

**TABULATION OF
EXISTING AND REQUIRED FACILITIES**

**MASTER PLAN
FUTURE DEVELOPMENT PLAN**

**AKIZUKI
AMMUNITION DEPOT
HIROSHIMA PREFECTURE, JAPAN**

MAR. 13, 1987

FINAL SUBMITTAL

MARCH 1987

Prepared for:



**US Army Corps
of Engineers
Japan Engineer District**

Prepared by:

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ARCHITECTS ENGINEERS PLANNERS 4-32-4 NISHI-SHINJUKU SHINJUKU-KU TOKYO, JAPAN

11 March 1987

Department of the Army
Japan District, Corps of Engineers
APO San Francisco 96343-0061

Subject: AE Contract DACA79-82-C-0053
Preparation/Upgrade of Phase II
Master Planning Documents
Akizuki Ammunition Depot
Hiroshima Prefecture, Japan

Gentlemen:

Following is the Tabulation of Existing and Required Facilities (DA FORM 2369-2-R, 1 July 1972) for Akizuki Ammunition Depot developed in accordance with the Scope of Work under subject contract.

The Tabulation of Existing and Required Facilities is to be used in conjunction with the Analytical/Environmental Assessment Report and the Future Development Plans as an integral part of the future development components of the Master Plan of the Army installation of concern.

We trust that this work has been completed to your satisfaction and will be of use to your installation.

Cordially,



Joseph H. Onuma, President
Onuma and Onuma Associates, Inc.

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INSTRUCTIONS FOR PREPARATION OF DA FORM 2369-2-R

1. **Column a.** Under each construction category number, list the different types of facilities on separate lines by facility name as given in AR 415-28 (where applicable) and otherwise by either permanent or nonpermanent function. When several categories are combined into a structure or complex the name of the structure or complex title should be included in parentheses below the specific category code name in column a.

2. **Column b.** Enter all pertinent units of measure and/or capacity (where applicable) for each type of facility in accordance with nomenclature for units of measures as given in AR 415-28; e.g., for FW runway flexible, total SY; for EM barracks w/mess, total men and total SF; for chapel and theater w/stage, total seats and total SF; for water storage tanks, ground, total gallons.

3. **Column c.** Enter space allowances as given in Department of Defense Manual 4270.1-M, and Department of the Army technical manuals TM 5-800-1 and TM 5-803-4 and AR 415-18.

4. **Column d.** Enter all total scopes. If required scope is not provided for by above-mentioned space criteria documents, or if the provision is not adequate, justification for the stated scope will be given as provided for by 8a below. The gross long range housing requirement will be used for master planning purposes only.

5. **Column e.** Enter total scopes of all permanent facilities which are existing or under construction, regardless of the source of funds. Under Category Code 711, include the total number of "not military controlled" units reported in the latest family housing survey or report as a part of assets available. Show "as of date" of report and breakout of units "not military controlled" under "Remarks", column h. Under Category Code 724 include, as part of available assets, the total number of bachelor officers who are authorized by Public Law to live off post and who are actually doing so. Show number of these offpost bachelors under "Remarks," column h.

6. **Column f.** Enter total scopes of all facilities appropriated for by Congress but not yet under construction (to be obtained from final budget justification sheets of fiscal year programs) plus scopes of all other new facilities finally approved for construction from other than MCA funds (including minor new

construction funds and nonappropriated funds) but not yet being built. Show scope and fiscal year that facilities were funded, and the source of funds for other than MCA facilities under "Remarks", column h.

7. **Column g.** Enter total scopes based on column d minus those in columns e and f. This balance will constitute the scopes of items proposed for current and all subsequent fiscal year programs. The entry should be included in parentheses for those facilities to be included in the total scope of another category.

8. **Column h.** Enter the following information in the "Remarks" column:

a. When facility requirements totaled in column d are not based solely on long range military strength, the appropriate basis will be given in column h; for example, projected monthly dollar sales volume of a commissary; or number of vehicles to be supported by a post motor pool; or number of assigned aircraft by types requiring aircraft parking apron. Brief special justification of any scopes entered in column d which are in excess of allowances entered in column c will be given either in this column or on addendum sheets to the tabulation.

b. When the scope of more than one structure is totaled in column e, the number of structures by size will be given in this column; e.g., for FW runway, flexible, one 75 by 3,000 feet and one 150 by 5,000 feet; or for EM barracks w/mess, ten 235-man @ 40,138 FS and five 325-man @ 52,772 SF; or for theater w/stage, two 500-seat @ 9,275 SF and three 1,000-seat @ 18,054 SF; or for water storage tanks, ground, one 50,000 gallon and two 25,000 gallon.

c. When separate prime functions are combined in one existing or proposed building, a cross-reference to the scopes and category codes of each function which are entered under separate category numbers will be given in this column.

9. **Columns i and j.** Self-explanatory. However, the temporary facilities listed in column j under Category Codes 721, 722, and 724 will be broken out by classes A and B as defined in AR 210-18.

(Reference -- AR 210-20, Appendix B)

Note: Certain data in the following form is omitted where it is not deemed applicable or useful for the purpose of determining future fixed facilities requirements.

