

**APPEAL SMALL HYDROPOWER PLANT
OWNERS**
(GOVERNMENT AS WELL AS PRIVATE)

Requested to send the details of their plants as per proforma for establishing an inventory of existing small hydropower stations as per Government of India, Ministry of Non-conventional Energy Sources sanction.

Head,
Alternate Hydro Energy Centre,
Indian Institute of Technology Roorkee,
(formerly University of Roorkee)
Roorkee - 247 667, Uttaranchal, India

Phone : Off.(+91 1332) 274254, 285213

Fax : (+91 1332) 273517, 273560

E-mail : ahec@iitr.ernet.in, ahec@vsnl.com; aheciitr@gmail.com
website : www.ahec.org.in, www.iitr.ernet.in/centers/AHEC/index.htm

**PROFORMA FOR COLLECTING DETAILS ON THE SHP STATION IN THE
COUNTRY UNDER MNES SPONSORED ASSIGNMENT**

GENERAL: -

1.	Station Name	
2.	Location Longitude and Latitude <i>(Use GPS and Altimeter if not available)</i> Altitude	_____N_____E _____m above msl
3.	Access (How to reach, by bus, car, train, walking etc) Write details as observed	Road_____km Track _____km From nearest town capital
4.	Station Contact Including station in charge, with designation)	Address (postal): Telephone: Numbers: E-mail:
	Including officer in charge with designation	Address (postal): Telephone: Numbers: E-mail:
5.	Station Owner	Address (postal): Telephone: Numbers: E-mail:
6.	Project Purposes:	
	Grid Connected	Commercial/ Captive/ for villages
	Stand Alone	For Villages/ Captive
	Any Other	
7.	Operating Staff	
	No. of Person & Designation	
	Employment of Casual Labor if any (no. of person & days in a year)	
8.	Was the Area Electrified before the Project	Yes/No

	Electricity Availability After the Project	Totally Changed/Marginally Changed/No Change			
9.	Impact of the small hydropower station <ul style="list-style-type: none"> Local Employment (at station) 				
	<ul style="list-style-type: none"> Social upliftment 	-Addition of Industry -Increase in production of existing industry -Any other			
10.	General Remarks				
	<u>TECHNICAL</u>				
11.	Station commissioned in the year (unit wise if different)				
12.	Yearly Energy Generation	Year			
		Lac unit			
		2000-01			
		2001-02			
		2002-03			
		2003-04			
		2004-05			
		2005-06			
13.	Name of stream and discharge availability	Name of Stream:			
		Discharge (in cumecs):			
		Month	Available Discharge as per DPR	Discharge available in stream presently	Discharge diverted to Power Channel
		Jan			
		Feb			
		Mar			
		Apr			
		May			
		June			
		July			
		Aug			
		Sep			
		Oct			
		Nov			
Dec					
		Remarks:			
14.	Catchment area at the diversion (in sq.km)				
15.	Type of Project	Run of River (ROR)/Canal Based(CB)/Dam Based(DB)			
16.	Type of diversion				

	Run off river	Trench /Bush Boulder/Stone Masonry
	Canal based	Regulator/With Cross Regulator
	Dam toe based	Penstock Inlet/Siphon/Canal/Any Other
17.	Length of the Power channel	
18.	Penstock (length, diameter and material)	
19.	Design discharge (Total) m ³ /s	
20.	Head Gross(m) Net(m)	
21.	Installed capacity no. of unit x capacity (kW)	
22.	Type of turbine Make	Kaplan/Francis/Pelton/Turgo/Tubular/Semi Kaplan/Cross Flow/Other
23.	Type of generator Generating Voltage Make	Synchronous/induction
24.	Coupling	Direct/Speed increaser
25.	Governor Make	Mechanical/Electronic/Electromechanical/Digital
26.	Power Evacuation Level	11/33/66/132 kV
	Connecting Sub Station Details: <ul style="list-style-type: none"> • Capacity • Location • Longitude and Latitude, • Distance from the Power House in km 	
27.	Drawings	General layout of project, Plan / section of power house
28.	Photographs	
29.	<u>Operating Status</u> Functioning Operating	a) All Units b) Only _____Unit At Designed Capacity/At Derated Capacity

	Major Outage: For How Much time, with brief reasons	Units for: - a) All b) One c) ____ Units					
	Since Commissioning Derated Capacity if Any	a) All Units b) Only ____ Unit					
	Since Commissioning Long Closure if Any	a) All Units b) Only ____ Units					
30.	Any Other						
	<u>FINANCIAL</u>						
31.	Expenditure Incurred (Rs. lacs)	Type	2001- 2002	2002- 2003	2003- 2004	2004- 2005	2005- 2006
		On O&M					
		On Salary					
32.	Last major repair/ renovation carried out (Rs. lacs)	(a) Year (b) Type (c) Expenditure Incurred					
33.	Cost of The Project (at the time of commissioning) (Rs. lacs)	a) Civil Works b) E+M Works c) T+D Works d) Others					

Data collected by

signature with date