

Solar System water Pump Irrigation Projects (IWUMD)

1. Management Committee Meeting (2/2021) held by the Chairman of the State Administration Council (25-2-2021) (2/2021); The guide for Magway Region on 4-4-2021 said, "Pump irrigation projects need to be implemented effectively to ensure adequate irrigation water for agricultural activities near rivers, and so "If we can implement sustainable renewable energy used projects such as solar water pumping project, we will be able to reduce running cost in irrigation and benefit from it," he said. Ministry of Agriculture, Livestock and Irrigation dated Letter No. (8-3-2021) of the Office of the Union Minister and further guidance of the Union Minister. 1/220 (Reference-1) 9453/20210 / (Lasa) in the financial year 2020-2021, the total solar kW (2326) was carried out for the joint installation of solar system in the eight stages of pumping water of the following 7 water pumping projects in the 4 regions:

No	Region	Township	Irrigation	Installation			Acres
				Motor (kW)	Nos.	Solar (kW)	
1	Mandalay	Nyaung-U	Letpnchipaw	37	2	113	218
2		Nyaung-U	Ngathayoak	185	2	567	1565
3	Sagaing	Myinmu	Pyawtywar (PS II)	132	3	688	1679
4		Myinmu	Pyawtywar (PS III)	90	2	344	1321
5		Kanbalu	KT-92	30	2	114	257
6	Magway	Minbu	Kanni	132	1	213	757
7		Aunglan	Kanmalay	110	1	170	300
8	Bago	Thanatpin	khaungsu	22	4	117	300
Total				17	2326		6397

2. In the 2021-2022 financial year, Magway Region The status of completion of solar system installation in Sagaing Region is presented as follows:

No	Region	Township	Irrigation	Installation			Acres
				Motor (kW)	Nos.	Solar (kW)	
1	Magway	Hsinbaungwe	Nyantawinn	90	1	137.7	200
2	Sagaing	Sagaing	Tat Ywar	450	1	585	300

3	Sagaing	Sagaing	Sintat	160	2	416	400
4	Sagaing	Myinmu	Pyawtywar (PS I)	250	2	650	600
Total					6	1788.7	1500

3. In the financial year 2022-2023, Solar kW (389.5) in 20 wells in Sagaing Region and (5323)kW solar system co-installation in 17 (17) water works in each region (5) In the fiscal year 2022-2023, a total of (20) boreholes and water supply projects/activities (5712.5) kW solar system co-installation projects are being targeted and the list of boreholes and water supply projects/activities to be targeted is presented as follows:

No	Region	Township	Irrigation/ Tube Well No	Installation			Acres	
				Motor (kW)	Nos.	Solar (kW)		
1	1	Sagaing	Monywa	1/22	11	1	14	40
	2	Sagaing	Monywa	1/24	11	1	14	40
	3	Sagaing	Monywa	1/25	18.5	1	24	40
	4	Sagaing	Monywa	2/3	18.5	1	24	40
	5	Sagaing	Monywa	2/4	22	1	29	80
	6	Sagaing	Monywa	2/14	30	1	39	80
	7	Sagaing	Monywa	3/12	45	1	58	80
	8	Sagaing	Monywa	3/14	45	1	58	80
	9	Sagaing	Monywa	3/15	45	1	58	80
	10	Sagaing	Monywa	4/3	22	1	29	80
	11	Sagaing	Monywa	4/8	22	1	29	80
	12	Sagaing	Monywa	4/11	22	1	29	80
	13	Sagaing	Monywa	4/15	30	1	39	80
	14	Sagaing	Monywa	4/20	37	1	48	80
	15	Sagaing	Monywa	4/25	30	1	39	80
	16	Sagaing	Monywa	Z1	18.5	1	24	40
	17	Sagaing	Monywa	Z2	18.5	1	24	40
	18	Sagaing	Monywa	မြေ/သု ဌာန	2.2	1	3	1
	19	Sagaing	Chaung-U	4/26	30	1	39	80
	20	Sagaing	Chaung-U	4/29	18.5	1	24	40
2	21	Bago	Thanatpin	Min Ywa	22	4	132	385
	22	Bago	Thanatpin	Tarwa / Kan Myint	18.5	4	111	400
	23	Bago	Taungoo	Thaphanpin	22	3	99	250
	24	Bago	Taungoo	Paechatkone	22	2	66	193

	25	Bago	Pyay	Ngaythabyar	22	5	165	300
3	26	Magway	Magway	Myin Kone	55	2	165	125
	27	Magway	Magway	Kyarngonphoo(Tatkone)	37	2	111	200
	28	Magway	Kamma	Chauktaung	160	1	240	250
4	29	Mandalay	Myingyan	Semeikkon-2	55	5	357.5	1250
	30	Mandalay	Myingyan	Semeikkon-2Ext:	185	2	481	750
	31	Mandalay	Nyaung-U	Lawka Nandar	5.5	2	15	50
	32	Mandalay	Sin Kaing	Shwe Hlan Bo	75	3	292.5	338
	33	Mandalay	Myitthar	Meikhtila Plain (Minemaw)	11	2	45	125
5	34	Yangon	Hlegu	Latpan	185	2	481	750
	35	Yangon	Htantabin	Tha Pay Tan	160	1	208	500
	36	Yangon	Taikkyi	Aing Ka Laung	132	1	172	250
6	37	Ayeyarwady	Maubin	Min Baw	22	2	66	100
		Total				63	3852	7457

Benefits of Solar power pump irrigation projects

4. The use of solar systems in irrigation water can be used as a renewable energy source and there is no depletion of resources. no air pollution, supporting the preservation of the environment; lower electricity bills; reduced diesel fuel consumption as it can be used as an alternative to diesel engine water pumping, easy to install and use in areas where there is no electricity, so it can be used for summer / rainy irrigation, private solar irrigation systems can be moved from one place to another, resulting in ease of installation and low maintenance costs.