

- Name of the Department : **Electricity**
1. Scheme No. : **NRSE - 2**
2. Name of the Scheme : **Harnessing of Wind Energy**
3. Outlay for 9th FYP (1997-2002) : **18.75 Lakhs**
4. Proposed Outlay for Annual Plan 2001-2002 : **2.50 Lakhs**
5. **OBJECTIVES AND JUSTIFICATIONS:-**

The scheme envisages installation of wind masts for studying the potential of wind during various seasons in different locations of Andaman & Nicobar Islands for installation of wind battery chargers, wind pumps and wind generators.

The data collected for the installation of Wind Power Project and National Wind Resources Assessment Programme being undertaken by the MNES in co-ordination with Wind Energy Technology (C-WET). The Keating Point at Car Nicobar selected with Annual Wind Power density measured at 20/25 meter height vide MNES letter No. 51/9/98-WE/PG dated 15.02.2000. The IITM, Bangalore has conducting the wind monitoring as per the instruction of MNES at various locations in Southern group of Islands such as Hut Bay, Car Nicobar, Teressa, Kamorta and Nancowry and these five wind masts will be reinstalled in the above locations for assessing the wind potential.

It is proposed to install four additional wind monitoring masts in Great Nicobar Island. It is also proposed to install few wind pumps and battery chargers at suitable locations in these Islands for harnessing the available wind energy as R & D study as experimental basis.

It is also proposed to install few grid connected wind electric generators at suitable locations in these islands for power generation on experiment basis to assess its economics with reference to the high cost power generation by diesel sets at isolated areas.

6. Physical & Financial Progress in Annual Tribal Sub-Plan-98, 1998-99, 99-2000 and Annual Tribal Sub-Plan Outlay for 2000-2001.

II. Financial

	Annual TSP 1997-98	Annual TSP 1998-99	Annual TSP 1999-2000	Annual TSP Outlay 2000-2001
I Outlay	1.25	2.625	2.375	8.00
II Expenditure	1.2075	2.5625	2.25	8.00

B. Revenue

	1997-98	1998-99	1999-2000	2000-2001
Salary	0.375	0.875	1.00	1.25
Others	0.875	1.75	1.375	1.25
Sub-total	1.250	2.625	2.375	2.50

C. Capital

	1997-98	1998-99	1999-2000	2000-2001
Building	-	-	-	-
Others	-	-	-	-
Sub-total	-	-	-	-

II. Physical

1997-98

Target	Achievement
Installation of 5 Nos. Wind Masts and collection & Analysis of Wind data.	Wind masts installed and Data collected up to 12/97.
Purchase of 3 Nos. Wind Monitoring Masts, 1 No. Wind Pump, 1 No. Wind Battery Charger & Measuring Instruments.	2 Nos. Wind Pump received at this Office , purchase action under process for other items.

1998-99

Target	Achievement
Installation of 1 No. Wind Masts and collection & Analysis of Wind data.	Collection of Wind Data and its analysis under process by M/s IITM, Bangalore.
Purchase of 1 No. Wind Generator, 2 Nos. Wind Pump, 1 No. Wind Battery Charger & Measuring Instruments.	Installation of 2 Nos. wind pumps under progress and purchase action under process for other items.