



Annexure-V (B)

उत्तर प्रदेश UTTAR PRADESH

Inter connection agreement (Net Metering Arrangement)

EB 926268

This Agreement is made and entered into at Muzaffarnagar on this 27<sup>th</sup> day of March, 2018 between

This Eligible Consumer by the name of Shri Ram College through its Secretary Shri Sankalp Kulshreshtha, having the premises at Parikrama Marg, Muzaffarnagar as first party.

AND

Distribution Licensee (herein after called as Licensee) and represented by Shri Avnish Kumar, Executive Engineer, Urban Electricity Distribution Division, Muzaffarnagar and having its registered office at Town Hall, Muzaffarnagar as second party of the agreement.

And whereas, the Executive Engineer, Urban Electricity Distribution Division, Muzaffarnagar agrees to provide grid connectivity to the eligible consumer for injection of the electricity generated from this SPV plant capacity of 160 kilowatts into the power system of Licensee and as per condition of this agreement and net-metering regulations/ order issued by the Uttar Pradesh Electricity Regulatory Commission.

Both the parties hereby agree to as follows:

Contd... 2...

Executive Engineer  
Electricity Urban Distribution Div-1  
Muzaffarnagar

**1. Eligibility**

1.1 Eligibility for net-metering has been specified in the UPERC (Rooftop Solar PV Grid Interactive System Gross / Net Metering) Regulations, 2015 (hereinafter referred to as RSPV Regulations, 2015). Eligible consumer is required to be aware, in advance, of the standards and conditions his system has to meet for being integrated into grid/distribution system.


**2. Technical and Interconnection Requirements**

2.1 The eligible consumer agrees that his Rooftop Solar PV generation plant and net metering system will conform to the standards and requirements specified in these regulations and in the following Regulations and codes as amended from time to time.

- i. Central Electricity Authority (Technical Standards for connectivity of the Distributed Generating Resources) Regulations, 2013 and subsequent amendments thereof;
- ii. Central Electricity Authority (Installation and Operation of Meters) Regulations 2006 and subsequent amendments thereof;
- iii. Central Electricity Authority (Measures of Safety and Electricity Supply) Regulations, 2010 and subsequent amendments thereof;
- iv. UPERC Electricity Grid Code 2007 and subsequent amendments thereof;
- v. UPERC (Grant of Connectivity to intra-State Transmission System) Regulations, 2010 and subsequent amendments thereof to the extent specified in the UPERC RSPV Regulations 2015;
- vi. UPERC Supply Code Regulations 2015 and subsequent amendments thereof;
- vii. Any other provisions applicable to the electricity consumer of the Distribution Licensee.

2.2 Eligible consumer agrees that he has installed or will install prior connection of Photovoltaic system to Licensee's distribution system, an isolation device (both automatic and inbuilt within inverter and external manual relays) and agrees for the Licensee to have access to and operation of this, if required and for repair & maintenance of the distribution system.

Contd... 3...



  
Executive Engineer  
Electricity Urban Distribution Div.-1  
Muzaffarnagar

- 2.3 Eligible consumer agrees that in case of a power outage on Licensee's system, photovoltaic 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 complaint with relevant international (IEEE/ IEC) or Indian Standards (BIS) and installations of electrical equipment must comply with Central Electricity Authority (Measures of Safety and Electricity Supply) Regulations, 2010.
- 2.5 Eligible consumer agrees that Licensee will specify the interface/ interconnection point and metering point.
- 2.6 Eligible consumer and Licensee agree to comply with the relevant CEA and UPERC Regulations in respect of operation and maintenance of the plant, drawing and diagrams, site responsibility schedule, harmonics, synchronization, voltage, frequency, flicker etc.
- 2.7 Due to Licensee's obligation to maintain a safe and reliable distribution system, eligible consumer agrees that if it is determined by the Licensee that eligible consumer's photovoltaic system either causes damage to and/ or produces adverse effects affecting other consumers or Licensee's assets, eligible consumer will have to disconnect photovoltaic system immediately from the distribution system upon direction from the Licensee and correct the problem at his own expense prior to reconnection.

### 3. Clearances and Approvals

- 3.1 The eligible consumer agrees to obtain all the necessary approvals and clearances (environmental and grid connection related) before connecting the photovoltaic system to the distribution system.

### 4. Access and Disconnection

- 4.1 Licensee shall have access to metering equipment and disconnecting means of the solar photovoltaic 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, Licensee may disconnect service to the premises of the eligible consumer.

Contd... 4...



  
Executive Engineer  
Electricity Urban Distribution Div-1  
Muzaffargarh

**5. Liabilities**

- 5.1 Eligible consumer and Licensee will indemnify each other for damages or adverse effect from either party's negligence or intentional misconduct in the connection and operation of photovoltaic system or Licensee's distribution system.
- 5.2 Licensee and eligible consumer will 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 Licensee shall not be 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 Licensee may consider the quantum of electricity generation from the Rooftop Solar PV system towards RPO.

**6. Commercial Settlement**

- 6.1 All the commercial settlement under this agreement shall follow the RSPV Regulations, 2015 issued by the UPERC.

**7. Connection Costs**


- 7.1 The eligible consumer shall bear all costs related to setting up of photovoltaic system including metering and interconnection costs. The eligible consumer agrees to pay the actual cost of modifications and upgrades to the service line required to connect photovoltaic system to the grid in case it is required.

**8. Termination**

- 8.1 The eligible consumer can terminate agreement at any time by providing Licensee with 90 days prior notice.

Contd... 5...



  
Executive Engineer  
Electricity Urban Distribution Div-1  
Mumbai


- 8.2 Licensee has the right to terminate Agreement on 30 days prior written notice. If eligible consumer commits breach of any of the term of this Agreement and does not remedy the breach within 30 days of receiving written notice from Licensee of the breach.
- 8.3 Eligible consumer shall upon termination of this Agreement, disconnect the photovoltaic system from Licensee's distribution system in a timely manner and to Licensee's satisfaction.

I witness, whereof, Mr Sankalp Kulshreshtha, Secretary, Shri Ram College, Muzaffarnagar and Mr Avnish Kumar, Executive Engineer, Urban Electricity Distribution Division, Muzaffarnagar sign this agreement in two originals.

For Shri Ram College, Muzaffarnagar

For Paschimanchal Vidyut Vitran Nigam

  
  
(Sankalp Kulshreshtha)  
Eligible Consumer  
Parikrama Marg, Muzaffarnagar  
Service Connection No.

