

## **GUIDELINES FOR IMPLEMENTATION OF SOLAR WATER PUMPING SCHEME DURING THE YEAR 2022-23**

### **WHAT IS SOLAR PUMP?**

The water pumping system which operates on solar energy is called solar pump. Solar pump is totally pollution-free as it uses sunlight to draw water. It requires very little maintenance as compared to the diesel pump sets. It comprises of solar photovoltaic modules/panels, motor pump set, inverter/controller, control switch, Interconnecting cables and GI structure/ frame etc. Solar pump works during the sunshine hours and is ideal for small and medium farmers.

### **ELIGIBILITY**

- a. Individual farmers will be supported to install standalone solar Agriculture pumps of capacity up to 10 HP for replacement of existing diesel Agriculture pumps / irrigation systems in off-grid areas, where grid supply is not available.
- b. Water User Associations, Gaushalas' and community/cluster based irrigation system will also be covered under this component. However, priority would be given to small and marginal farmers.

### **NOTIFIED AREAS OF THE CENTRAL GROUND WATER AUTHORITY**

- I. In the notified areas of the CGWA (list enclosed), farmers who are drawing water from farm ponds with micro irrigation techniques/Under Ground Pipe Lines shall only be considered.

AND/OR

- II. New Solar Agriculture pumps would not be covered under this component in Notified areas. However, existing standalone diesel pumps, can be converted into standalone solar pumps in these areas provided they use micro irrigation techniques to save water.

### **SUBSIDY PATTERN**

These off-grid solar water pumping systems shall only be provided to the farmers/Gaushala's/ Water User Associations and community/cluster based irrigation system with 75% subsidy (State+MNRE) as given under:

<b>Capacity</b>	<b>User Share*</b>	<b>MNRE Subsidy</b>	<b>State Subsidy</b>
3-7.5 HP Pumps	25% of the cost	30% of the cost	45% of the cost
10 HP Pumps	25% of the cost	30% of the cost of pumps upto 7.5 HP	Balance of the user share and MNRE subsidy

\*without Universal Solar Power Controller (USPC)

## MAJOR CONDITIONS FOR GETTING SOLAR PUMPS

- i. He/she have agricultural land in his/her name.
- ii. The applicant has no electric agricultural connection in his/her name.
- iii. The beneficiaries who have already covered under the solar pump scheme, is not eligible to get another solar water pumping systems irrespective of its capacity/location.
- iv. He/she have Parivar Pehchan Patra
- v. The applicant must have micro-irrigation (drip/sprinkler) and/or Under Ground Pipe Lines (UGPL) in his/her field.
- vi. The systems shall be provided on the basis of first come first serve basis (in accordance with the application submitted online).

## HOW TO APPLY

The farmers who wish to install solar water pumping systems shall have to apply online through <http://saralharyana.gov.in/> portal. Applicant must have to deposit the applicable user share while applying online through payment gateway or by way of challan (will be generated online).

No hard copy of the application shall be entertained by the Department/HAREDA.

## GUIDELINES

1. The applicants are advised to read the scheme guidelines, terms and conditions, technical specifications of solar pumps, FAQs etc. of the scheme (available online on [www.hareda.gov.in](http://www.hareda.gov.in) ) before submission of applications.
2. The applicants are also advised to read the technical specification of the different types of solar water pumping systems carefully before submission of application. These are available on the official website of the Department/HAREDA ([hareda.gov.in](http://hareda.gov.in)).
3. The farmers have to deposit 25% cost of the pump as user share while applying for the system online.
4. The tentative quantity, tentative cost and accordingly, the user share are as follows (these may vary as per the availability of budget, price discovered etc.):

