

**STATUS OF SURVEY & INVESTIGATION OF HE SCHEMES
(PART I)**

NAME OF SCHEME **Umiam Umtrew Stage-V** **ROR/Storage** **(30 MW)**

GENERAL INFORMATION

- | | | | |
|----|-------------------------------|--|---|
| 1. | State | Meghalaya | |
| 2 | Location - Ri. Bhoi | | Dam – Concrete gravity type Height |
| a) | Latitude of Dam/Power House | 25° 30 ' 30 '' N to 25° 54' 30'' N | |
| b) | Longitude of Dam /Power House | 91° -43' – 40'' E to 91°- 48' – 20'' E | |

General layout /Index map may please be furnished

- | | | |
|-----|---|---|
| 3 | District | <i>Ri Bhoi</i> |
| 4 | Nearest G&D site | <i>Damsite</i> |
| 5 | Catchment Area near G&D site | <i>151 Sq.Km</i> |
| 6 | Status of availability of G&D site | |
| 7 | Basin/River | <i>Umiam,Umtrew</i> |
| 8 | Catchment Area (Sq.km) | <i>151 Sq.Km</i> |
| 9 | Type of Scheme (ROR/Storage/PSS) | <i>ROR</i> |
| 10. | Firm Power (MwC) | <i>169.50 MW</i> |
| 11 | Annual Energy Benefits (GWh) | <i>164.25 MU</i> |
| 12 | Inter State Aspects | <i>None</i> |
| 13 | International Aspects | <i>-do-</i> |
| 14 | Defense aspects | <i>-do-</i> |
| 15 | R&R Aspects | <i>-do-</i> |
| 16 | Forests area involved | <i>Marginal (Reservoir area in the riverine channel falls under wildlife sanctuary)</i> |
| 17 | Geological problems anticipated, if any | <i>No</i> |
| 18 | Accessibility-Nearest Rail head/Road and distance from the project. | <i>Guwahati – 30 Km</i> |
| 19 | Upstream scheme, if any | <i>Stage I,II,III & IV</i> |
| 20 | Downstream scheme, if any. | <i>New Umtru</i> |

II PROJECT FEATURES

- | | | |
|------------|-------------------------------|-----------------------------|
| 21 | Type of Diversion Structure | <i>Concrete gravity Dam</i> |
| | a) Height (m) | <i>37.00 m</i> |
| | b) FRL (m) | <i>335.50m</i> |
| | c) MDDL (m) | <i>329.8m</i> |
| | e) Live /Storage (Mcum) | |
| 22. | Water conductor system | |
| | a) Type | <i>- Horse shoe tunnel</i> |
| | b) Length | <i>- 2250m</i> |
| | c) Diameter | <i>- 3.20 m</i> |

23. Power House

- a)Type - *Overground*
- b)No. of units - *2 units*
- c)Head (m) - *95.50 M*

24 Tail Race Water conductor System

- a) Type - *Open channel*
- b)Length (m)
- c) Size
- d) TWL(m) - *240.00m*

Please give brief details about the HE Scheme and enclose a layout map.

(Signature)

Name
Designation
Telephone No.
Fax No.

**STATUS OF SURVEY & INVESTIGATION OF HE SCHEMES
(PART- II)**

NAME OF SCHEME(MW) Umiam Umtrew Stage-V HEP (30MW)

SURVEY & INVESTIGATION

1. Date of commencement of S&I 2000-2001
2. Likely date of completion of S& I 2005-2006 (Target to be revised)
3. Likely date of completion of DPR To be taken up
4. Estimated cost of S&I/DPR and Phasing of Expenditure Rs. 309.62 Lakhs
5. Agency of Investigation (in case of Pvt.Agency, Name ,Designation, Complete . address, telephone no. & Fax No. is to be indicated). Meghalaya State Electricity Board.
- 6 Details of Progress @

Quantity Done	Quantity to be done

- | | |
|---|---|
| a) Tracer Path & Approaches | 50% completed |
| b) Roads | - |
| c) Construction of Temp.Building | Completed |
| d) Purchase of Special T &P | |
| e) Topographic Survey/Investigation | To be taken up |
| f) Const.Material (Survey/Testing) | Not yet taken up |
| g) Hydrological observations | Data collected upto 2003 |
| h) Meteorological | In progress |
| i) Environmental Surveys | Not yet taken up |
| j) Programme of works during the year | - |
| k) Overall progress of works | Suspended due to lack of forest clearance |
| l) Geological and foundation Investigations | Preliminary |

@ In case it is not possible to give tentative quantity it should be given as percentage Financial Progress.

7. Estimated cost of Survey & Investigation with price level year Rs. 309.62 Lakhs
- 8 Expenditure incurred upto Dec 2009, Rs. 45.416 lakhs
- 9 Expenditure incurred upto March 2010 Rs. 45.416 lakhs
Rs. 45.416 Lakhs
- 10 Budget Estimate
- 11 Revised Estimate yyy-yyy -
12. Budget Estimate yyy-yyy

BOTTLENECKS, IF ANY

**Deep gorges with very steep terrain
Funds**

(Signature)

Name

Telephone No.....Code No

Fax.No.....Code No.....

Designation.