

MEGHALAYA POWER DISTRIBUTION CORPORATION LIMITED

UMIAM RURAL DISTRIBUTION SUB-DIVISION
UMIAM-793103.RI-BHOI DISTRICT. MEGHALAYA
CIN: U40101ML2009SGC008394

No. MePDCL/URDSD/T-03(Pt-IV)/2024-25/

Dated: September 2024

To,

The Executive Engineer,
Umiām Distribution Division,
MePDCL, Umiām.

Sub: Completion Report

Sir,

With reference to the above, I have the honour to inform you that the works for construction of 11KV line = 5.1 KM and 63KVA Sub-Station under Deposit works for providing power supply to Sengkhasi Kmīe Lumsōhpētnēng Rī-Bhoi District at Lumsōhpētnēng village was completed in all respect and Charge on 02 September 2024. The details are as follow

- 1, Name of Consumer: General Secretary Seng Khasi Kmīe
- 2, Address: Lumsōhpētnēng village
- 3, Category: 28KW (Twenty Eight Kilowatt) CLT
- 4, Meter No: MEB99422
- 5, Total Estimated Cost: Rs8697756.00
- 6, Receipt/ Acknowledge No: ACB/1774/Pt-III/2023/276 DATED: 03-07-2023
- 7, Date of completion: 20May 2024
- 8, Date of Charging: 02September 2024
- 9, Maintenance and replacement of Transformer in case of failure will be the responsibility of the Department as per Agreement signed with the Consumer.

This is for favour of your information and necessary approval.

Enclosed: As stated.

Yours faithfully,

Assistant Executive Engineer
Umiām Rural Distribution Sub-Division
MePDCL, Umiām

No. MePDCL/URDSD/T-03(Pt-IV)/2024-25/ 633(a)

Dated: 9th September 2024

Copy to:

- 1 The Managing Director, MTDC Ltd Shillong for information and necessary action regarding signing agreement and billing.
- 2 The Assistant Executive Engineer, Umiām Distribution Sub-Division, MePDCL, Umiām for favour of information and necessary action. Internal wiring Test Report and Meter Test Certificate are also enclosed.
- 3 ✓ The Junior Engineer, CBS, Umiām for information and to start billing with immediate effect.

Assistant Executive Engineer



MEGHALAYA ELECTRICITY CORPORATION LIMITED

(Government of Meghalaya Enterprise)

'Accounts Department'

Corporate Identification No. U40101ML2009SGC008374

"Lum Jingshai", Shillong

Phone No. 0364 - 2592155 & Fax No. 0364 - 2591344

Acc
J-7-
06/7/23

Executive Eng
Jawahar Distribution
MePDCL (In

No. ACB/T774/TI-III/2023/276

Date: 03-07-2023

To,

✓ The Executive Engineer,
Umiam Distribution Division,
MePDCL, Umiam.

Sub:- Acknowledgement receipt.

Ref:- Your letter No. MePDCL/EE/UBD/T-104/2023-24/290 dated. 21-06-2023.

With reference to the above, I am to acknowledge that an amount of Rs.86,97,756/- was credited in our MePDCL Deposit Work Account No. 38523607373 on 13-06-2023 being payment for construction of 11KV line, 11/0.4 KV, 63 KVA Sub Station including civil works for Sub Station fencing, Rdc for DT metering, LT line 3phase 4 wire, LT metering and service connection for providing power supply to Sengkhiasi Sengkhmie at Lumsohpetbneng.

Executive Engineer
Umiam Distribution Division
MEPDCL Umiam
Duty No. 535 01 6/7/23

(R.R. Tyndem)
Senior Accounts Officer,
(Cash & Bank Section).

Memo No: MePDCL/EE/UBD/T-104/2023-24/342 21.6/7/23

Copy to:

1. The Superintending Engineer, Ri Bhei Distribution Circle, MePDCL, Umiam for signature of information.
2. The Assistant Executive Engineer ^{UBDSD} for information and necessary action with a request to submit the materials requirement.

INSPECTORATE OF ELECTRICITY: SHILLONG (63)

No.IEL.III/10/2024/105

Dated Shillong the 24th May, 2024.

APPROVAL FOR CHARGING

To

The Assistant Executive Engineer,
Umiam Distribution, Sub-Division,
MePDCL, Umiam.