### Water Filled Pumps with normal Solar Pump Controller:

Sr. No.	Pump Capacity	Type	L1 Rate for Haryana	GST @ 13.8%	Total Cost	Farmers Share @ 25% of the cost	MNRE Share @ 30% of the cost	State Share
1	3 HP DC	Surface	1,58,435	21,864	1,80,299	45,075	54,090	81,134
2	3 HP DC	Submersible	1,64,000	22,632	1,86,632	46,658	55,990	83,984
3	3 HP AC	Submersible	1,59,500	22,011	1,81,511	45,378	54,453	81,680

4	5 HP DC	Surface	2,27,000	31,326	2,58,326	64,581	77,498	1,16,247
5	5 HP DC	Submersible	2,27,500	31,395	2,58,895	64,724	77,668	1,16,503
6	5 HP AC	Submersible	2,27,000	31,326	2,58,326	64,581	77,498	1,16,247
7	7.5 HP DC	Surface	3,23,000	44,574	3,67,574	91,894	1,10,272	1,65,408
8	7.5 HP DC	Submersible	3,23,400	44,629	3,68,029	92,007	1,10,409	1,65,613
9	7.5 HP AC	Submersible	3,25,000	44,850	3,69,850	92,462	1,10,955	1,66,433
10	10 HP DC	Surface	4,06,000	56,028	4,62,028	1,15,507	1,10,272	2,36,249
11	10 HP DC	Submersible	3,99,000	55,062	4,54,062	1,13,515	1,10,409	2,30,138
12	10 HP AC	Submersible	3,99,000	55,062	4,54,062	1,13,515	1,10,955	2,29,592

**Water filled pumps with Universal Solar Pump Controller:-**

Sr. No.	Pump Capacity	Type	L1 Rate for Haryana	GST @ 13.8%	Total Cost	Farmers Share	MNRE Share @ 30% of the cost	State Share
1	3 HP DC	Surface	1,79,600	24,785	2,04,385	66,477	56,774	81,134
2	3 HP DC	Submersible	1,84,000	25,392	2,09,392	68,634	56,774	83,984
3	3 HP AC	Submersible	1,79,500	24,771	2,04,271	65,817	56,774	81,680
4	5 HP DC	Surface	2,47,000	34,086	2,81,086	84,740	80,099	1,16,247
5	5 HP DC	Submersible	2,49,000	34,362	2,83,362	86,760	80,099	1,16,503
6	5 HP AC	Submersible	2,47,000	34,086	2,81,086	84,740	80,099	1,16,247
7	7.5 HP DC	Surface	3,55,300	49,031	4,04,331	1,27,600	1,11,323	1,65,408
8	7.5 HP DC	Submersible	3,65,000	50,370	4,15,370	1,38,433	1,11,323	1,65,614
9	7.5 HP AC	Submersible	3,56,000	49,128	4,05,128	1,27,372	1,11,323	1,66,433
10	10 HP DC	Surface	4,55,000	62,790	5,17,790	1,70,218	1,11,323	2,36,249
11	10 HP DC	Submersible	4,55,000	62,790	5,17,790	1,76,329	1,11,323	2,30,138
12	10 HP AC	Submersible	4,55,000	62,790	5,17,790	1,76,875	1,11,323	2,29,592

- Under the scheme, 75% subsidy shall be provided i.e.CFA @30% of the benchmark cost or the tender cost whichever is lower and the State Govt. shall give subsidy of 45% and the remaining 25% shall be provided by the farmer. MNRE shall provide subsidy for Pumps of capacity higher than 7.5 HP however the CFA will be limited to the CFA applicable for pump of 7.5 HP. Further, MNRE subsidy is available for with USPC pumps on benchmark cost without USPC. USPC can be used for running any standard voltage (400/415 V) three phase agricultural appliances like atta chakki, chaff cutter, deep freezers etc of capacity not more than the capacity solar pump. Further, State share is also kept same for corresponding solar pump without USPC. The farmer has to bear rest cost. In case any firms fails to install USPC due to non-testing of USPC in time, pump will be installed with normal controller and additional amount deposited for USPC will be refunded without interest.
- A farmer shall be eligible to apply for only one solar pump. Therefore, they should only apply for the required capacity pump set and mention the capacity & type (AC or DC) in the application form.

