Details of 100 KW Solar power system installed in the College.

Solar panels installed on college building's roof.

Inverters for Solar panels.

Quotation

THE SOLARWALE
plug-in to the sun

Quotation To:
Mr. Arvind Gupta Ji
Dolphin Institute of Medical Sciences, Dehradun, Uttarakhand
gupta.anshu1993@outlook.com
9560428028

Date: May 17, 2017
Quotation #: 1072
Valid Until: June 1, 2017
Prepared by: Vivek Solanki
Ref. #: Mr. Anshu Gupta
Site at: Dehradun
kW: 100

Quotation For: Solar PV System, Grid Tie

S. NO.	DESCRIPTION	UNIT	RATE	AMOUNT
1	50 kW grid Tied Inverter, Delta	2	396,000.00	792,000.00
2	PV Module, 310 W, Waaree / Enkay	324	11,340.00	3,674,160.00
3	Wire, Solar DC (4 Sq. MM, Meter)	2000	36.00	72,000.00
4	AC Cable 4 Core(16 Sq. MM,Meter)	400	80.00	32,000.00
5	MC4 Connectors (Pair)	500	60.00	30,000.00
6	Cables Clips, Ties, Thimbles, Nuts & Bolts Set	100	2,500.00	250,000.00
7	Mounting Structure, GI	162	2,815.00	456,030.00
8	Ballast	972	300.00	291,600.00
9	AJB	10	15,000.00	150,000.00
10	ACDB	1	74,000.00	74,000.00
11	Lightning protection system	3	108,000.00	324,000.00
12	Earthing kit with strips	5	24,000.00	120,000.00
	JOBWORK			-
1	Installation (including all related supplies)	100	4,000.00	400,000.00
				-
			TOTAL	6,665,790.00
			VAT @ 5.00%	313,289.50
			CST @ 2.00%	-
			Service Tax @ 15.00%	60,000.00
			GRAND TOTAL	7,039,079.50

Total Amount In Words:
Rupees Seventy lakh thirty nine thousand and seventy nine only

Terms and Conditions:

1.	PAYMENT TERMS	As per proposal letter
2.	DELIVERY TIME	As per proposal letter
3.	FREIGHT	Extra at Actual
4.	WARRANTY	
	Construction	2 Years
	Inverter	5 Years
	Structure	2 Years
	Wires	5 Years
	BOM	2 Years
	Module	10+15 Years
	Battery	-
	LED/Luminary	-
5.	INSTALLATION TIME	60 days

Thanking you, assuring you of our best support ever...

info@thesolarwale.com | thesolarwale.com | Toll Free : 1800 1200 699
Green Solarwale India Pvt. Ltd. | 2057, Swarn Park Industrial Area, Mundka, Delhi - 110041, INDIA

THE SOLARWALE
...plug-in to the sun

Green Solarwale India Pvt. Ltd.
2057, Swarn Park Industrial Area
Mundka, Delhi-110041
Info@thesolarwale.com

To
Mr. Arvind Gupta Ji
Founding Director
Dolphin Institute of Medical Sciences
Dehradun, Uttarakhand

Date: 20 May 2017

Subject: Proposal Letter for Installation of 100 kw Solar PV Grid Tie System

Respected Sir,
We are pleased to receive your consent for Installation of 100 kw Solar PV Grid Tie System at Dolphin Institute of Medical Sciences, Dehradun, Uttarakhand. We would like to highlight some discussed points and want to specify the **Scope of Work** with **Terms & Conditions** involved in this project.