ACE
Pl. mlt
30/5/24

Ref: Letter No. MePDCL/URDSD/T-04/2024-25/490 date 01-05-2024

1. Whereas, the 11KV, drawn to 63kVA, 11/0.43kV Substation installed to provide power supply to the premises of *Seng Khasi Kmie*, at *Lumsohpeibneng*, *Ri Bhoi District* was inspected on 15th May, 2024 and found to be in order and conform to the *Regulations of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023*
2. Whereas, the 63kVA, 11/0.43kV Substation installed to provide power supply to the premises of *Seng Khasi Kmie*, at *Lumsohpeibneng*, *Ri Bhoi District* was inspected on 15th May, 2024 and found to be in order and conform to the *Regulations of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023*

Therefore, in exercise of the powers conferred by sub-section (1) of the Section 162 of the *Electricity Act, 2003 (36 of 2003)*, approval for charging of the above Line and Substation is hereby accorded under the *Regulation 43 of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations 2023*, subject to the conditions that all precautionary measures as laid down under the *Electricity Act 2003, Rules and Regulations* is strictly followed to ensure safety.

This approval is valid for a period of 5 (five) years only upto 23rd May, 2029 as under sub-regulation (1) of Regulation 32 of the *Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023*. The same should be renewed within the above date as under the said Regulation for further necessary action from this end

Memo No.IEL.III/10/2024/105 (a)

Senior Electrical Inspector,
Meghalaya, Shillong.
Dated Shillong the 24th May, 2024.

Copy to the Executive Engineer, Umiam Distribution, Division, MePDCL, Umiam for information.

RECEIVED BY THE ENGINEER
Umiam Distribution Sub-Division
MePDCL, Umiam

Copy No 462 on 30/5/24

Senior Electrical Inspector

Sang Khasi kmie at Lumsatpetbong

SHREE SAI ELECTRICALS

KAMARKUCHI, SONAPUR, DIST: KAMRUP (M), PIN: 782402

AN ISO 9001:2015 CERTIFIED COMPANY

Customer: The Additional Chief Engineer (MM)

Add: Lum Jingshai Short Round Road, Shillong-793001

Consignee: The Asst. Executive Engineer, Central Store, Sumer

PO. ACE (MM) Buffer/2023-24/31, Dtd: 22-12-23

TEST CERTIFICATE

Capacity	:	63 KVA (L-I), Amnd.4	Cooling	ONAN
Voltage HV	:	11000 Volts.	Vector Group	Dyn-11
LV	:	433 Volts.	Frequency	50 Hz.
Current HV	:	3.31 Amps.	Serial No.	63/50
LV	:	84.00 Amps.	Mfg Year	2024

a) Winding Resistance at 15°C

HV windings		LV windings	
1U1V	22.614 Ohms	2U2N	11.822 m Ohms..
1V1W	22.636 Ohms.	2V2N	11.832 m Ohms..
1W1U	22.641 Ohms.	2W2N	11.825 m-Ohms..

b) Ratio, Polarity and phase Relationships

Position	Measured Ratio
U/u phase	44.000
V/v phase	44.000
W/w phase	44.001

Polarity Phase Relationship: - O.K

c) Impedance Voltage :-

Oil temperature 15° C .

Applied volts		Current (amps)		%imp at oil temp.	%imp at 75°C
1U1V	473.454	1U	3.312	4.304	4.367%
1V1W	473.435	1V	3.311		
1W1U	473.428	1W	3.310		

d) Load losses :- At 100% Load, Oil temperature 15° C

Load loss at Oil temp (watts)	Isq. R loss (watts)	Load loss at 75° C (watts)
686.00	621.51	828.90

Load losses :- At 50% Load, Oil temperature 15° C

Load loss at Oil temp (watts)	Isq. R loss (watts)	Load loss at 75° C (watts)
171.5	155.38	207.22

13/02/24.

e) No Load losses and No load current :-

a. No load losses:- 132 W , Frequency-50 Hz.

b. No load current - (3 PH 433 V supply given from LV side)

VOLTAGE(Volts)			CURRENT(Amps)		
2U2V	2V2W	2W2U	2U	2V	2W
433.00	433.00	433.00	0.285	0.272	0.298

Total Loss at 75° C :

960.90 Watts

(At 100 % Load)

Total Loss at 75° C :

339.22 Watts

(At 50 % Load)

f) Insulation resistance :-

(In Mega Ohms) Tested by 2500 Volts(D.C) & 500 Volt (D.C) Insulation tester.

HV-E: > 10000

LV-E: > 5000

HV-LV: > 10000

Oil Temp:- 15°C.

g) Induced over voltage withstand:-

Induced Through L.V. = 866Volts for 60 Second at 100 Hz. Frequency.

h) Separate source voltage withstand

A) HV to LV Earth: 28KV for one minute withstand.