TABULATION OF EXISTING AND REQUIRED FACILITIES - FACILITIES REQUIREMENTS (AR 210-20)	NAME OF INSTALLATION AKIZUKI AMMUNITION DEPOT		DATE PREPARED MARCH 1987		REVISION DATE (If applicable)		CATEGORY NUMBERS ON THIS PAGE		REPORTS CONTROL SYMBOL ENG - 126 (R3)	
					FROM 11131	TO 13181	PAGE NUMBER 1	NO. OF PAGES 12		
CATEGORY NUMBER AND FACILITY NAME a	UNIT AND/OR CAPACITY b	PERMANENT FACILITIES					REMARKS h	NONPERMANENT FACILITIES (Existing or under Construction)		
		TOTAL ALLOWED (e) c	TOTAL REQUIRED d	EXISTING OR UNDER CONSTRUCTION e	APROP BUT NOT UNDER CONSTRUCTION f	BALANCE REQUIRED TO ACCOMPLISH MISSION g		SEMI-PERMANENT i	TEMPORARY j	
100 OPERATIONAL AND TRAINING FACILITIES										
110 AIRFIELD PAVEMENTS										
11131 HELIPAD OT C&B	SY	1,100	180	278		0	(c,d) EXCLUDING SHOULDER	0	0	
120 LIQ FUEL & DISP FAC										
12310 GAS STA BLDG	SF	120	*	0		0	(i) BLDG S-2391 (j) BLDG T-216	30	35	
12450 VEH FUEL STR	GA	1,380	1,380	3,960		0	(e) VEH GAS	0	0	
12470 HTG FUEL STR	GA	26,600	13,300	6,725		6,575	(c) 2 MONTH SUPPLY (d) 1 MONTH SUPPLY (e) 12 TANKS, ALL DIESEL	0	0	
12480 DIESEL OIL STR	GA	AS REQ'D	*	6,500		0	(e) 2 TANKS @2000 GA (VEH & EQUIP) & 4500 GA (FERRY & EQUIP)	0	0	
130 COMM, NAVALD & AFLD LTC										
13180 TEL EXCH BLDG	SF	550	550	0		550	(c,d) FOR 100 LINES (i) IN BLDG S-331 (50 LINES) (FUTURE DEMO)	252	0	
13181 TERM EQP BLDG	SF	-	*	359		0	(e) BLDG P-001	0	0	

* See Department of Defense Manual 4270.1-M, and Department of the Army AR 415-18, and TM 5-800.1 and TM 5-803-4
DA FORM 2369-2-R, 1 Jul 72 Previous editions of this form are obsolete.

- = NOT DETERMINABLE BY GENERAL CRITERIA
* = EXISTING CONSIDERED SUFFICIENT

CATEGORY NUMBERS REFER TO CURRENT USE.
BACKUP DATA IN APPENDICES.

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					FROM 14140	TO 15930	PAGE NUMBER 2	NO. OF PAGES 12	
CATEGORY NUMBER AND FACILITY NAME a	UNIT AND/OR CAPACITY b	PERMANENT FACILITIES					REMARKS h	NONPERMANENT FACILITIES (Existing or under Construction)	
		TOTAL ALLOWED (*) c	TOTAL REQUIRED d	EXISTING OR UNDER CONSTRUC- TION e	APROP BUT NOT UNDER CONSTRUC- TION f	BALANCE REQUIRED TO ACCOMPLISH MISSION g		SEMI- PERMANENT i	TEMPORARY j
140 <u>LAND OP FACILITIES</u> 14140 BOX & CRATE SH	SF	INCLD IN	CAT 44220	0			(i) BLDG S-107	5,619	0

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					FROM 21430	TO 21910	PAGE NUMBER 3	NO. OF PAGES 12	
CATEGORY NUMBER AND FACILITY NAME a	UNIT AND/OR CAPACITY b	PERMANENT FACILITIES					REMARKS h	NONPERMANENT FACILITIES (Existing or under Construction)	
		TOTAL ALLOWED (e) c	TOTAL REQUIRED d	EXISTING OR UNDER CONSTRUC- TION e	APROP BUT NOT UNDER CONSTRUC- TION f	BALANCE REQUIRED TO ACCOMPLISH MISSION g		SEMI- PERMANENT i	TEMPORARY j
200 MAINTENANCE & PRO- DUCTION FACILITIES									
210 MAINTENANCE									
21430 VEH MNT SH GS	SF	4,800	4,800	0		5,300	(g) RELOCATE FAC FY 88, INCLD 500 SF FOR AMMO PN OFFICE (i) BLDG S-246 (DEMO FY 88)	7,566	0
21450 W VEH WASH UNC	VE	-	*	0		0	(j) FAC T-248	0	1
21454 W PLAT ORG LP	SY	187	*	100		0	(e) FAC P-300	0	0
21490 WASH SHED	SF	-	*	0		0	(j) FAC T-356	0	87
21610 AMMO RENV SHOP	SF	-	*	0		0	(i) BLDG S-318 (GEN PURP WHSE) (j) BLDG T-263 (OTHER USE)	5,220	2,866
21612 AMMO SURV FAC	SF	-	*	0		0	(i) BLDG S-308	2,445	0
21630 AMMO DEMOL FAC	EA	-	1	1		0		0	0
21690 OTHER	SF	13,100	13,100	0		13,100	(g) RELOCATE FIELD OFFICES FY 88 (INCLD CATS 21430, 21910 & 73010)	0	0
21850 BATTERY SHOP	SF	600	600	0		0	(i) BLDG S-245	1,236	0
21910 FE MAINT SHOP	SF	8,700	4,000	0		4,000	(g) RELOCATE FAC FY88 (i) BLDG S-340 (DEMO FY 88)	4,077	0

