

# STATUS OF SURVEY & INVESTIGATION OF HE SCHEMES

## PART-I

NAME OF SCHEME UMNIGOT HEP ROR/STORAGE, 210 (MW)

### GENERAL INFORMATION

- |     |                              |                  |     |                                      |
|-----|------------------------------|------------------|-----|--------------------------------------|
| 1   | State                        | Meghalaya        |     |                                      |
| 2   | Location                     | East Khasi Hills | Dam | Type Height Power House...Surface/UG |
| a). | Latitude of Dam/ Power House |                  |     | : 25° - 21' - 38"                    |
| b). | Longitude of Dam/Power House |                  |     | : 92° -6' -45"                       |

### MAP MAY PLEASE BE FURNISHED

- |    |   |  |  |                                    |
|----|---|--|--|------------------------------------|
| 3  | District                                |  |  | : East Khasi Hills                 |
| 4  | Nearest G&D Site                        |  |  | : Dam Site                         |
| 5  | Catchment Area near G&D Site            |  |  | : 304.00Sq/Km                      |
| 6  | Status of availability of G&D Site      |  |  | :                                  |
| 7  | Basin/River                             |  |  | : Umngot                           |
| 8  | Catchment Area (Sq. Km)                 |  |  | : 304.00Sq. Km                     |
| 9  | Type of Scheme (ROR/Storage/PSS)        |  |  | : Storage                          |
| 10 | Firm Power (MWc)                        |  |  | : 34.05MW                          |
| 11 | Annual Energy Benefits (GWh)            |  |  | : 856.35 MKwh                      |
| 12 | Inter State Aspects                     |  |  | : Does not arise                   |
| 13 | International Aspects                   |  |  | : under process                    |
| 14 | Defence aspects                         |  |  | : under process                    |
| 15 | R&R Aspects                             |  |  | : Marginal cultivable lands        |
| 16 | Forest area involved                    |  |  | : Marginal                         |
| 17 | Geological problems anticipated, if any |  |  | : No                               |
| 18 | Accessibility-Nearest Rail head/Road    |  |  | : Guwahati (103Km from Shillong).  |
| 19 | Upstreams Schemes, if any               |  |  | : NIL                              |
| 20 | Downstream Scheme, if any               |  |  | : Umngot Stage-II H.E.P( Proposed) |

### CTS FEATURES

- |    |                                  |  |  |                       |
|----|----------------------------------|--|--|-----------------------|
| 21 | Type of Diversion Structure      |  |  | : Concrete            |
| a) | Height(m)                        |  |  | : 111.00m             |
| b) | FRL (m)                          |  |  | : 1040.00m            |
| c) | MDDL (m)                         |  |  | : 1010.6m             |
| d) | Live Storage (Mcum)              |  |  | : 41.34 Mcum          |
| 22 | Water Conductor System           |  |  |                       |
| a) | Type                             |  |  | : Modified horse shoe |
| b) | Length                           |  |  | : 5588.00m            |
| c) | Diameter                         |  |  | : 3.60m               |
| 23 | Power House                      |  |  |                       |
| a) | Type                             |  |  | : Surface             |
| b) | No. of units                     |  |  | : 3                   |
| c) | Head (m)                         |  |  | : 808.60m             |
| 24 | Tail Race Water Conductor System |  |  |                       |
| a) | Type                             |  |  |                       |
| b) | Length(m)                        |  |  |                       |
| c) | Size                             |  |  |                       |
| d) | TWL (m)                          |  |  | 210.00m               |

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

**Name:**

**Designation:**

**Telephone No:**

**Fax No:**

**(Signature)**

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

**PART-II**

**Quarter Ending: June 2017**

**NAME OF SCHEME**

**UMNGOT HEP**

**210 (MW)**

- |    |  |  |   |
|----|--|--|---|
| 1  | Date of Commencement of S&I  | : 2001-2002  |   |
| 2  | Date of completion of S&I  | :Completed (S&I additional work has been suggested by CWC,CEA, New Delhi and likely to be completed by 2018)   |   |
| 3  | Likely date of completion of DPR   | : 2010 completed   |   |
| 4  | Estimated cost of S&I/DPR and Phasing of Expenditure   | : 430.78 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.E.C.L, Umiam   |   |
| 6  | Details of Physical Progress @   |  | Quantity Done    Quantity to be done  |
| a) | Tracer Path & Approaches   | : Completed  |   |
| b) | Roads  | : Nil  |   |
| c) | Construction of Temp. Building   | : Completed  |   |
| d) | Purchase of Special T&P  | : Completed  |   |
| e) | Topographic Survey/Investigation   | : Completed  |   |
| f) | Const.. Material (Survey/Testing)  | :First test report received, another test to be carried out  |   |
| g) | Hydrological observation/  | : In progress  |   |
| h) | Meteorological   | : In progress  |   |
| i) | Environmental Surveys  | : In progress  |   |
| j) | Programme of works during the year   | : DPR submitted  |   |
| k) | Overall progress of works  | 92% (additional S&I work is suggested by CWC, CEA, New Delhi after examination the submitted DPR.  |   |
| l) | Geological and foundation investigation @  | : Sub-surface exploration in progres for additional items in case it is not possible to give tentative as recommended by GSI (DPR cell Delhi). quantity , it should be given as percentage Further sub- surface investigation will be taken up on Financial progress recommendation by the DPR panel |   |
| 7  | Estimate cost of Survey & Investigation with price level year  | : 430.78 Lakhs (2005 Price Level)  |   |
| 8  | Expenditure incurred upto Mar 2017   | :708.697                    Lakhs  |   |
| 9  | Expenditure incurred upto June 2017  | :719.467                    lakhs (including TDS)  |   |
|    |  |  | the amount indicated for this quarter ending June 2017 only works is included |
| 10 | Budget Estimate yyyy-yy  |  |   |
| 11 | Revised Estimate yyyy-yy   |  |   |
| 12 | Budget Estimate yyyy-yy  |  |   |

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

**(Signature)**

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**Name**

**Designation**



