

Annex-4: JAPAN'S GRANT AID SCHEME

The Government of Japan (hereinafter referred to as "the GOJ") is implementing the organizational reforms to improve the quality of ODA operations, and as part of this realignment, JICA was reborn on October 1, 2008. Following the decision of the GOJ, Grant Aid for General Project is extended by JICA.

Grant Aid is non-reimbursable fund to a recipient country to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. The Grant Aid is not supplied through the donation of materials as such.

1. Grant Aid Procedures (Attachment 1)

Japanese Grant Aid is conducted as follows-

- Preparatory Survey (hereinafter referred to as "the Survey")
 - The Survey conducted by JICA
- Appraisal & Approval
 - Appraisal by the GOJ and JICA, and Approval by the Japanese Cabinet
- Determination of Implementation
 - The Notes exchanged between the GOJ and a recipient country
- Grant Agreement (hereinafter referred to as "the G/A")
 - Agreement concluded between JICA and a recipient country
- Implementation
 - Implementation of the Project on the basis of the G/A

2. Preparatory Survey

(1) Contents of the Survey

The aim of the Survey is to provide a basic document necessary for the appraisal of the Project by JICA and the GOJ. The contents of the Survey are as follows:

- Confirmation of the background, objectives, and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the implementation of the Project.
- Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, financial, social and economic point of view.
- Confirmation of items agreed on by both parties concerning the basic concept of the Project.
- Preparation of a basic design of the Project.
- Estimation of costs of the Project.

The contents of the original request by the recipient country are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the Project is confirmed considering the guidelines of the Japan's Grant Aid scheme.

JICA requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even though they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project.

Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

(2) Selection of Consultants

For smooth implementation of the Survey, JICA uses (a) registered consulting firm(s). JICA selects (a) firm(s) based on proposals submitted by interested firms.

(3) Result of the Survey

The Report on the Survey is reviewed by JICA, and after the appropriateness of the Project is confirmed, JICA recommends the GOJ to appraise the implementation of the Project.

3. Japan's Grant Aid Scheme

(1) The E/N and the G/A

After the Project is approved by the Cabinet of Japan, the E/N will be signed between the GOJ and the Government of the recipient country to make a plea for assistance, which is followed by the conclusion of the G/A between JICA and the Government of the recipient country to define the necessary articles to implement the Project, such as payment conditions, responsibilities of the Government of the recipient country, and procurement conditions.

(2) Selection of Consultants

The consultant firm(s) used for the Survey will be recommended by JICA to the recipient country to also work on the Project's implementation after the E/N and the G/A, in order to maintain technical consistency.

(3) Eligible source country

Under the Japanese Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased. When JICA and the Government of the recipient country or its designated authority deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country. However, the prime contractors, namely, constructing and procurement firms, and the prime consulting firm are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

(4) Necessity of "Verification"

The Government of recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by JICA. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.

(5) Major undertakings to be taken by the Government of the Recipient Country

In the implementation of the Grant Aid Project, the recipient country is required to undertake such necessary measures as Attachment 1.

(6) Proper Use

The Government of recipient country is required to maintain and use the facilities constructed and the

equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid.

(7) Export and Re-export

The products purchased under the Grant Aid should not be exported or re-exported from the recipient country.

(8) Banking Arrangements (B/A)

- a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in a bank in Japan (hereinafter referred to as "the Bank"). JICA will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.
- b) The payments will be made when payment requests are presented by the Bank to JICA under an Authorization to Pay (A/P) issued by the Government of the recipient country or its designated authority.

(9) Authorization to Pay (A/P)

The Government of the recipient country should bear an advising commission of an Authorization to Pay and payment commissions to the Bank.

(10) Social and Environmental Considerations

A recipient country must ensure the social and environmental considerations for the Project and must follow the environmental regulation of the recipient country and JICA environmental and social considerations guideline.