* See Department of Defense Manual 4270.1-M, and Department of the Army AR 415-18, and TM 5-800-1 and TM 5-803-4
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					FROM 42120	TO 44270	PAGE NUMBER 4	NO. OF PAGES 12	
CATEGORY NUMBER AND FACILITY NAME a	UNIT AND/OR CAPACITY b	PERMANENT FACILITIES					REMARKS h	NONPERMANENT FACILITIES (Existing or under Construction)	
		TOTAL ALLOWED (a) c	TOTAL REQUIRED d	EXISTING OR UNDER CONSTRUCTION e	APROP BUT NOT UNDER CONSTRUCTION f	BALANCE REQUIRED TO ACCOMPLISH MISSION g		SEMI-PERMANENT i	TEMPORARY j
400 <u>SUPPLY FACILITIES</u>									
420 <u>AMMUNITION STORAGE</u>									
42120 HI EXPLO MAG BK	SF	-	*	106,851		0	(e) 9 MAGS (i) 4 MAGS	17,814	0
42150 SMKLS PO MAG BK	SF	-	*	0		0	(i) 2 MAGS @ 7891 & 3366 SF	11,257	0
42182 SMALL ARMS MAG	SF	-	*	15,319		0		0	0
42183 GEN PURP MAG	SF	-	*	68,559		0	(e) 8 MAGS (i) 3 MAGS	108,243	0
440 <u>STORAGE - COVERED</u>									
44110 GEN PURP WHSE (DEPOT)	SF	-	*	0		0	(i) 2 FACS @ 18385 SF EA (BLDGS S-357 & S-359)	36,770	0
44170 UG STORAGE FAC	SF	-	*	60		0	(e) FAC P-329	0	0
44220 GEN PURP WHSE	SF	7,500	7,500	0		0	(i) BLDG S-240	11,345	0
44222 STORAGE SHED	SF	380	380	0		0	(i) BLDG S-242	397	0
44240 INFLAM MAT STHS	SF	375	375	3,846		0	(e) 8 FACS (1 INACT @ 164 SF) (i) 4 FACS	503	0
44270 GEN STOREHOUSE	SF	3,650	3,650	553		0	(e) BLDG P-233 (i) 5 FACS	9,771	0

* See Department of Defense Manual 4270.1-M, and Department of the Army AR 415-18, and TM 5-800.1 and TM 5-803-4
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					FROM 45110	TO 45290	PAGE NUMBER 5	NO. OF PAGES 12		
CATEGORY NUMBER AND FACILITY NAME a	UNIT AND/OR CAPACITY b	PERMANENT FACILITIES					REMARKS h	NONPERMANENT FACILITIES (Existing or under Construction)		
		TOTAL ALLOWED (*) c	TOTAL REQUIRED d	EXISTING OR UNDER CONSTRUC- TION e	APROP BUT NOT UNDER CONSTRUC- TION f	BALANCE REQUIRED TO ACCOMPLISH MISSION g		SEMI- PERMANENT i	TEMPORARY j	
450 STORAGE - OPEN										
45110 OPEN STOR AREA	SY	-	*	0		0	(j) 8 PADS	8,200	0	
45140 STOR PADS AMMO	SY	-	*	0		0		0	5,567	
45210 OPEN STR AREA	SY	-	*	0		0		0	944	
45290 GRAVEL & SAND ENC	SY	-	*	450		0		0	0	

* See Department of Defense Manual 4270.1-M, and Department of the Army AR 415-18, and TM 5-800-1 and TM 5-803-4

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				FROM 61011	TO 69010	PAGE NUMBER 6	NO. OF PAGES 12		
CATEGORY NUMBER AND FACILITY NAME a	UNIT AND/OR CAPACITY b	PERMANENT FACILITIES					REMARKS h	NONPERMANENT FACILITIES (Existing or under Construction)	
		TOTAL ALLOWED (*) c	TOTAL REQUIRED d	EXISTING OR UNDER CONSTRUCTION e	APROP BUT NOT UNDER CONSTRUCTION f	BALANCE REQUIRED TO ACCOMPLISH MISSION g		SEMI-PERMANENT i	TEMPORARY j
600 <u>ADMINISTRATIVE FACILITIES</u>									
610 <u>ADMIN BLDGS</u>									
61011 POST HQ BLDG	SF	(g)	*	0		REMARKS	(g) FUTURE PLANS CALL FOR SHIFTING ADMIN FACS TO KURE (i) BLDG S-325 (FUTURE DEMO)	2,790	0
61021 ENGR ADM BLDG	SF	(g)	*	0		REMARKS	(g) SEE CAT 61011 (g) (i) 2 FACS @ 3979 & 481 SF (BLDGS S-336 & S-339) (BOTH FUTURE DEMO)	4,460	0
61022 ORD ADM BLDG	SF	(g)	*	0		REMARKS	(g) SEE CAT 61011(g) (i) BLDG S-331 (FUTURE DEMO)	2,580	0
61023 SUP SVC ADM BLDG	SF	(g)	*	0		REMARKS	(g) SEE CAT 61011(g) (i) BLDG S-221 (FUTURE DEMO)	2,031	0
690 <u>ADM STRUC/OTHER</u>									
69010 FLAGPOLE	EA	-	2	2		0		0	0

