

17. OTHER INFORMATION:

I. Surveys & Investigation:

(a) 79 potential locations (142.80MW) have been identified in the scheduled areas covering 10 districts. (The list of 79 locations is annexed). The project outlay will be Rs.710.00 crores

(b) A.P TRIPCO propose to take up setting of Mini Hydro Power Projects in all 79 locations so far identified in the scheduled areas of A.P., during the period of 12th five year plan at a project outlay of Rs.710.00 crs.

Year wise plan:

Year	No.of MHPPs	Survey & Investigation	DSI & DPRs	Grounding the scheme
2005-06	10	Completed	Completed	4
2006-07	11	- Completed 11 - Proposed to undertake survey & investigation of 10 new potential sites)	11	6
2007-08	20	- Completed - Proposed to undertake survey & investigation of 10 new potential sites)	20	10
2008-09	20	- Completed - Proposed to undertake survey & investigation of 10 new potential sites)	20	10
2009-10	18		18	10
Total	79			

II DPRs/PFRs submitted to MNRE, GOI

(a) DPRs

Rs.in
lakhs

Sl. No.	Location	ITDA	Dist	Estimated installed Capacity (MW)	Project Cost	MNES Capital Subsidy	Loan Component
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Sl. No.	Location	ITDA	Dist	Estimated installed Capacity (MW)	Project Cost	MNES Capital Subsidy	Loan Component
1.	Metlapalem	R.C.Varam	East Godavari	1.20	600.00	310.00	290.00
2.	Pinjarikonda	R.C.Varam	-do-	1.20	600.00	310.00	290.00
3.	Vetamamidi	R.C.Varam	-do-	1.20	600.00	310.00	290.00
4.	LSHES 2.35 km d/s*	Bhadrachalam	Khammam	1.10	616.49	350.00	266.49
5.	LSHES 5.5 km d/s	Bhadrachalam	-do-	3.00	1372.47	400.00	972.47
6.	Devaramadugu	R.C.Varam	East Godavari	1.20	594.00	310.00	284.00
7.	Kuntala water falls*	Utnoor	Adilabad	1.20	624.00	310.00	314.00
8.	Cheedipalem	Paderu	Visakhapatnam	1.10	617.90	350.00	267.90
9.	Darakonda water falls*	Paderu	-do-	1.20	644.00	320.00	324.00
10.	Valsampet	Paderu	-do-	1.01	634.00	310.00	324.00
Sub Total				13.41	6902.86	3280.00	3622.86
11.	Ravigudem	R.C.Varam	East Godavari	1.20	639.00	310.00	329.00
12.	Dhanyampalem	R.C.Varam	East Godavari	1.20	652.00	310.00	342.00
13.	Thimmapuram	R.C.Varam	East Godavari	1.00	639.00	310.00	329.00
Sub Total				3.40	1930.00	930.00	1000.00
Grand Total				16.81	8832.86	4210.00	4622.86

* Falls in reserve forest area, hence forest clearance sought.

(b) PFRs

(Rs.in lakhs)

Sl.No	Location	ITDA	District	Estimated installed capacity (MW)	Project cost	MNES capital subsidy	Loan component
1.	Godugurai	R.C.Varam	East Godavari	1.20	628.00	310.00	318.00
2.	Tunikalapadu	R.C.Varam	East Godavari	1.20	638.60	310.00	328.60
3.	Pinikalapadu	R.C.Varam	East Godavari	1.20	620.58	310.00	310.58
4.	Kutravada	R.C.Varam	East Godavari	1.00	607.40	300.00	307.40
5.	Madduluru	R.C.Varam	East Godavari	1.20	628.00	310.00	318.00
6.	Duggeru	Parvathipuram	Vizianagaram	1.20	644.78	313.00	331.78
7.	Aluguru	Parvathipuram	Vizianagaram	1.20	659.20	320.00	339.20
8.	Munnekerri	Parvathipuram	Vizianagaram	1.20	664.35	322.50	341.85

The projects would be executed through specialized agencies on Turnkey basis under EPC route to be selected through competitive bidding process. Completion of the projects is estimated to take 12 - 16 months period.

Sanctions accorded by the GOI, MNES for 4 projects (6.60 MW) Metlapalem, Pinjarikonda, and Vetamamidi in East Godavari district and Lower Siler to 5.5 km d/s in Khammam district as per details given below:

(Rs. in lakhs)

Sl.No	Location	ITDA	Estimated installed capacity (MW)	Project cost	MNES subsidy	Loan component	GOI Sanction Prcgs.No.
1	Vetamamidi	R.C.Varam	1.20	600.00	310.00	290.00	6/180/2004-SHP, dt.17-12-04
2	Pinjarikonda	R.C.Varam	1.20	600.00	310.00	290.00	6/179/2004-SHP, dt.20-12-04
3	Metlapalem	R.C.Varam	1.20	600.00	310.00	290.00	6/178/2004-SHP, dt.20-12-04
4	5.5 LSHES	Bhadrachalam	3.00	1372.47	400.00	972.47	6/182/2004-SHP, dt.17-12-04
Total			6.60	3172.47	1330.00	1842.47	

MNRE released Rs.232.50 lakhs towards 25% capital subsidy for 3 MHPPs (Sl.No.1 to 3) for which EPC contract was awarded.

