

STATUS OF SURVEY & INVESTIGATION OF HE SCHEMES

PART-I

NAME OF SCHEME
GENERAL INFORMATION

UMNGOT HEP

STORAGE, 210 (MW)

- | | | | | |
|-----|------------------|--------------------|-------------|--------------------|
| 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 | : Modified Horse Shoe |
| a) | Type | : 5646.00m |
| b) | Length | : 3.40m |
| c) | Diameter | |
| 23 | Power House | : Surface |
| a) | Type | : 3 |
| b) | No. of units | : 808.60 m (Gross Head) |
| c) | Head (m) | |
| 24 | Tail Race Water Conductor System | : D-Shaped |
| a) | Type | : 41.00 m |
| b) | Length(m) | : 3.78 m (Dia) |
| c) | Size | : 231.40 m |
| d) | TWL (m) | |


Name:

Designation:

Telephone No:

Fax No:

(Signature)


Executive Engineer (E)
Investigation Division
Me. PGCL Umiam



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

Quarter Ending: December 2024
210 (MW)

NAME OF SCHEME

UMNGOT HEP


- | | | | |
|----|--|---|---------------------|
| 1 | Date of Commencement of S&I | :2001-2002 | |
| 2 | Likely date of completion of S&I | March.,2025 | |
| | Likely date of completion of DPR | : DPR submitted but was returned and all partial clearance issued till date are rescinded by CEA, New Delhi. Hydrology Chapter was submitted and approved by CWC, New Delhi. Power Potential study is in progress | |
| 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, telepone 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 chapters for approval. | |
| k) | Overall progress of works | : 99.83% | |
| 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) | |
| 7 | Estimate cost of Survey & Investigation with price level year | : 835.00 Lakhs | |
| 8 | Budget Estimate yyyy-yy | | |
| 9 | Revised Estimate yyyy-yy | | |
| 10 | Budget Estimate yyyy-yy | | |

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

(Signature)

Name

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 Executive Engineer (C)
 Investigation Division
 Me PGCL, Umiam