7. The Water User Associations and community/cluster based irrigation system may be provided more than one pump as per the scheme guidelines. For solar pumps to be set up and used by Water user associations/ Farmer producers organizations/ Primary agriculture credit societies or for cluster based irrigation system the CFA will be allowed for solar pump higher than 10 HP considering up to 5 HP capacity for each individual in the group.
8. The farmers/Gaushala's/ Water User Associations and community/cluster based irrigation system shall have to provide required size bore well complete with lowering and south facing shadow free land to the firm for installation of solar pump.
9. If the farmers/Gaushala's/Water User Associations and community/cluster based irrigation system fails to provide the bore well and shadow free land at the time of site survey, then his/her application shall be cancelled and they will not have any claim on Solar Pump.
10. Allotment of solar pumps shall be subject to the availability of funds from the Government. The applicant cannot make any claim for allotment of solar pumps if required funds are not available/ scheme is withdrawn / cancelled by the Government or the application is rejected by Department/HAREDA.
11. Department/HAREDA has the right to reject any application which shall not be fulfilling the eligibility requirements in general including technical requirements i.e. non providing of bore well of required size & shadow free land in time, depth of water beyond specified limit and dispute of land, if any etc.
12. If the successful applicant seeks refund after issuance of work order of solar pump, then 5.0% of the amount deposited by the applicant shall be forfeited. This condition shall not be applicable in case of cancellation of the system is done by the Department/HAREDA.
13. If at any time after allocation and before installation of the pump the information provided by the applicant is found wrong then the Department/HAREDA may reject the application and forfeit 10% payment deposited for installation of solar pump.
14. If at any time after installation of pump, it comes to notice of the Department/HAREDA that the applicant had provided any wrong information for installation of pump, then the applicant shall be liable to payback the full subsidy amount to Department/HAREDA.
15. Department/HAREDA/firm shall not be responsible for non-functioning/mal-functioning of the system arising out of misuse and alterations/modifications/relocation, if any, made in the solar pumping system by the farmer.
16. Department/HAREDA reserves the right to withdraw/amend/annul the implementation process/guidelines of the scheme at any time in view of the change in the Government Policy or any other reason what so ever in the interest of Department/HAREDA /Govt./Public without incurring any liability.
17. These solar pumps shall be got installed by the Department/HAREDA from the empanelled firms, who shall take approx. 3month's time from the date of issue of

work order. In force majeure conditions or unavoidable circumstances, the installation of pumps may take more time than the specified time.

18. In case of delay in supply, installation and commissioning/non-installation of solar pumps due to any reasons, the Department shall not be liable to pay any interest or demurrage etc.
19. In case of any cancellation and reallocation of already allotted pump(s) due to any reasons, the Additional Deputy Commissioner-cum- Chief Project Officer of the District shall resolve such issues at their own level from the seniority list in a transparent manner under intimation to this Directorate.
20. Effective participation of Gram Panchayats in the implementation/promotion of the systems may be ensured by giving due publicity.
21. The survey of the land of the farmer shall be carried out by District Officers / Company representative for verification of the information provided by the farmer in the application through mobile app. If any information provided by the farmer is found false/wrong then the application shall be rejected and action shall be initiated as per applicable clause of this document.
22. Before placing the work order, the district office in consultation with the empanelled firm shall ensure that the site of installation of solar water pumping system is feasible for installation of solar water pumping system. Also, the eligibility of the beneficiary shall be ascertained.
23. In case an applicant wish to get his application cancelled or application is rejected, scheme is discontinued etc., the refund to the applicant(s) shall be made by the Department in accordance with the scheme guidelines and the Department shall not pay any interest or demurrage etc.
24. Beneficiary shall not shift/sell or transfer his/her solar pump to any other person. In case, any misuse/transfer/shifting of tubewell is found, he/she shall have to refund the subsidy amount (MNRE and State) to the Department and the Department may take other legal action also.
25. In case it is found that the beneficiary has installed solar water pumping system on subsidy earlier, he/she has to reimburse the subsidy amount (MNRE and State) to the Department.
26. Any dispute arising out of implementation of the scheme shall be subject to the jurisdiction of the Courts at Panchkula.

