

Index

7.1.3 : Alternate energy initiatives

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7.1.3. Alternate Energy initiatives

It is the need of hour to reduce the burden on the planet earth for energy requirements which generated from the conventional energy methods. The conventional energy generation methods are polluting the environment and depleting the natural resources, which are already scarce, at a faster rate than before. Now it is in the best interest of humanity to search and tap alternative energy resources which are green and efficient. Institute is very sensitive to energy issues and responded to it positively. Institute has installed Solar Panel as an alternate energy initiative in the academic year 2017-2018. The daily generation report is attached as a proof. The total power consumption is calculated based on the attached monthly bill.





Solar

METER / C. T. INSTALLATION / CHANGE / REMOVAL REPORT & NOTICE

Ref. No: LTD-07

Date: 26-10-2017

Contract Account No: 151613244

MRU No: B-01

Name: M/S Society of Francis Xavier

Order No: 1022401553

Address: Trompsburg Building, 1112 V

No. Tailorland and Band Stand 2-3

Dear Customer, Road Bandora (W)

This is to bring to your notice that following activity carried out at your premise:



Installation: NEW / EOL / ROL / CHECK METER
 Replacement: ROUTINE / STOPPED / NO DISPLAY / FAULTY / BURNT / DISPUTED / UNDER RECORDING / OTHER
 Removal: SURRENDER / IDLE / TMR / NON-PAYMENT

Net

Solar

Details:		Old (Removed)				New (Installed)			
Meter Details	Meter No.	1987233				9073697			
	Type	E3755				E3755			
	Size	540A				20-100A			
CT Details	Phase	R	Y	B	N	R	Y	B	N
	Make	AECO							
	Type	RING							
	Ratio	100155/0155/0155							
	Sr. Nos.	AFC13-04001							
Readings	kWH	00				00			
	kVA(06-22Hrs.)	00				00			
	kVARH	00				00			
kWH	TOD 01(06-09Hrs)	00				00			
	TOD 02 (09-12 Hrs)	00				00			
	TOD 03 (12-18 Hrs)	00				00			
	TOD 04 (18-22 Hrs)	00				00			
	TOD 05 (22-06 Hrs)	00				00			
	kVA (22-06Hrs)	00				00			
	kW (24 Hrs.)	00				00			
	kVA (24 Hrs)	00				00			
Seal Details	Meter Terminal seal	12251211/12251212				12669594/95			
	GUICORTS Seal								

In case of any queries, you may contact Mr. V. Borkar

Prepared By		Acknowledged By	
Signature		Signature	
Name of Person	<u>R.M. Mohale</u>	Name of Person	<u>V. Borkar</u>
Designation	<u>Supervisor</u>	Tel No.	<u>9821540554</u>
Pay Roll No	<u>110022321</u>	Date & Time	<u>26/10/17</u>



DESIGN, CONSTRUCTION, INSPECTION, TESTING, COMMISSIONING & HANDOVER REPORT

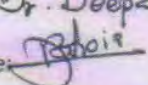
Site Location	Fr. Conceicao Rodrigues College of Engg., Fr. Agnel Ashram, Bullock Road, Bandstand, Bandra West, Mumbai 400 050, Maharashtra, India. Email : bhoir@fragnel.edu.in Phone # 022-6711 4000
Site Contact Persons & details	Dr. Deepak Bhoir (HoD), Mob. # 98694 33765 Prof. Mahesh Sharma (TPO), Mob. # 99698 13735 Dr. Srija Unnikrishnan (Principal)
Certificate Reference No.	COMSREP/FRCOE/SPV/40KW/OCT17

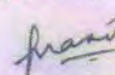
Solar PV details		
1.	PV Plant (Array) size	40KWp
2.	PV module make & model	VIKRAM SOLAR 320
3.	PV module capacity	320Wp x 125nos.
4.	PV module string size	08 nos.
5.	Manufacturer Product warranty	12 years
6.	Manufacturer Linear Efficiency warranty	25 years

Solar Inverter details		
7.	Solar Inverter make	SMA-ZEVER
8.	Solar Inverter model	ZEVERLUTION PRO 33K String Inverter with ZeverCom Wi-Fi device
9.	Solar Inverter Serial No. / Monitor Serial No.	ZP033K6011650042 / EAB971740536
10.	Solar Inverter capacity	33KWp x 01 nos.
11.	No. of DC inputs (MPPTs)	04 nos.
12.	Manufacturer warranty	05 years