  
(Avnish Kumar)  
Distribution Licensee  
Executive Engineer  
Town Hall, Muzaffarnagar

दूरभाष/फैक्स नं०- 0131-2436944  
E--mail : eeeudd1mzn@gmail.com  
Mobile - 9412749363



राष्ट्र हित में बिजली बचायें

कार्यालय अधिशासी अभियन्ता  
Office of the Executive Engineer  
विद्युत नगरीय वितरण खण्ड-प्रथम,  
Electricity Urban Distribution Division-I  
पश्चिमांचल विद्युत वितरण निगम लि०,  
Paschimanchal Vidhyut Vitran Nigam Ltd.  
टाउन हाल, मुजफ्फरनगर  
Town Hall, Muzaffarnagar

पत्रांक- 13154 /वि०न०वि०खं०-प्रथम/मु०नगर

दिनांक- 21/1/2017

विषय : 160 किलोवाट सोलर पी०वी० पावर सिस्टम की अनुमति के सम्बन्ध में।

डा० एस०सी० कुलश्रेष्ठ  
श्रीराम कालेज,  
सरकूलर रोड, मुजफ्फरनगर।

कृपया उपरोक्त विषयक आपके पत्र दिनांक 14.11.2017 के सन्दर्भ में आपके द्वारा अपने विद्युत संयोजन सं०-1944026000 हेतु 160 किलोवाट सोलर पी०वी० पावर सिस्टम की अनुमति चाही गयी है। इस सम्बन्ध में आपको उ०प्र० पावर कार्पोरेशन लि०, लखनऊ के विभागीय नियमानुसार अनुमति प्रदान की जाती है।

  
(अवनीश कुमार)  
अधिशासी अभियन्ता



# SHRI RAM COLLEGE

(Affiliated to CCS University, Meerut & Approved by NCTE)

CIRCULAR ROAD, MUZAFFARNAGAR

**'A' Grade Accredited by NAAC**

दिनांक: 21.03.2018

सेवा में

अधिकासी अभियन्ता  
नगरीय विद्युत वितरण खण्ड लिमिटेड,  
मुजफ्फरनगर।

विषय: सोलर पावर मीटर स्थापित कराने के सम्बन्ध में।

महोदय,

कृपया उपरोक्त विषय का सन्दर्भ ग्रहण करने का कष्ट करें। सादर सूच्य है कि आपके कार्यालय पत्रांक 13154/वि०न०वि०खं०-प्रथम/मुजफ्फरनगर द्वारा महाविद्यालय में 160 किलोवाट सोलर पी०वी० पावर सिस्टम स्थापित करने की अनुमति प्रदान की गई थी। महाविद्यालय द्वारा सोलर पी०वी० पावर सिस्टम तैयार कर लिया गया है। पत्र के साथ दो NET METER जिनका क्रमांक S. No. : XD466753 व S. No. : XD466754 है, टैस्टिंग हेतु आपकी सेवा में प्रेषित हैं।

आपसे विनम्र निवेदन है कि सोलर पावर मीटर स्थापित कराने की कृपा करें। आपकी अति कृपा होगी।

सादर,

संलग्नक: यथापरोक्त।

24-3-18  
मुख्य नयक

भवदीय

(डॉ० एस० सी० कुलश्रेष्ठ)

वृत्त

संख्या- 585932

585932



पश्चिमांचल विद्युत् वितरण लिमिटेड

वित्तिय प्रति उपभोक्ता प्रयोग हेतु

प्राप्त प्रतिसंधि को अनुमति दिये गए हैं

ग्राम का नाम

(1) उपभोक्ता का नाम व पता

(2) वापराचन्ट आईडी

(3) युक्त संख्या

(4) सतिरा कनेक्शन सं०

(5) प्राप्त धनराशि (शकों में)

(6) (शब्दों में) ₹

(7) गट (1)

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कुल योग

न

चोट

संयोजकों का नाम एवं मोहर अंकित न होने पर यह प्रतियोग्यता रद्द होगी।

यदि उपभोक्ता को वापराचन्ट सं० 10001000002

Handwritten details including name, address, and amount (₹ 7500/-)

₹ 1000 तक
₹ 5000 तक
₹ 10000 तक
₹ 50000 तक
₹ 100000 तक
एक लाख से ऊपर





Roof Top Solar Inverter

संख्या: य: 585931

585931

रसीद संख्या: 50

पश्चिमांचल विद्युत वितरण निगम लिमिटेड, भेरठ

वित्तिय प्रति उपभोक्ता प्रयोग हेतु

प्राप्त धनराशि के अनुसार टिक करें

का नाम

Dr. N. K. Singh

मोबता का नाम पता

Dr. N. K. Singh

काचन्द आईडी

Call Center

क संख्या

विश कारोबराग सं०

प्राप्त धनराशि (अंकों में)

(शब्दों में) ₹

2500

मद (1)

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योग ₹

241031018

संभ्रकर्ता का नाम एवं मोहर: अशुद्ध न होने पर यह रसीद अक्षय गती जाएगी

Signature

₹ 1000 तक
₹ 5000 तक
₹ 10000 तक
₹ 50000 तक
₹ 100000 तक
एक लाख से ऊपर

मेक द्वारा प्राप्त भुगतान की मासिक रकम से कमीकरेता के प्रदात की मात्र होगी

टोल फ्री उपभोक्ता सेवा नं०: 18001803002



ACKNOWLEDGEMENT

Application Number .....

Received the application for connectivity of Rooftop Solar PV System

Name: Shri Ram College, Muzaffarnagar CA No: .....

Date ....., Time ....., Serial No. ....

Application Fee Paid or Not: .....

Rooftop Solar PV Plant Capacity: 160 KW

Mode of payment (Cheque / DD/RTGS/NEFT): Cash

Details of Cheque /DD/RTGS/NEFT: .....

Name of Officer  
Seal  
  
दिनांक 2/4/18  
श्री नरेश

Signature  
(Designation of Officer)  
(To be specified at the line of signing)

दूरभाष/फैक्स नं०- 0131-2436944  
E--mail : eeeudd1mzn@gmail.com  
Mobile - 9193331175



कार्यालय अधिशासी अभियन्ता  
Office of the Executive Engineer  
विद्युत नगरीय वितरण खण्ड-प्रथम,  
Electricity Urban Distribution Division-I  
टाउन हाल, मुजफ्फरनगर  
Town Hall, Muzaffarnagar

राष्ट्र दिवस में बिजली नगरी

पत्रांक- /वि०न०वि०खं०-प्रथम/मु०नगर

दिनांक- / /2018

विषय : श्रीराम कॉलेज, परिक्रमा मार्ग, मुजफ्फरनगर के संयोजन सं०-86211 की नेट मीटरिंग के सम्बन्ध में।

सहायक अभियन्ता (मीटर)

विद्युत नगरीय परीक्षणशाला-द्वितीय

मुजफ्फरनगर।

उपरोक्त विषयक उपभोक्ता श्रीराम कॉलेज, परिक्रमा मार्ग, मुजफ्फरनगर के संयोजन सं०-86211 की नेट मीटरिंग प्रबन्ध निदेशक महोदय, प०वि०वि०नि०लि०, मेरठ के पत्र सं०-2368/Roof-Top Solar PV दिनांक 05.06.2015 के आदेशों के अनुसार कराने का कष्ट करें जिसकी प्रतिलिपि आपको संलग्न की जा रही है।

संलग्नक-उपरोक्तानुसार।

(अवनीश कुमार)

अधिशासी अभियन्ता

पत्रांक- 9427 /वि०न०वि०खं०-प्रथम/मु०नगर

दिनांक-26-10-18

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है:-

1. अधीक्षण अभियन्ता, विद्युत नगरीय वितरण मण्डल, मुजफ्फरनगर।
2. अधिशासी अभियन्ता, विद्युत नगरीय परीक्षण खण्ड, मुजफ्फरनगर।
3. अध्यक्ष श्रीराम कॉलेज परिक्रमा मार्ग, मुजफ्फरनगर।

(अवनीश कुमार)

अधिशासी अभियन्ता

दूरभाष/फैक्स नं०- 0131-2436944  
E--mail : eeeudd1mzn@gmail.com  
Mobile - 9412749363



