

**STATUS OF SURVEY & INVESTIGATION OF HE SCHEMES****PART-I****NAME OF SCHEME Umngi Storage Stage-I ROR/STORAGE, 54 (MW)****GENERAL INFORMATION**

- 1 State Meghalaya  
 2 Location East Khasi Hills District Concrete Gravity, Height: 74m Power House..Surface/UG Dam  
 a). Latitude of Dam/ Power House : 25°24' 10 N  
 b). Longitude of Dam/Power House : 91° 35' 49" E

**GENERAL LAYOUT/INDEX MAP MAY PLEASE BE FURNISHED**

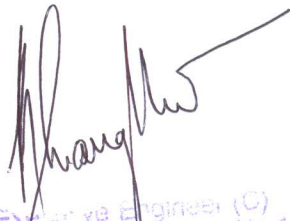
- 3 District : East Khasi Hills, Meghalaya  
 4 Nearest G&D Site : Dam Site  
 5 Catchment Area near G&D Site :79.00 Sq.Km  
 6 Status of availability of G&D Site  
 7 Basin/River : Umngi  
 8 Catchment Area (Sq.Km) : 79.00 Sq.Km.  
 9 Type of Scheme (ROR/Storage/PSS) : Storage  
 10 Firm Power (MWc) : 10.124 MU  
 11 Annual Energy Benefits (GWh)  
 12 Inter State Aspects : Does not arise  
 13 International Aspects : Do  
 14 Defence aspects : Do  
 15 R&R Aspects : Cultivable lands under the reservior area.  
 16 Forest area involved : Marginal  
 17 Geological problems anticipated, if any : No  
 18 Accessibility-Nearest Rail head/Road and distance from the project : Guwahati (103 KM from Shillong)  
 19 Upstreams Schemes, if any : No  
 20 Downstream Scheme, if any : Umngi Stage-II,III,IV & V.

**PROJECTS FEATURES**

- 21 Type of Diversion Structure : Concrete Gravity Dam.  
 a) Height(m) : 74.00 m  
 b) FRL (m) : 1547.00  
 c) MDDL (m) : 1526.00  
 d) Live Storage (Mcum) : 59.51 Mcum.  
 22 Water Conductor System  
 a) Type : D-Shaped - R.C.C lined  
 b) Length : 5.36 Km  
 c) Diameter : 2.80m  
 23 Power House  
 a) Type : Underground  
 b) No. of units : 2  
 c) Head (m) : 304.75m  
 24 Tail Race Water Conductor System  
 a) Type : D- Shaped  
 b) Length(m) : 1030.00m  
 c) Size : 3.00 m  
 d) TWL (m) : 1219.00 m (max M), 1217.50 m (min)

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

**Name:****Designation:****Telephone No:****Fax No:****(Signature)**

  
 Executive Engineer (C)  
 Investigation Division No.1  
 JalePGCL, Umiam

**STATUS OF SURVEY & INVESTIGATION OF HE SCHEMES**

**Part -II**

**NAME OF SCHEME  
SURVEY & INVESTIGATION**

**Quarter Ending: Dec 2016  
Umngi Storage Stage-I, HEP (54MW)**

- |    |   |   |
|----|---|---|
| 1  | Date of Commencement of S&I   | : 2005-2006   |
| 2  | Likely date of completion of S&I  | : 2017  |
| 3  | Likely date of completion of DPR  | : 2018  |
| 4  | Estimated cost of S&I/DPR and Phasing of Expenditure  | : 499.02 Lakhs  |
| 5  | Agency of Investigation ( in case of Pvt.Agency, Name, Designation, complete address, telephone No. & Fax No.is to be indicated)                      | :Executive Engineer<br>: Investigation Div-1<br>: Me.ECL, Umiam   |
| 6  | Details of Physical Progress @  |   |
|    |   | Quantity Done / Quantity to be done   |
| a) | Tracer Path & Approaches  | : 86% completed / Nil   |
| b) | Roads   | : Yet to be taken up  |
| c) | Construction of Temp. Building  | : 91 % Completed / Nil  |
| d) | Purchase of Special T&P   |   |
| e) | Topographic Survey/Investigation  | : 95% Completed /80% (New proposal).  |
| f) | Const.. Material (Survey/Testing)   | : Yet to be taken up  |
| g) | Hydrological observation/   | : In progress   |
| h) | Meteorological  | : In progress   |
| i) | Environmental Surveys   | : Yet to be taken up  |
| j) | Programme of works during the year  | : Topographical Survey Sub-surface investigation & Hydrometeorological data collection,const. material.       |
| k) | Overall progress of works   | : 77 % Completed/30% (new proposal).  |
| l) | Geological and foundation investigation @ in case it is not possible to give tentative quantity , it should be given as percentage Financial progress | : 62 % Completed/30% (new proposal).  |
| 7  | Estimate cost of Survey & Investigation with price level year   | : 499.02 Lakhs  |
| 8  | Expenditure incurred upto Sept 2016   | :165.711 lakhs  |
| 9  | Expenditure incurred upto Dec 2016  | 166.941 lakhs (including TDS)<br>the amount indicated for this quarter ending Dec 2016 only works is included |
| 10 | Budget Estimate yyyy-yy   |   |
| 11 | Revised Estimate yyyy-yy  |   |
| 12 | Budget Estimate yyyy-yy   |   |

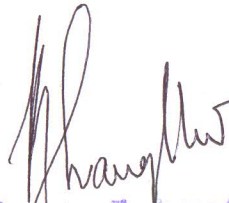
**(Signature)**

**Name**

**Designation**

**Telephone No. ....Code No.....**

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

  
**Executive Engineer (C)**  
**Investigation Division No. 1**  
**MePGCL, Umiam**