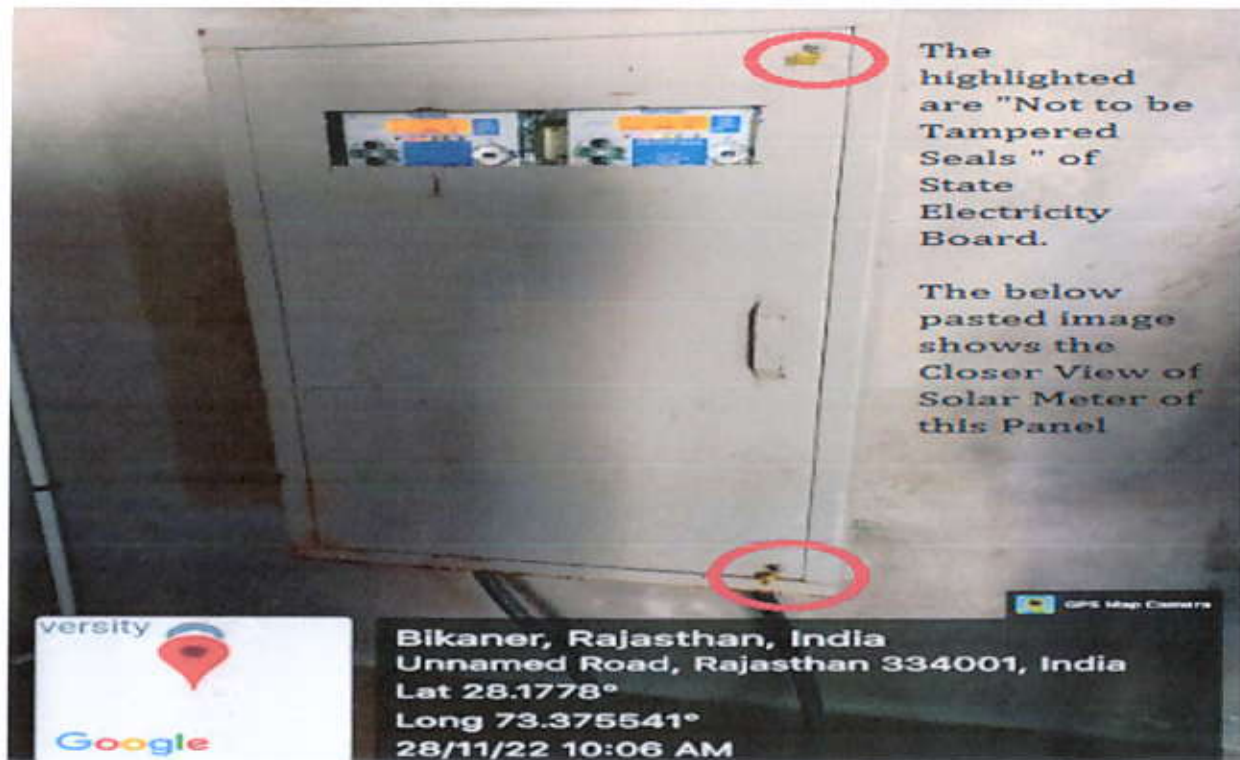


Self-Study Report

1st Cycle (Re-Assessment)

Matrix 7.1.2

Wheeling to the Grid



Wheeling to the Grid through a Meter (Panel could not be opened as seal of Electricity Board cannot be tampered)



Meter Which Records Solar Units Generated





राजस्थान RAJASTHAN

U 671813

Net Metering Connection Agreement

This agreement is made and entered into at BIKANER on this ___th day of July 2022 year between.