राष्ट्र हित में बिजली बचायें

कार्यालय अधिशासी अभियन्ता  
Office of the Executive Engineer  
विद्युत नगरीय वितरण खण्ड-प्रथम,  
Electricity Urban Distribution Division-I  
पश्चिमांचल विद्युत वितरण निगम लि०,  
Paschimanchal Vidhyut Vitran Nigam Ltd.  
टाउन हाल, मुजफ्फरनगर  
Town Hall, Muzaffarnagar

पत्रांक- /वि०न०वि०खं०-प्रथम/मु०नगर

दिनांक- / /2018

विषय : डा० सुभाष चन्द्र कुलश्रेष्ठ पुत्र श्री मदनगोपाल द्वारा श्रीराम कालेज परिक्रमा मार्ग, मुजफ्फरनगर के परिसर में बाईंडायरेक्शनल मीटर लगाने के सम्बन्ध में।

अधिशासी अभियन्ता  
विद्युत नगरीय परीक्षण खण्ड,  
मुजफ्फरनगर।

उपरोक्त विषयक उपभोक्ता डा० सुभाष चन्द्र कुलश्रेष्ठ पुत्र श्री मदनगोपाल द्वारा श्रीराम कालेज परिक्रमा मार्ग, मुजफ्फरनगर ने आवेदन किया है कि उनके विद्युत संयोजन सं०-401/86211, भार 180 किलोवाट हेतु अपने परिसर में सौर ऊर्जा सयंत्र की स्थापना करायी गयी है, जिसके परिप्रेक्ष में बाईंडायरेक्शनल मीटर लगाया जाना है। उपभोक्ता द्वारा मीटर स्वयं उपलब्ध कराते हुए मीटर की जांच/सीलिंग हेतु खण्ड कार्यालय में आवेदन शुल्क रुपये 750/- रसीद सं०-01/585932, दिनांक-24.03.2018 एवं पंजीकरण शुल्क रुपये 2500/- रसीद सं०-50/585931, दिनांक 24.03.2018 के द्वारा जमा करा दिये गये है।

अतः आपसे अनुरोध है कि उपभोक्ता के परिसर में 160 किलोवाट सौर ऊर्जा सयंत्र की स्थापना को जारी करने तथा उ०प्र० विद्युत निवामक आयोग एवं केन्द्रीय बिजली निवामक आयोग की नीति दिशा-निर्देश का अनुपालन करते हुए बाईंडायरेक्शनल मीटर स्थापित कराने का कष्ट करें।

(अवनीश कुमार)

अधिशासी अभियन्ता

पत्रांक- 3420 /वि०न०वि०खं०-प्रथम/मु०नगर

दिनांक- 28.3.18

प्रतिलिपि :-

1. अधीक्षण अभियन्ता, विद्युत नगरीय वितरण मण्डल, मुजफ्फरनगर को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है।
2. सहायक अभियन्ता (मीटर), विद्युत नगरीय परीक्षणशाला-द्वितीय, गढ़ी पचेण्डा, मुजफ्फरनगर को इस आशय से प्रेषित कि उपभोक्ता के परिसर में मीटर स्थापित कर मीटर सीलिंग रिपोर्ट इस कार्यालय को उपलब्ध कराना सुनिश्चित करें (दो नग मीटर सहित)।
3. सम्बन्धित उपभोक्ता।

(अवनीश कुमार)

अधिशासी अभियन्ता

दूरभाष  
E-E-  
M

दूरभाष/फैक्स नं०- 0131-2436944

E-mail : eeeudd1mzn@gmail.com



कार्यालय अधिशासी अभियन्ता  
Office of the Executive Engineer  
विद्युत नगरीय वितरण खण्ड-प्रथम,  
Electricity Urban Distribution Division-I  
पश्चिमांचल विद्युत वितरण निगम लि०,  
Paschimanchal Vidhyut Vitran Nigam Ltd.  
टाउन हाल, मुजफ्फरनगर  
Town Hall, Muzaffarnagar

पत्रांक- 3398 /वि०न०वि०खं०-प्रथम/मु०नगर/टी०सी०

दिनांक- 28.3.18

विषय : औद्योगिक/वाणिज्यिक/घरेलू विद्युत कनेक्शन हेतु अनुमानित व्यय पत्र, नियम तथा शर्तें।

डा० सुभाष चन्द्र कुलश्रेष्ठ  
द्वारा श्रीराम कालेज  
परिक्रमा मार्ग, मुजफ्फरनगर।

कृपया उ०प्र० विद्युत नियामक आयोग की अधिसूचना सं०-यू०पी०ई०आर०सी०/सैक्रेट्री/आर०एस०पी०वी०/रेगुलेशन/2015/2160, दिनांक 26.03.2015 के सन्दर्भ में आपके द्वारा आवेदित 160 किलोवाट रुफटॉप सोलर सिस्टम पर मीटरिंग प्रणाली स्थापित करने हेतु निगम नियमानुसार आवश्यक धनराशि खण्ड कार्यालय में जमा कराने का कष्ट करें। धनराशि का विवरण निम्न प्रकार है :-

इस सम्बन्ध में आपको विद्युत कनेक्शन लेने हेतु निम्न औपचारिकताएं पूरी करनी हैं।

(अ) धन जो जमा करना है :-

1) Installation Fees	Rs.	14543-00
<b>Total</b>	<b>Rs.</b>	<b>14543-00</b>

(ब) औपचारिकताएं जो पूरी करनी हैं :-

- उपरोक्त धनराशि इस कार्यालय में जमा करने के उपरान्त 100/- रुपये के नॉन ज्यूडिशियल स्टाम्प पेपर पर निर्धारित प्रारूप में अनुबन्ध/वचन पत्र भरना।
- मीटर निरीक्षण शुल्क के ..... रुपये राज्य कोष में निदेशक, विद्युत सुरक्षा, उत्तर प्रदेश शासन के लिए निम्न हैड में जमा करने का चालान प्रस्तुत करना।  
0.43 विद्युत पर कर एवं शुल्क  
भारतीय विद्युत नियमावली के अन्तर्गत शुल्क एवं संयोजन निर्गत से पूर्व विद्युत सुरक्षा की अनापत्ति प्रमाण पत्र खण्ड कार्यालय में जमा कराना आवश्यक है।
- अपने संस्थान पर लगाये गये विद्युत भार का अधिकृत विद्युत ठेकेदार द्वारा भरा गया बी० एण्ड एल० फार्म प्रस्तुत करना।

(स) नियम व शर्तें :-

- उपभोक्ता को भारतीय विद्युत अधिनियम 1910 तथा भारतीय विद्युत नियमावली 1956 के प्रावधानों का पूर्णतः पालन करना होगा।
- विद्युत उपभोग तथा मासिक व वार्षिक गारन्टी की दरें जो समय-समय पर उ०प्र० पावर कॉर्पोरेशन लि० द्वारा लागू होगी, उपभोक्ता द्वारा देय होगी।
- उ०प्र० पावर कॉर्पोरेशन लि० द्वारा लागू कंडीशन आफ सप्लाय का अनुपालन उपभोक्ता द्वारा किया जायेगा।

आपसे अनुरोध है कि आप दिनांक-31.03.2018 तक उपरोक्त आवश्यक औपचारिकताएं इस कार्यालय में आकर पूर्ण कर दें अन्यथा तत्पश्चात् आपकी स्वीकृति रद्द करने की कार्यवाही की जायेगी।