FLOW CHART OF JAPAN'S GRANT AID PROCEDURES

Stage	Flow & Works	Recipient Government	Japanese Government	JICA	Consultant	Contractor	Others
Application	Request	✓					
	Screening of Project → Evaluation of T/R → Project Identification Survey (T/R : Terms of Reference)		✓	✓			
Project Formulation & Preparation	Preparatory Survey → Field Survey Home Office Work Reporting	✓	✓	✓			
	Preparatory Survey 2 (Basic Design) → Selection & Contracting of Consultant by Proposal → Field Survey Home Office Work Reporting	✓	✓	✓	✓		
	Explanation of Draft Final Report → Final Report	✓	✓	✓	✓		
Appraisal & Approval	Appraisal of Project		✓				
	Inter Ministerial Consultation		✓				
	Presentation of Draft Notes	✓	✓				
	Approval by the Cabinet		✓				
Implementation	E/N & G/A (E/N : Exchange of Notes, G/A : Grant Agreement)	✓	✓	✓			
	Banking Arrangement	✓					✓
	Consultant Contract → Verification → Issuance of A/P	✓		✓	✓		
	Detailed Design & Tender Documents → Approval by Recipient Government → Preparation for Tendering	✓		✓	✓		
	Tendering & Evaluation	✓		✓	✓	✓	
	Procurement / Construction Contract → Verification → A/P	✓		✓	✓	✓	
	Construction → Completion Certificate by Recipient Government → A/P	✓		✓	✓	✓	
	Operation → Post Evaluation Study (A/P : Authorization to Pay)	✓		✓			
Evaluation & Follow up	Ex-post Evaluation → Follow up	✓		✓			

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Annex-5: Major Undertakings to be taken by Each Government

NO	Items	To be covered by Grant Aid	To be covered by Recipient side
1	To bear the following commissions to a bank of Japan for the banking services based upon the B/A		
	1) Advising commission of A/P		•
	2) Payment commission		•
2	To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country and to assist internal transportation of the products		
	1) Marine (Air) transportation of the products from Japan to the recipient country	•	
	2) Tax exemption and custom clearance of the products at the port of disembarkation		•
	3) Internal transportation from the port of disembarkation to the project site	(•)	(•)
3	To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work		•
4	To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contract		•
5	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid		•
6	To bear all the expenses, other than those to be borne by the Grant Aid, necessary for the transportation and installation of the equipment		•
7	To give due environmental and social consideration in the implementation of the Project		•

(B/A: Banking Arrangement, A/P: Authorization to Pay)

Annex-6 Plan on Adequate Provision of Rural Water Supply in the Central Dry Zone
Sagaing Division

Sr	Township	No. of Villages to be implemented	System to be carried out					Priority		Remark		
			Deep T.W	Pond	Dug Well	Stream	Grand Total	1 st	2 nd		Total	
1	Ka Ni	15	15					15	6	9	15	Deep T.W (2) nos prop JICA
2	Ka Lay	0	6					6	10	2	12	
3	Ka Lay Wa	12	14	5	1			20	2	2	4	
4	Ka Tha	2	26	2				28	12	5	17	
5	Kaw Lin	17	12	3				22	10	16	26	
6	Kant Ba Lu	26	1					27	4	8	12	
7	Kyun Hla	12	1					13	1	1	2	
8	Khin Oo	1	15					16	4	11	15	
9	Khan Tee	0	25					25	10	15	25	
10	Chaung Oo	15	6					21	4	2	6	
11	Sagaing	25	7	7				34	7	7	14	
12	Sa Linn Gyi	6	5					11	3	2	5	
13	Ta Mu	7	1					8	2	2	4	
14	Tant Se	5	12				3	15	3	9	12	
15	Hti Chaint	4	10					14	3	2	5	
16	D Pae Yin	12	10					22	10	6	16	
17	Pin Le Bu	10	6					16	4	2	6	
18	Pe Le	6	0					6	2	2	4	
19	Phaung Pyin	0	2	2				4	2	2	4	
20	Ban Mauk	2	5	2				9	3	2	5	
21	Bu Ta Lin	5	2					7	2	6	8	
22	Min Kin	2	11					13	5	6	11	
23	Myin Mu	11	6					17	6	6	12	
24	Mon Ywar	6	23					29	3	20	23	
25	Maw Leik	0	10					10	6	4	10	
26	Myaung	23	7					30	3	4	7	
27	Yin Mar Bin	10	7					17	3	4	7	
28	Yae Oo	7						7			7	

