

Bi-annual Report
on
Operation and Maintenance
of
Hulhumale' 1.5MW Photovoltaic System
ASPIRE Lot Two



Report S.N.: 2019-01
Report Period: From April 2018 to August 2019
Issued by: Hulhumale' Renewable Energy Company

HULHUMALE RENEWABLE ENERGY COMPANY PVT LTD

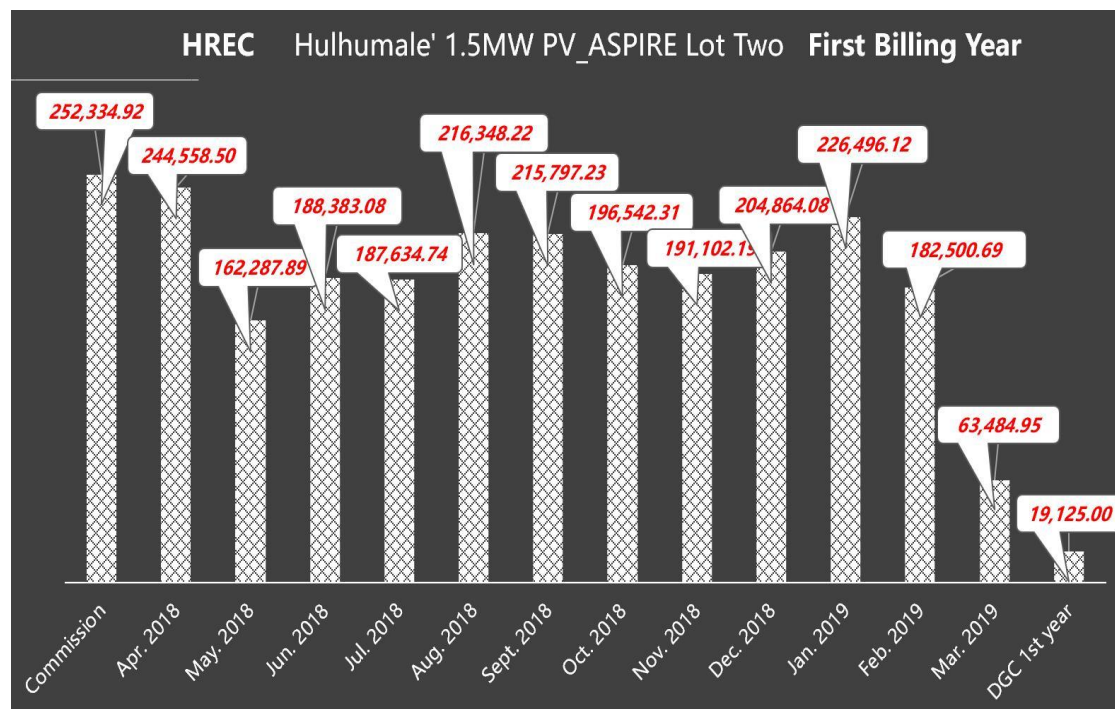
Hulhumale' 1.5MW Solar Project_ ASPIRE Lot Two

I. Description of Project

Project Capacity:	1.5MW
Project Sponsor:	Ministry of Environment
Electricity Buyer:	State Electric Company Limited (STELCO)
Project Type:	Design, Build, Finance, Operate, Own, Transfer
Project Location:	34 four-story Buildings, China Town, Hulhumale'
Project COD:	26th March 2018
Project Period:	20 years
Project Guarantor	International Development Association