अधिशासी अभियन्ता

दूरभाष/फैक्स नं०- 0131-2436944  
E-mail : eeeudd1mzn@gmail.com  
Mobile - 9412749363



राष्ट्र हित में विजली बचावें

कार्यालय अधिशासी अभियन्ता  
Office of the Executive Engineer  
विद्युत नगरीय वितरण खण्ड-प्रथम,  
Electricity Urban Distribution Division-I  
पश्चिमांचल विद्युत वितरण निगम लि०,  
Paschimanchal Vidhyut Vitran Nigam Ltd.  
टाउन हाल, मुजफ्फरनगर  
Town Hall, Muzaffarnagar

पत्रांक- /वि०न०वि०खं०-प्रथम/मु०नगर/सोलर इनर्जी दिनांक- / /2018  
विषय : 200 केवीए रुफटॉप सोलर सिस्टम के लिए तकनीकी सम्भाव्यता आख्या के सम्बन्ध में।

उपखण्ड अधिकारी  
विद्युत नगरीय वितरण उपखण्ड-द्वितीय,  
मुजफ्फरनगर।

सहायक अभियन्ता (मीटर)  
विद्युत नगरीय परीक्षणशाला-द्वितीय,  
मुजफ्फरनगर।

उपरोक्त विषयक आपको अवगत कराना है कि उ०प्र० विद्युत नियामक आयोग की अधिसूचना संख्या-यू०पी०ई०आर०सी०/सैक्रेट्री/आर०एस०पी०वी०/रेगुलेशन/2015/2160, दिनांक 26.03.2015 के सन्दर्भ में डा० सुभाष चन्द्र कुलश्रेष्ठ (श्रीराम कॉलेज), परिक्रमा मार्ग, मुजफ्फरनगर स्वीकृत भार 200 केवीए (180 किलोवाट) ने 160 किलोवाट रुफटॉप सोलर सिस्टम स्थापित करने हेतु दिनांक 24.03.2018 में पंजीकरण कराया है।

इस सम्बन्ध में आपको पश्चिमांचल विद्युत वितरण निगम लि०, मेरठ के पत्र सं०-2368/MD/PVVNL/MT/Comm./Roof-Top Solar PV दिनांक 05.06.2015 की प्रति इस आशय से प्रेषित है कि उपरोक्त 160 किलोवाट रुफटॉप सोलर सिस्टम के लिए उक्त अधिसूचना में निहित प्राविधान के अनुसार अपनी तकनीकी सम्भाव्यता आख्या (Technical Physibility Report) अति शीघ्र तत्काल इस कार्यालय को उपलब्ध कराना सुनिश्चित करें।

संलग्नक-उपरोक्तानुसार।

(अवनीश कुमार)  
अधिशासी अभियन्ता

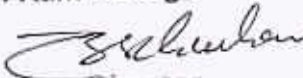
पत्रांक- 3330 /वि०न०वि०खं०-प्रथम/मु०नगर दिनांक- 24-3-18  
प्रतिलिपि डा० सुभाष चन्द्र कुलश्रेष्ठ, श्रीराम कॉलेज परिक्रमा मार्ग, मुजफ्फरनगर को सूचनार्थ प्रेषित है।

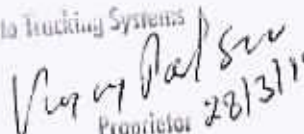
(अवनीश कुमार)  
अधिशासी अभियन्ता

COMMISSIONING REPORT FOR GRID CONNECTED SOLAR  
PHOTOVOLTAIC POWER PLANT  
(With Net- Metering facility)

Certified that a grid connected SPV Power Plant of 160 KWp capacity has been installed at site  
Shri Ram College, Muzaffarnagar District-  
Muzaffarnagar of Utter Pradesh, Pin Code..... Which has been installed by Supaasi Solar  
Auto tracking Systems on 24/3/18. This System is as per BIS/MNRE Specification. The System has  
been checked for its performance on 28/3/18 with installation of Bidirectional Meter and it is  
working satisfactory. The system is suitable for installation of Bi-Directional and Gross energy.

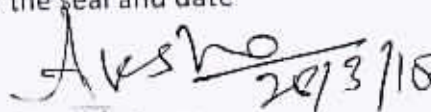
For Shri Ram College

  
Signature of the Beneficiary  
Director

for Auto Tracking Systems  
  
Proprietor 28/3/18

Signature of the rep. of Supplier

With the seal and date

  
28/3/18

Signature of PO/APO

With the name seal and date

# Tax Invoice

(ORIGINAL FOR RECIPIENT)

**SUPAASI SOLAR AUTO TRACKING SYSTEMS**  
 OPP DPSG, MAJOR ASHA RAM MARG,  
 GHAZIABAD  
 GSTIN/UIN: 09AIDPS6092D1Z1  
 State Name : Uttar Pradesh, Code : 09  
 E-Mail : info@supaasi.com

Consignee

**SHRIRAM COLLEGE**  
 CIRCULAR RAOD,  
 MUZAFFARNAGAR  
 State Name : Uttar Pradesh, Code : 09

Buyer (if other than consignee)

**SHRIRAM COLLEGE**  
 CIRCULAR RAOD,  
 MUZAFFARNAGAR  
 State Name : Uttar Pradesh, Code : 09

Invoice No.

**9**  
 Delivery Note

Supplier's Ref.

**9**  
 Buyer's Order No.

Despatch Document No.

**9**  
 Despatched through  
**By Road**  
 Terms of Delivery

Dated

**21-Mar-2018**

Mode/Terms of Payment

Other Reference(s)

Dated

Delivery Note Date

Destination

**Muzaffarnagar**

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	<b>Solar Power Generating System</b> (Vikram Solar Pv 322.5 (502), Ksilo Solar Inv 50kw-3, Ksilo Solar Inv 20kw-1x0 Auto Tracker Solarstructure DCDB-4 Installation & Comm Charges)	8541	1,60,000 watt	61.90	watt	99,04,762.00
						2,47,619.05
						2,47,619.05
						(-)0.10
	<b>Less</b>					
		<b>SGST</b>				2,47,619.05
		<b>CGST</b>				2,47,619.05
		<b>ROUND OFF</b>				(-)0.10
		<b>Total</b>	1,60,000 watt			<b>₹ 1,04,00,000.00</b>

E & O E

Amount Chargeable (in words)

**INR One Crore Four Lakh Only**

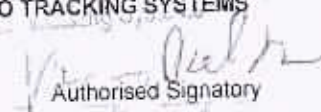
HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
8541	99,04,762.00	2.50%	2,47,619.05	2.50%	2,47,619.05	4,95,238.10
<b>Total</b>	<b>99,04,762.00</b>		<b>2,47,619.05</b>		<b>2,47,619.05</b>	<b>4,95,238.10</b>

Tax Amount (in words) **INR Four Lakh Ninety Five Thousand Two Hundred Thirty Eight and Ten paise Only**

Declaration

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for SUPAASI SOLAR AUTO TRACKING SYSTEMS

  
 Authorised Signatory

This is a Computer Generated Invoice



**TURNKEY ENGINEERING, PROCUREMENT  
AND CONSTRUCTION (EPC)  
WITH 5 YEARS OPERATION  
AND MAINTENANCE AGREEMENT**

**BETWEEN**

**SHRI RAM COLLEGE, MUZAFFARNAGAR**  
As the 'Project Owner'

**BETWEEN**

**SUPAASI SOLAR AUTO TRACKING SYSTEMS**  
As the 'EPC Contractor'

**TURNKET EPC AGREEMENT**  
**(Agreement No.SUP/SUD/SRC/21112017/002)**

This EPC Agreement (this "Agreement") is made on 21<sup>st</sup> Nov 2017

**Between**

**M/s.SUPAASI SOLAR AUTO TRACKING SYSTEMS** having its Registered office At 1155/1, OPP-DPSG, Major Asharam Tyagi Road, Saddik Nagar, Ghaziabad, U.P. -201001, hereinafter called "**EPC Contractor**".