Sagaing Division		No. of Villages to be implemented	System to be carried out					Priority		Remark
Sr	Township		Deep T.W	Pond	Dug Well	Stream	Grand Total	1 st	2 nd	
29	Shwe Bo	7	7			7	2	5	7	
30	Wet Let	10	10			10	5	5	10	Deep T.W (5)nos prop JICA
31	Won Tho	15		4	11	15	10	5	15	
32	Hom Ma Lin	41	11	30		41	18	23	41	
33	Ah Yar Taw	10	10			10	4	6	10	Deep T.W (2)nos prop JICA
34	Inn Taw	15	1	13	1	15	7	8	15	
	Grand Total	339	256	1	66	339	166	173	339	Deep TW(27)nos prop JICA

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Sr	Township	No. of Villages to be implemented	System to be carried out						Priority			Remark
			Deep T.W	Pond	Dug Well	Stream	Grand Total	1 st	2 nd	Total		
1	Magway	16	16					16	4	12	16	Deep T.W.(2)nos. prop. JICA
2	Ye Nan Chaung	5	5					5	5		5	Deep T.W.(2) nos. prop.JICA
3	Chauk	46	46					46	25	21	46	Deep T.W.(30)nos. prop JICA
4	Myo Thit	17	17					17	6	11	17	Deep T.W.(11) nos prop.JICA
5	Nat Mauk	26	26					26	6	20	26	Deep T.W.(5) nos. prop. JICA
6	Taung Twin Gyi	42	42					42	5	37	42	
7	Min Bu	4	3	1				4	4		4	
8	Sa Lin	10	9	1				10	4	6	10	Deep T.W.(2) nos. prop. JICA
9	Pwint Phyu	3	2	1				3	2	1	3	
10	Se Tot Tara	9	5	4				9		9	9	
11	Nga Phe	6	5	1				6		6	6	
12	Tha Yet	5	5			1		5	2	3	5	
13	Aung Lan	25	19	4		2		25	4	21	25	
14	Kan Ma	7	3	4				7		7	7	
15	Min Tone	22		22				22	1	21	22	
16	Min Hla	10	1	8		1		10	1	9	10	
17	Sin Paung Wae	32	2	30				32	1	31	32	
18	Pa Kote Ku	4	4					4	4		4	
19	Yae Sa Gyo	2	2					2	2		2	
20	Myaing	7	4	3				7	1	6	7	
21	Pauk	7	3	4				7		7	7	
22	Seik Phyu	15	14	1				15		15	15	
23	Gant Gaw	8				8		8	1	7	8	
24	Hti Lin											
25	Saw											
26	Kyauk Htu	6		6				6		6	6	
Grand Total		334	233	89	12	334	78	256	334	256	334	Deep TW(52) prop JICA

Mandalay Division		No. of Villages to be implemented	Township	Priority						Remark
Sr	Deep T.W			Pond	Dug Well	Stream	Grand Total	1 st	2 nd	
1	7					7	7		7	Deep T.W.(13) nos. prop. JICA
2	24	1				28	17	11	28	
3	8			3		8	4	4	8	
4										
5	1					1	1		1	
6	32					32	17	15	32	
7	10					10	5	5	10	
8	7	1				8	5	3	8	
9	27					27	15	12	27	
10		1				1	1		1	
11	60					60	32	28	60	
12							10	22	32	
13	5			32		32	5		32	
14										
15										
16	57			1		58	31	27	58	
17	5	2				7	4	3	7	
18	1	3				4	4		4	
19	58					58	35	23	58	
20	20	4				24	10	14	24	
21	6			1		6	6		6	
22	6			18		25	10	15	25	
23	3					3	3		3	
Grand Total		404		37	404	222	182	404	404	Deep TW (31) prop JICA

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Annex-7 List of Target Villages

Summary of Direct Beneficiaries of the Project in Three Divisions

Sr.No	Division	Township	Village Tract / Village	Total		Remark
				Household	Population	
1	Sagaing	8	26 / 27	5403	28453	
2	Magway	6	36 / 52	7918	43939	
3	Mandalay	6	29 / 31	7187	38481	
Total		20	91 / 110	20508	110873	