B) LV to HV Earth: 3 KV for one minute withstand.

i) Pressure Test Observation: Found OK

j) Oil Leakage Test Observation: Found OK

k) Transformer Oil Test:-

Di-electric strength (at Standard 2.5 mm gap) = 65 KV.

Qty. of Oil - 170 Ltrs.

For M/s Shree Sai Electricals

Ankur Kumar

Designation: (Electrical Engg)

Dated: 19/01/2024


19-01-24

METER TEST CERTIFICATE



Serial number : ME899422

Voltage : 240V Current : 40-200A Accuracy Class : 1.0 Ref. Standard : IEC: 62053-21/15:13779

- | | |
|---------------------------------------|---------|
| 1. AC VOLTAGE TEST | :- PASS |
| 2. TEST OF NO LOAD CONDITION | :- PASS |
| 3. TEST OF STARTING CURRENT CONDITION | :- PASS |
| 4. INSULATION RESISTANCE TEST | :- PASS |
| 5. POWER CONSUMPTION | :- PASS |
| 6. TEST OF METER CONSTANT | :- PASS |
| 7. LIMIT OF ERROR | :- PASS |

7(a) Conditions: $V_{ref} = 240V$ $I_b = 40-200A$ Amb. Temp. = $27^{\circ}C \pm 2^{\circ}C$ Relative Humidity < 70%.

7(b) Errors shown in the tables are given after accounting the error of reference meter.

7(c) Reference meter serial no. MET00013 class 0.25 traceable to national standards.

IMPORT MODE ERRORS

Active Errors(Balance Mode 3p4w)

Load X Ib	0.5 lag	0.8 lead	UPF
500	-0.03	-0.20	-0.09
100	-0.05	-0.02	-0.05
10	-0.12	-0.11	-0.14
5			-0.11

Reactive Errors(Balance Mode 3p4w)

Load X Ib	0.5 lag	0.8 lead
500	-0.20	0.01
100	-0.05	-0.10
10	-0.15	-0.21

Date :- 25/11/2023

This is a computer generated test certificate. No signature required.

Secure Meters Limited
Unit II, Village Bated,
Off Haripur Road, Barotiwala
Dist. Solan 174 103 (HP), India

p: +91 1792 255591
f: +91 1792 255593
e: unit2@securemeters.com

Regd. & Head Office
"E" Class
Pratapnagar Industrial Area
Udaipur 313 003, India
CIN No: U74899RJ9947P1C020104

p: +91 294 2492300-305
f: +91 294 2492310
e: mktg@securemeters.com
www.securemeters.com

APPLICATION FORM FOR PROVIDING LT. SERVICE CONNECTION (FOR ALL CATEGORY AND FOR ALL PURPOSE)

To,

The Area Manager/ Asstt. Executive Engineer
Service Connection Sub-Division/ Distribution Sub-Division
MeECL
(Indicate the local area of the jurisdiction of the Engineer of the licensee)

Sir,

1. I/We hereby request you to supply electricity to the premises located at the address more fully described below. I/We are the owner/lawful occupier of the premises
2. I/We agree to abide by the terms and condition relating to the supply of electricity by MeECL and to make all payments as may be required and also to pay regularly all charges as may become due

3. a) Full name and address of the applicant with contact telephone number

*General Secretary Seng Khasi Khui, Shillong
Lumabipellong*

- b) Status in relation to the premises

Owner

☒

Occupier

☐

- c) Location and address of the premises including Police Station.

- d) Nature of LT supply :

Comercial

☒

Domestic

Industrial

☐

General Purpose

WSLT

☐

PL

Agriculture

☐

KJ

Date :

[Signature]
General Secretary
Applicant's Seng Khasi Khui
Shillong

NB : The following documents are to be enclosed :

- 1) Test Report from Licensed contractor
- 2) Agreement Form duly filled in
- 3) Proof of ownership (in case applicant is owner)
- 4) Number of nearest Electric Pole
- 5) NOC of the owner of the premises (in case the application is an occupier)
- 6) Attested copy of permission obtained from Pollution Control Board.
- 7) Bidding permission from the concerned authority

AGREEMENT FOR

LOW



AN AGREEMENT made this the 19th day of July 2022
between Occupier and his successor and assigns (hereinafter
referred to as the Consumer) of the One Part and the Meghalaya Energy Corporation Ltd. an electricity
distribution licensee under the Electricity Act 2003 and its successors and assigns (hereinafter referred to as
MeECL) of the Other Part

Note The term 'consumer' includes an individual person (whether male or female) a body of
persons, a company, society, firm, association or organization

WHEREAS, the consumer has applied to the MeECL for supply of electricity to its premises and the
MeECL has agreed to give the supply under the terms and conditions hereinafter appearing.

