

○ ハ Office Furniture ノ Section = 於テ計価シマス.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS No.

Item No.		Items	Nos.
		Measuring Instrument	
41		• Thickness Gauge	9
42		• Revolution Indicator	4
43		• Thermometer	1
44		• Flashing Point Tester	1
45		• Dial Indicator	6
46		• Gauge, Tyre Measuring	14
47		• Meg, Ohm Meter	1
48		• Balance	1
		Carpenter's Tools	
49	4952	Planer, Hand	883
50	4958	Chipping Shave	43
51		• Rule	10
52	4915	Nail puller	63
53	4917	Hand Drill	46
54	4960	Hack Saw, Hand	261
55	4956	Chisel, Wood	1452
56	4963	Gimlet	573
57		Axe	42
		Business Machine	
58		Calculator	9
59		Time Recorder	10
60		Drawing Board	35
61		Mimeograph	27
62		Paper Holder	4
63	Office Furniture (Business Machine)	Paper Punching	2
64		Number Stamping	4
65	什許備	Slide Rule	4
66		Mimeograph Steel	17
67		Typewriter, Japanese	8
68		Typewriter, English	1
		Office Furniture	
69		Card Rack	14
70		Safe	25
71		Baby Organ	1
72		Chair	933
73		Table	1636
74		Case	727
75	No Number	Bulletine Board	62
76		Umbrella Stand	3
77		Box, Miscellaneous	832
78		Clog Box	10
79		Screen	45
80		Carpet	4
81		Bench	682
82		Easy Chair	6
83		Chest of Drawers	17
84		Electric Stand	11
85		Clock	18
86			
87			

DECLASSIFIED E.O. 12065 SECTION 3-402/NNBS No: 71 [illegible]

Item No.		Items	Nos
		Office Furniture	
86		Electric Heater	10
87		Coat Hunger	33
88	no Number	Kettle	12
89		Radio	2
90		Ice Box	14
91		Electric Iron	11
		Miscellaneous	
92		Ladder	7
93			
94		Barber Chair	5
95		Mirror	4
96		Table. Hospital Use	71
97		Working Table, Chemical	7
98	Office Furniture	Frame, Blue Printing	1
99	Section 詳細	Chemicals Case	22
100		Bed	64
101		Operating Table	7
102		Washing Stand	5
103		Steam Sterilizing Boiler	2
104		Waste Can	18
105		Gauge Can	64
106		Medicine Bottle Stand	9
107		Sink	3

Inventory of Chemicals and Drugs at Harima Arsenal

23-7-12. 試驗用藥品在庫調 高砂工機部用品庫

(日本ノート紙)

品名	name	品質形狀	數量 Quantity	
モリブデン酸アンモン	Morybdansaures Ammonium	500g	63	bottles
蓚酸アンモン	Ammonium Oxalicum	"	3	
純ソーダ灰	Natrium Carbonicum pur.	"	10	
最純無水炭酸ソーダ	Sedium Carbonate Anhydrous extra pure	"	106	
硫酸鉄	Eisensulfat oxydul	"	14	
ヂメチルグリオキシム	Dimethylglyoxime	"	10	
蒼鉛酸ソーダ	Natrium Bisumuticum Purum	"	52	
酒石酸	Acidum ~~Tara~~ Tartaricum	"	195	
"		100g	408	
炭酸バリウム	Barium carbonate	500g	8	
過硫酸アンモン	Ammonium Persulphate	"	36	
鉛丹	Mennige	"	3	
純醋酸亜鉛	Zinc Acetate Pure	"	275	
醋酸カドミウム	Cadmium Acetate	"	102	
最純醋酸アンモン	Ammonium Acetate Extra Pure		68	
最純重硫酸カリ	Potassium Bicarbonate	"	1	

ヂメチルグリオキシム	Dimethylglyoxime	〃	10	
蒼鉛酸ソーダ	Natrium Bisumuticum Purum	〃	52	
酒石酸	Acidum ~~Tart~~ Tartaricum	〃	196	
〃		1000g	408	
炭酸バリューム	Barium carbonate	500g	8	
過硫酸アンモン	Ammonium Persulphate	〃	36	
鉛丹	Mennige	〃	3	
純酢酸亜鉛	Zinc Acetate Pure	〃	276	
酢酸カドミウム	Cadmium Acetate	〃	102	
最純酢酸アンモン	Ammonium Acetate Extra Pure	〃	68	
最純重炭酸カリ	Potassium Bicarbonate	〃	1	
		〃		