Balance of System (BoS) details		
13.	Solar DCDB (Fuses/SPD/Isolators etc)	Solstrom Energy
14.	Solar ACDB (Fuses/SPD/Isolators etc)	Solstrom Energy
15.	Module Mounting Structure (MMS)	Anodised Aluminium on Sloping Roof + Metal structure with Galvanic coating
16.	Lightening Arrestor (L.A.)	Pure Copper rod mounted on GI strip/wire
17.	Solar DC Cabling	Unicab by Apar Industries
18.	Solar DC Earthing	Local pit
19.	Solar AC Cabling	Polycab Industries
20.	Solar AC Earthing	Local pit
21.	Distribution Company (DISCOM) / NetMetering Details	RELIANCE ENERGY - Consumer A/c. No. 151613244 Meter No. L987233

The above mentioned Solar PV Plant has been Commissioned & Delivered/Handed-over to us effective **26-OCTOBER-2017**.

Name : Dr. Deepak V. Bhoir
Signature: 
Date : 22/02/2019
(For Fr. Conceicao Rodrigues College of Engg., Bandra)

Name : PRASAD KULKARNI
Signature: 
Date : 19/2/19
(For BigSwitch India)



For all bank
refer Solar

To,
M/s. Big Switch India
91, Laxmi Industrial Estate, New Link Road,
Versova, Andheri West, Mumbai - 400 053
Tel No: 9821540553
Email: prasad@bigswitchindia.com

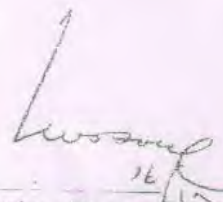

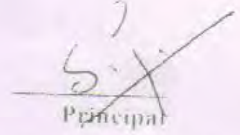
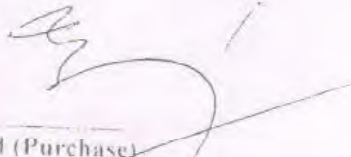
PURCHASE ORDER
PO No.:- 2017-18/CRCE/18 Rev. 1
Date:- 15-05-2017 (Rev. 01)
Indent No.:- 12543
Indent Received Dt.:- 18-05-2017
Department:- CRCE

With reference to your quotation/Invoice No. Email Dated 12/05/2017 please supply the following material/services as per terms and conditions given below.

Sr. No.	Descriptions	Unit	Qty.	Rate (Rs.)	Total (Rs.)
1	Providing Erecting, Testing & Commissioning of a 40 KW ON-GRID Roof Top Solar PV	Nos.	1	2760000.00	2760000.00
2	Removing & Replacing the existing shed over our 'SAMVAD' auditorium & provide punctureless supporting structure for solar PV rooftop which shall also double-up as soundproof & waterproof structure	Nos.	1	492000.00	492000.00
<p><i>Revised for work - 2 ac up - 12.5% of total</i></p>					
<p>The details are as per your quote, subsequent discussion, Terms of reference and scope of work.</p>					
1	Warranty: Solar - Performance warranty - 25 Years Inverters - 5 Years Other Equipments - 1 Year			Sub Total	3252000.00
2	AMC Charges - 5 years AMC charges are included in the project cost. (Repair & Spares charged extra) AMC charges beyond 5 years will be 0.5% of the project cost, or as applicable on a Non Comprehensive basis.				
Encl:	Annexure 1: Terms of Reference & Scope of Work Annexure 2: Specification sheet for major inputs				
Part supplies are ALLOWED / NOT-ALLOWED					
Materials & Services should be delivered/provided to our store/complex between 9:00 A.M. and 1:00 P.M. on all working days. No supply services will be accepted if delivered on a weekly off day or on a holiday. Exceptions to this should be intimated to us in writing well in advance.					
Total					3252000.00

- Price : FOR Bandra
- Excise Duty : Inclusive if any
- Sales/Service Tax : All Inclusive.
- Octroi : Inclusive if any
- Delivery : Immediate
- Payment Terms : Advance 25% of order value upon submission of a Bank Guarantee
 - I Stage : 35% upon starting the work. (Please provide a Proforma Invoice)
 - II Stage : 30% after completion of job. (Please provide a Proforma Invoice)
 - III Stage : 5% on commissioning of job. (Please provide a Commissioning Report)
 - IV Stage : 5% Retention for 1 Month & paid thereafter

6/5/17
SF ✓
ACCES ✓
AUDIT ✓
STORES ✓
VIDYAV

 Superior Director
  Financial Controller
  Principal
  Head (Purchase)



CRCE

adani
Electricity

BILL OF SUPPLY PUBLIC SERVICE OTHER

SUPERIOR CHAIRMAN
SOC. OF ST. FRANCIS XAVIER BELLAR-INDIA
AGNEL
ASHRAM BAND STAND BANDRA (WEST)
NFARTA HILAND HOTEL
MUMBAI 400050

Mobile No. 9967442617
Email ID: rajnulye64@gmail.com
PAN: AABTS91B2Q
GSTIN:

To update your email ID and mobile no. call us on 19122 or 1800 200 3030

24x7 Powerline
19122 We're listening.