The Eligible Consumer, by the name of RNB GLOBAL UNIVERSITY having premises at #RNB GLOBAL CITY, GANGANAGAR ROAD, BIKANER as first party

AND

Distribution Licensee (herein after called as BKESL) and represented by ASSISTANT ENGINEER and having its registered office at BKESL, BIKANER as second party of the agreement

And whereas, this Discom agrees to provide grid connectivity to the Eligible Consumer for injection of the electricity generated from his SPV plant of capacity 50KW Kilowatts into the power systems of Discom and as per conditions of this agreement and RERC (Grid Interactive Distributed Renewable Energy Generating Systems) Regulations, 2021 notified by the Rajasthan Electricity Regulatory Commission.

Both the parties hereby agree to as follows:

1. Eligibility

1.1 Eligibility for net metering has been specified in the above said regulations of the Rajasthan Electricity Regulatory Commission. Eligible Consumer has to meet the standards and conditions for being integrated into grid/distribution system.

2. Technical and Interconnection Requirements

2.1 The Eligible Consumer agrees that his Renewable Energy generating system and Net metering system will conform to the standards and requirement specified in RERC (Grid Interactive Distributed Renewable Energy Generating Systems) Regulations, 2021 and in the following Regulations and codes as amended from time to time.

- i. CEA's (Technical standards for connectivity of the Distributed Generating Resources) Regulations, 2013
- ii. Central Electricity Authority (Installation and Operation of Meters Regulations 2006)
- iii. Central Electricity Authority (Measures relating to safety and Electric Supply) Regulations 2010

For RNB Global University



Authorized Signatory



- iv. RERC supply Code Regulations 2021
- 2.2 Eligible Consumer agrees that he has installed or will install, prior to connection of Renewable Energy system to Discom's distribution system, an isolation device (both automatic and inbuilt within inverter and external manual relays) and agrees for the Discom to have access to and operation of this, if required and for repair & maintenance of the distribution system.
- 2.3 Eligible Consumer agrees that in case of a power outage on Discom's system, Renewable Energy system will disconnect/isolate automatically and his plant will not inject power into Licensee's distribution system.
- 2.4 All the equipment connected to distribution system shall be compliant with relevant International (IEEE/IEC) or Indian standards (BIS) and installation of electrical equipment must comply with central Electricity Authority (Measures of safety and Electricity Supply) Regulations, 2010 as amended from time to time.
- 2.5 Eligible Consumer agrees that licensee will specify the interface/interconnection point and metering point.
- 2.6 Eligible Consumer and license agree to comply with the relevant CEA and RERC Regulations and direction as amended from time to time in respect of metering operation and maintenance of the plant, drawing and diagrams, site responsibility schedule, harmonics, synchronization, voltage, frequency, flicker etc.
- 2.7 Due to Discom's obligation to maintain a safe and reliable distribution system, Eligible Consumer agrees that if it is determined by the Discom that Eligible Consumer's Renewable Energy system either causes damage to and/or produces adverse effects affecting other consumers or Discom's assets, Eligible Consumer will have to disconnect Renewable Energy system immediately from the distribution system upon direction from the Discom and correct the problem at his own expense prior to a reconnection.
- 2.8 The consumer shall be solely responsible for any accident to human being/animals whatsoever (fatal/non-fatal/departamental/non-departamental) that may occur due to back feeding from the renewable Energy Generating System when the grid supply is off. The Jodhpur Discom reserves the right to disconnect the consumer's installation at any time in the event of such exigencies to prevent accident or damage to man and material.
3. Clearances and Approvals
- 3.1 The Eligible Consumer shall obtain all the necessary approvals and clearances (environmental and grid connection related) before connecting the Renewable Energy system to the distribution system.
4. Access and Disconnection
- 4.1 Discom shall have access to metering equipment and disconnecting means of the solar Renewable Energy system, both automatic and manual, at all times.
- 4.2 In emergency or outage situation, where there is no access to the disconnecting means, both automatic and manual, such as a switch or breaker, Discom may disconnect service to the premises of the Eligible Consumer.
5. Liabilities
- 5.1 Eligible Consumer and Discom shall indemnify each other for damages or adverse effects from either party's negligence or intentional misconduct in the connection and operation of Renewable Energy system or Discom's distribution system.
- 5.2 Discom and Eligible Consumer shall not be liable to each other for any loss of profits or revenues, business interruption losses, loss of contract or loss of goodwill, or for indirect, consequential, incidental or special damages, including, but not limited to, punitive or exemplary damages, whether any of the said liability, loss or damages arise in contract, or otherwise.
- 5.3 Discom Shall be not liable for delivery or realization by Eligible Consumer for any fiscal or other incentive provided by the central/state Government beyond the scope specified by the commission in its relevant order.
- 5.4 The Discom may consider the quantum of electricity generation from Renewable Energy Generating system under net metering arrangement towards RPO.
- 5.5 The proceeds from CDM benefits shall be retained by the Discom.
6. Commercial Settlement
- 6.1 All the Commercial settlement under this agreement shall follow the RERC (Grid Interactive Distributed Renewable Energy Generating Systems) Regulations, 2021 as amended from time to time.
7. Connection Cost
- 7.1 The Eligible Consumer shall bear all costs related to setting up of Renewable Energy system including metering and interconnection costs. The Eligible Consumer agrees to pay the actual cost of modifications and upgrades to the services line required to connect Renewable Energy system to the grid in case it is required.
8. Termination
- 8.1 The Agreement may be terminated at any time by mutual consent.
- 8.2 Eligible Consumer Shall upon termination of this agreement, disconnect the Renewable Energy system from Discom's distribution system in a timely manner and to Discom's Satisfaction.