Code No.	Items		
13-52-1273	Electric Melting Furnace	10 Ton	
1274	"	10	"
1275	"	15	"
1276	"	15	"
1277	"	5	"
1278	"	3	"
1279	Moyer Drying Furnace		
1280	"		
1281	"		
1282	Metal Annealing Furnace		
1283	"		
1284	"		
1285	Drying Furnace (Brick)		
1286	"	(")	
1287	"	(")	
1288	"	(")	
1289	"	(")	
1290	"	(")	
1291	Cupola		
13-52-1305	Optical Pyrometer		
1306	"		
1307	"		
1308	"		
1309	"		
1310	"		
1311	Electric Slit* Furnace		
1312	"		
1313	"		
1314	"		
1315	Ampere meter		
1316	"		
1317	Enlarger, photographic		
1318	Printer, photographic		
1319	"		
1320	X-Ray apparatus (hospital use)		
1321	"		"
1322	"		"
1323	Ultra Violet Ray Apparatus (hospital use		

DECLASSIFIED E.O. 12065 SECTION 3-402/NNBS NO.

1286	"	(")	1318 Printer, photographic
1287	"	(")	1319 "
1288	"	(")	1320 X-Ray apparatus (hospital use)
1289	"	(")	1321 " "
1290	"	(")	1322 " "
1291	Cupola		1323 Ultra Violet Ray Apparatus (hospital use
1292	Balance (Chemical)		1324 Infra Red Ray Apparatus (hospital use)
1293	"		1325 Diathermy (hospital use)
1294	"		1326 Chemical Centrifugals ~~machine~~
1295	"		1327 Dental X-Ray apparatus (hospital use)
1296	"		1328 Hydrometer
1297	"		1329 "
1298	"		1330 "
1299	"		1331 Potential Transformer
1300	~~Small~~ Transformer - small type		1332 "
1301	"		1333 Meg. Ohm meter
1302	"		1334 "
1303	"		1335 "
1304	Optical Pyrometer		1336 "

HARIMA. EVALUATION

DECLASSIFIED E.O. 12065 SECTION 3 402/NND NO.

13-52-1337 Volt meter	13-52-1359 Pyrometer Recorder
1338 "	
1339 "	
1340 "	
1341 Ampere meter	
1342 "	
1343 "	
1344 "	
1345 "	
1346 "	
1347 Volt meter, portable	
1348 "	
1349 "	
1350 "	
1351 Illumination Photo Meter	
1352 Ground Ohm Meter	
1353 Pyrometer	
1354 "	
1355 "	

DECLASSIFIED E.O. 12065 SECTION 3 402/NARS

1350	"	
1351	Illumination Photo Meter	
1352	Ground Ohm Meter	
1353	Pyrometer	
1354	"	
1355	"	
1356	"	
1357	"	
1358	"	
1359	"	
1360	"	
1361	"	
1362	Camera	
1363	"	
1364	Pyrometer Recorder	
1365	"	
1366	"	
1367	"	
1368	"	

HARIMA. EVALUATION.

Total 97

Incl. 3.

DECLASSIFIED E.O. 12065 SECTION 3-402/NND NO.

DECLASSIFIED E.O. 12065 SECTION 3 (E), NARS DATE

LIST OF LOCTED MACHINERY & EQUIPMENT

LOCATED IN THE PLANT

Name of Plant: Osaka Military Arsenal, Harima Factory

Plant Code No: 13 - 52

Inventory Code No.	C. P. C. No.	Name of Machine
13 - 52 - 43	5744	Lathe
157	5745	"
545	5746	"
546	5747	"
547	5748	"
684	5749	"
	5750	"
	5751	"
681	5752	Drilling machine
	5753	"
172	5754	Air Tank
176	5755	Band Sawing machine
667	5756	Motor
748	5757	"
750	5758	"
753	5759	"
754	5760	"
762	5761	"
763	5762	"
764	5763	"
765	5764	"
769	5765	"
775	5766	Motor Generator
786	5767	Transformer
788	5768	Transformer
770	5769	Centrifugal Pump
	5770	Pump
	5771	"
	5772	"
	5773	"
	5774	"
	5775	"
	5776	"
	5777	"
768		Motor
		"
		"
		Hand Press

