

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

**NAME OF SCHEME**    Selim HE Project /Storage, 2x85 (MW)

**GENERAL INFORMATION**

1. State Meghalaya
2. Location - Umsalang Dam – Concrete gravity Type,  
Height 77 metres Power House.....Surface
- a) Latitude of Dam 25° 21' 41 " N,
- b) Longitude of Dam 90° 11 ' 30 " E,

General layout /Index map may please be furnished

- 3 District *Meghalaya*
- 4 Nearest G&D site *Near the dam site.*
- 5 Catchment Area near G&D site *174 Sq.Km*
- 6 Status of availability of G&D site *Approachable through footpath*
- 7 Basin/River *Myntdu*
- 8 Catchment Area (Sq.km) *174 Sq.Km*
- 9 Type of Scheme (ROR/Storage/PSS) *Storage Scheme*
- 10 Firm Power (MWc) *29.30 MW*
- 11 Annual Energy Benefits (GWh) *i) 534.68 Gwh in 90% dependable year*  
*ii) 522.03Gwh in 90% year on 95% available year*
- 12 Inter State Aspects *Within the state itself*
- 13 International Aspects *NIL*
- 14 Defense aspects *No defense installations*
- 15 R&R Aspects *Does not arise*
- 16 Forests area involved *To be taken up*
- 17 Geological problems anticipated, if any *Sub-surface investigation is to be carried out.*
- 18 Accessibility-Nearest Rail head/Road and distance from the project. *Rail head 193 Km*  
*Road - 15 Km*
- 19 Upstream scheme, if any - *Nil*
- 20 Downstream scheme, if any. - *Nil*

**II PROJECT FEATURES**

- 21 **Type of Diversion Structure/Tunnel**
  - a) Number - *1 no*
  - b) Size - *4.50 m Φ*
  - c) Length - *500 m*
  - d) Diversion discharge - *53.3 cumecs*
  - e) FRL - *1210 metres*
  - f) MDDL - *1191 metres*
  - g) Live storage- *99.47 cum*

**22. Dam**

- a) Type - *Concrete gravity*
- b) Height of dam - *77 metres*
- c) Top elevation of dam- *1213 m.*
- d) Deepest foundation level – *1136m*
- e) Length of dam at top-*405m*
- f) Deepest river bed level at dam site- *1140m*

**23 Water conductor system**

- a) Type - *D - Shape*
- b) Length - *4.40 Km*
- c) Diameter - *3.50 m  $\Phi$*

**24. Power House**

- a) Type - *Surface*
- b) No. of units- *2 units*
- c) Head (m) – *433.67 m*

**25. Tail Race Water conductor System**

- a) Type - *Open channel*
- b) Length (m)- *100 m*
- c) Size - *12.50 m width X 1.5m FSD*
- d) TWL(m)- *748 m*

Please give brief details about the HE Scheme and enclose a layout map.  
*Paucity of fund and Man power.*

(Signature)

Name  
Designation  
Telephone No.  
Fax No.

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

**NAME OF SCHEME** Selim HE Project      2 x 85 (MW)

**SURVEY & INVESTIGATION**

1. Date of commencement of S&I      *2006-2007*
2. Likely date of completion of S& I      *2010-2011*
3. Likely date of completion of DPR      *To be taken up (2011-2012)*
4. Estimated cost of S&I/DPR and Phasing of Expenditure      *Rs. 500.00 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      *Trace path completed*
  - b) Roads      *Roads to be taken up*
  - c) Construction of Temp.Building      *Under construction*
  - d) Purchase of Special T &P      *Not yet taken up*
  - e) Topographic Survey/Investigation      *In progress*
  - f) Const.Material (Survey/Testing)      *To be taken up*
  - g) Hydrological observations      *Datas collection since April 2006*
  - h) Meteorological      *Datas collection since April 2006*
  - i) Environmental Surveys      *To be taken up*
  - j) Programme of works during the year yyyyyy-yy
  - k) Overall progress of works
  - l) Geological and foundation Investigations      *To be taken up*
- @ 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. 485.00 Lakhs*
- 8 Expenditure incurred upto Dec 2010      *Rs. 182.00 lakhs*
- 9 Expenditure incurred upto March 2011      *Rs. 195.97 lakh*
10. Budget Estimate
- 11 Revised Estimate yyy-yyy      -
12. Budget Estimate yyy-yyy      -

**BOTTLENECKS, IF ANY**

*Paucity of fund and lack of Man power*

(Signature)

Name

Telephone No.....Code No

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

Designation.