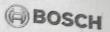
# INVOICE

#### CUSTOMER:

M/s PKM Educational Trust, No 67 Raja Reddy Layout Near Chickabanavara Railway Station Chickabanavara, Hesareghatta Road, Bangalore 560090 India

INV No.: BEBS2014IC038 Date: 9-Feb-15

Customer Ref : PO:BEBS-SIN-14-10-S0149/02
Customer Code : 17021519



Bosch Limited Adugodi, Hosur Road Bangalore 560030 India

Tel: +91 80 222-20088 Fax: +91 80 222-72728

Your ref/date

Our Reference
Project No:
Our ServiceTax Reg No: AAACM 9840PST001
Our PAn: AAACM 9840 PST001
Our PAn: AAACM 9840 P
CIN: L85110KA1951PI CO00 PA

	Particulars	0110KA1951PLC00076	
10	Category : Installation Services	Currency	, Total Price
1	Statistion Services		
1 11	nstallation & Commissioning for 100kWp Solar Power Plant	INR .	364,8
1			
	TOTAL		364,8
Se	fvice Tax @ 12.00%	INR	43.78
Hig	ss @ 2% ther Education Cess @1%	INR INR	43,76 87 43
	13 11 7 17		
			410,00

Payment should be made as per the agreed terms, otherwise Interest will be charged as applicable. All disputes arising out of this Service are subject to the jurisdication of the courts in Bangalore or elsewhere according to Bosch's option.

<u>-</u>

for Bosch Limited

1. 16 . 20

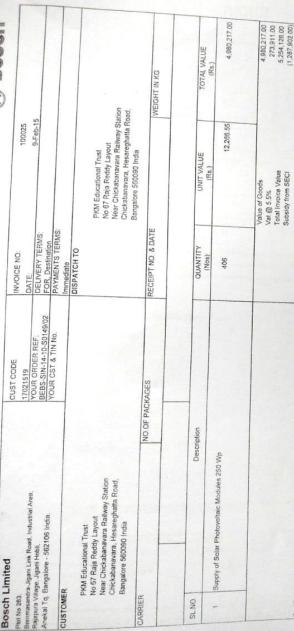
**Authorised Signatory** 



Registered Office: Post Box 3000. Hosur Road, Adugodi, Bangalore - 560030. India. Phone: 080 - 22220088

TAX INVOICE

D



Rupees Thirty Nine Lakh Sixty Six Thousand Two Hundred Twenty Six Only additional consideration directly or indirectly from the buyer.
Our TIN No. 22/40/198619
CIN L85110KA1951PLC000761

VALUE IN WORDS.

Certified that the particulars given above are true and correct and the amounts indicated represent the price actually charged and that there is no flow of

3,966,226.00

Total Net Payable

Payment should be made as per the terms should be sent immediately on receipt of this invoice, otherwise sales

Tax declaration form covering this supply should be sent immediately on receipt of this invoice, otherwise sales

Tax will be charged as applicable, expections, if any, should be advised to us giving full particulars for our further
action within 8 days from the date of receipt of goods by you. All disputes anising out of this sale are subject to
the jurisdiction of the courts in Burgalon or elsewhere accords by four. All disputes anising out of this sale are subject to
supplementary to the BOSCH Ltd General Terms of Delivery

Bankers. State Bank Of India, Cambra Bank, Citi Bank, Deutsche Bank AG

Registered Office, Post Box 3000, Hesur Road, Adupori, Bangalone - 560030, India Phone 080 - 22220088, 22992111

for Bosch Limited









































































































11226-31

SPP No: BN-07/15-16

Office of the Additional Chief Electrical Inspector, Bangalore North,
No: 2/4 "Aragini Bhavana'
Dr. Rajkumar Road, Rajajinagar,
Bangalore-560 010

Date: 24-3-2016

Sub: Approval to commission the electrical installation of 50kWP roof top solar plant at (Existing R.R. No: N5HT-399) at Pharmacy Block of M/s. PKM Education Trust, Chikkabanavara, Bangalore

Ref: 1. BESCOM permission ltr No: AEE (EI)/N5/15-16/68 dated: 22.05.2016

- 2. Drawing approval letter No: ACEI/BN/AEI (O)/SD-04/3074-78/15-16,
- 3. Work Completion Report vide Ltr. No: nil, dated: 22.12.2015
  4. T.O. Defect Ltr No: ACEI/BN/AEI (O)/8615-16/15-16 Dt. 30.12.2015.

Approval as required under regulation 32 of the CEA regulations 2010 is hereby accorded to commission electrical installation of 50kWP roof top solar plant of at Pharmacy Block of M/s. PKM Education Trust No 30/1 Rajaraddy Layout Chikkebanayara Bangalore as the electrical installation Education Trust, No:39/1, Rajareddy Layout, Chikkabanavara, Bangalore, as the electrical installation is found to be in general conformity with the CEA regulations 2010.