DECLASSIFIED E.O. 12065 SECTION 3 (E), NARS DATE

Name of Plant: Osaka Military Arsenal, Herima Factory

Plant Code No: 13 - 52

Inventory Code No.	C. I. C. No.	Name of Machine
13 - 52 - 1160		Motor
		Grinding machine
		Milling machine
		Lathe
		Milling machine
		Drilling machine
		"
		Lathe
		"
		"
		"
		"
	5778	Pump
	5779	pump
	5780	Pump
13 - 52 - 675	5781	Chain Block
776		Teating Transformer
		Motor
		Motor
		"
		"
		Centrifugal Pump
		Battery Car
		Pump

	Metal working machinery I	Electrical machinery & apparatus II	General purpose industrial machinery & equipment III	Total
1 & 2	381	349	327	1057
3	60	2	34	96
Total	440	351	361	1153
In use	258 ~~(91)~~	309	279 9	746 * (755)

* Those 9 Wood working Machines ~~have~~ been already exempted from reperations and are all inuse.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. [illegible]

FILE

HYOGO MILITARY GOVERNMENT TEAM
APO 317

NAT/ryf/yy

400.170

11 February 1948

SUBJECT: Machinery and Equipment of Ex-Arsenals in Temporary Authorized Use.

TO : Hyogo Liaison Office

1. Reference is made to your letter, dated 28 January 1948, on above subject, requesting perusal of the list of subject machinery and equipment prepared by the Kobe Regional Branch of the Osaka Finance Bureau.

2. Thorough check of records on file at this headquarters show the list of arsenal machinery and equipment in temporary authorized use (inclosure to reference letter) to be correct.

FOR THE COMMANDING OFFICER:

LOUIS C. HUTTON
Major, Calvary
Executive Officer

412.31 - # 52

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. 717092

HYOGO LIAISON OFFICE

HLO-67

January 28, 1948

To: Lt. Col. Russell G. Rehkop,
Commanding,
Hyogo Military Government Team.

Attention: Chief of Commerce & Industry Section.

Subject: Temporary Use of Machinery & Equipment of Former Japanese Arsenals.

Sir,

We have recently received instructions from the Central Liaison Office in Tokyo to submit to your headquarters a list of machinery and equipment of former Japanese arsenals which are now being temporarily utilized under your permission and to obtain a reconfirmation of your previous permission for such temporary use.

We are therefore submitting herewith for your perusal and inspection the afore-mentioned list prepared by the Kobe Regional Branch of the Osaka Finance Bureau; and we would highly appreciate your kindly letting us have your confirmation as mentioned above by return.

Yours truly,

Hiroto Tanaka

Hiroto Tanaka,
Chief,
Hyogo Liaison Office.

KA/

DECLASSIFIED E.O. 12065 SECTION 3 402/NARS

List of Machine and Equipment in Authorized Temporary Use

Code No.	Name of Factory	Location	Temporary User	Authorized by:	Remarks
45-6	Aboshi Works, Tokyo Shibaura Denki K.K.	1000 Hamada, Aboshi-ku, Himeji City	Tokyo Shibaura Denki K.K.	8th Army; Mar.1,1947	1-337
13-132(AB)	Takatori Workshop, Osaka Railway Division	Takatori, Suma-ku, Kobe City	Osaka Railway Division	- " -	1-146
13-52	Takasago Workshop, Osaka Railway Division	Arai-mura, Kako-gun	Committee for Disposal of Destroyed Implement of War	8th Army; Mar.20,'46	87-115, 117-148 502-511
13-52	- " -	- " -	Osaka Railway Division	M.G.; May 8,'47	149-501, 512-811 841
13-52	Hyogo Seiko K.K.	Okubo, Okubo-cho, Akashi-gun	Hyogo Seiko K.K.	- " -	812-823
13-52	Kobe Technical College	3 Matsunotori, Nagata-ku, Kobe City	Kobe Technical College	- " -	824-840
13-132(V)	Kobe Shipyard, Mitsubishi Jukogyo K.K.	Wadamisaki, Hyogo-ku, Kobe City	Mitsubishi Jukogyo K.K.	M.G.	1-2
13-53	Shirahama Works, Surely Sangyo K.K.	Shirahama-cho, Himeji City	Surely Sangyo K.K.	M.G.; Nov.19,'46	439, 1007 1008, 1009
22-25(D)	Saji-cho Nogyo-kai	Saji-cho, Hikami-gun	Saji-cho Nogyo-kai	M.G.	1-6
13-53	Fukuchiyama Kikan-ku	Fukuchiyama City, Kyoto-fu	Osaka Railway Division	M.G.; July 3,'46	467, 468