- Project Cost is Rs. 70, 39,079.00 (incl. all taxes)
- Net Project Cost after Subsidy to Paid by Dolphin Institute of Medical SciencesAmount will be **Rs. 24,63,677.00** (incl. all taxes)
- The Total Net Payable Amount will be paid in 3 installments:
  a. 10% Advance, Booking Amount
  b. 80% at time of Material Dispatch
  c. 10% within a week after Successfully Installation & Commissioning of Solar PV Plant
- We will Sync the PV System with DG Set.
- Transformer, if Required will be under scope of Dolphin Institute of Medical Sciences
- Documentation for Subsidy will be under our scope, "The Solarwale"
- Documentation for Net Metering, its Fees etc. will be under scope of Dolphin Institute of Medical Sciences, any how we will assist them in whole process and procedures
- Time Duration for Installation & Commissioning of Solar PV Plant will be 60 Days from issue of Work Order along with advance payment.
- IRR Calculator is here attached with, tentative IRR is 3 Years

The customer satisfaction is what we starve for!
Please find attached Documents:

1. Commercial Quotation with BOM
2. Annual Production Report
3. Shading Report
4. IRR

Thanks & Regards,
Sandeep Vig
+919810644555

UTTRAKAND POWER CORPORATION LTD.

(A. Govt. of Uttrakhand Undertaking)

OFFICE OF THE EXECUTIVE ENGINEER
ELECTRICITY DISTRIBUTION DIVISION (R)
359/2, DHARAMPUR DEHRADUN- 248001
Phone – (0135) 2679495

कार्यालय अधिशासी अभियन्ता
विद्युत वितरण खण्ड (रायपुर)
359/2 धर्मपुर देहरादून–248001
फोन – (0135) 2679495

No. 855 - EDD(R)/ UPCL/ Date -- 15/2/18

विषयः— **NOC for Net Metering of Solar Rooftop Power Plant.**

अधिशासी अभियन्ता,
विद्युत वितरण खण्ड,
मोहनपुर, देहरादून।

उपरोक्त विषयक आपको निम्नलेखित 03 नं0 Net Metering of Solar Rooftop Power Paint के आवेदन पत्र जोकि निदेशक(परिचालन), के पत्रांक 182, 186, 193/प्रा0नि0/उपाकालि/यू–3 दिनांक 11.01.2018 के द्वारा इस कार्यालय मे प्राप्त हुये है को मूल रूप में इस आशय के साथ प्रेषित किये जा रहे है कि चूंकि सम्बन्धित उपभोक्ता आपके खण्ड के अन्तर्गत आते है, अतः तद्नुसार आवश्यक कार्यवाही सुनिश्चित करते हुए कृत कार्यवाही से सम्बन्धित एवं निदेशक(परिचालन) महोदय को भी उनके उपरोक्त सन्दर्भित पत्रांकों के सम्बन्ध में अवगत कराने की कृपा करे :–

S.No.	Name & Address	Capacity(KW)	Registration No Allotted by UREDA
1	Minerva Institute of Management & Technology, D.Dun	20	84/SECL/20/2017
2	Javed Ul Haque,	3	87/SECL/03/2017
3	Dolphin Educational Society of India, D.Dun	100	86/SECL/100/2017

संलग्नकः–उपरोक्तानुसार(03 नं0 आवेदन पत्र मूल रूप में)।

(अरविन्द कुमार)
अधिशासी अभियन्ता।

पत्रांक.....नि0वि0ख(रा0)/तद्दिनांक.....

प्रतिलिपि निदेशक(परिचालन), उपाकालि0, वि0क0वि0, गबर सिंह ऊर्जा भवन, कांवली रोड़, देहरादून को उनके उपरोक्त सन्दर्भित पत्रांको के सम्बन्ध में सूचनार्थ प्रेषित।

(अरविन्द कुमार)
अधिशासी अभियन्ता।

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UTTARAKHAND POWER CORPORATION LTD

(A Govt. of Uttarakhand Undertaking)

OFFICE OF THE EXECUTIVE ENGINEER
ELECTRICITY DISTRIBUTION DIVISION (M)
33/11 KV SUB STATION, SELAQUI-248011
Email eddmohanpur@gmail.com

कार्यालय अधिशासी अभियन्ता
विद्युत वितरण खण्ड (मोहनपुर)
33/11 केवी उपकेन्द्र, सेलाकुई-248011
0135 2699955