### **Application Process:**

1. The applicant have to apply online on saralharyana.gov.in portal giving details of address, location of land, land details, irrigation details, pump details etc.
2. While applying online, the applicant can chose any capacity of pump and empanelled firm, out of the eligible firms.
3. If an applicant chooses a general bidder then he/she must have to choose a MSME bidder as a second option, so that in case the targets of general category are completed, the order can be placed with MSME firms.
4. The applicant has to deposit the applicable user share.
5. After receipt of application online, the selected empanelled firm shall conduct the survey of the given site through mobile application in 15-20 days.
6. During site survey, the applicant have to provide the accurate details required for installation of solar pumps. The applicant have to give an undertaking in this regard and the same shall be uploaded on the mobile app by the empanelled firm.
7. Applicants are advised to check the details entered in the mobile app, as these details are critical for proper selection of pump size.
8. If the application and details of site survey are found as per requirements under the scheme, then work orders for the given applicant will be issued to the empanelled firms by the Department.
9. In case the site is not found feasible or the applicant is found to be not fulfilling the requirements, his/her application will be rejected and user share deposited shall be refunded without any interest.
10. Generally work orders will be issued by the Department after compiling the capacity wise/firm wise list of different applicants at an interval of 15-20 days.
11. The firm shall supply the material after pre-dispatch inspection of the material by the Department.
12. After issue of work orders, the empanelled firms shall supply, install and commission the system within 90 days or as per decision of the Department of New & Renewable Energy.
13. The applicant have to sign the material receipt, handing over certificate, Joint Commissioning Report (on complete installation and commissioning)

### LIST OF NOTIFIED AREAS OF CGWA IN HARYANA

<b>SR. NO.</b>	<b>STATE</b>	<b>LOCATION</b>	<b>Date of Notification</b>
1	Haryana	Municipal Corporation of Faridabad & Ballabhgarh	14.10.1998
2	Haryana	Shahbad Block of Kurukshetra District	2.12.2006
3	Haryana	Nangal Chowdhary Block of Mahendragarh District	2.12.2006
4	Haryana	Narnaul Block of Mahendragarh District	2.12.2006
5	Haryana	Samalkha Block of Panipat District	2.12.2006
6	Haryana	Karnal Block of Karnal District	2.12.2006
7	Haryana	Khol Block of Rewari District	2.12.2006
8	Haryana	Entire Gurgaon District	13.08.2011
9	Haryana	Badra block of Bhiwani District	13.08.2011
10	Haryana	Ladwa block of Kurukshetra District	13.08.2011
11	Haryana	Pehowa block of Kurukshetra District	13.08.2011
12	Haryana	Rania block of Sirsa District	13.08.2011
13	Haryana	Tohana block of Fatehabad District	13.08.2011
14	Haryana	Gulha block of Kaithal District	13.08.2011
15	Haryana	Bapoli block of Panipat District	13.08.2011
16	Haryana	Rajaund block of Kaithal District	27.11.2012
17	Haryana	Ellenabad block of Sirsa District	27.11.2012

Beside these, any other area notified by CGWA in Haryana from time to time.