For power interruption, complaint or restoration status
SMS POWER <9 digit account no.> to 7065313030 from any mobile no.
Give us a missed call on 1800 532 9998 from your registered mobile no.
For other queries: WhatsApp on 9022 81 3030 (8am to 8pm)

CUSTOMER CARE CENTRE/ INTERNAL GRIEVANCE REDRESSAL CELL (IGRC)
RNA Corporate Park, Old Kalamandir, Near Collector's Office, Bandra (E), Mumbai - 400 051
Fax: 3009 6263 • Email: helpdesk.mumbai@adani.com

www.adanielectricity.com
helpdesk@adanielectricity.com
Join us on,
f t+ /adanielectricity

Bill No. 100278600483 Bill Date 10-12-2018 Cycle No. 33 Tariff LT IX (B)
Bill Distribution No. SOUTH/SZ1-BANDRA-JUHU/33/B01 Type of Supply LT

* electricity bill neither reflects a title nor is to be used as proof of any property or premises.

ACCOUNT NO.
102690881

BILL MONTH
NOV-18

DUE DATE*
31-12-2018

TRACK YOUR CONSUMPTION (UNITS)

	OCT-18	22022
	SEP-18	16967
	AUG-18	19688
	JUL-18	18273
	JUN-18	13850
	MAY-18	17983
	APR-18	24404
	MAR-18	26399
	FEB-18	18922
	JAN-18	20608
	DEC-17	12593

IMPORTANT MESSAGE

You have opted to receive bills via email. We will be paid automatically as per the bill amount. If you wish to opt out, please call 19122 or 1800 200 3030.

Calculation method for power factor is based as per MERC order dated 12-2-2018 (cases no. 2007/2017). If you wish to opt out, please call 19122 or 1800 200 3030. We have above for correct meter reading. Meter reading as on 01-12-2018 will be considered for metering 10-12-2018 bill.

Please email us your GSTIN number to helpdesk@mumbai.adani.com or call 19122 or 1800 200 3030 with copies of your GSTIN certificate.

DUE AMOUNT
163380.00*

NEW Avail 0.25% discount (up to ₹ 500/-) on monthly bill amount (excluding taxes and duties) by paying digitally. Applicable to all LT categories only.

DISCOUNTED BILL AMOUNT
Round sum bill payable (after discount b/f ₹ 1326.22) on or before discount date 17-12-2018 ₹ 162050.00

LATE PAYMENT BILL AMOUNT
Round sum bill payable (including DPC of ₹ 2048.34) after due date ₹ 165430.00#

*Refers only to current bill amount. Previous balance is payable immediately.
#Payable until one month after due date, thereafter interest applicable as per MERC tariff order.

Rajiv Nakhare
Group Business Head

adani

Signature
14/12/18

Paytm CASHBACK

Pay your Electricity Bill on Paytm. Get up to ₹300 Cashback!

To Pay, Scan QR Code in Paytm App

Multiple Payment Modes Available
Paytm Wallet • Bhim UPI • Debit Card • Net Banking • Credit Card

Please quote your account no. 102690881 cycle no. 33 and bank no. 001 in all your correspondence.
Abb: In receipt 'Q' for cheque 'C' for cash & B/E.
CSD/106/2018/3119/18 dated 10.08.2018

If paying by cheque, please remember:
• Cheque should be Account Payee of local clearing and not post-dated
• Always attach payment slip. Do not staple.
• Cheque should be payable through local clearing
• Make cheque payable to Adani Electricity Mumbai Ltd, A/C No. : 102690881
• Always attach payment slip. Do not staple

LT#2
0102690881300163380311220180016543000016205017122018
Ref. No. : X35128-42
b/f(₹) : 7.15

Round sum payable : ₹ 163380.00
Discounted amount (Round sum) : ₹ 162050.00
Amount after due date (Round sum) : ₹ 165430.00
Due date : 31-12-2018
Discount date : 17-12-2018