* See Department of Defense Manual 4270.1-M, and Department of the Army AR 415-18, and TM 5-800-1 and TM 5-803-4
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					FROM 72110	TO 73075	PAGE NUMBER 7	NO. OF PAGES 12	
CATEGORY NUMBER AND FACILITY NAME a	UNIT AND/OR CAPACITY b	PERMANENT FACILITIES					REMARKS h	NONPERMANENT FACILITIES (Existing or under Construction)	
		TOTAL ALLOWED (*) c	TOTAL REQUIRED d	EXISTING OR UNDER CONSTRUC- TION e	APROP BUT NOT UNDER CONSTRUC- TION f	BALANCE REQUIRED TO ACCOMPLISH MISSION g		SEMI- PERMANENT i	TEMPORARY j
700 HOUSING & COMMUNITY FACILITIES									
720 UNACCOMPANIED PERSONNEL HOUSING									
72110 ENL BKS W/MESS	SF	(g)	*	0		REMARKS	(g) FUTURE PLANS CALL FOR SHIFTING TROOP SUPPORT FACS TO KURE (i) IN BLDG S-352 (DEMO FY 88)	4,603	0
730 PERS SUPP/SVC									
73010 FIRE STATION	SF	3,600	3,600	0		3,800	(g) RELOCATE FAC FY 88 (i) 2 FACS @ 378 SF (BLDG S-314) & 2225 SF (BLDG S-316) (BOTH DEMO FY 88)	2,603	0
73011 FIRE HOSE HS	SF	-	*	0		0	(j) BLDG T-313	0	450
73070 BICYCLE SHED	SF	-	*	0		0	(j) 5 SHEDS	0	1,333
73072 PO BRANCH	SF	400	400	0		400	(i) BLDG S-326	131	0
73075 PUBLIC TOILET	SF	-	*	0		0	(j) 6 FACS	141	552

* See Department of Defense Manual 4270.1-M, and Department of the Army AR 415-18, and TM 5-800-1 and TM 5-803-4

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					FROM 74022	TO 75020	PAGE NUMBER 8	NO. OF PAGES 12	
CATEGORY NUMBER AND FACILITY NAME a	UNIT AND/OR CAPACITY b	PERMANENT FACILITIES					REMARKS h	NONPERMANENT FACILITIES (Existing or under Construction)	
		TOTAL ALLOWED (a) c	TOTAL REQUIRED d	EXISTING OR UNDER CONSTRUCTION e	APROP BUT NOT UNDER CONSTRUCTION f	BALANCE REQUIRED TO ACCOMPLISH MISSION g		SEMI-PERMANENT i	TEMPORARY j
740 <u>COMMUNITY INTER</u>									
74022 SKILL DEV CEN	SF	0	0	0		REMARKS (g) SEE CAT 72110 (g) (i) BLDG S-236	971	0	
74047 OPEN DIN NCO	SF	(g)	*	0		REMARKS (g) SEE CAT 72110 (g) (i) IN BLDG S-352 (DEMO FY 88)	2,533	0	
74056 EXCH SVC OUTLET	SF	(g)	*	0		REMARKS (g) SEE CAT 72110 (g) (j) BLDG T-386 (FUTURE DEMO)	0	1,123	
74060 LUNCH ROOM	SF	-	*	0	0	(i) 3 ROOMS	2,275	0	
74069 RECREATION BLDG	SF	(g)	*	0		REMARKS (g) SEE CAT 72110 (g) (i) BLDG S-201 (j) BLDG T-385 (DEMO FY 88)	475	2,565	
750 <u>COMMUNITY EXTER</u>									
75011 MULT CT AREA	EA	1	1	0	0		1	0	
75020 BASEBALL FIELD	EA	0	0	0	0		0	1	

* See Department of Defense Manual 4270.1-M, and Department of the Army AR 415-18, and TM 5-800-1 and TM 5-803-4

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					FROM 81110	TO 83210	PAGE NUMBER 9	NO. OF PAGES 12	
CATEGORY NUMBER AND FACILITY NAME a	UNIT AND/OR CAPACITY b	PERMANENT FACILITIES					REMARKS h	NONPERMANENT FACILITIES (Existing or under Construction)	
		TOTAL ALLOWED (*) c	TOTAL REQUIRED d	EXISTING OR UNDER CONSTRUC- TION e	APROP BUT NOT UNDER CONSTRUC- TION f	BALANCE REQUIRED TO ACCOMPLISH MISSION g		SEMI- PERMANENT i	TEMPORARY j
800 <u>UTILITIES & GROUND IMPROVEMENTS</u>									
810 <u>ELECTRIC POWER</u>						REMARKS (g) SEE CAT 87210			
81110 PWR PL BLDG FOS	SF	AS REQ'D		0			0	104	
81230 EXT LIGHTING	LF	AS REQ'D		0			22,450	0	
81241 OVHD ELEC DISTR	LF	AS REQ'D		0			16,850	0	
81242 UNGD ELEC DISTR	LF	AS REQ'D		0			6,189	0	
81260 DISTRIB. XFRMR	KV	AS REQ'D		360			328	0	
820 <u>HEAT AND REFRIGERATION</u>						(i) 2 FACS @ 686 & 353 SF			
82116 HEAT PL BLDG	SF	AS REQ'D		0			1,039	0	
82210 STM CONDENS LNS	LS	AS REQ'D		0			1,416	0	
82220 HOT WATER LINES	LF	AS REQ'D		0		430	0		
830 <u>SEWAGE AND WASTE</u>						(e) 12 DRAIN FIELDS			
83120 SEP TK DRN FLD	KG	AS REQ'D		27.7			0	0	
83210 SANITARY SEWER	LF	AS REQ'D		2,465		0	0		

