

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

NAME OF SCHEME	Revised Umngi Storage (2x31MW)	STORAGE, 62 (MW)
<b>GENERAL INFORMATION</b>		
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)**

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

**NAME OF SCHEME  
SURVEY & INVESTIGATION**

**Quarter Ending: September 2022  
Umngi Storage Stage-I, HEP (62 MW)**

1	Date of Commencement of S&I	:2005-2006	
2	Likely date of completion of S&I	:Report submitted to Higher Authority for submission to NEC	
3	Likely date of completion of DPR	:2024	
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, 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	: 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/87% (New proposal)	
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 Financial progress	:65% Completed/30% (New proposed)	
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		

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