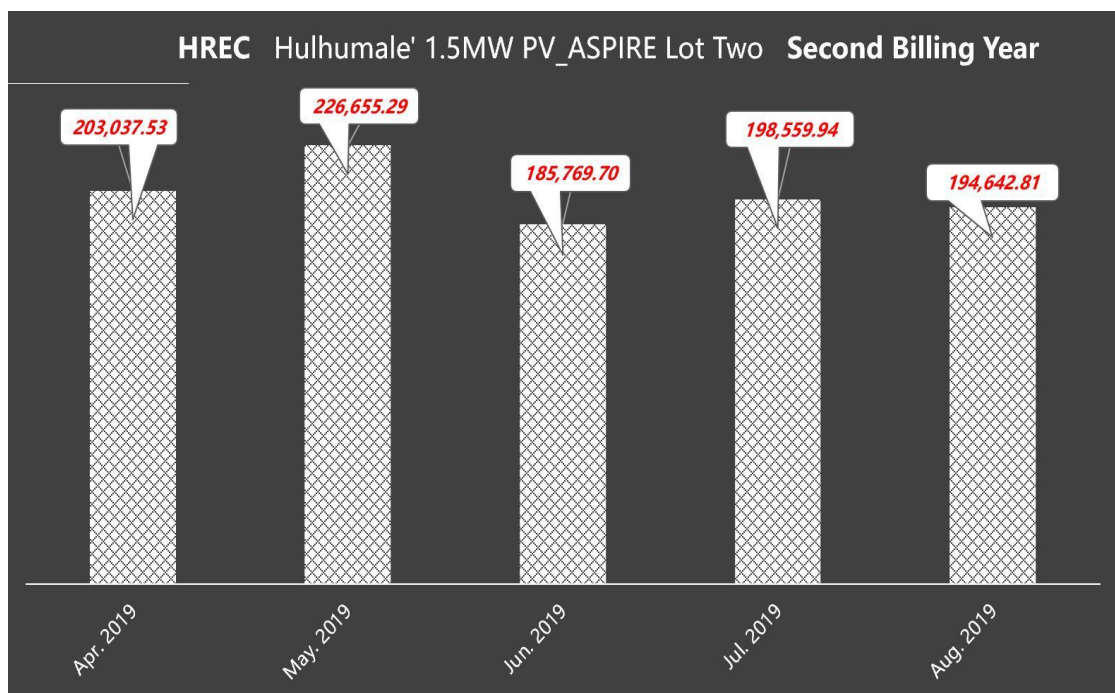
II. Energy Generated

Quarter	Billing Year	Electricity Generated (kWh)
March	Commissioning	252,334.92
Apr.-Jun.	2018, 1 st year	595,229.47
Jul.-Sept.	2018, 1 st year	619,780.19
Oct.-Dec.	2018, 1 st year	592,508.58
Jan.-Mar.	2019, 1 st year	573,595.71
TOTAL	FIRST YEAR	2,381,113.95
TOTAL	PPA STIPULATION	2,280,000.00
Apr.-Jun.	2019, 2 nd year	615,462.52
Jul.-Aug.	2019, 2 nd year	393,202.75



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III. Environmental Impact

Reduction on Carbon Dioxide	3,670tons
Reduction on Sulfur Dioxide	110.418tons
Equivalent Trees Plantation	200,360nos
Vehicle mileages	32,005,130km

IV. Social / Grievance Management

i. Noise

Inverters are operating on the upper corridor of forth floor with less than 60 decibel (dB). No complaint has been filed.

ii. Heat and/or Light Reflection

The panels are installed on supporting structures above the roofs of 34 four-story buildings with angle of 18 degrees. Heat could be dissipated through the space between the roof surface and panels. The sunlight radiation is reflected from the panels and brings less heat onto the roof. No complaint has been filed.

iii. Health and Safety

Safety gears are required for personnel of operation and maintenance. No incident has been reported.

iv. Waste Management

No waste has been generated.

v. Social Impact

No grievance has been filed.

V. Operation and Maintenance of PV Plant

i. Scheduled Maintenance Outages

None.

ii. Deemed Generation

Plant was shut down for 225 hours at request of STELCO due to Lube Oil Consumption tests.

VI. Insurance Policy

Insurances	Policy NO.	Validity
Property All Risks Insurances	MLMI19CF002109	25.03.2020
Machinery Breakdown Insurance	MLMI19NMN000042	25.03.2020
Commercial General Liability	MLMI19TL000131	25.03.2020

These policies are renewed on a yearly basis.

VII. Photos of the PV Plant



(Aerial View of the Plant)

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(PV Arrays on Roof)



(PV Arrays)

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Hulhumale' 1.5MW Solar Project _ ASPIRE Lot Two



(Project Wireless Terminal)



(Metering Device and Data Logger)