No: /EDD(Mohanpur)/ UPCL/ NOC Date: 28/3/18

No Objection Certificate
(For projects under CAPEX/RESCO model allotted by SECI)

Uttarakhand Renewable Energy Development Agency (UREDA) is a state Nodal Agency (SNA) of Ministry of New and Renewable Energy (MNRE), GoI for deployment of renewable energy projects in the State and is also the nodal agency for implementation of Uttarakhand solar power policy – 2013. UREDA vide its letter No- 2340/UREDA/03-SPV-44/ Grid Connected Rooftop SPP/SECI/2016-17, Dated – 04-01-2018 has requested UPCL for providing the grid feasibility report and permission for net metering of following solar power project-

S.no.	Particulars	Details
1	Capacity of the proposed grid connected Rooftop solar power project (in Kw)	100 kWp
2	Name of beneficiary/ applicant/eligible consumer	M/s Dolphin Educations Society of India,
3	Proposed Project location(full address)	Manduwala, Dehradun, Uttarakhand
4	Electricity connection No.	KNO-1497
5	Contract load as Sanctioned by UPCL	100 KVA
6	Projects as allowed under SECI Scheme in Uttarakhand	
A	Name of Vendor (As allowed by SECI in Uttarakhand under its Grid connected Rooftop solar Tender from time to time)	Boond Engineering & Development Pvt. Limited
B	Project selected under model (CAPEX/RESCO)	CAPEX

After the inspection of the proposed sites, UPCL hereby allows the above said project to interconnect with UPCL from nt HT line(11 KV) emanating from to 100 kVA DTR connected to 11kV Bhauwala feeder from 33/11 kV Selaqui S/s subject to the following conditions:

1. The project should fulfil the criteria of Captive Power Plant as defined in the Electricity Rules 2005 notified under the Electricity Act, 2003.
2. The project shall be allowed connectivity with the grid in accordance with UERC (State Grid Code) Regulation, 2016 as amended from time to time.
3. In the interconnection of rooftop PV solar energy generator with the UPCL's grid , the relevant provisions of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulation, 2010 Safety Rules as specified State government from time to time shall apply.
4. The solar energy generator (beneficiary/applicant / eligible consumer) shall be responsible for safe operation, maintenance and rectification of defect of the system up to the the interconnection point beyond which the responsibility of safe operation, maintenance and rectification of any defect in the system including the net meter shall rest with the distribution licensee.
5. The eligible consumer shall be solely responsible for any incidents/ accident to human being/animals whatsoever (fatal/non-fatal/departmental/non-departmental/damages to material of the licensee) that may occur due to any human being/animals in case of such incidents/accidents. The distribution licensee 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.
6. The metering of the project shall comply with the CEA (Installation and Operation of Meters) Regulations, 2006 as amended from time. All the expenditures and charges involved against the purchase of meter, meter testing, switch gear, protection arrangement, grid synchronization etc shall be borne by concerned beneficiary/ applicant/ eligible consumer.
7. The net- metering of energy should be done in accordance with billing cycle provided in the Regulation. If in a billing period the supplied energy by the licensee is less than the energy injected by the rooftop solar PV sources of the beneficiary, than the excess energy injected into the grid would be deemed to be injected free of cost. If the beneficiary draws excess energy form the grid in a billings period than the beneficiary would pay UPCL as per prevalent tariff/ rated applicable on such category of consumers.
8. (a) The eligible consumers shall be exempted from payment of monthly minimum charges of monthly minimum consumption guarantee charges equivalent to the capacity of rooftop solar PV source installed.
(b) With regard to payment/exemption of open access charges including surcharges shall be levied as per UERC (Terms & Conditions of Intra-state open Access) Regulations, 2015 as amended from time to time.

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Principal
Dolphin (P.G.) Institute of
Bio-Medical & Natural Sciences,
Manduwala, Dehra Dun