

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

**NAME OF SCHEME** MYNTDU LESHKA STAGE-II, **ROR (3 x 70MW)**  
**GENERAL INFORMATION**

1	State	: Meghalaya	Dam Type	:	Concrete Gravity
2	Location	: Jaintia Hills District	Height	:	44.00 m
a).	Latitude of Dam	: 25° - 13' - 45"	Power House	:	Overground
b).	Longitude of Dam	: 92° -13' -45"			

**GENERAL LAYOUT/INDEX MAP MAY PLEASE BE FURNISHED**

3	District	: West Jaintia Hills District
4	Nearest G&D Site	: Dam Site
5	Catchment Area near G&D Site	: 480 Sq.Km
6	Status of availability of G&D Site	: In continuation
7	Basin/River	: Myntdu
8	Catchment Area (Sq.Km)	: 480 Sq.km.
9	Type of Scheme (ROR/Storage/PSS)	: ROR
10	Firm Power (MWc)	: -
11	Annual Energy Benefits (GWh)	: 613.80 MU
12	Inter State Aspects	: Does not arise
13	International Aspects	:Received
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 take into account
18	Accessibility-Nearest Rail head/Road and distance from the project	: Guwahati 230 Km .
19	Upstreams Schemes, if any	: Myntdu (Leshka) Stage-I HEP(3 x 42MW) & Selim (under investigation)
20	Downstream Scheme, if any	: No

**PROJECTS FEATURES**

21	<b>Type of Diversion Structure</b>	: Concrete Gravity.
a	Height(m)	: 46.00 m
b	FRL (m)	: 270.00 m
c	MDDL (m)	: 254.50 m
d	Live Storage (Mcum)	: 2.73 M cum
22	<b>Water Conductor System</b>	: R.C.C.Tunnel
a	Type	Modified Horse Shoe
b	Length	: 6.164 km.
c	Diameter	: 6 m
23	<b>Power House</b>	
a	Type	: Overground
b	No. of units	: 3
c	Rated Head (m)	: 228.28 m
24	<b>Tail Race Water Conductor System</b>	
a	Type	: Open Channel
b	Length(m)	: 270 m
c	Size	: 5.5 m
d	TWL (m)	: 13 m

Please give brief details about the HE Scheme and enclosed a layout map

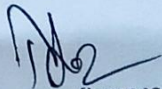
Name:

Designation:

Telephone No:

Fax No:

(Signature)

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

**\*STATUS OF SURVEY & INVESTIGATION OF THE SCHEMES**

**PART-II**

**Quarter Ending: March, 2022**

**MYNTDU LESHKA STAGE-II, HEP (3 x 70 MW)**

**NAME OF SCHEME  
SURVEY & INVESTIGATION**

- |    |   |  |                     |
|----|---|--|---------------------|
| 1  | Date of Commencement of S&I   | : 2004-2005  |                     |
| 2  | Likely date of completion of S&I  | : July 2022  |                     |
| 3  | Likely date of completion of DPR  | : July 2022  |                     |
| 4  | Estimated cost of S&I/DPR and Phasing of Expenditure  | : 293.75 lakhs (CWC+322.50 lakhs)<br>Revised: 359.75 Lakhs.<br>Revised estimate (2nd revision): 960.19 Lakhs |                     |
| 5  | Agency of Investigation ( in case of Pvt.Agency, Name, Designation, complete address, telephone No. & Fax No.is to be indicated)                      | : Executive Engineer,<br>Investigation Div-1,<br>Me.PGCL, Umiam  |                     |
| 6  | Details of Physical Progress  | Quantity Done  | Quantity to be done |
| a) | Tracer Path & Approaches  | : 96% completed for<br>tracepath & approach  |                     |
| b) | Roads   | : Yet to be taken up   |                     |
| c) | Construction of Temp. Building  | : Yet to be taken up   |                     |
| d) | Purchase of Special T&P   | : Completed  |                     |
| e) | Topographic Survey/Investigation  | : Completed  |                     |
| f) | Const. Material (Survey/Testing)  | : 96 %   | 4.0%                |
| g) | Hydrological observation/   | : In continuation  |                     |
| h) | Meteorological  | : In continuation  |                     |
| i) | Environmental Surveys   | : 61%  | 39%                 |
| j) | Programme of works during the year  | : Geological investigation & Hydrometeorological data<br>collection, Environment Survey.                     |                     |
| k) | Overall progress of works   | : 93.3 % Completed   |                     |
| l) | Geological and foundation investigation & in case it is not possible to give tentative quantity , it should be given as percentage Financial progress | : 97%  |                     |
| 7  | Estimate cost of Survey & Investigation with price level year   | : 960.00 Lakhs (Re-revised estimate)   |                     |
| 8  | Budget Estimate yyyy-yy   |  |                     |
| 9  | Revused Estimate yyyy-yy  |  |                     |
| 10 | Budget Estimate yyyy-yy   |  |                     |