**And**

**Shri Ram College, Muzaffarnagar** hereinafter called "**Project Owner**".

**WHEREAS**

- (A) The Project Owner is desirous of Setting-up **160 kWp Grid connected Solar Roof-top Power project at the rooftop of Shri Ram College, Muzaffarnagar** ( "Project"), on Net-Metering Concept.
- (B) For the purpose of **Design, Engineering, Procurement, Construction, Erection, Testing and Commissioning with 5 years operate and maintenance of the Project**, the Project Owner has selected the EPC Contractor on the basis of a Competitive Bidding process and has entered into this contract for Supply, Erection, Testing & Commissioning Services.

NOW THEREFORE, in consideration of the foregoing mutual undertaking and other good and valuable consideration, sufficiency of which is hereby acknowledged, the Parties hereto agree as follows:

**ARTICLE 1: SCOPE OF WORK**

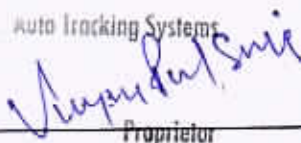
The EPC Contractor shall be obligated to deliver, in accordance with the subject RFS No.: **SUP/SUD/SRC/21112017/002 Dated: 21/11/2017-Technical Specification, Equipment Supply, Erection & Testing and Guaranteed Plant Performance.**

The detailed scope shall be as per agreed technical specification and discussions. **Refer to below mentioned Brief Scope of Work and 'Annexure-A' for Bill of Quantity** enclosed with this Agreement.

EPC Contractor:

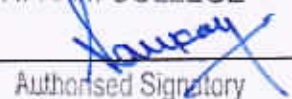
- 1) Design, Engineering, Procurement & Supply of Solar Power Plant as per specification & BOM given in the offer.

For SUPAASI Solar Auto Tracking Systems

  
Proprietor

Page 2 of 12

For SHRI RAM COLLEGE

  
Authorised Signatory

Turnkey EPC agreement with 5 Years of O&M for 160kWp Solar Roof-top Power project in the state of U.P.

- 2) Installation & Commissioning of Dual Axis Auto Tracking Solar Power Plant up to LT Panel including synchronoization with Grid supply and civil foundation work for module mounting structure.
- 3) Total Guaranteed Unit Production 6.8 kW/Day, and Total Guaranteed Unit Production of 160 kW Plant/ Day is 1088 Unit/Day.
- 4) Complete Liaisoning Job for Net-Metering Connection/Agreement with concern Electricity Power Corp and Electric Safety Deptt alongwith all statutory fee and other service charges.
- 5) Providing Operation & Maintenance for 5 Years form date of successful commissioning.
- 6) Data Transfer
- 7) Other work whatever required
- 8) Logics to be provided

**Project Owner/Client:**

- 1) Suitable are on roof top for installation of solar modules as proposed in array layout diagram.
- 2) Safe Storage place for material during installation & commissioning period.
- 3) Water and temporary electricity connection during execution.
- 4) Internet connection for online monitoring of Plant Performance.

**ARTICLE 2: CONTRACT PRICE SCHEDULE**

As per 'Article-1: Scope of Work' & 'Annexure-A' (Bill of Quantity) The Total Contract Price for this Turnkey EPC Agreement shall be as given below:

S.N	Job Description	Turnkey EPC Price (in INR) (a)	Subsidy Amount as per NEDA Scheme (in INR) (b)	NET PRICE PAYABLE BY PROJECT OWNER (in INR) (a-b)
1	Design, Engineering, Supply, Packing & Forwarding, Construction, Transportation, Unloading, Storage, Installation and Commissioning of 160 kWp Roof-top Solar Power Project with Operation & Maintenance for 5 Year from the date of Installation & Commissioning.			60,00,000.00
a	Supply	68,70,000.00		
b	Installation, Commissioning & Testing	17,00,000.00		
<b>GRAND TOTAL (in INR)</b>		85,70,000.00	25,70,000.00	60,00,000.00
				Sixty Lakh Sixty Only
<b>Price per Wp (in INR)</b>		53.38	16.08	37.50

**Net Amount to be paid by Project Owner to EPC Contractor shall be INR. 60,00,000/- (Rupees Sixty Lakh Only)**

**Note:** Whatever subsidy amount shall be paid by NEDA, the same shall be reimburse to the contractor after completion of work and all statutory compliances by the contractor.

*Maya Prasad Singh*  
Proprietor

*Shri Ram*  
Authorised Signatory

### ARTICLE 3: TAXES & DUTIES

The above mentioned Price is inclusive of all applicable Taxes & Duties.

### ARTICLE 4: PAYMENT TERMS

#### I. Supply + Installation Portion of the Contract-

- Rs. 5.00 lakh towards advance against Purchase Order.
- Rs. 5.00 lakh complete GI structure reaching at site.
- Rs. 10.00 lakh towards advance for procurement of solar panels.
- Rs. 23.00 lakh on arrival of solar panels at site.
- Rs. 17.00 lakh after installation, commissioning, testing, DG synchronization & Net metering connection with concerned electricity department.

### ARTICLE 5: LOCATION WITH PLANT CAPACITY

Description	Location
	Shri Ram College, Muzaffarnagar, U.P.
• Co-ordinates (Lat & Long)	29.4727° N, 77.7085° E
• Project Capacity	160kWdc
• Type of Roof	RCC Roof
• Technology	Multi-crystalline SPV Module with String Inverter

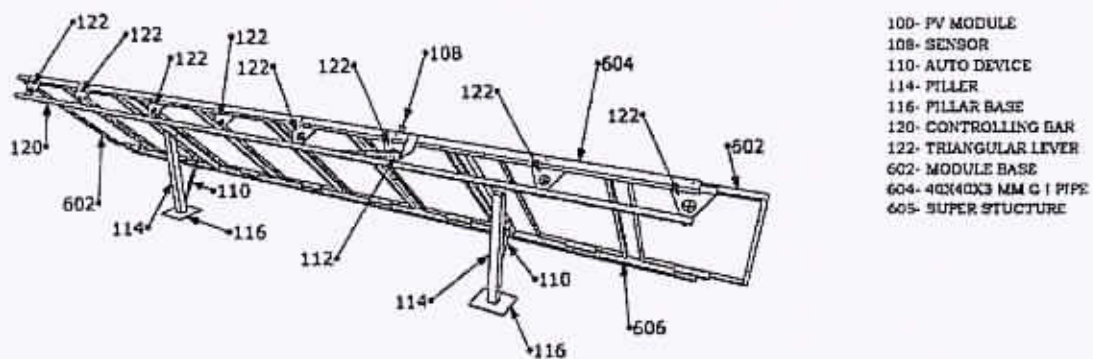
for Supplier Auto Tracking Systems

*Deependra Singh*  
Proprietor

**Supaasi Solar recommended Design:-**

**1.1 Rail Track Auto Tracking Solar Systems**

This is the most futuristic Auto Tracking Solar System ever made since functioning of this system is very unique and innovative. It tracks the sun continuously from morning to evening to give consistent energy throughout the day moreover its energy output is approx. 60% higher than the contemporary solar power systems.



