

STATUS OF SURVEY & INVESTIGATION OF HE SCHEMES	
(PART I)	
NAME OF SCHEME Selim HE Project /Storage, 2x40 (MW)	
<b>GENERAL INFORMATION</b>	
1 State	Meghalaya
2 Location -	Damsite-Between East & West Jaintia Hills District, near Unsalang village
a Latitude of Dam	25° 21' 48.99 " N,
b Longitude of Dam	92° 11' 38.52 " E,
General layout /Index map may please be furnished	
3 District	East & West Jaintia Hills District
4 Nearest G&D site	Damsite
5 Catchment Area near G&D site	170.802 Sq.Km
6 Status of availability of G&D site	Established since May 2006.
7 Basin/River	Myntdu
8 Catchment Area (Sq.km)	170.802 Sq.Km
9 Type of Scheme (ROR/Storage/PSS)	ROR scheme
10 Firm Power (MW)	29.30 MW.
11 Annual Energy Benefits (GWh)	i)373.52 Gwh in 90% dependable year
12 Inter State Aspects	Does not arise
13 International Aspects	NIL
14 Defense aspects	No defense installations
15 R&R Aspects	Does not arise.
16 Forests area involved	Detail Investigation to be taken up
17 Geological problems anticipated, if any	Sub-surface investigation is to be carried out.
18 Accessibility-Nearest Rail head/	Nearest Rail Head: Guwahati - 193 Km.
Road and distance from the project.	Nearest Road: 5 Km from Mupyut (PWD Road), West Jaintia Hills District.
19 Upstream scheme, if any -	Nil
20 Downstream scheme, if any. -	Proposed Suchen (65 MW), Commissioned Leshka-I (3X42 MW), Proposed Leshka-II (2X70 MW)
<b>II PROJECT FEATURES</b>	
21 Type of Diversion Structure/Tunnel	
a) Number	1 No.
b) Size	4.50 m Φ
c) Length	500 m
d) Diversion discharge	53.3 Cumecs
e) FRL	1103.50 m
f) MDDL	1093.50 m
g) Live storage	1.00 Cum
22 Dam	
a) Type	Concrete gravity
b) Top elevation of dam -	1105.50 m
c) Height of dam above the river bed level	34.50 m
d) Deepest foundation level	1069.00 m
e) Length of dam at top	187.80 m
f) Deepest River bed level at Damsite -	1071.00 m

23	Water conductor system	
	a) Type	Modified Horse Shoe
	b) Length	4.525 Km
	c) Diameter	3.10 m $\Phi$
24	Power House	
	a) Type	Surface
	b) No. of units	2 units (2X40 MW)
	c) Net Head (m)	334.53 m
25	Tail Race Water conductor System	
	a) Type	Open Channel
	b) Length (m)	100 m
	c) Size	12.50 m width X1.5 m FSD
	d) TWL (m)	748
Please give brief details about the HE Scheme and enclose a layout map.		
Brief details on Selim H.E.Project:		
<p>The proposed Selim H.E. Project Dam is locate between East and West Jaintia Hills District of Meghalaya is the uppermost hydro electric project in a series of hydel projects on the Myntdu river. It envisages utilization of the water of the river Myntdu, for power generation on a Run of the River (ROR) type development, harnessing a gross head of about 355.50 m.The project with a proposed installation of 80 MW (2X40MW) would afford an annual energy generation of 373.52 Gwh, in a 90% dependable year. The tariff from the project at present cost would be Rs.1.76/KWh (levellised).</p> <p>The diversion site is located at Latitude 25° 21' 48.99" N, and Longitude 90° 11' 38.52" E. The damsite is approachable from Mupyut village on Shillong – Dawki highway at a distance of 20 kms from Jowai and 85 Km from Shillong. The nearest rail head and airport are located at Guwahati and Umroi respectively.</p> <p>The Selim HE project envisages construction of 34.50 m high concrete gravity dam above the deepest foundation level across river Myntdu to provide a live storage of 1.0 mcm with FRL at 1103.50 m and MDDL at 1093.50 m, 4.525 Km long and 3.10 m dia circular Head Race Tunnel terminating in a 37 m high 8.00 m dia surge shaft, 782.00 m long, 2.60 m dia penstock, a surface power house having an installation of 2(two) nos of Francis type generating units of 40 MW each operating under a rated head of 334.53 m.</p>		