* See Department of Defense Manual 4270.1-M, and Department of the Army AR 415-18, and TM 5-800-1 and TM 5-803-4

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					FROM 84111	TO 84510	PAGE NUMBER 10	NO. OF PAGES 12	
CATEGORY NUMBER AND FACILITY NAME a	UNIT AND/OR CAPACITY b	PERMANENT FACILITIES					REMARKS h	NONPERMANENT FACILITIES (Existing or under Construction)	
		TOTAL ALLOWED (*) c	TOTAL REQUIRED d	EXISTING OR UNDER CONSTRUC- TION e	APROP BUT NOT UNDER CONSTRUC- TION f	BALANCE REQUIRED TO ACCOMPLISH MISSION g		SEMI- PERMANENT i	TEMPORARY j
840 WATER									
84111 WTR TRMT BLDG	SF	AS REQ'D	-	0		-	(j) INACTIVE	96	60
84120 ELEV WA STOR TK	GA	(INCLD IN CAT 84140)		9,900		0	(e) 2 TANKS @ 2000 & 7900 GA	0	0
84130 WATER WELL	KG	11.85	11.85	32.4		0	(e) 4 WELLS, ONE @ 32 KG	0	0
84140 RESERVOIR	GA	11,850	11,850	81,350		0	(e) 6 RESERVOIRS	0	0
84142 WTR PUMP STA BD	SF	AS REQ'D	-	0		-	(i) 2 FACS @ 110 & 123 SF	233	0
84210 WATER PIPE LN P	LF	AS REQ'D	-	10,116		-		0	0
84310 FIRE PRT PMP ST	SF	AS REQ'D	-	0		-		109	0
84440 ELEV WA TK NP	GA	REMARKS	REMARKS	302,000		0	(c,d) SEE APPEN A, CAT 84130 (e) 2 TANKS @ 132000 & 170000 GA	0	0
84460 FIRE PRO POND	GA	REMARKS	REMARKS	10,379		0	(c,d) SEE APPEN A, CAT 84130 (e) 3 PONDS @ 79, 2300 & 8000 GA (79 GA INACT)	0	0
84471 WATER WELL BLDG	SF	AS REQ'D	-	0		-		30	0
84510 WATER PIPE LN NP	LF	AS REQ'D	-	12,872		-		0	0

* See Department of Defense Manual 4270.1-M, and Department of the Army AR 415-18, and TM 5-800-1 and TM 5-803-4
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TABULATION OF EXISTING AND REQUIRED FACILITIES - FACILITIES REQUIREMENTS (AR 210-20)	NAME OF INSTALLATION AKIZUKI AMMUNITION DEPOT	DATE PREPARED MARCH 1987	REVISION DATE (If applicable)	CATEGORY NUMBERS ON THIS PAGE		REPORT'S CONTROL SYMBOL ENG - 126 (R3)			
				FROM 85110	TO 85220	PAGE NUMBER 11	NO. OF PAGES 12		
CATEGORY NUMBER AND FACILITY NAME a	UNIT AND/OR CAPACITY b	PERMANENT FACILITIES					REMARKS h	NONPERMANENT FACILITIES (Existing or under Construction)	
		TOTAL ALLOWED (+) c	TOTAL REQUIRED d	EXISTING OR UNDER CONSTRUCTION e	APROP BUT NOT UNDER CONSTRUCTION f	BALANCE REQUIRED TO ACCOMPLISH MISSION g		SEMI-PERMANENT i	TEMPORARY j
850 ROADS AND STREETS									
85110 ROAD PAVED	SY	AS REQ'D		300		25,060	(g) JFY 87 (FY 89) RECONSTRUCT APPROX 14,090 LF OF EXIST ROAD (ASPHALT CONC CONST)	22,529	0
85112 ROADS OT C&B	SY	AS REQ'D		0				0	7,034
85120 VEHICLE BRIDGE	SY	AS REQ'D		194			(e) 5 BRIDGES	0	0
85215 NON ORG VEH PRK	SY	AS REQ'D		0				9,253	7,860

• See Department of Defense Manual 4270.1-M, and Department of the Army AR 415-18, and TM 5-800.1 and TM 5-803.4
DA FORM 2369-2-R, 1 Jul 72
Previous editions of this form are obsolete.

TABULATION OF EXISTING AND REQUIRED FACILITIES - FACILITIES REQUIREMENTS (AR 210-20)	NAME OF INSTALLATION AKIZUKI AMMUNITION DEPOT		DATE PREPARED MARCH 1987		REVISION DATE (If applicable)		CATEGORY NUMBERS ON THIS PAGE		REPORTS CONTROL SYMBOL ENG - 126 (R3)	
							FROM	TO	PAGE NUMBER	NO. OF PAGES
							87110	92310	12	12
CATEGORY NUMBER AND FACILITY NAME a	UNIT AND/OR CAPACITY b	PERMANENT FACILITIES					REMARKS h	NONPERMANENT FACILITIES (Existing or under Construction)		
		TOTAL ALLOWED (*) c	TOTAL REQUIRED d	EXISTING OR UNDER CONSTRUCTION e	APROP BUT NOT UNDER CONSTRUCTION f	BALANCE REQUIRED TO ACCOMPLISH MISSION g		SEMI-PERMANENT i	TEMPORARY j	
870 <u>GROUND IMPROVEMENT STRUCTURES</u>										
87110 STORM SEWER	LF	AS REQ'D		23				32,178	0	
87150 RETAINING WALLS	LF	AS REQ'D		508				0	0	
87210 FENCE OR WALLS	LF	AS REQ'D		0		9,000	(g) CONSTRUCT SECURITY FENCING & LIGHTING JFY 87	10,298	0	
87230 SENTRY STATION	SF	AS REQ'D		0			(i) 2 FACS @ 119 & 190 SF	309	0	
87250 ENTRANCE GATE	LF	AS REQ'D		32			(e) 3 GATES	30	0	
900 <u>REAL ESTATE</u>										
92310 LAND FOR AGREE	AC	N/A		138.4				0	0	