**FIGURE 1.0 For Roof Type Auto Tracking System**

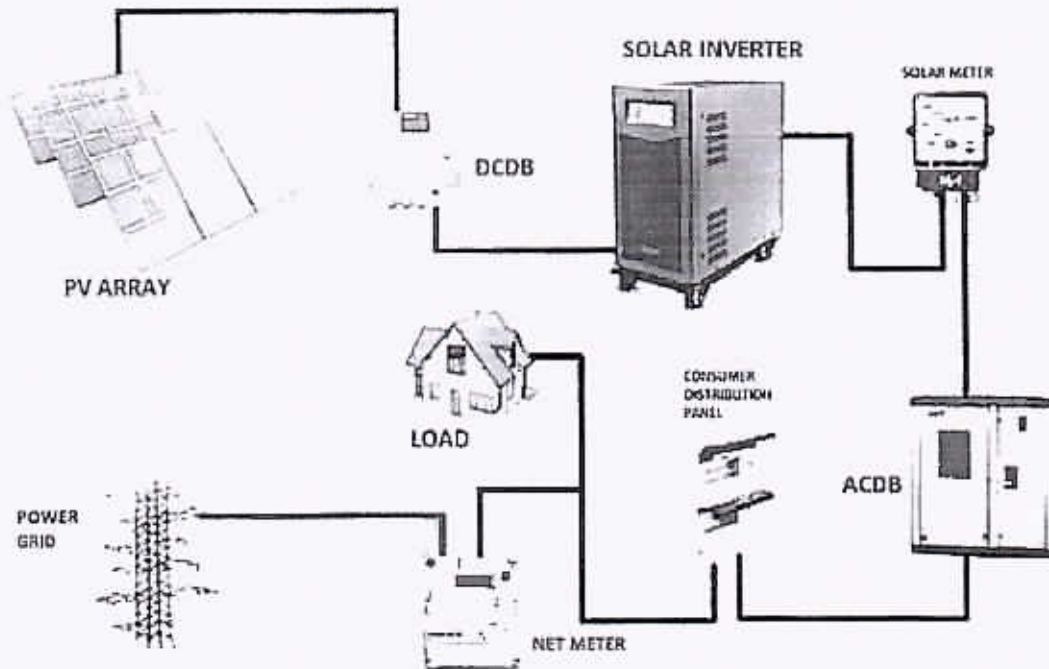
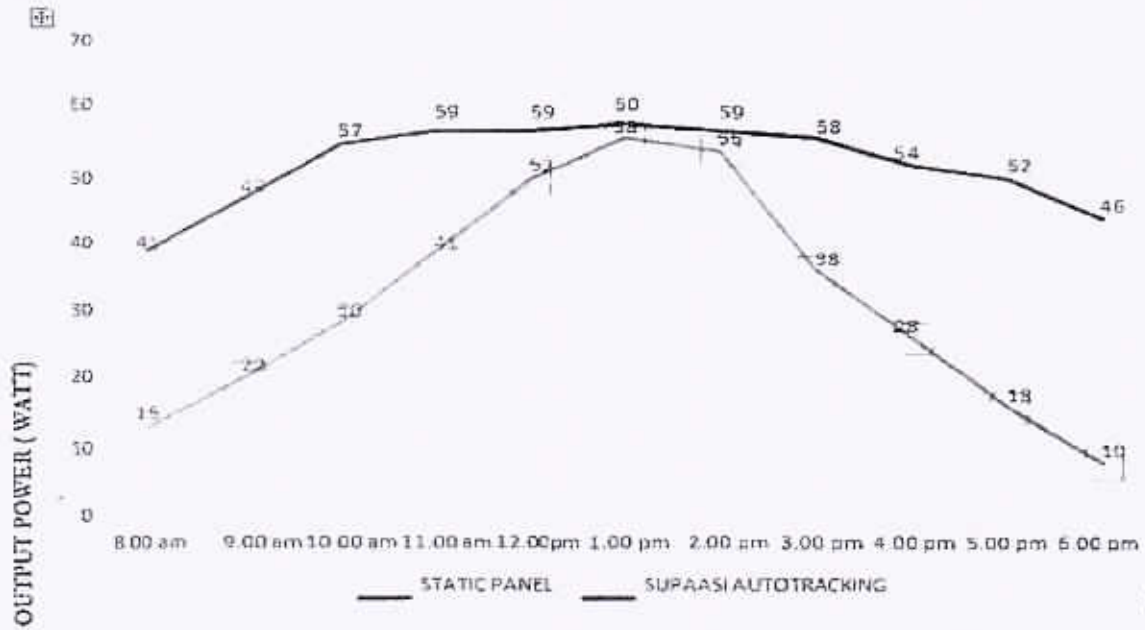
**Efficiency of Supaasi Auto Tracking System over Fixed Mount:-**

Every hour readings of both the static panel and Supaasi Auto tracking system have been taken from 8 am to 6 pm. The following readings are tabulated and a graph was generated using LAB as follows.

For Supaasi Auto Tracking Systems

*Vijay Singh*  
Proprietor

Turnkey EPC agreement with 5 Years of O&M for 160kWp Solar Roof-top Power project in the state of U.P.



For Sup. ... Auto Tracking Systems

*Uday Prakash*  
Proprietor

For SHRI RAM COLLEGE  
*Kanoy*  
Authorized Signatory

Location	Muzaffarnagar
Latitude & Longitude	29.4727° N, 77.7085° E
Proposed Capacity	160 KW On Grid Solar PV Power Plant
Application	Rooftop Solar Power Plant for Captive Consumption
Subsidy applicable	Yes. 30% subsidy is available by the Central Government through state nodal agency (NEDA) subject to fulfillment of required papers / conditions.

The Proposed On Grid Auto Tracking Solar PV Power Plant will be installed on shadow free area of the roof tops at Shri Ram College .The Power generated from the Solar PV Power plant will be fed at the existing LT panel of the customer for captive consumption. The Excess Power will be exported to the grid by Net Metering Mechanism.

We assume that the available rooftop load bearing capacity is enough to accommodate the Solar PV system.

**Scope of Supply for Supaasi Rail Track Auto Tracking System both ways North-South (Manual) and East-West (Auto)**

Complete design, supply, engineering, installation, erection, testing and commissioning complete in all respect including civil work. On Grid system with Generator back-up including Generator synchronization work inclusive of AMF panel in the same scope.

Clearance from UP Power Corporation Ltd/ PVVNL and Installation of net metering system including cost and activation.

For Supaasi Auto Tracking Systems  
  
Proprietor

For SHRI RAM COLLEGE  
  
Authorized Signatory

There will be three roofs for installation of all PV Panels of 160 KW. All these three locations shall be integrated for load balancing and working as a single unit.

