

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

**NAME OF SCHEME**                      **Revised Umngi Storage (2x31MW)**                      **STORAGE, 62 (MW)**

**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)

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**

<b>NAME OF SCHEME SURVEY &amp; INVESTIGATION</b>	<b>Quarter Ending: December, 2021 Umngi Storage Stage-I, HEP (62 MW)</b>	
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 Revused Estimate yyyy-yy		
10 Budget Estimate yyyy-yy		

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

(Signature)

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

Name

Designation