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List of Project Villages in Sagaing Division

Sr. No	Township	Village Tract	Village	Total		Remark
				Household	Population	
1	Bu Ta Lin	1 Yehtwat	1 Yehtwat	250	835	800'
	(2) villages	2 Chindwin	2 Chindwin	250	1090	600'
	Total	2 Nos	2 Nos	500	1925	
2	Wet Let	1 Myindaw	1 Myindaw	250	936	500'
	(5) villages	2 Taiywa	2 Tamakan	80	450	500'
		3 Mingone	3 Sahmon	120	770	500'
		4 Minywa	4 Wetleywa	78	367	500'
		5 Yoneywa	5 Yonethar	265	1800	500'
	Total	5 Nos	5 Nos	793	4323	
3	Ayar Daw	1 Chinpin	1 Htainpinkar	300	1521	700'
	(2) villages	Chinpin	2 Thanbayargyin	473	1657	700'
	Total	1 Nos	2 Nos	773	3178	
4	Pele	1 Kandyouk	1 Kandouk	144	255	600'
	(4) villages	2 Ayechanthar	2 Ayechanthar	277	1180	600'
		3 Mintaipin	3 Mintaibin	354	1573	600'
		4 Wunbaechaink	4 Padaukgon	430	2990	600'
	Total	4 Nos	4 Nos	1205	5998	
5	Yin Mar Bin	1 Minzu	1 Phowintaung	111	704	600'
	(6) villages	2 Shwepankhaing	2 Tebingan	130	980	600'
		3 Lakapya	3 Indaw	174	1160	600'
		4 Myayeik	4 Myayeik	160	1023	600'
		5 Kapaing	5 Kapaing	480	3137	600'
		6 Sinzwel	6 Sinzwel (N)	123	748	600'
	Total	6 Nos	6 Nos	1178	7752	
6	Sa Lin Gyi	1 Paungkatar	1 Zedaw	66	326	800'
	(4) villages	2 Yonepinyoe	2 Pyawbwe	68	385	600'
		3 Myayzone	3 Naungpintar	142	860	600'
		4 Yaymain	4 Yaymain (N)	135	786	800'
	Total	4 Nos	4 Nos	411	2357	
7	Ka Ni	1 Thaminchan	1 Minma	217	1097	600'
	(2) villages	2 Taungpouk	2 Nyaungpinle	105	545	600'
	Total	2 Nos	2 Nos	322	1642	
8	Mon Ywa	1 KyeeOak	1 Neikbanwa	112	645	600'
	(2) villages	2 Kyaungkone	2 Bawga	109	633	600'
	Total	2 Nos	2 Nos	221	1278	
	Grand Total	26 Nos	27 Nos	5403	28453	

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List of Project Villages in Magway Division

Sr. No	Township	Village Tract	Village	Total		Remark			
				Household	Population				
1	Chauk (30) villages	1	Gwaycho	1	Sharpin	180	926	800'	
		2	Gwaypin	2	Suetut	80	694	1200'	
			Gwaypin	3	Thapaypin	170	990	1250'	
			Gwaypin	4	Gwaypin (Ywama)	70	587	1250'	
			3	Htainsun	5	Tonywar	70	283	800'
			4	Kyaungshartaw	6	Uyin (E)	74	488	900'
			5	Nayweltaw	7	Nayweltaw (W)	124	681	850'
			6	Nyaungzin	8	Myaynclain	51	200	900'
			7	Myay Son	9	Myayson (E)	110	605	900'
			8	Poakpakan	10	Thangon	55	308	900'
				Poakpakan	11	Hmatgyiphone	32	237	800'
			9	Byipin	12	Bombwe	63	317	750'
				Byipin	13	Molar	164	1091	650'
			10	Sardaung	14	Sardaung (W)	53	261	950'
			11	Segan	15	Thithla	67	385	950'
			12	Sweboukkan	16	Zeechopin	80	464	1250'
				Sweboukkan	17	Htansu Ywarma	57	329	1200'
				Sweboukkan	18	YayLar	136	850	1200'
			13	Taungthar	19	Taungthar (N)	139	698	800'
			14	Thlonetway	20	Thayetgone	80	270	800'
			15	Thanbo	21	Sanyoe	76	405	950'
				Thanbo	22	Kyauktai	110	584	900'
				Thanbo	23	Twinphyuyoe	101	523	950'
			16	Twinlat	24	Konegyi	174	1050	750'
				Twinlat	25	Kaphyu	155	924	800'
			17	Wathesan	26	Wathesan	57	290	1250'
				Wathesan	27	Thanbo	110	561	1200'
				Wathesan	28	Thayetpin	170	990	1350'
				Wathesan	29	Sanyayin	35	210	1200'
			18	Kywetut	30	Kywetut Ywama	204	999	900'
	Total	18 Nos	30 Nos	3047	17200				
2	Yanangyaung (2) villages	1	Naga	1	Ziphyugone	82	366	700'	
			Naga	2	Htanaunghla	75	379	700'	
		Total	1 Nos	2 Nos	157	745			