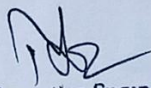
Telephone No. ....Code No.....

(Signature)

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

Name

Designation

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

CLEARANCES		
i)	Hydrological Studies (clearance from CWC)	Clearance received vide letter No.CWC U.O No.4/151/2016 - Hyd(NE)/ 190-191 dt 13.6.2017 from CWC.Hydrology (NE) Directorate
ii)	Power Potential Studies (clearance from CEA)	Clearance received vide letter No. CEA HY-12 -33/ 2019/ HPA Division dt 5.5.2021 from HPA Div, CEA for 210 MW.
iii)	Foundation engineering and seismic aspects (clearance from CWC)	Site Specific Design Earthquake Parameter studies approved vide letter No.2/2/2018/FE&SA/148 dt 11.03.2019
iv)	Geological aspects (clearance from GSI)	Geological Survey of India, Engineering Div, Shillong is being engaged for Geo-technical Investigation Works. The Geological chapter was completed and submitted to the Director, GSI, EPE Division, New Delhi for clearance. Observations on the Geological chapter were received vide letter No.156 Myntdu Leshka Stage-II HEP/EPE/DGCO/GSI/ 2016/ 1440-45 dt. 09.03.2022 from GSI, EPE Division . More drilling have been proposed by GSI, EPE, Division to be taken up on the Dam area, HRT alignment and Power House area. The replies are being compiled with request to allow that further drilling works be taken up during the construction stage as Drilling works at this stage will lead to further delay in submitting the DPR and implementation of the Project as they consume lots of time as experienced due to remoteness of the project, difficult approach to drilling area due to harsh topography.
v)	Construction material aspects (Clearance from CSMRS)	Laboratory test Report from CSMRS received vide letter No.54/CSM/C-3/2018/4/D1 29th July 2020. Since sample from only one Quarry is conforming to the specifications as per IS code for use as coarse aggregates for both Wearing and Non Wearing aggregates, CSMRS has requested to identify more quarry. Hence one new quarry was then identified and samples sent to CSMRS for testing. The test result received shows that the sample is conforming to the specification requirements as per IS:383-2016 for use as coarse aggregates in concrete for wearing surfaces. Hence, CSMRS requirements are cleared. The construction material report will be submitted as DPR Chapter.
vi)	General Layout of the project (Clearances from CWC & CEA)	i) Clearance from CMDD(E&NE) Directorate received vide letter No. 9/8/2005 CMDD(E&NE)/190-191 dt 08.05.2019 ii) Clearance from HCD(E&NE) Directorate received vide letter No. 2/88/2012 HCD(E&NE)/34 dt. 31.07.2019
vii)	Standing Technical Committee (STC) Clearance as on ROR scheme.	Not Applicable as infomed by CEA,New Delhi vide letter No. 4/1/2019-HEPR/594 Dt 01.07.2019
viii)	Inter-state matters (clearance from CWC)	Not Applicable as informed by CWC,New Delhi vide letter No. 2/6/ISM-2/2017/ Dt 23.05.2019
ix)	MOWR clearance on international aspects	<i>Clearance received vide letter No.Z-14011/15/2020-FM Section-MOWR dt 13.10.2021 from Ministry of Jal Shakti,Department of WR,RD &amp; GR(Flood Management Wing),New Delhi ,Govt of India. International clearance stand cleared.</i>
x)	E&M Chapter (clearance from HE&TD, CEA)	Latest observations from HE&TD Directorate were received vide letter No.10/209(10)/HE&TD/2021 Dt. 30.03.2022. The replies are being compiled and will be submitted soon.