The entire system shall be operate and maintained by Supaasi including providing/ replacing all material/ equipments etc required for smooth running of the system for 5 years free of cost by Supaasi.

**Note:-** DG control panel price is included in above offer for DG to grid synchronization. However as per discussion, the management wants to synchronize two DG sets, cost of which shall be borne by the Supaasi solar.

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The project is eligible for 30% capital subsidy from the Central Government through state nodal agency (NEDA) subject to fulfillment of required papers/ conditions by the college. The said subsidy shall be given directly to the college. We will be providing all assistance to the college in getting said subsidy. The whatever subsidy amount is paid by the Govt. shall be reimbursed to us by the college.

#### Other Terms and Conditions

- All the Payments will be made to Supaasi Solar Auto Tracking Systems through RTGS only.
- Offer is inclusive of GST.
- Smooth access to site would be provided to Supaasi employees and its contractors/ sub-contractors.
- Power and Water during the Construction of the Project to be provided free of cost to Supaasi.
- The entire system shall be erected and commissioned in two months from the acceptance of offer along with advance amount subject to fulfillment of terms and conditions by both the parties.
- Civil work shall be to supaasi account.
- There will be a guarantee of 25 years for PV panels, provided by the principal supplier from the date of commissioning.
- There will be a guarantee of 5 years for Inverters, provided by the principal supplier from the date of commissioning.
- The output production of 6.8 units (1088 unit/ day) shall be guaranteed for annual average.
- All disputes are subject to Muzaffarnagar court jurisdiction only.

for Supaasi

Auto Tracking Systems

*Vijay Kumar Singh*  
Proprietor

For SHRI RAM COLLEGE  
*Anurag*  
Authorised Signatory



#### ARTICLE 6: DELIVERY AND EXECUTION PERIOD

Within 3 months from the date of LOA subject to force majeure conditions from the date of technically and commercially clear order along with advance & handing over the site to EPC Contractor.

#### ARTICLE 7: PLANT PERFORMANCE

As per contractor commitment, the installed Rooftop Solar PV System shall meet minimum guaranteed generation (6.8 unit/kW, 1088 units/ day) with Performance Ratio (PR) at the time of commissioning and related Capacity Utilization Factor (CUF) as per the GHI levels of the location during the O&M period. PR shall be shown minimum of 85% at the time of inspection for initial commissioning, minimum CUF of 15% for General category States and 13.5% for Special category states. The PR will be measured at Inverter output level during peak radiation conditions.

#### ARTICLE 8: FORCE MAJEURE

Heavy Rainfall or any natural calamity due to which the work may suffer would be considered as Force Majeure and Delay due to same shall not attract any LD on Contractor.

#### ARTICLE 9: APPLICABLE LAWS AND JURISDICTION

- I. The EPC Contract shall be governed in accordance with the Laws of India, from time to time in force in relation to all matters arising under this Contract.
- II. EPC Contractor including its suppliers and subcontractors shall abide by and comply with all applicable law including local Laws, regulations and Government decisions, as required under this Contract.
- III. For avoidance of doubt, and before starting the Work, Contractor's familiarization with all applicable laws shall be inclusive of Contractor obtaining requisite license, if applicable, from the concerned authorities under the Contract Labor Act (if any) and shall furnish copy of the same to Developer. The labor license for the appropriate labor shall be kept valid for the total Contract Period, including Extended Period, if any, and Defects Liability Period as applicable.
- IV. Contractor shall bear all costs for compliance with all applicable laws, labor laws, rules and regulation and obtaining any requisite Authority approval, permits, but not limited there to, for the performance of the Contract. The Contractor shall keep Project Owner indemnified, in case any action is taken against the Project Owner by the competent Authority on account of contravention of aforesaid laws by the EPC Contractor.
- V. In the event of EPC Contractor committing a default or breach of aforesaid laws and the Project Owner is caused to pay any amounts or takes corrective action, then Project Owner shall back-charge the EPC Contractor the related costs increased by administrative charges of 15% thereof

from any monies due to Contractor or otherwise from other securities available under this Contract.

#### ARTICLE 10: CONFIDENTIALITY

- I. The Parties shall maintain in strict confidence in all matters related to this contract including all documents, data and information, whether in writing or otherwise, which may come into the possession or knowledge of the other Party during the term of this contract, except for any disclosure thereof necessary for performing its necessary duties under this contract. The foregoing restrictions shall not apply to:
  - a) Any Confidential Information, which at the time of disclosure was lawfully in the public domain as evidenced by printed publication or otherwise.
  - b) Any Confidential Information which after disclosure to Party becomes part of that public domain by publication or otherwise, other than by action of the Party or any party receiving such information from, through or on behalf of the other Party.
  - c) Any Confidential Information, which the receiving party can show, was lawfully in his possession at the time of disclosures to it without limitation or restriction against directly or indirectly of the other party or without any breach of provisions contained herein.
  - d) Any Confidential Information which the receiving party rightfully received from an independent third party who did not receive such information, directly or indirectly, from either Party to this Subcontract or otherwise subject to limitation or restriction on its use.
  - e) Any disclosure which either Party must make by law or pursuant to any process issued by a Court or Tribunal or pursuant to the rules of any stock exchange, after disclosing Party has made reasonable efforts to notify the other Party to agree the form and terms upon which disclosure is made.
- II. Notwithstanding the immediately preceding paragraph, Subcontractor shall be bound under the respective terms of the Contract, whichever is stringent, including stipulations of Confidentiality & Intellectual Property Right as stated therein.

#### ARTICLE 11 COMMUNICATION AND NOTICES

- I. Unless agreed otherwise, it is agreed and understood that the contractual relationship exists exclusively between Project Owner and EPC Contractor and all communication, instructions, comments or advice, whether arising through third parties or from Project Owner directly, shall be communicated exclusively through Project Owner to EPC Contractor; likewise, EPC Contractor shall be the exclusive line of communication to Project Owner in all matters relating to the Contract Works. In the event third party communication becomes necessary, it shall be coordinated and communicated through Project Owner to EPC Contractor, or through EPC Contractor to Project Owner, as may be appropriate.
- II. However company will refund the whole amount to customer or liable to pay the customer deposit amount in case of failure of taking the approval of net-metering from State Discom, within two weeks of time after commissioning of project.

For Supra... Auto Tracking Systems

*Lotay Rajendra*  
Proprietor

For SHRI RAM COLLEGE

*Lotay Rajendra*  
Authorised Signatory

IN WITNESS WHEREOF the Parties hereto have duly executed this Agreement as on 9<sup>th</sup> day of May and year 2017 before written.