List of Project Villages in Magway Division

Sr. No	Township	Village Tract		Village		Total		Remark
						Household	Population	
3	Nat Mauk (5) villages	1	Waryonkone	1	Oakpho	138	606	700'
		2	Kyaukpon	2	Gwekan (S)	102	582	600'
			Kyaukpon	3	Kyaukpon	155	776	700'
		3	Thamonpin	4	Ywathit	46	264	900'
		4	Thetwin	5	Thetwin (S)	192	1034	800'
	Total	4 Nos		5 Nos	633	3262		
4	Myo Thit (11) villages	1	Chaukyar	1	Chauk Kyar	200	1142	500'
		2	Phalangyine	2	Dahatgon	132	1805	500'
		3	Wargyiaing	3	Wargyiaing	625	2993	500'
		4	Yonetaw	4	Yonedaw	378	2415	500'
		5	Magyigone	5	Magyigon	600	3119	600'
		6	Teepinsan	6	Warlonepho	209	920	550'
		7	Yaypyae	7	Natywar	160	1070	500'
		8	Yaypyae		Yaypyae			
		9	Bork	9	Bork	73	537	700'
		10	Laytaisin	10	Gwetaw	146	1598	500'
			Laytaisin	11	Laytaisin (N)	100	1220	500'
	Total	9 Nos		11 Nos	2623	16819		
5	Salin (2) villages	1	Thitkauktaung	1	Kaigyí	47	165	600'
		2	Shwezanthee	2	Chaungyetet (N)	69	490	700'
	Total	2 Nos		2 Nos	116	655		
6	Magway (2) villages	1	Kyitsonpway	1	Kyitsonpway	1025	3676	800'
		2	Nyaungbin	2	Nyaungbin	317	1582	700'
	Total	2 Nos		2 Nos	1342	5258		
	Grand Total	36 Nos		52 Nos	7918	43939		

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List of Project villages in Mandalay Division

Sr. No	Township	Village Tract	Village	Total		Remark	
				Household	Population		
1	Kyauk Padaung (13) Villages	1 Sebauk	1 Sebauk	246	1163	700'	
		2 Taungzin	2 Alelaywar	43	244	800'	
		3 Bemyar	3 Seyinsu	99	390	700'	
		4 Thagarma	4 Thagarma	97	526	800'	
		5 Theegone	5 Myoukgone	368	1947	1000'	
		6 Khin Mon	6 Phonthar Ywarthit	47	242	1000'	
		7 Tangakan	7 Tangakan (Ywarthit)	83	422	800'	
			8 Ywardenshay	195	929	850'	
			8 Sindaingkan	9 Kyansou	184	1030	800'
			9 Kyauksayitkan	10 Kyauksayitkan	353	1762	700'
			10 Gwetaukkone	11 Leyar (N)	230	1200	1000'
			11 Amyaungkan	12 Inbinsan	163	800	1000'
			12 Leyar (S)	13 Leyar (S)	205	1264	1000'
	Total	12 Nos	13 Nos	2313	11919		
2	Nyaung Oo (8) Villages	1 Kannigyi	1 Kannigyi	288	1562	1000'	
		2 Kantein	2 Kantein	270	1283	1000'	
		3 Yinsan	3 Yinsan	238	1277	1000'	
		4 Myaenegyi	4 Myaenegyi	155	882	1000'	
		5 Taungzin	5 Magyizauk	177	889	1000'	
		6 Kuywa	6 Taungkwin	109	554	800'	
		7 Chaunggwa	7 Ngalinpoak	186	819	700'	
		8 Kudaw	8 Kudaw	523	2725	1000'	
			Total	8 Nos	8 Nos	1946	9991
3	Pyaw Bwe (2) villages	1 Phaungtaw	1 Aukshitpin	86	450	500'	
			2 Phaungtaw	407	2450	500'	
		Total	1 Nos	2 Nos	493	2900	
4	Nwa Hto Gyi (3) villages	1 Pyinse	1 Pyinse	722	3699	700'	
		2 Khatlan	2 Khatlan	273	1907	700'	
		3 Zaydate	3 Tetse	235	1192	600'	
		Total	3 Nos	3 Nos	1230	6798	

