

**STATUS OF SURVEY & INVESTIGATION OF HE SCHEMES  
PART-I**

**NAME OF SCHEME** **UMNGOT HEP** **STORAGE, 210 (MW)**

**GENERAL INFORMATION**

- |     |                  |                    |             |                    |
|-----|------------------|--------------------|-------------|--------------------|
| 1   | State            | : Meghalaya        | Dam Type    | : Concrete Gravity |
| 2   | Location         | : East Khasi Hills | Height      | : 111 m            |
| a). | Latitude of Dam  | : 25°- 21'-38"     | Power House | : Surface          |
| b). | Longitude of Dam | : 92°- 6' -45"     |             |                    |

**GENERAL LAYOUT/INDEX 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      | : In progress                     |
| 7  | Basin/River                             | : Umngot                          |
| 8  | Catchment Area (Sq.Km)                  | : 304.00Sq.Km                     |
| 9  | Type of Scheme (ROR/Storage/PSS)        | : Storage                         |
| 10 | Firm Power (MWc)                        | : 27 MW (Tentative)               |
| 11 | Annual Energy Benefits (GWh)            | : 717.29 Kwh (Tentative)          |
| 12 | Inter State Aspects                     | : Does not arise                  |
| 13 | International Aspects                   | : Under Process                   |
| 14 | Defence aspects                         | : Will take after DPR clearance   |
| 15 | R&R Aspects                             | : Does not arise                  |
| 16 | Forest area involved                    | : Marginal                        |
| 17 | Geological problems anticipated, if any | : Will taken into account         |
| 18 | Accessibility-Nearest Rail head/Road    | : Guwahati (103Km from Shillong). |
| 19 | Upstreams Schemes, if any               | : NIL                             |
| 20 | Downstream Scheme, if any               | : NIL                             |

**PROJECTS FEATURES**

- |    |                                  |                         |
|----|----------------------------------|-------------------------|
| 21 | Type of Diversion Structure      | : Concrete              |
| a) | Height(m)                        | : 111.00m               |
| b) | FRL (m)                          | : 1040.00m              |
| c) | MDDL (m)                         | : 1010 m                |
| d) | Live Storage (Mcum)              | : 48.90 Mcum            |
| 22 | Water Conductor System           |                         |
| a) | Type                             | : Modified Horse Shoe   |
| b) | Length                           | : 5646.00m              |
| c) | Diameter                         | : 3.40m                 |
| 23 | Power House                      |                         |
| a) | Type                             | : Surface               |
| b) | No. of units                     | : 3                     |
| c) | Head (m)                         | : 808.60 m (Gross Head) |
| 24 | Tail Race Water Conductor System |                         |
| a) | Type                             | D-Shaped                |
| b) | Length(m)                        | 41.00 m                 |
| c) | Size                             | 3.78 m (Dia)            |
| d) | TWL (m)                          | : 231.40 m              |

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: December, 2021  
210 (MW)**

**NAME OF SCHEME**

**UMNGOT HEP**

- |    |                                                                                                                                    |                                                                                                                                                                                      |
|----|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Date of Commencement of S&I                                                                                                        | :2001-2002                                                                                                                                                                           |
| 2  | Likely date of completion of S&I                                                                                                   | :Completed.                                                                                                                                                                          |
|    | Likely date of completion of DPR                                                                                                   | : DPR submitted but was returned and all partial clearance issued till date are rescinded by CEA, New Delhi. Now Hydrology chapter is awaited for approval by Hydrology Directorate. |
| 3  |                                                                                                                                    |                                                                                                                                                                                      |
| 4  | Estimated cost of S&I/DPR and Phasing of Expenditure                                                                               | : 430.78 lakhs; Revised Estimate: 835.00 Lakhs                                                                                                                                       |
| 5  | Agency of Investigation ( in case of Pvt.Agency, Name, Designation, complete address, telephone No. & Fax No.is to be indicated)   | : Executive Engineer, Investigation Div-1, Me.PGCL, Umiam                                                                                                                            |
| 6  | Details of Physical Progress                                                                                                       |                                                                                                                                                                                      |
|    |                                                                                                                                    | Quantity Done                      Quantity to be done                                                                                                                               |
| a) | Tracer Path & Approaches                                                                                                           | : Completed                                                                                                                                                                          |
| b) | Roads                                                                                                                              | : To be taken up                                                                                                                                                                     |
| c) | Construction of Temp. Building                                                                                                     | : Completed                                                                                                                                                                          |
| d) | Purchase of Special T&P                                                                                                            | : Completed                                                                                                                                                                          |
| e) | Topographic Survey/Investigation                                                                                                   | : Completed                                                                                                                                                                          |
| f) | Const.. Material (Survey/Testing)                                                                                                  | : Completed                                                                                                                                                                          |
| g) | Hydrological observation/                                                                                                          | : In progress                                                                                                                                                                        |
| h) | Meteorological                                                                                                                     | : In progress                                                                                                                                                                        |
| i) | Environmental Surveys                                                                                                              | : In progress                                                                                                                                                                        |
| j) | Programme of works during the year                                                                                                 | :To submit other chapter after approval of Hydrology chapter by CWC, New Delhi.                                                                                                      |
| k) | Overall progress of works                                                                                                          | 99.82%                                                                                                                                                                               |
| l) | Geological and foundation investigation & in case it is not possible to give tentative quantity , it should be given as percentage | : Sub-surface exploration for a very small additional items as recommended by GSI (DPR cell Delhi) will be taken up during pre-construction. (98 % completed)                        |
|    | Financial progress                                                                                                                 |                                                                                                                                                                                      |
| 7  | Estimate cost of Survey & Investigation with price level year                                                                      | : 835.00 Lakhs                                                                                                                                                                       |
| 8  | Budget Estimate yyyy-yy                                                                                                            |                                                                                                                                                                                      |
| 9  | Revused Estimate yyyy-yy                                                                                                           |                                                                                                                                                                                      |
| 10 | Budget Estimate yyyy-yy                                                                                                            |                                                                                                                                                                                      |

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

**(Signature)**

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

**Name**

**Designation**