NOV-18/102690881

33/801

Regd. Office CTS 407A (New), 40B Old Village Eksar Devidas Lane, Off SVP Road Near Devidas Lane, Telephone Exchange Borivall (West), Mumbai 400103
 CIN U74999MH2008PLC186877 PAN AADCD0086F GSTN 27AADCD086F21Y

HOW YOUR BILL WAS CALCULATED	RATE/TARIFF	INR (₹)
Electrical Energy (HSN Code 27160000)		
Demand/fixed charge		330.00
Wiring Charges		24007.40
Regulatory Asset Charge		6072.46
Energy Charge		91086.90
TOD 9 Hrs to 12 Hrs energy charge		1637.00
TOD 18 Hrs to 22 Hrs energy charge		1475.00
TOD 22 Hrs to 06 Hrs energy charge		1767.75
Fuel Adj Chg. (FAC) #	69.26p/unit	9780.90
Penalty for exceeding contract demand		0.00
Power factor (PF) penalty/incentive		0.00
Government Electricity Duty	21.00%	27850.60
Mah.Govt.Tax on sale of electricity	24.04p/unit	3394.93
Current month's bill amount (A)		163867.44
Others/Load factor incentive		0.00
Delayed Payment Charge (DPC) levied		0.00
Digital Payment Discount		491.17
Interest on arrears		0.00
Adjustments		0.00
Net other charges in current bill (B)		491.17
Total current month charges (A+B)		163376.27
Previous month's bill amount		242627.15
Payment received up to 14-11-2018		240655.32
Prompt payment discount		1964.68
Net previous balance (C)		7.15
Total bill amount (A+B+C)		163383.42
Amount deferred		0.00
DPC payable after due date		2048.34
Total bill amount with DPC		165431.76

PFMC is being included in your monthly charges in accordance with MRRC (MYS) 3rd Amendment Regulation 2014 dated 8th May 2014

Meter reading date	30-11-2018	Demand for penalty	0.00KVA
Previous meter reading date	31-10-2018	Load factor	0.0000%
Contract Demand	210.00KVA	Power factor	94.10% Lag

Your security deposit (SD) with us	₹28730.00
Your unpaid security deposit (SD)	

YOUR CURRENT CONSUMPTION				TOTAL
Meter Details	Meter No.	9007757 L985576		
	Multiplying Factor	1	20	
Energy consumption	Reading	Present	98423.50	16345.38
		Previous	94758.10	15822.54
	Consumption (kWh)		3665	10456
TOD energy consumption (09:00 Hrs to 12:00 Hrs)	Reading	Present	31628.10	4191.50
		Previous	30479.40	4085.24
	Consumption (kWh)		1148	2125
TOD energy consumption (18:00 Hrs to 22:00 Hrs)	Reading	Present	3749.00	1428.98
		Previous	3569.50	1364.19
	Consumption (kWh)		179	1295
TOD energy consumption (22:00 Hrs to 06:00 Hrs)	Reading	Present	5870.00	2577.88
		Previous	5643.40	2471.35
	Consumption (kWh)		226	2130
Max. demand (Recorded between 06:00 Hrs to 22:00 Hrs)	Reading		33.880	3.828
	(MD)(kVA)		33.88	76.56
Max. demand (Recorded between 22:00 Hrs to 06:00 Hrs)	Reading		33.880	3.828
	(MD)(kVA)		33.88	76.56
Reactive energy consumption	Reading	Present	37703.50	4693.43
		Previous	36302.20	4510.34
	RKVAH		1401	3661
Reactive energy consumption (Load)	Reading	Present	439.80	1.27
		Previous	428.60	1.27
	RKVAH load		11	

X351128-42

You can use RTGS/NEFT via netbanking for bill payments every month
ADD US AS A PAYEE FOR NEW ACCOUNT
 (No need to change the existing accounts)
Payee Account No. EPAEML102690881
Payee Name ADANI ELECTRICITY MUMBAI LIMITED
Bank Name HDFC Bank Ltd.
Branch Name Kanjurmarg Branch, Mumbai
IFSC HDFC0004989 Account Type Current
 You can also pay online at www.adanilectricity.com

If paying by cheque, please remember:
 * Cheque should be Account Payee of local clearing and not post-dated.
 * Always attach payment slip. Do not staple.
 * Mention A/c No. and respective amount on back of the cheque, when making multiple bill payments by single cheque.
 * Make cheque payable to Adani Electricity Mumbai Ltd. A/C No.: 102690881
 * Cheque payment subject to realization, any dishonored cheque will
 - Result in payment of bills by DD for subsequent 3 months
 - Attract a penal amount of ₹ 250 per bill
 You can also pay your bills using www.adanilectricity.com PayPoint outlets