List of Project villages in Mandalay Division

Sr. No	Township	Village Tract	Village	Total		Remark
				Household	Population	
5	Taung Tha	1 Theegone	1 Kyaukpau	239	1511	1000'
	(3) villages	2 Chaunggwa	2 Twinpyar (Zeepinkan Tawtike)	308	1958	1000'
		3 Pudauksarkone	3 Pudauksarkone	356	1784	500'
	Total	3 Nos	3 Nos	903	5253	
6	Yame Thin	1 Katin	1 Katin	252	1320	800'
	(2) villages	2 Paukaing	2 Sargyin (S)	50	300	800'
		Total	2 Nos	2 Nos	302	1620
	Grand Total	29 Nos	31 Nos	7187	38481	

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Annex-8 Allocation Plan of DDA Staffs

Staff Allocation Plan for Procured Drilling Rig No (1)

Name of staff	Present department	Experiences of drilling deep well (more than 300m depth)	Experiences trained by JICA's technical assistance project
U Tin Soe	AE (Magway Div.)		3 years experience
U Zaw Myo Lwin	SAE(Chauk)		3 years experience
U Ag Linn	SAE(Pwint Phyu)		3 years experience
U Naing Naing Win	SAE(Moe Hnyin)		3 years experience
U Mg Kyaw	Driller 1		3 years experience
U Than Ag	Driller 2		3 years experience
U Zin Ag Myo	Driller 2		3 years experience
U Zaw Htet	Driller 2		

Staff Allocation Plan for Procured Drilling Rig No (2)

Name of staff	Present department	Experiences of drilling deep well (more than 300m depth)	Experiences trained by JICA's technical assistance project
U Win Thein Oo	AE(HQ)		3 years experience
U Kyaw Soe Lwin	SAE(Sagaing)		3 years experience
U Zaw Nyunt Oo	Head of Driller (HQ)		
U Yan Lin Ag	JE(MonYwa)		3 years experience
U Tun Min Latt	Driller 1		3 years experience
U Than Tin	Driller 2		3 years experience
U Win Thaung	Driller 2		3 years experience
U Kyaw Thu YA	Driller 2		

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Annex-9 Utilization Plan of Procured Drilling Rig(s)

Sr. No	Articles	Nos.	Sagaing	Magway	Mandalay	HQ
1	Truck mounted well drilling rig, 500 m deep with 14-3/4" to 6-1/4" borehole diameter with accessories and tools	2 sets	-	1	1	-
2	Cargo truck (4 × 4 left hand drive), 6000 kg capacity with 4 ton crane	2 sets	-	1	1	-
3	Air compressor for air flush	1 set	-	1	-	-
4	Submersible motor pump for pumping test completed with piping and pump accessories	2 sets	-	1	1	-
5	Consumables for drilling work (Bentonite, CMC, Form agent)	1 lot	-	-	-	1
6	Casing and screen pipes for 110 tube wells	1 lot	-	-	-	1
7	Submersible pump with generators and accessories	110 sets	27	52	31	-