Sanctions for another 6 projects (6.80 MW) under process at GOI level are expected clearance shortly. Machinery and equipment are of highest quality, confirming to ISI standards, from the reputed manufacturers.

III. LOAN FUNDS TIE UP:

The following Financial Institutions communicated sanction of loan:

Sl. No	Name of the Bank/Fl	Loan amount sanctioned (Rs.in lakhs)	Rate of interest
1.	NABARD (for 7 projects)	2537.00	6.50%
2	Indian Overseas Bank (for 10 projects)	3000.00	7.75%

* increased from 7.25% to 7.75%.

Global Expression of interest was called for competent and financial sound agencies to take up the construction of the above 4 sanctioned projects on turnkey basis through EPC route. In response 12 firms have filed EOI. The Technical Evaluation

Committee shortlisted eligible 8 agencies. Out of 8 agencies four agencies purchased bid documents. 4 projects were allotted to 3 eligible agencies. Work orders for 3 projects viz. Metlapalem, Vetamamidi and Pinjarikonda were issued and EPC Agreement entered with the 3 agencies on 21-11-05. Project sites were handed over to contractors on 04-12-05 by the Project Officer, ITDA, Rampachodavaram, and these 3 projects were grounded and work is in progress.

Regarding 4th MHPP i.e. 5.5 km d/s Lower Sileru the L1 bid was cancelled due to revision in cost estimates and proposed to be re-notified along with the other 3 MHPPs.

These 3 projects planned for commercial commissioning by October 2007.

IV. TRIPARTITE MOU BETWEEN P.O. ITDA, PROJECT COMMITTEE & TRIPCO:

In the presence of Hon'ble Chief Minister of Andhra Pradesh, the tripartite MoU among P.O. ITDA, R.C.Varam, Project Committees concerned and AP TRIPCO, and Agreement with the NEDCAP by the concerned project committees were executed on 05-12-06.

V. POWER PURCHASE AGREEMENT WITH DISCOMS (PPA):

C&MD, EPDCL has offered a rate of Rs.2.49 ps or the rate being fixed by the committee constituted by the Government or the rate of APPCC, whichever is higher. The PPA for the 3 locations (Vetamamidi, Pinjarikonda & Mitlapalem) has to entered by the respective project committee on behalf of the Gramasabhas of beneficiary villages.

The draft PPA along with the tripartite MOUs and agreements entered with NEDCAP as schedules were sent to APEPDCL vide Lr No: APTRIPCO/TEC-M/24/APERC&PPA/06-07 Dt:12-12-2006. APEPDCL vide Lr No: CGM/C,R&Plg/EPDCL/VSP/GM/PPAs&Plg/F-N24/D.No.12/07 dt: 02-01-2007 have modified the definition of "Delivered Energy" in the PPA and requested APTRIPCO to alter the definition accordingly for signing the modified PPA on 08-01-2007. As the revised definition of "Delivered Energy" takes into account higher distribution losses,

which is highly disadvantageous to APTRIPCO, APEPDCL was requested vide Lr.No:APTRIPCO/TEC-M/24/ APERC&PPA/ 06-07 Dt: 06-01-2007 to limit the distribution losses to actuals, by adopting suitable method. Director(Projects)/APEPDCL vide Lr.No. CGM/C,R&Plg/EPDCL/ VSP/GM/PPAs&Plg/F-N24/D.No.156/07 dt: 31-01-2007 informed that APEPDCL have conceded the request of APTRIPCO to adopt any procedure to allocate total losses among three MHPPs based on Meter readings taken at designated substation and respective MHPPs. Hence, APEPDCL requested TRIPCO to incorporate the definition of delivered energy clause accordingly and necessary action for signing PPA may be taken from TRIPCO.

VI. NODAL AGENCY STATUS TO AP TRIPCO:

In pursuance of the 17th BOD resolution held on 24-07-06 a proposal was submitted to Energy Dept. to endorse the status of AP TRIPCO as nodal agency for establishment of MHPPs in the scheduled areas in lieu of NEDCAP as this would obviate substantial duplication, delays and entire savings for TRIPCO.

VII. OTHER SOURCES OF ENERGY

Solar Electrification:

Taken up solar electrification of hilltop villages in Pusalapalem and Thammingula villages of Paderu (M), Visakhapatnam district through NIRD.

Project cost		- Rs.29.00 lakhs.	
No.of households to be covered		Targeted	Completed
Pusalapalem	-	40	30
Thammingula	-	<u>88</u>	<u>61</u>
		<u>128</u>	<u>91</u>

LED-Home lighting system (Solar Energy) in chenchu (PTG) villages near Srisailam:

256 households have been electrified during first phase of electrification based on LED home lighting system by CEC and 236 household are electrified during second phase installation. It is found during inspections of first phase, that most of the solar lighting systems provided are not functioning.

CEC was requested to improve the performance of the scheme. CEC requested Tripco to visit the second stage installations where they have carried out certain improvements, for evaluating the performance and suggest any further improvements. Accordingly, TRIPCO Engineers have visited second phase installation and submitted the detailed report. CEC has agreed to replace all the defective installations of the first phase, wherever required.