

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

STORAGE, 62 (MW)

NAME OF SCHEME	Revised Umngi Storage (2x31MW)		
GENERAL INFORMATION			
1 State	: Meghalaya	Dam Type	: Concrete Gravity
2 Location	: East Khasi Hills District	Height	: 45.00 m
a). Latitude of Dam	25° 23' 15N	Power House	: Surface
b). Longitude of Dam	91° 32' 46" E		

GENERAL LAYOUT/INDEX MAP MAY PLEASE BE FURNISHED


3 District	: East & West Khasi Hills, Meghalaya
4 Nearest G&D Site	: Dam Site
5 Catchment Area near G&D Site	: 191.00 Sq.Km
6 Status of availability of G&D Site	: In progress
7 Basin/River	: Umngi
8 Catchment Area (Sq.Km)	: 191.00 Sq.Km
9 Type of Scheme (ROR/Storage/PSS)	: Storage
10 Firm Power (MWc)	: -
11 Annual Energy Benefits (GWh)	: 276.42 MkWH
12 Inter State Aspects	: Does not arise
13 International Aspects	: Do
14 Defence aspects	: Do
15 R&R Aspects	: Cultivable lands under the reservoir area.
16 Forest area involved	: Marginal
17 Geological problems anticipated, if any	: Yet to be taken up
18 Accessibility-Nearest Rail head/Road and	: Guwahati (103 KM from Shillong)
19 Upstreams Schemes, if any	: No
20 Downstream Scheme, if any	: Nongkohlait, Nongnam & Mawput HEP

PROJECTS FEATURES

21 Type of Diversion Structure	: Concrete Gravity Dam.
a) Height(m)	: 45.00 m
b) FRL (m)	: 1425.00
c) MDDL (m)	: 1401.00
d) Live Storage (Mcum)	: 51.78 Mcum.
22 Water Conductor System	
a) Type	: Modified Horse Shoe
b) Length	: 4.125 Km
c) Diameter	: 3.00 m
23 Power House	
a) Type	: Surface
b) No. of units	: 2
c) Head (m)	: 464.50m (Rated)
24 Tail Race Water Conductor System	
a) Type	: D- Shaped
b) Length(m)	: -
c) Size	: -
d) TWL (m)	: 900 m (net)

Name:
Designation:
Telephone No:
Fax No:

(Signature)


Executive Engineer(C)
Investigation Division-1
Me. PGCL, Umiam



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

**NAME OF SCHEME
SURVEY & INVESTIGATION**

**Quarter Ending: December 2023
Umngi Storage Stage-I, HEP (62 MW)**

- | | | | |
|----|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------|
| 1 | Date of Commencement of S&I | :2005-2006 | |
| 2 | Likely date of completion of S&I | Dec-24 | |
| 3 | Likely date of completion of DPR | Dec-24 | |
| 4 | Estimated cost of S&I/DPR and Phasing of Expenditure | :500.00 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 | : 87% completed | : 13 % |
| b) | Roads | : Yet to be taken up | |
| c) | Construction of Temp. Building | : 91% Completed | : 8 % |
| d) | Purchase of Special T&P | | |
| e) | Topographic Survey/Investigation | : 95% Completed | |
| f) | Const.. Material (Survey/Testing) | : Yet to be taken up | |
| g) | Hydrological observation/ | : In progress | |
| h) | Meteorological | : In progress | |
| i) | Environmental Surveys | : 10% | |
| j) | Programme of works during the year | :Topographical Survey works, Geological investigation & Hydrometeorological data collection, Environment Survey. | |
| k) | Overall progress of works | :83.5% Completed/30% (New proposed) | |
| l) | Geological and foundation investigation & in case it is not possible to give tentative quantity , it should be given as percentage | :65% Completed/30% (New proposed) | |
| | Financial progress | | |
| 7 | Estimate cost of Survey & Investigation with price level year | :500.00 Lakhs | |
| 8 | Budget Estimate yyyy-yy | | |
| 9 | Revised Estimate yyyy-yy | | |
| 10 | Budget Estimate yyyy-yy | | |

Telephone No.Code No.....

(Signature)

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

Name

Designation


Executive Engineer(C)
Investigation Division-1
Me PGCL, Umiam