For and on behalf of Project Owner of 'Shri Ram College, Muzaffarnagar'

For SHRI RAM COLLEGE

Signature:

  
Authorized Signatory

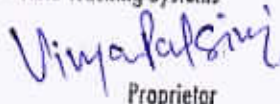
Name:

Designation (If Applicable):

For and on behalf of EPC Contractor 'Supaasi Solar Auto Tracking Systems'

for Supaasi Solar Auto Tracking Systems

Signature:

  
Proprietor

Name:

Designation:

## BILL OF MATERIAL with MAKES

S.No.	Component	Make
<b>Key Component</b>		
1	SPV Modules	Vikram/other Reputed Indian makes
2	Solar Inverters- Double MPPT inverter	Kaco/SMA/Reputed
3	Module Mounting Structure (80 Microns Hot Dipped Galvanized Iron)with associated Civil Foundation Works	Supaasi Auto Tracking system both way i.e. North-South (MANUAL) & East-West (AUTO)
<b>Monitoring System</b>		
1	Weather Monitoring Station/Data Logging System	Reputed
<b>DC Cables</b>		
1	4 Sq mm, Cu , Solar Cable TuV certified	Polycab/Havells/Reputed
<b>AC Cables</b>		
1	4C X 10 sq mm -Cu	Polycab/Havells/Reputed
2	4C X 16 Sq mm-Al	Polycab/Havells/Reputed
<b>Lugs and Glands</b>		
1	Lugs and Glands	Standard/Reputed make
<b>ACDB for Protection purposes with Meter</b>		
1	ACDB with Meter	VNT/Reputed
<b>Earthing</b>		
1	25x3mm GI Strip	Standard/Reputed make
2	Earthing pit-GI strip	Ashlok/ SGI Engineers/standard make
<b>Conduits</b>		
1	Conduits-40 mm dia	Jindal/Reputed make
<b>Lighting Arrestor</b>		
1	Lighting Arrestor	Ashlok/Standard/Reputed make
<b>Module Cleaning System</b>		
1	Module Cleaning System inclusive of Flexible Pipe etc.	Standard/Reputed make

Note: Size mentioned above is tentative. Actual supplied size and Qty. will be as per site requirement which will be finalized after detailed Engineering.

For Sup... auto tracking Systems

*Vijay Kishore*  
Proprietor

For SHRI RAM COLLEGE  
*Kanpur*  
Authorised Signatory

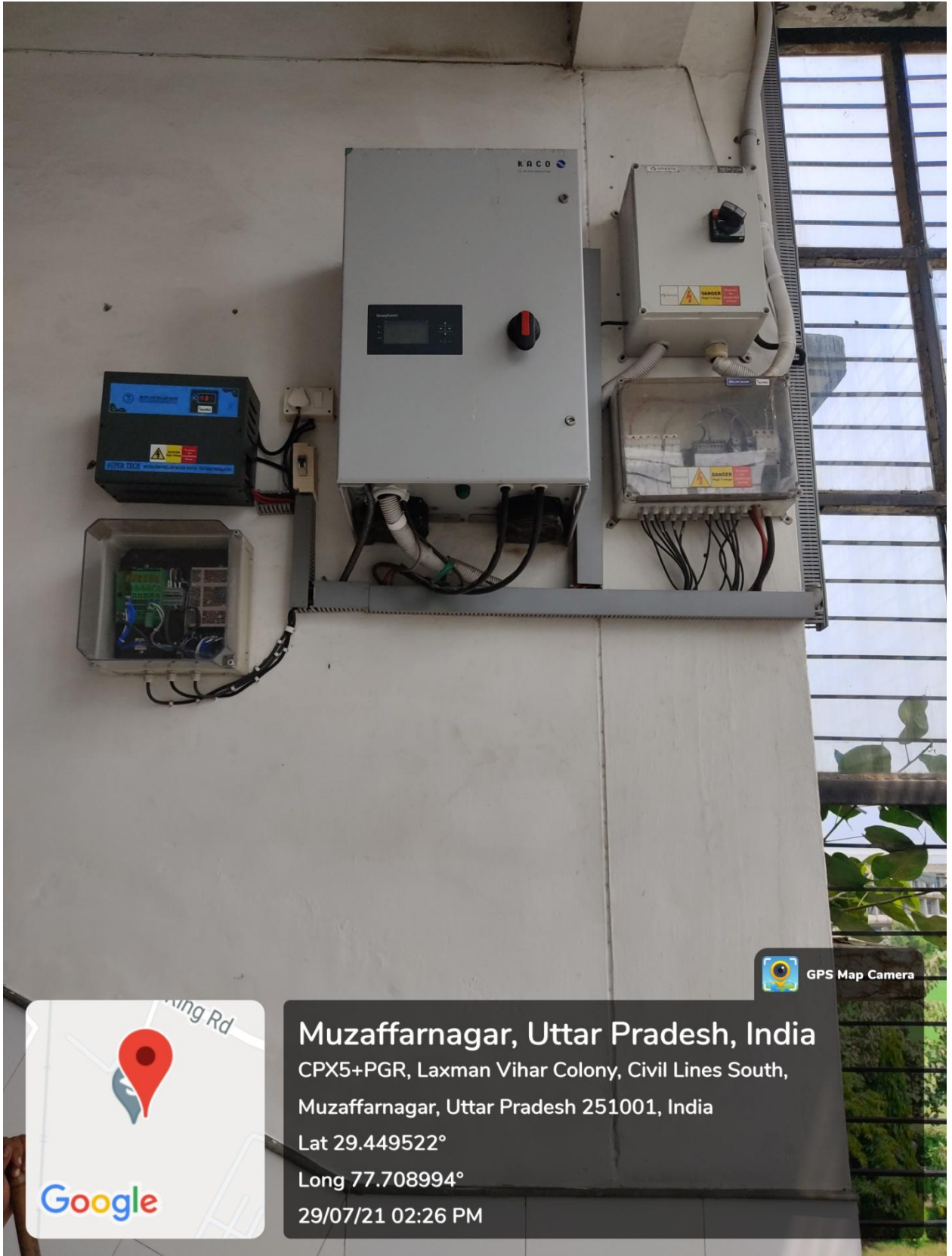
# SOLAR POWER INVERTER/CONTROLLER




GPS Map Camera



**Muzaffarnagar, Uttar Pradesh, India**  
570/196, Bhartiya Colony, Laxman Vihar Colony, New  
Mandi, Muzaffarnagar, Uttar Pradesh 251001, India  
Lat 29.450128°  
Long 77.70954°  
16/08/21 09:16 AM



 GPS Map Camera



## Muzaffarnagar, Uttar Pradesh, India

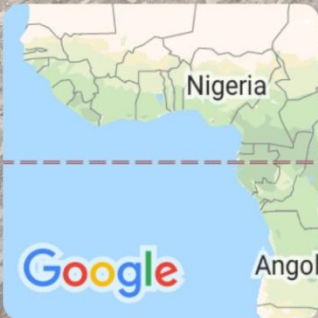
CPX5+PGR, Laxman Vihar Colony, Civil Lines South,

Muzaffarnagar, Uttar Pradesh 251001, India

Lat 29.449522°

Long 77.708994°

29/07/21 02:26 PM



## Muzaffarnagar, Uttar Pradesh, India

51, Indraprasth Colony, Laxman Vihar Colony, Civil Lines South,  
Muzaffarnagar, Uttar Pradesh 251001, India

Lat N 29° 26' 57.1956"

Long E 77° 42' 32.6448"

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Shri Ram  
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Google

**Muzaffarnagar, Uttar Pradesh, India**

51, Indraprasth Colony, Laxman Vihar Colony, Civil Lines South,  
Muzaffarnagar, Uttar Pradesh 251001, India

Lat N 29° 26' 58.9344"

Long E 77° 42' 33.5592"

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**Muzaffarnagar, Uttar Pradesh, India**

51, Indraprasth Colony, Laxman Vihar Colony, Civil Lines South,  
Muzaffarnagar, Uttar Pradesh 251001, India

Lat N 29° 26' 58.6608"

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14/06/21 11:19 AM