In witness whereof Mr

for and on behalf of

(Eligible Consumer) and



In witness, whereof, Mr. _____ for and on behalf of _____ (Eligible Consumer) and
Mr. _____ for and on behalf of BKESL(Discom) sign this agreement in two originals.

Eligible Consumer

Distribution Licensee

Name RNB GLOBAL UNIVERSITY

Address: #RNB GLOBAL CITY, GANGANAGAR ROAD, BIKANER

Service Connection no.310163020825





OFFICE OF THE ASSISTANT ENGINEER (D5, BIKANER)

DS/BKESL/D.501/2012

Date: 18.07.2012

BIKANER ELECTRICITY SUPPLY LIMITED

TO,

RNB GLOBAL UNIVERSITY

RNB GLOBAL CITY, GAN GANAGAR ROAD, BIKANER

BIKANER- 334001

Subject: Regarding NOC to install Ground Mounted solar Power Plant.

Dear Sir,

On the above cited subject, NOC is hereby issued to you for installation rooftop PV solar Plant Provided.

1. The solar power generation & equipment will confirm to the standard and requirement specified in RREC Net metering regulation 2015.
2. Along with the regulation and as per CEA regulation 2013 (For connectivity & 206 (for installation & operation of meters.
3. All the equipment of solar PV power plant should be per-tested by the supplier and test certificate for the concerned equipment shall be furnished BKESL.
4. The interconnection of the roof top PV solar plant with the network of the BKESL should be made as per the technical specification and standard for the connecting under CES regulation 2013.
5. Load/solar capacity- 50 KW
6. Running Connection K.no. 310163020825

ASSISTANT ENGINEER (D5 BIKANER)
BIKANER ELECTRICITY SUPPLY LIMITED



Y DEMAND / ESTIMATE NOTE

er Electricity Supply Limited

(A Franchisee of JdVNL)

of Assistant Engineer (D-5, Bikaner)

: <http://www.cescrajasthan.co.in/>

CESC
RAJASTHAN

Email: bkesl@rpsg.in

Bikaner Electricity Supply Ltd.
A Distribution Franchisee of JdVNL
(CIN: U40100WB2012PLC181372)
Office: BK CD4_COUNTER-3

Date / Time: 20-Jul-22 / 15:44:32
Bill Type: NEW PERMANENT CONNECTION
Receipt No: 50000400105980722
Request No: 31016300038322
Name: RNB GLOBAL UNIVERSITY
Amount: 11000.00
Security Amount (Rs.): 10000.00
Non Security Amount (Rs.): 1000.00
Meter Security (Rs.): 0.00
Payment Mode: Cash