(Signature)

Name:Shri. Q. Marbaniang

Designation: Executive Engineer (C)

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STATUS OF SURVEY & INVESTIGATION OF HE SCHEMES		
(PART- II)		
Quarter Ending March, 2017		
NAME OF SCHEME SURVEY & INVESTIGATION		Selim HE Project 2x40 (MW)
1	Date of commencement of S&I	2006-2007(Hydrological observation)
2	Date of Sanction	NEC/IRGN/MEG/2K/3/821 Dt.25.03.2008
3	Likely date of completion of S& I	2016-17
4	Likely date of completion of DPR	2018
5	Estimated cost of S&I/DPR and Phasing of Expenditure	Rs. 450.00 Lakh
6	Agency of Investigation (in case of Pvt.Agency, Name, Designation, Complete Address, telephone no. & Fax No. is to be indicated).	Meghalaya Power Generatin Corporation Limited.
7	Details of Progress @	Quantity Done
		Quantity to be done
		40%
		60%
a	Tracer Path & Approaches	50%
b	Roads	Road to be taken up
c	Construction of Temp. Building	Completed
d	Purchase of Special T &P	To be taken up
e	Topographic Survey/Investigation	100%
f	Const. Material (Survey/Testing)	To be taken up
g	Hydrological observations	Data collection since June 2006
h	Meteorological	Data collected since June 2006
i	Environmental Survey	In Progress
j	Programme of works during the year	<p>Observation, compilation and computation of hydrometeorological data of the project are persistent activities.</p> <p><b>I. January - April, 2017</b></p> <p><b>(a)Land Acquisition</b></p> <p>1.Identification of the Land owners and marking their plots likely to be affected by development of the project. 2. Improvement of the G&amp;D site.</p> <p><b>(b) Road Alignment</b></p> <p>1. Road alignment survey from Mupyut through Umsalang village and Dam site to the proposed Power House site.</p> <p><b>II. May - August, 2017</b></p> <p><b>(a)Land Acquisition</b></p> <p>1. Preparation of Drawings related the S&amp; activities.</p> <p>2. Preparation of estimate for construction of roads, culverts, bridges etc. 2. Revision and submission of the Hydrological Chapter</p> <p><b>(b) Identification of stone/sand quarries</b></p> <p>1. Identification of quarries of Coarse &amp; Fine aggregates.</p> <p>2. Collection of aggregate samples for laboratory test.</p> <p><b>III. September - December, 2017</b></p> <p><b>(a) DPR Preparation</b> 1. Finalisation of Drawings and preparation of the estimates for the project (at DPR stage) 2. Submission of test reports (of coarse and fine aggregates samples water samples). 2. Power potential studies.</p>

k	Overall progress of works	40%
l	Geological and foundation Investigation	In progress
@ In case it is not possible to give tentative quantity it should be given as percentage Financial Progress.		
8	Estimated cost of Survey & Investigation with price level year	
9	Capital Expenditure incurred upto September 2016	Rs. 177.18 Lakh
10	Capital Expenditure incurred upto December 2016	Rs. 201.32 Lakh
11	Capital Expenditure incurred upto March 2017	Rs. 203.64 Lakh
12	Budget estimate	
13	Revised Estimate 2016-17	
14	Budget Estimate 2016-17	Rs.52.80 Lakh
<b>BOTTLE NECKS, IF ANY</b>		
Limited working days (approx. 6(six) months in a year), Difficult Terrain and remoteness of the project area, Shortage of Manpower, irregular allocation/release of fund, Inaccuracy of toposheet covering the project, account to revision of project components result in delay of S&I works.		

(Signature)

Name:Er. Q. Marbaniang

Designation:Executive Engineer (C)

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