* See Department of Defense Manual 4270.1-M, and Department of the Army AR 415-18, and TM 5-800.1 and TM 5-803.4
 DA FORM 2369-2-R, 1 Jul 72
 Previous editions of this form are obsolete.

APPENDICES

A. CRITERIA AND CALCULATIONS

B. POPULATIONS

C. ABBREVIATIONS

TABULATION OF EXISTING AND REQUIRED FACILITIES. FACILITIES REQUIREMENTS (AR 210-70)	NAME OF INSTALLATION AKIZUKI AMMUNITION DEPOT	DATE PREPARED MARCH 1987	REVISION DATE (If applicable)	CATEGORY NUMBERS ON THIS PAGE		REPORTS CONTROL SYMBOL ENG - 176 (R3)	
				FROM 11131	TO 21454	PAGE NUMBER A-1	NO. OF PAGES A-3

APPENDIX A CRITERIA AND CALCULATIONS

NOTE: FUTURE PLANS FOR THE AMMUNITION DEPOT CALL FOR A SIGNIFICANT SHIFT OF ADMINISTRATIVE PERSONNEL TO THE KURE INSTALLATION. THEREFORE, EVEN THOUGH OTHER PARTS OF THE WORK FORCE MAY EXPERIENCE AN INCREASE, NO OVERALL POPULATION INCREASE FACTOR WILL BE APPLIED FOR PLANNING PURPOSES.

11131 HELIPAD OT C&B, TM 5-803-4 CHAPT 5.

LIMITED USE HELIPAD

MAX SIZE, 100' x 100' = 10,000 SF = 1,100 SY

MIN SIZE, 40' x 40' = 1,600 SF = 180 SY.

12310 GAS STA BLDG, TM 5-800-1 SECT 3.12.2.

120 SF MAX EACH.

12450 VEH FUEL STR, TM 5-800-1 SECT 3.12.2.

TWO FILLINGS OF ALL VEHICLES.

GOV SED, 32/2 x 10 GAL = 160 GAL

GOV TRK, 32/2 x 20 GAL = 320 GAL

POV (U.S. OWNED), 21 x 10 GAL = 210 GAL

TOTAL = 690 GAL

DESIGN TOTAL = 2 x 690 = 1,380 GAL.

12470 HTG FUEL STR, USAREUR P 100-23.

70 GAL/PERSON PER MONTH

MINIMUM - 30 DAY STORAGE CAPABILITY

195 PN (AJ FORM 2289)

195 x 70 GAL x 1 MONTH = 13,650 GAL

195 x 70 GAL x 2 MONTH = 27,300 GAL.

13180 TEL EXCH BLDG, USAREUR P 100-32.

EXIST, 50 TEL LINES
FUTURE, 100 TEL LINES

FOR 200 - 400 LINES, 1,650 SF

ESTIMATE FOR 100 LINES, 1,650/3 = 550 SF.

14150 BOX AND CRATE SH, USAREUR P 100-62.

INCLD IN CAT 44220.

21430 VEH MNT SH GS, USAREUR P 200-14B.

5,300 SF FAC BY OTHERS

INCLDS 4,800 SF FOR VEH MAINT SHOP AND
500 SF FOR AMMO PN OFFICE.

21454 W PLANT ORG LP, USAREUR P 200-15.

ONE PLATFORM FOR EVERY 50 GOV OWNED VEH

EXIST, 32 GOV OWNED VEH

ONE PLATFORM = 1,680 SF = 187 SY.