System generated receipt; no signature required
Helpline No: 0141-3532000
Website: <https://cescrajasthan.co.in>
Download CESC Rajasthan RajVidhyut App
Thanks

2022 07 20 15:44:32

183-22

Bill Date : 20-Jul-2022

Due Date : 19-Aug-2022

AR ROAD
ROAD,

Connection Address

RNB GLOBAL CITY, GAN GANAGAR ROAD,
BIKANER 334601
BIKANER-334001
GANAGANAGAR ROAD
BIKANER

N OF LOAD

Character of Supply :

400V

HESTIC HT

Supply Phase :

THREE

.630-00609-

Connection User :

INDIVIDUAL

KNO:

310163020825

Addl. Cont Dmd:

0

Sanc. Conctd Dmd:

225

V(Solar : 50

Total Cont Dmd(KVA):

225

3-22 dated 02/06/2022 for NON-DOMESTIC HT of 400V as
the under signed. In this regard, you are requested to make the
following payment so that we can proceed in this matter.

Primary Demand Details

Description	Charge Amount (₹)	Description	Charge Amount (₹)
Application Fee	1000.00	Miscellaneous Charge	0.00
Security Charge	10000.00	RMU Cost	0.00
Service Charge	0.00	HT Line and S/S Cost	0.00
Meter Box Cost	0.00	LT Line Cost	0.00
Meter Security	0.00	Security of CT PT SET	0.00
Supervision Charge	0.00	Cost of MIP Box	0.00
WC Net Meter Cost	0.00	Metering Kiosk Charge	0.00
11KV CTPT Set Charge	0.00	Total	11000.00
Amount in words :	Eleven Thousand Only		

Yours faithfully,

AEN(D-5, Bikaner)

Application Fee for Solar Load : Rs. 1000 /-, Security for Solar Load : Rs. 10000 /-

Office of Assistant Engineer (D-5, Bikaner)

Request ID :

3101630-00383-22

Name / Address :

Other RNB GLOBAL UNIVERSITY
RNB GLOBAL CITY, GAN GANAGAR
ROAD, BIKANER 334601
BIKANER-334001
GANAGANAGAR ROAD

Total Amt(₹) : 11000.00

Due Date : 19-Aug-2022

628459

BKESL(A Franchisee of JdVNL)



Smiley
face

10.40.16.26.8081/naps/initial_demand_new_add_ina.jsp?0.040RRAJESL...

Scanned with CamScanner



BIKANER ELECTRICITY SUPPLY LIMITED

(A Distribution Franchisee of JVVNL)

<https://cescrajaasthan.co.in>

Helpline 0141-3532000 7230044001, 7230044002

KNO 3101 6302 0825

RNB GLOBAL UNIVERSITY

RNB GLOBAL CITY, GANGANAGAR ROAD, BIKANER 334601

Mob : 7727007035

E-mail : enquiry@rnbglobal.edu.in

Bill Month

FEB-2024

Due Date

22-02-2024

Units

10980

Sub-division :

AEN(D5,BIKANER)

Bill No. :

31016300002004495

Bill Date :

09-02-2024

Service / Bill Status :

Regular / Regular

Bill Period :

1.0000

Previous Payable (₹)	Payment Made (₹) (15/01/2024) (-) 125712	Arrears (₹)	Current Bill (₹)	Adjustment Amt (₹)	Total Payable by Due Date (₹)	Current LPS (₹)	Payable after Due Date (₹)
125712		(=) 0	(+) 156594.93	-6137.12	150458	2890.92	153349

Electricity Bill Details

Amount (₹)



Energy Charge

97173.00

Unit	Rate (₹)	Total (₹)
10980	8.85	97173.00

Fixed / Demand Charges

50625.00

Fuel Surcharge*

7326.00

Electricity Duty

4392.00

Water Conservation Cess

1098.00

Rebate (-) Voltage

-2915.19

Power Factor Surcharge (+)(-)