**Document/information to be kept ready while applying online:**

1. Pariwar Pehchan Patra No.
2. Copy of Agriculture Land Record
3. Declaration form-cum-supplier selection form
4. Any other document required by the Department



## DECLARATION-cum-Supplier Selection Form

मैं..... (नाम) .....(सौर पम्प क्षमता) .....  
टाईप (ए.सी./डी.सी.) ..... सबटाईप (सरफेस/सबमर्सीबल) .....  
कन्ट्रोलर ( नॉर्मल/यूनिवर्सल ) का सोलर पम्प .....(कम्पनी का नाम) का स्थापित  
करवाना चाहता/चाहती हूँ।

प्रमाणित किया जाता है कि –

1. मेरी भूमि पर बिजली पंप का कोई कनेक्शन नहीं है।
2. मैंने पूर्व में विभाग की योजना के तहत सोलर पंप स्थापित नहीं किया है।
3. कैपेसिटी अनुसार पैनलबद्ध कम्पनीयों व उपभोक्ता देय राशि की सूचना विभाग की वेबसाईट [www.hareda.gov.in](http://www.hareda.gov.in) पर उपलब्ध है आप किसी भी कम्पनी का चयन कर सकते हैं परन्तु टैंडर की शर्तों के अनुसार L1 कम्पनी को 10 प्रतिशत एवं MSE को 25 प्रतिशत कार्य देना अनिवार्य है। तो आपकी चयनित कम्पनी बदली जा सकती है।
4. कन्ट्रोलर पम्प को सोलर पावर से चलाने का काम करता है। दो प्रकार के कन्ट्रोलर के साथ सोलर पम्प दिए जा रहे हैं। Normal Controller केवल पम्प को चलाता है और Universal Solar Power Controller (USPC) जब पम्प नहीं चल रहा हो तब बाकि कृषि उपकरणों (3-Phase) को चला सकता है। परन्तु USPC Controller पर कोई सबसीडी नहीं है और इसके लगाने में जो अतिरिक्त राशि लगती है वो किसान को देनी होगी। किसान आवेदन में Controller का चयन करें।
5. मैं सोलर पंप किसी को नहीं बेचूंगा/बेचूंगी और न ही विभाग की अनुमति के बिना सोलर पंप स्थापित जगह से उखाड़ूंगा/ उखाड़ूंगी। अगर मैं ऐसा करता/करती हूँ तो विभाग पूरी अनुदान राशि मुझसे वापिस लेने और उचित कार्यवाही करने का हकदार होगा।
6. मैं सुक्ष्म सिंचाई प्रणाली / भूमिगत पाइपलाईन अपने खेत में सोलर पंप लगाने से पहले स्थापित करूंगा/ करूंगी (यदि अभी तक नहीं लगाया है तो) अगर मैं ऐसा नहीं करता/करती हूँ तो विभाग पूरी अनुदान राशि मुझसे वापिस लेने और उचित कार्यवाही करने का हकदार होगा।
7. मैंने इस योजना के दिशा – निर्देश व तकनीकी जानकारी पढ़ व समझ ली है।
8. मेरे द्वारा दी गई सूचना अगर गलत पाई जाती है तो विभाग अनुदान राशि वापिस लेने का हकदार होगा।

हस्ताक्षर .....

आवेदक का नाम.....

पता .....

दिनांक .....

मोबाइल .....

नोट:–

1. यदि कोई किसान के फर्जी हस्ताक्षर करता है तो उसके खिलाफ सख्त कार्यवाही की जाएगी।
2. यदि सी.एस.सी. केन्द्र/ सरल केन्द्र/ कम्प्यूटर सेंटर फार्म भरते समय इस फार्म में भरी जानकारी के अलावा किसी अन्य कम्पनी का ओनलाईन फार्म में चयन करता है करता है तो उसके खिलाफ सख्त कार्यवाही होगी।
3. यदि किसान को कोई जानकारी लेनी है तो अपने जिले के परियोजना अधिकारी से सम्पर्क करे।
4. कम्पनीयो की क्षमतानुसार सूची व योजना के दिशा निर्देश व तकनीकी जानकारी विभाग की वेबसाईट [www.hareda.gov.in](http://www.hareda.gov.in) पर उपलब्ध है।