TABULATION OF EXISTING AND REQUIRED FACILITIES - FACILITIES REQUIREMENTS (AR 210-70)	NAME OF INSTALLATION AKIZUKI AMMUNITION DEPOT	DATE PREPARED MARCH 1987	REVISION DATE (If applicable)	CATEGORY NUMBERS ON THIS PAGE		REPORTS CONTROL SYMBOL ENG. 126 (R3)	
				FROM 84130	TO 85110	PAGE NUMBER A-3	NO. OF PAGES A-3
<p>84130 WATER, TM5-813-1 & MIL-HDBK-1008.</p> <p>REQ'D DAILY DEMAND = DESIGN POPULATION X PER CAPITA DOMESTIC ALLOWANCE + FIRE DEMAND</p> <p>DESIGN POPULATION = (RESIDENTS + 33% OF NONRESIDENTS) X CAPACITY FACTOR = (0 + 0.33 x 195) x 1.50 = 97 PN</p> <p>PER CAPITA DOMESTIC ALLOWANCE = 150 GPD</p> <p>FIRE DEMAND - SPECIAL OCCUPANCIES EXIST HOWEVER CONSIDER EXTRA HAZARD REQUIREMENTS:</p> <p>a. W/O SPRINKLER = 2,500 GPM x 150 MIN = 375,000 GAL</p> <p>b. W/SPRINKLER = (0.35 GPM/SF x 3,000 SF + 750 GPM) x 105 MIN = 270,000 GAL</p> <p>c. YARD STORAGE = 2,000 GPM x 180 MIN = 360,000 GAL</p> <p>REQ'D DAILY DEMAND = 97 x 150 GPD + 375,000 GAL = 389,550 GAL</p> <p>DAILY DOMESTIC DEMAND = 97 x 150 GPD = 14,550 GAL</p> <p>EXIST WELL PRODUCTION = 32,400 GAL/DAY (CAT 84130)</p> <p>EXIST POTABLE STORAGE = 9,900 GAL + 81,350 GAL (CATS 84120 & 84140) = 91,250 GAL</p> <p>FIRE DEMAND = 375,000 GAL (SEE a. ABOVE)</p> <p>EXIST NONPOT STORAGE = 302,000 GAL + 10,379 GAL (CATS 84440 & 84460) = 312,379 GAL</p> <p>POTENTIAL FIRE STORAGE = 50% OF POTABLE + NON-POTABLE = 0.50 x 91,250 + 312,379 = 358,004 GAL</p>	<p>84140 RESERVOIR, TM 5-813-4, SECT 6.</p> <p>CONSIDER ONLY POTABLE STORAGE</p> <p>REQ'D STOR = 50% OF DAILY DOMESTIC CONSUMPTION</p> <p>DAILY DOMESTIC DEMAND = 14,550 GAL(SEE GAT 84130)</p> <p>REQ'D STOR = 0.50 x 14,550 GAL = 7,275 GAL</p> <p>EXIST (INCLUD CAT 84120), 81,350 GAL + 9,900 GAL = 91,250 GAL, O.K.</p> <p>84440 ELEV WA TK NP, TM 5-813-4, SECT 6.</p> <p>CONSIDER FIRE PROTECTION REQ'MTS</p> <p>REQ'D STO = FIRE DEMAND = 375,000 GAL (SEE CAT 84130)</p> <p>EXIST STOR (INCLD CAT 84460), 302,000 GAL + 10,379 GAL = 312,400 GAL (83% OF 375,000 GAL REQ'MT)</p> <p>INCLD POTABLE RESERVOIR (CAT 84140) (LEAVE CAT 84120 FOR DOMESTIC USE) 312,400 GAL + 81,350 GAL = 393,800 GAL, O.K.</p> <p>84460 FIRE PRO POND - SEE CAT 84440</p> <p>85110 ROADS PAVED</p> <p>RECONSTRUCT WITH ASPHALT CONC SURFACE COURSE AND APPROPRIATE BASE AND SUBBASE COURSES APPROX. 14,090 LF OF EXISTING ROADS CONSISTING OF 7,050 LF OF 20 FT WIDE PRIMARY ROAD AND 7,044 LF OF 12 FT WIDE SECONDARY ROAD.</p> <p>85220 SIDEWALK (FOOT PATH)</p> <p>CONSTRUCT SURFACED FOOT PATH ALONG INSIDE OF PERIMBTER FENCE.</p>						

TABULATION OF EXISTING AND REQUIRED FACILITIES - FACILITIES REQUIREMENTS (AR 210-20)	NAME OF INSTALLATION AKIZUKI AMMUNITION DEPOT	DATE PREPARED MARCH 1987	REVISION DATE (If applicable)	CATEGORY NUMBERS ON THIS PAGE		REPORTS CONTROL SYMBOL ENG - 126 (R3)	
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APPENDIX B POPULATIONS

POPULATION DATA USED FOR CALCULATIONS (APPENDIX A) BASED ON FORMS:

AJ FORM 2289,

PART-I USARJ ASSIGNED STRENGTH REPORT

PART-II USARJ ATTACHED STRENGTH REPORT

(BOTH DATED 30 JUNE 1986)

(REPORTS FOLLOWING)

ASSIGNED AND ATTACHED POPULATIONS (SUMMARIZED FROM AJ FORM 2289, PARTS I & II)

AKIZUKI AMMUNITION DEPOT

	AUTHORIZED	(ACTUAL)
U.S. MILITARY	19	(11)
U.S. CIVILIAN	6	(5)
MASTER LABOR CONTRACT - JAPANESE	<u>170</u>	<u>(173)</u>
TOTALS	195	(189)

KAWAKAMI AMMUNITION DEPOT

	AUTHORIZED	(ACTUAL)
U.S. MILITARY	8	(5)
U.S. CIVILIAN	4	(2)
MASTER LABOR CONTRACT - JAPANESE	<u>147</u>	<u>(147)</u>
TOTALS	159	(154)

TABLETION OF EXISTING AND
REQUIRED FACILITIES
FACILITIES REQUIREMENTS
(AR 210 20)

NAME OF INSTALLATION
AKIZUKI AMMUNITION DEPOT

DATE PREPARED
MARCH 1987

REVISION DATE
(If applicable)

CATEGORY NUMBERS
ON THIS PAGE

FROM TO

REPORTS CONTROL SYMBOL
FIG. 126 (R3)

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USARJ ASSIGNED ACTIVITIES - HONSHU AJ FORM 2289-I

USARJ ASSIGNED STRENGTH REPORT BY GEOGRAPHICAL LOCATION (USARJ Reg 570-10)
AS OF 30 JUNE 1986
REQUIREMENTS CONTROL SYMBOL YRM-217