-3303.88

CT/PT/Meter Rent

2200.00

Binder / Account No:

8445/0001

Tariff Category

NON DOMESTIC

Sanctioned Load

1000.00 KW

Tariff Code

2011

Connected Load

1000.00 KW

Locality

URBAN

Contract Demand KVA

250

Meter Phase / Type

3 / KWH/KVAH/KVA

Avg. Monthly Cnsp (PFY)

14766

Supply Voltage

33000 V

Security Deposit (₹)

20000.00

Metering Voltage

110 V

Consumer PAN

AAACJ8578R

Meter Status

OK

Billing Demand

187.5

Meter Security (₹)

0.00

Feeder Code

11F1081248

Power Factor

0.994

DT Code

Solar Generation

Pole Code

Route Sequence

Bank details for Payment through RTGS / NEFT

Beneficiary / IFSC Code : BkESL / ICIC0000104

Account Number : BKSL310163020825

Sundry Adjustment Code & Description	Amount (Rs.)
054 Interest on security deposit	-850
079 Power Pur. from Solar (SSPVS) Generators (720 units)	-6372
115 ED on solar generation	1272
122 SMALL COIN	-0.47
141 Prompt Payment Incentive 0.15%	-186.65

*FS-FY21-22Q4 @6.07ps 1160 Incl-1990.80/Bare FS-@0.52ps 3335.26,

Meter No	Unit	Current Reading	Current Reading Date	Previous Reading	Previous Reading Date	Reading Difference	MF	Trans. Loss	Unit (MD)
BK041405	KWH	9732.00	01-02-2024	9549.00	01-01-2024	183	60.0	0	10980
BK041405	KVAH	10444.00	01-02-2024	10260.00	01-01-2024	184	60.0	0	11040
BK041405	KVA	0.6800	01-02-2024		01-01-2024		60.0	0.0000	40.8000
BK041405	KWH (E)	288	01-02-2024	276	01-01-2024	12	60	0	720
Solar Mtr 9406723	KWH	5775	01-02-2024	5580	01-01-2024	195	20	0	3900

Last 12 months	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24
Consumption	8340	7140	9540	12780	21120	13620	23760	24360	25560	18000	10320	8340

Assistant Revenue Officer of sub-division D5 Mr. Deepak Choudhary (Mob: 9116155024) is your Customer Account Manager.

This is computer generated invoice no signature required (CSC)

विद्युत बिल का भुगतान डिजिटल माध्यम से करें

₹20,000/- से अधिक का भुगतान
डिजिटल माध्यम से करना आदेशानुसार अनिवार्य है।

भुगतान केवल बिल के पीछे दर्शाये गये माध्यम से ही करें।

⚠️ कपटपूर्ण संदेशों से सावधान रहें! ⚠️

हम हमेशा,

• भुगतान करते समय आपसे कभी भी अपने मोबाईल / लैपटॉप की स्क्रीन साझा करने के लिए नहीं कहेंगे।

आपकी की सुरक्षा हमारी सर्वोच्च प्राथमिकता है।

• आपसे अपना पासवर्ड, भुगतान ओटीपी या बैंक विवरण साझा करने के लिए कभी नहीं कहेंगे।

• केवल अधिकृत भुगतान के तरीके का उपयोग करने के लिए कहेंगे।

BIKANER ELECTRICITY SUPPLY LIMITED

(A Distribution Franchisee of JVN Ltd.)