Consumer Grievance Redressal Forum (CGRF)
 Only for grievances unresolved by IGRC, reach Consumer Grievance Redressal Forum at Adani Electricity, 1st Floor, Devidas Lane, Off SVP Road, Near Devidas Lane Telephone Exchange, Borivall West, Mumbai 400 103
 T 3009 4247 E consumerforum.mumbalelectricity@adani.com
 W cgfrf.adanilectricity.com

TARRIF STRUCTURE (Effective from 01.09.2018)

Tariff Category	Fixed Demand Charge	Energy Charge	Wiring Charge	RA Charge
	₹/Month	₹/Unit	₹/Unit	₹/Unit
All units TOD tariffs in addition to above base tariffs	330	6.45	1.70	0.43
0600-0900 Hrs		0.00		
0900-1200 Hrs		0.50		
1200-1800 Hrs		0.00		
1800-2200 Hrs		1.00		
2200-0600 Hrs		-0.75		

Electricity Duty as per Gov. Of Maharashtra Notification No. ELD 2015/CR2/UnCR-1 of 12-01-2015. Tax on bill of electricity as per Gov. of Maharashtra Notification No. SSP-2015/CR-48/NR-1 of 23-04-2015.



Pay your Electricity Bill on Paytm in 3 easy steps!



1. Open the Paytm App, tap on Scan or Pay to scan this QR code



2. Enter your Consumer Account Number & tap on Proceed To Pay



3. To make payment, choose Paytm Wallet, Credit or Debit Card, Net Banking & click Proceed

> Solar Power Generation Statistics

Fr.CRCE 40KWp On-Grid Solar PV, BandStand, Bandra West, Mumbai 400050, INDIA Overview Update Time: 2019-05-18 18:15:03



Power

2.55 kW



E-Today

120.2 kWh



E-Total

51.96 MWh



CO2 Avoided

41.57 T



Total Income

587477.0 Rs.

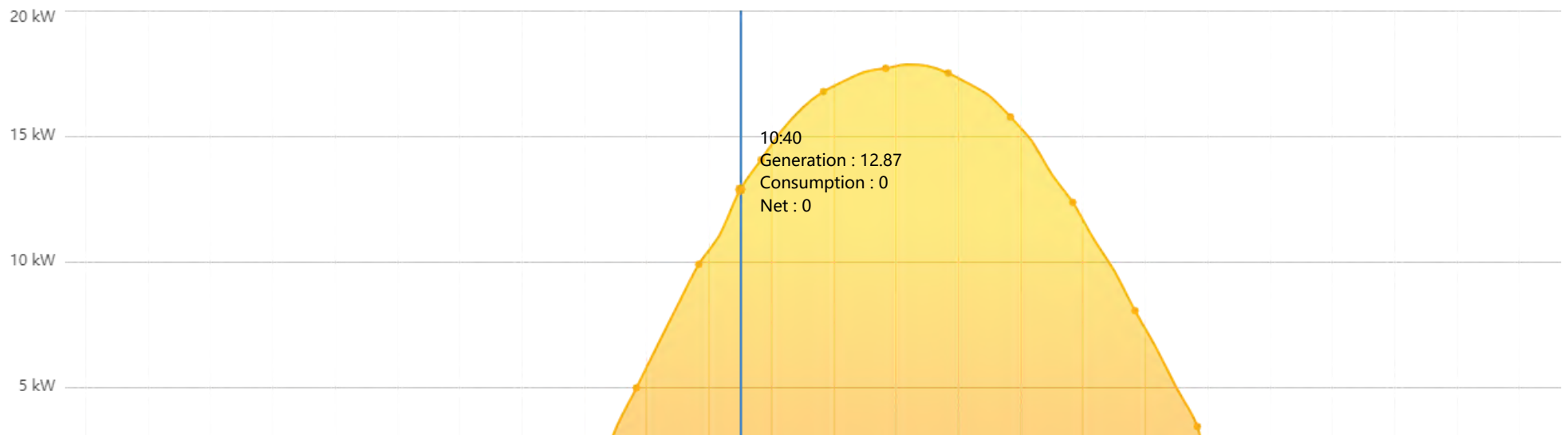


Real-time weather

N/A

Day Daily Monthly Annual Annual Yield




< 2019-05-18 >





Status	Alias	Pac(kW)	E-Today(kWh)	E-Total(MWh)	%(E-Today)
	ZP033K6011650042	2.547	120.2	54.814	100.0

Tips

-  Online .
-  Uploading Data .
-  Offline .