Location	Authorization						Actual								Civ WAFM	Mil F.M.	Civ F.M.
	Off	WO	Enl	US Civ	MLC	Total	Off	WO	Enl	US Civ FYP	US Civ TPT	SEY	MLC	Total			
Akasaka			6		33	39			5				33	39		4	
Akizuki	3		16	6	168	193	3		8	5			171	187		3	5
Atsugi			2			2			2					2			
Hiro					28	28							28	28			
Iwakuni			4			4			3					3		12	
Kawakami			8	3	147	158			5	2			147	154		1	2
Kure			1		22	23			1				22	23			
Misawa			1		1	2			1				1	2		3	
Sagami-Fac	13		59	53	504	629	12		67	42	9	8	551	689	21	97	53
Sagamihara			3	4	30	37			5	3	20	12	30	70	32	26	4
Sasebo			2		1	3			1				1	2		5	
Sanno-Tokyo			1			1			1					1			
Yokohama			19	4	199	222			15	4			196	215		15	7
Yokosuka		1	11		1	13	1	1	12				1	15		14	
Yokota	1		6	1	7	15			6	1			9	16		13	
Zama	114	18	426	335	990	1,883	107	26	441	269	110	126	969	2,048	231	892	293
Okinawa*	2	1	6		1	10	2		6	1			8	17		4	
Total	133	20	571	406	2,132	3,262	125	27	579	327	139	146	2,167	3,510	284	1,089	364

* Persons assigned to U.S.A. Vet Det, Japan and U.S.A. Ammo Depot, Akizuki who are actually working on Okinawa.

TABLE A OF EXISTING AND
REQUIRED FACILITIES
FACILITIES REQUIREMENTS
(AR 210 20)

NAME OF INSTALLATION

AKIZUKI AMMUNITION DEPOT

DATE PREPARED

MARCH 1987

REVISION DATE

(If applicable)

CATEGORY NUMBERS
OF THIS PAGE

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TO

REPORTS CONTROL SYMBOL
FIG. 126 (R3)

PAGE NUMBER

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USARJ ATTACHED ACTIVITIES - HONSHU AJ FORM 2289-II

USARJ ASSIGNED STRENGTH REPORT BY GEOGRAPHICAL LOCATION (USARJ Reg 570-10)

AS OF 30 JUNE 1986

REQUIREMENTS CONTROL SYMBOL YRM-217

Location	Authorization						Actual									Civ WAFM	Mil F.M.	Civ F.M.
	OFF	WO	Enl	US Civ	MLC	Total	OFF	WO	Enl	US Civ FYP	US Civ TPT	SEY	MLC	Total				
Akasaka	1		8	7	88	104	1		8	5	2		89	105		22	5	
Akizuki					2	2							2	2				
Atsugi				2	1	3							1	1				
Camp Fuji				1		1								0				
Iwakuni				7	6	13				5			5	10	1		6	
Kawakami				1		1								0				
Kobe					1	1							1	1				
Kure					1	1							1	1				
Misawa	5	1	122	19	8	155	6	1	131	23			9	170	5	166	42	
Sagami-Fac			12	6	45	63			13	7			43	63	3	31	6	
Sagamihara			1	11	51	63			1	3	9		46	59	5		6	
Sasebo				1	3	4				2			3	5	1		3	
Sanno-Tokyo					17	17							16	16				
Yokohama	3	1	19	19	119	161	3	1	21	16	1	1	119	162	2	46	19	
Yokosuka			1	2	5	8	1		1	2			5	9		1		
Yokota	32		27	9	17	85	31		27	8			17	83	3	105	18	
Zama	16	12	93	231	294	646	17	11	104	241	46	16	293	728	80	384	270	
Total	59	14	283	316	658	1,328	59	13	306	312	58	17	650	1,415	100	755	375	

TABULATION OF EXISTING AND REQUIRED FACILITIES - FACILITIES REQUIREMENTS (AR 210-20)	NAME OF INSTALLATION AKIZUKI AMMUNITION DEPOT	DATE PREPARED MARCH 1987	REVISION DATE (If applicable)	CATEGORY NUMBERS ON THIS PAGE		REPORTS CONTROL SYMBOL ENG - 126 (R3)	
				FROM	TO	PAGE NUMBER C-1	NO. OF PAGES C-1
<p>Abbreviations used in the Tabulation of Existing and Required Facilities other than those common to AR 415-28 and AJ Form 2289.</p>		INCLD	Includes/Included				
		JFY	Japan Fiscal Year				
<p>APPEN Appendix</p> <p>APPROX Approximately</p> <p>CAT Category</p> <p>CIV Civilian</p> <p>CONC Concrete</p> <p>CONST Construction</p> <p>DEMO Demolition</p> <p>EQUIP Equipment</p> <p>EXIST Existing</p> <p>FAC Facility</p> <p>FY Fiscal Year</p> <p>GAL Gallons</p> <p>GOV Government</p> <p>GPD Gallons per Day</p> <p>GPM Gallons per Minute</p> <p>INACT Inactive</p>		MAX	Maximum				
		MIL	Military				
<p>MIN</p>		Minimum					
		N/A	Not Applicable				
<p>NONPOT</p>		Nonpotable					
		POV	Privately Owned Vehicle				
<p>REQ'D</p>		Required					
		'REQ'MTS	Requirements				
<p>SED</p>		Sedan					
		STOR	Storage				
<p>TRK</p>		Truck					
		W/	With				
<p>W/O</p>		Without					