<https://ceserajasthan.co.in>

CESC
RAJASTHAN

Email: bkesl@rpsg.in

CIN: U40100WB2012PLC181372

Helpline 0141-3532000 7230044001, 7230044002

KNO 3101 6302 0825

RNB GLOBAL UNIVERSITY

RNB GLOBAL CITY, GANGANAGAR ROAD, BIKANER 334601

Mob: 7272007035

E-mail: enquiry@rnbglobal.edu.in

Bill Month

AUG-2022

Due Date

25-08-2022

Units

18300

Sub-division :

AEN(D5, BIKANER)

Bill No. :

3101630001672542

Bill Date :

14-08-2022

Service / Bill Status :

Regular / Regular

Bill Period :

1.0000

Previous Payable (₹)

227235

Payment Made (₹)

(19-08-2022)

(-) 227235

Arrears (₹)

(=) 0

Current Bill (₹)

(+) 219588.02

Total Payable by

Due Date (₹)

219588

Current EPS (₹)

4170.86

Payable after

₹

223759

Electricity Bill Details

Energy Charge

Amount (₹)

161955.00

Unit

Rate (₹)

Total (₹)

18300

8.85

161955.00

Fixed / Demand Charges

45562.50

Fuel Surcharge*

4413.00

Electricity Duty

7320.00

Water Conservation Cess

1830.00

Urban Cess

2745.00

Rebate (-) Voltage

-4858.65

Power Factor Surcharge (+)(-)

-728.80

CT/PT/Meter Rent

2200.00



Meter / Account No. 84450001
 Sanctioned Load 1000.00 KW
 Connected Load 1000.00 KW
 Contract Demand KVA 225
 Avg. Monthly Cusp (PF) 2422
 Security Deposit (₹) 10000
 Consumer PAN AACS578R
 Billing Demand 168.75
 Feeder Code 11F1631248
 DT Code
 Pole Code
 Tariff Category NON DOMESTIC
 Tariff Code 2011XA
 Locality URBAN
 Meter Phase Type 3 KW/KVA/KVA
 Meter Voltage 33000 V
 Metering Voltage 110 V
 Meter Status OK
 Meter Security (₹) 0.00
 Power Factor 0.959
 Solar Generation
 Route Sequence

Bank details for Payment through RTGS / NEFT

Beneficiary / IFSC Code : BKSL / ICIC0000104

Account Number : BKSL310163020825

Sundry Adjustment Code & Description

Amount (Rs.)

034 Interest on security deposit -850
 122 SMALL COIN -0.03

Sub-Total

220438.05

Sundry Adjustment

-850.03

Current Bill

219588.02

Power Pur. from Solar gen (240) kWh → 2124 ₹

→ 217464 ₹

*FS:PV18-19Q1 @0.05p/kWh=4413.00

Meter No.	Unit	Current Reading	Current Reading Date	Previous Reading	Previous Reading Date	Reading Difference	Max. Load (Amps)	Max. Load (KVA)	Max. Load (KW)
BK041405	KWH	3319.00	01-08-2022	5014.00	01-07-2022	1695.00	18300	18300	18300
BK041405	KVAH	5912.00	01-08-2022	5594.00	01-07-2022	318	60.0	0	19080
BK041405	KVA	2.2000	01-08-2022		01-07-2022	60.0	60.0	0.0000	132.0000
Export	kWh	4		0		4			240.

Last 12 months Consumption	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22
	7260	7860	6660	6180	8460	9120	5820	8160	11460	20280	25740	19200

Assistant Revenue Officer of sub-division D5 Mr. Deepak Choudhary (Mob: 9116155024) is your Customer Account Manager.

This is computer generated invoice no signature required (CAO)

विज्ञापन के लिए सम्पर्क करें bkesl@rpsg.in

कृपया ध्यान दें

राजस्थान विपुल बिजलीयामक आयोग के आदेशानुसार आपको अपना मोबाईल नं. एवं ईमेल आईडी रजिस्टर (अपडेट) करना है। कृपया नीचे दर्शाये गये रिक्त स्थानों में अपना मोबाईल नं. और ईमेल आईडी लिखकर हमारे बिल भुगतान केन्द्र/आपका सेवा केन्द्र/ऊपर दर्शाये गये प्लेटफॉर्म नंबर पर भेजें।

के. नंबर

नाम

मोबाईल नं.

ईमेल आईडी

Download RajVidyut App from Google Play Store

Toll Free 1800-102-1912, 1800-209-1912



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