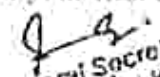
NOW, THEREFORE, the agreement witnesses:

1. That the supply shall be given to the premises located at lumsofet bney.
With the consumer as owner/occupier of:
2. That the supply shall be for the purpose of Lighting
the load whereof shall not exceed 8 KW watt(s)
3. That the provisions of the Electricity Act, 2003 and the Regulations, Code Orders, including Tariff
Orders, as may be made from time to time by the Meghalaya State Electricity Regulatory
Commission shall apply and bind the consumer and the MeECL alike.
4. That the consumer shall regularly and timely pay the MeECL all charges and may be due for the
supply of electricity.
5. That the Agreement shall be a period of two years and may be renewed for a further period:
Provided that supply shall not be terminated by mere efflux of time if the consumer is willing
that the agreement is renewed
6. That the Agreement shall be terminated if the consumer on its part desires it so and gives to the
MeECL a prior notice of not less than one month or, on the part of the MeECL, if the consumer has
violated any of the terms and conditions of the agreement.

Provided that on the part of the MeECL notice shall be given to the consumer stating reasons for the proposed termination and giving him opportunity to state his case and his statement if any, duly considered before the agreement is terminated and the supply of electricity cut off.

7. That the terms and conditions of this agreement shall be effective from the date supply of electricity is condemned

IN WITNESSES WHEREOF the parties hereto have set their hands and seals the date, month and year first above written.

()
General Secretary
Seng Khos
Challona
The Consumer

()
For and on behalf of the MeECL

Witnesses:

1. Signature:

Name:

Address:

1. Signature:

Name:

Address:

MEGHALAYA ENERGY POWER DISTRIBUTION CORPORATION LIMITED

TEST REPORT

This is to certify that repaired/renewed/additional/new electric installation at the premises of

GENERAL SECRETARY SENG KHASTI, M. C. E.
(Full Name) (Please leave an blank between name & surname)

LUMSOPHETBENENG
(Address)

is duly completed, tested and is ready for your Engineer to test and connect on your main line.

1 The load has been arranged as follows

Details of Load	Wattage of each item	Phase - I		Phase - II		Phase - III		Total watts of all 3 phases
		No. of points	Total watt	No. of points	Total watt	No. of points	Total watt	
1. Light points (i) Fluorescent (ii) Incandescent (iii) CFL (iv) Halogen (v) Others	20	12	240	12	240	12	240	720
2. Fan points	50	2	100	2	100	2	100	300W
3. Plug points (2 point) (i) 5 Amps (ii) 10 Amps	100 1000	2 2	200 2000	2 2	200 2000	2 2	200 2000	600W 6000W
4. Electrical gadgets (i) Water heater (geyser) (ii) Refrigerator (iii) Air Conditioner (iv) Others								
5. Welding Transformer								
6. Motor								
Total		2540	2540	2540	2540	2540	2540	7620W
In case of load enhancement Existing load (in watts)								
Total load in premises (in watts)								

Notes

- Details of any apparatus (other than the above mentioned) should be given.
- Rating of capacity used in Induction Motor and Welding Transformer (Test report of capacitor is to be enclosed)

KVAR

II. Type of wiring: *Cassing Capping*

III. Voltage and system supply: *440V*

IV. Test Result:

Date of Testing by Licensed Contractor: 190722

Type of Test	Result of test carried out by licensed contractor (In $M\Omega/\Omega$)				Result of test out by Supplier under relevant IE Rules, in $(M\Omega)/\Omega$
a. Insulation resistance between earth and whole system of conductor	P_1 <i>20</i>	P_2 <i>22</i>	P_3 <i>19</i>	$M\Omega$ <i>2</i>	
b. Insulation resistance between all conductors.	<i>22</i>	<i>19</i>	<i>22</i>	$M\Omega$ <i>2</i>	
c. Earth continuity between earth electrode and earth continuity conductor	<i>0 MΩ</i>				
d. Polarity of non-linked SP switches	<i>Phase phase</i>				

V. Full Name with signature of Licensed contractor

LIC No.

D. Kurbani
Electrical Contractor
Regd. No. 1379

VI. Full Name with signature of supervisor (with date)

LIC No.

D. Kurbani
(Mr. D. Kurbani)
Electrical's Supervisor
Registered No. 1252

VII. Full Name with signature of the wireman (with date)

PERMIT No.

D. Kurbani
8592

VIII. Signature of the authorized official who tested The installation of behalf of supplier

IX. Date of connection of supply to the installation

X. Date of Commencement