Code No.	Name of Factory	Location	Temporary User	Authorized by:	Remarks
13-53	Umeda Kikan-ku	Osaka Station, Osaka City, Osaka-fu	Osaka Railway Division	M.G.; July 3,'46	409
13-53	Himeji Kikan-ku, Yohinko	Himeji Station, Himeji City	- " -	- " -	470
13-53	Himeji 2nd Kikan-ku	- " -	- " -	- " -	472
13-53	Takatori Workshop	Takatori, Suma-ku, Kobe City	- " -	- " -	479-482 485-487
13-53	Himeji Denryoku-ku	Himeji Station, Himeji City	- " -	- " -	471
13-53	Goto Workshop	Yonago City, Tottori-ken	- " -	- " -	478, 483
13-53	Yodogawa Shaden-ku	Osaka City	- " -	- " -	491
13-53	Kameyama Kikan-ku	Kameyama-cho, Mie-ken	- " -	- " -	494
13-53	Suita Kikan-ku	Suita City, Osaka-fu	- " -	- " -	488
13-53	Akashi Densha-ku	Akashi Station, Akashi City	- " -	- " -	492
13-53	Tanabe Kikan-ku	Tanabe Station, Tanabe-cho, Waka-yama-ken	- " -	- " -	489
13-53	Miyahara Densha-ku	Osaka-fu	- " -	- " -	490
13-53	Himeji Hosen-ku	Himeji Station, Himeji City	- " -	- " -	473, 474
13-53	Suita Workshop	Suita City, Osaka-fu	- " -	- " -	476, 477
13-53	Wakayama Kikai Koji-ku	Wakayama Station, Wakayama City	- " -	- " -	484
13-53	Ryuze Kikan-ku	Nakakawachi-gun, Osaka-fu	- " -	- " -	493

Code No.	Name of Factory	Location	Temporary User	Authorized by:	Remarks
13-53	Kakogawa Kikan-ku	Kakogawa-cho, Kako-gun	Osaka Railway Division	M.G.; July 3, '46	475
13-53	Himeji Hosen-ku	Himeji Station, Himeji City	- " -	- " -	495
13-53	Himeji Shaden-ku	- " -	- " -	- " -	496
13-~~52~~53	Himeji Hosen-ku	- " -	- " -	- " -	497, 499
13-~~52~~53	Ikuno Hosen-ku	Ikuno Station, Ikuno-cho, Asako-gun	- " -	- " -	498
13-~~52~~53	Himeji 1st Kikan-ku	Himeji Station, Himeji City	- " -	- " -	500-502
13-132(AE)	Himeji Shaden-ku	- " -	- " -	Finance Bureau	Application already filed with M.G.
13-132(AH)	Himeji Hosen-ku	- " -	- " -	- " -	1
13-132(AJ)	Sasayama Jidosha-ku	Kawara-machi, Sasayama-cho, Taki-gun	- " -	- " -	1-3
13-132(AK)	Akashi Works, Shinko Heiki K.K.	111 Okubo-cho, Akashi-gun	Sun Enamel K.K.	Finance Bureau; Mar.4, '47	598, 599
13-132(L)	Harima Kogyo K.K.	Ko-285 Shirahama-cho, Himeji City	Harima Kogyo K.K.	Finance Bureau	Application already filed with M.G.
13-132(AD)	Akashi Works, San'yo Densha K.K.	41 Funakami-cho, Akashi City	San'yo Densha K.K.	- " -	1-4
13-132(AI)	Banshu Jidosha K.K.	Kakogawa-cho, Kako-gun	Banshu Jidosha K.K.	- " -	1-7
13-132(N)	Nakata Iron Works	Yamaguchi-mura, Asako-gun	Nakata Iron Works	- " -	1-2
13-132(J)	Fukiai Works, Kawasaki Jukogyo K.K.	Wakinohama, Fukiai-ku, Kobe City	Kawasaki Jukogyo K.K.	- " -	1-2

