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

: East Khasi Hills 3 District 4 Nearest G&D Site : Dam Site 5 Catchment Area near G&D Site : 304.00Sq/Km Status of availability of G&D Site : In progress 6 7 Basin/River : Umngot Catchment Area (Sq.Km) : 304.00Sq.Km 9 Type of Scheme (ROR/Storage/PSS) : Storage

10Firm Power (MWc): 27 MW (Tentative)11Annual Energy Benefits (GWh): 717.29 Kwh (Tentative)

12Inter State Aspects: Does not arise13International 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

Name: Designation: Telephone No:

Fax No: (Signature)

STATUS OF SURVEY & INVESTIGATION OF HE SCHEMES PART-II

Quarter Ending: December, 2022

NAME OF SCHEME **UMNGOT HEP** 210 (MW) :2001-2002 1 Date of Commencement of S&I 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 Likely date of completion of DPR : DPR submitted but was returned and all partial clearance issued till date are rescinded by CEA, New Delhi. 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 : 430.78 lakhs; Revised Estimate: 835.00 Lakhs Phasing of Expenditure : Executive Engineer, 5 Agency of Investigation (in case of Investigation Div-1, Pvt.Agency, Name, Designation, complete address, telepone No. & Me.PGCL, Umiam Fax No.is to be indicated) Details of Physical Progress Quantity Done Quantity to be done Tracer Path & Approaches : Completed a) : To be taken up b) Roads Construction of Temp. Building : Completed c) Purchase of Special T&P : Completed d) 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 Programme of works during the year :To submit other chapters for approval. j) k) Overall progress of works Geological and foundation investigation & in : Sub-surface exploration for a very small additional items case it is not possible to give tentative as recommended by GSI (DPR cell Delhi) will be taken up during pre-construction. (98 % completed) quantity, it should be given as percentage Financial progress 7 Estimate cost of Survey & Investigation with : 835.00 Lakhs price level year 8

Budget Estimate yyyy-yy

Revised Estimate yyyy-yy

10 Budget Estimate yyyy-yy

Telephone No.Code No..... (Signature) Fax No...... Code No.....

Name

Designation