

Government of India  
Ministry of New & Renewable Energy  
UNDP/GEF Project on Solar Water Heating (GSWHP)

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**Continuation of Incentive Scheme for Channel Partners to prepare DPRs  
for large size Solar Water Heating Systems till 30<sup>th</sup> June 2012**

In order to promote large size Solar Water Heating Systems in hotels, hospitals, institutions and industries for the purpose of achieving a target of 1 million sq. m. of collector area during 2011-12 and 1.5 million sq. m. during 2012-13, it has been decided that the Channel Partners of MNRE, who are the actual implementers of Solar Water Heating Systems in field, will be provided an incentive of Rs.25,000/- for preparation of each DPR on project capacity of 25,000 LPD and above.

The DPRs will be prepared as per the prescribed format enclosed and will be made available on MNRE website for the benefit of potential customers in industrial, commercial and institutional sectors.

Interested Channel Partners may inform PMU, GSWHP at following address about expected number of DPRs to be prepared by them in advance as per format given below. Rs.15,000/- per DPR will be released on submission of the DPRs with complete details provided as given in the format (not exceeding 8-10 pages) and balance Rs.10,000/- after getting orders from respective establishments for installation of the systems.

Dr. A.K. Singhal  
Director In-charge & National Project Manager,  
UNDP/GEF Global Solar Water Heating Project  
Ministry of New & Renewable Energy  
Block No.14, CGO Complex, Lodhi Road,  
New Delhi-110003  
Telefax: 011-24362488  
E-mail: singhalak@nic.in.

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**Proposal for preparation of DPRs  
in industrial, commercial and institutional sectors**

1.	Name, address, e-mail, mobile no. etc.			
2.	Expected DPRs to be prepared			
	Sr. No.	Name of establishment*	Approximate capacity of SWHs*	Expected date of submission of DPR
	i.			
	ii.			

\* Reasons will be provided in case of any change while submitting the DPRs

Date:

**(Name & Signature of Channel Partner  
with Office Seal)**

**DPR for installation of Solar Water Heating System at \_\_\_\_\_**

Sr. No.	Item	Details	
1.	Name, address, email and phone no. of Channel Partner submitting the DPR		
2.	Name & Place of Establishment, with photograph		Photograph
3.	Capacity of Solar Water Heating System proposed to be installed		
4.	Name of beneficiary with address, phone, mobile, fax, e-mail and photograph		Photograph
5.	Details of Establishment (such as Hotel, Hospital, Institution with no. of rooms, beds and building structure indicating single storey/double storey etc.		
6.	Existing arrangement for hot water requirement		
	i. Type of equipment used (boiler / geyser)		

	ii. Amount of hot water required per day a) for industries, could be averaged for year b) for hotels/hostels/institutions( provide summer and winter demand) The calculations of hot water demand to be enclosed	
	iii. Details of hot water requirement for different applications	
	iv. Details of the set-up made for hot water requirement (block diagram to be enclosed)	
	v. Piping arrangement for hot water supply	
	vi. Type of fuel being used	
	vii. Fuel consumption per year	
	viii. Cost of fuel & amount spent on fuel per year	
	ix. Status on fuel availability and arrangements for its storage	
	x. Quality of water available	
	xi. Details of softening plant installed, if any	
7.	Climatic and site conditions (to be given separately for winter and summer)	
	i. Ambient temperature (day and night)	
	ii. Wind velocity	
	iii. Solar radiation/insolation	
	iv. Latitude of the place	
	v. Shadow free area available on terrace/ ground for solar water heating system (Enclose photograph and/or mark the area on the plan of the site)	
8.	Details of solar water heating system proposed to be installed	
	i. Type and capacity of Solar Water Heating System	
	ii. Details of system designing with block diagram (whether forced circulation/ thermo siphon/with heat exchanger or not / pressurized/non-pressurized)	
	iii. Integration with existing boiler/geysers	
	iv. Anticipated total weight of system	

	including accessories, piping etc.	
	v. Whether load-bearing analysis done, if being installed on terrace (details to be provided)	
	vi. Total cost and component-wise cost details of system to be installed	
	vii. Equity component of beneficiary (letter of commitment to be enclosed)	
	viii. Subsidy sought from MNRE (as per Scheme provision)	
	ix. Means of balance financing (name of Bank and commitment to be enclosed)	
	x. Name of manufacturer identified for installation of system	
	xi. Expected date of commissioning of system	
	xii. Procedure and expected time of availing MNRE subsidy	
	xiii. Expected fuel savings per year	
	xiv. Cost benefit analysis and pay-back period from system to be installed	
9.	Any other details to be highlighted by the channel partner	

Date:

**(Name & Signature of Channel Partner  
with Office Seal)**