Code No.	Name of Factory	Location	Temporary User	Authorized by:	Remarks
13-132(G)	Ichikawa Works, Shinki Jidosha K.K.	Ichikawa, Himeji City	Shinki Jidosha K.K.	Finance Bureau	1
13-132(AG)	Keihanshin Kyuko Densha K.K.	Takagi, Kawasaki-cho, Muko-gun	Keihanshin Kyuko Densha K.K.	- " -	1-2
13-132(Q)	Honsha Works, Kobe Seikosha	Wakinohama-cho, Fukiai-ku, Kobe City	Kobe Seikosha	- " -	-12
13-132(D)	Kawabe Noki K.K.	Higashihashi-zaki, Kamioka-mura, Ibo-gun	Kawabe Noki K.K.	- " -	1-33
22-24(B)	Takatori Workshop	Takatori, Suma-ku, Kobe City	Osaka Railway Division	- " -	2-7
22-24(B)	Himeji Kikan-ku	Himeji Station, Himeji City	- " -	- " -	-8
22-24(B)	Fukuchiyama Station	Fukuchiyama City	- " -	- " -	-9-10
22-24(B)	Sachiyo Kogyo K.K.	Numa, Sachiyo-mura, Hikami-gun	Sachiyo Kogyo K.K.	- " -	-39-40

* * * * *

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO. [illegible]

5 copies

INTEGRATED FACILITIES IN ARMY AND NAVY ARSENALS

SCAP IN NO. 629

Name of Arsenal Harima Factory of the Osaka Military Arsenal and identification Code 13-52

Address Arai-mura, Kako-gun, Hyogo-ken

Type of Manufacturing Facility Laboratory

Principal Product Manufactured Physical and chemical test of materials

Approximate Capacity of principal end products in terms of one eight hour shift physical test 400 pieces per day, chemical analysis 5 charges of steel making work

Approximate average age of major equipment 5 years

List of inventory code numbers for items of equipment in above listed manufacturing facility which were inventoried under OD 5/4 and 5/10

611, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, *795, 796, 797, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 853, 1102, 1103

(*Remarks: This item is the same as the following microscope.)

Items not inventoried though reported to T.I.D., GHQ, SCAP.

Name	Quantity ~~Piece~~	Name	Quantity ~~Piece~~
Balance	6	Printer	1
Small Transformer	4	Hydrometer	2
Slit Furnace	4	Megar	1
Block Gauge	2	Amperemeter	2
Level	1	Illumination photometer	1
Dial Indicator	4	Pyrometer	3
*Microscope	1	Camera	2
Enlarger	1		

Remarks
Authorized for operation as of June 30 1947

Partial Yes___ No___
Total Yes X No___

27th Dec. 1947

Signature

For the Superintendent of the Harima Factory Department, Osaka Financial Bureau

Tatsuo Inoguchi

Tatsuo Inoguchi
Chief of Reparations Dept.
Investigation Section
Takasago Railway Workshop

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO: 1 1 0 1

INTEGRATED FACILITIES IN ARMY AND NAVY ARSENALS

SCAPIN NO. 629

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Address Arai-mura, Kako-gun, Hyogo-ken

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Principal Product manufactured Physical and chemical test of materials

Approximate Capacity of principal end products in terms of one eight hour shift:
Physical test 400 pieces per day, chemical analysis 5 charges of steel making work.

Approximate average age of major equipment 5 years

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611, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652,
653, 654, 655, 656, 657, *795, 796, 797, 800, 801, 802, 803, 804,
805, 806, 807, 808, 809, 810, 811, 853, 1102, 1103.

(*Remarks: This item is the same as the following microscope.)

Items not inventoried though reported to T.I.D., GHQ, SCAP.

Name	Quantity	Name	Quantity
Balance	6	Printer	1
Small Transformer	4	Hydrometer	2
Slit Furnace	4	Megar	1
Block Gauge	2	Amperemeter	2
Level	1	Illumination photometer	1
Dial Indicator	4	Pyrometer	3
*Microscope	1	Camera	2
Enlarger	1		

Remarks:

Authorized for operation as of June 30 1947:

Partial Yes____ No____
Total Yes_X_ No____

27 December 1947

Y. Mitsunobu
Signature