This approval is issued subject to the conditions mentioned overleaf.

		and subject	ETAILS OF Possessioned overleaf.
- [	SI. No	Name of Details	ETAILS OF EQUIPMENTS:
	1	BESCOM RR No.	Details
Ī	2	Solar Panel/Module	N5HT-399
1	3	Inverter	Make: BOSCH, 250Wp, Qty: 200.
- 1		mverter	Make: Refusol, 25kw,
	4	AC DD D	SI. No: 1) 120001178, 2) 120001176
	5	AC DB Panel	Make: ABB, 180A, MCCB.
F	6	Solar Energy Meter	Make: Techno, Type: A
<b>6</b>	7	AC Cable	Make: Techno, Type: Analog, SI.No:208573
$\vdash$		DC Cable	4CX35sqnm → copper Cable, Length -10 Meters  1RX6C sqnm, Copper 1 6 KW
	-	Bidirectional Energy Meter	in Metering Compet 1.0 KV, Length-200 Meters
	- 1	HT metering Cubical	Switchgear, SLNo:150918k417
- 1	- 1		31.140.1309181417
- 1	- 1		
	- 1		Burden: 2.5VA, 5/1-1A, SI.No:1) VYC-K-3313,2) VYC-K-3314, 3) VYC-K-3315
	- 1		Potential Trans
	- 1		Potential Transformer, Make: Vyoma,
	- 1		VYP-K-2111,2) VYP-K-2112, 3) VYP-K-2113 Bidirectional Fnergy May
	- 1		Bidirectional Energy Meter, Make: L&T, 3P4W, cl: 0.2, 50000impulse/kw/s Name: L&T, 3P4W,
1		~	cl: 0.2, 50000impulse/kWh, Model: PRS400.3,
-			SI. No: 1) 15193664 (Main meter) 2) 15193614 (Check meter)
			, , , , , , , , , , , , , , , , , , , ,



# PKM Educational Trust (R)

Date 30/12/2015

The Executive Engineer, N5 Division, BESCOM, Bangalore.

Dear Sir,

Ref:- Approval letter

for N5HT 492

Sub:- Completion of Solar Roof-Top installation

With reference to the above, we would like to bring your kind notice that we have completed the solar PV plant installation and find below the confirmation of the points.

- 1. Net metering panel has been installed with due calibration and certification from BESCOM
- A Separate LT meter has been fixed at the output of Inverter for measuring solar generation.
   As per your advice the following has been completed and we are submitting required document along with this letter.
  - a. Facilitation fee of Rs. 5,000/- has already been remitted
  - Test Certificate of Bi-directional meter from BESCOM is attached
  - The drawing approval from CEI, GOK has been received for the installation vide letter No:
  - Power purchase agreement on a Rs. 200/- stamp paper is enclosed herewith
  - Work completion report from the system installer is attached
  - f. We have enclosed a cancelled cheque for the account bank details.

You are hereby requested to arrange for the inspection and grid synchronization so that the plant can be commissioned at the earliest.

Looking forward to your support for in this regard so that we can complete this at the earliest.

Thanking you, Iran.

Secretary PKM Educational Trust

PKM Educational Trust
Chikkabanavara, Bangalore - 560 090.
Raja Reddy Layout. Near Chikkabanavara Railway Station. Chikkabanavara. Hesaraghatta Road. Bangalore - 560 090
Phone : +91-80-65326100 / 28391553-4-5 Fax +91-80-28396210. Helpline 98451 72776
E-mail contact@minstitutions.com. www.minstitutions.com.



# INDIA NON JUDICIAL Government of Karnataka

#### e-Stamp





Certificate Issued Date Account Reference

Unique Doc. Reference Purchased by

Description of Document

Description Consideration Price (Rs.)

First Party Second Party Stamp Duty Paid By Stamp Duty Amount(Rs.) IN-KA34065057095628N

26-Mar-2015 10:46 AM

NONACC (FI)/ kaksfcl08/ KALYANNAGAR/ KA-BA

SUBIN-KAKAKSFCL0818326645831007N

BESCOM AEE N5 SUB DIVISION

Article 41 Power of Attorney

POWER PURCHASE AGREEMENT

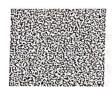
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BESCOM AEE N5 SUB DIVISION

RAJA REDDY P.K M TRUST

BESCOM AEE N5 SUB DIVISION

(Two Hundred only)



#### POWER PURCHASE AGREEMENT FOR ROOFTOP SOLAR PV PLANTS WITH NET METERING ARRANGEMENT

This Power Purchase agreement is entered into at Bangalore on this Bangalore Electricity Supply Company Limited (BESCOM), a Government of Karnataka undertaking, a Company formed and incorporated in India under the Companies Act-1956, with its registered office located at K R Circle, Bangalore, Karnataka State, hereinafter referred to as the "BESCOM" (which expression shall, unless repugnant to the context or meaning thereof, include its successors and permitted assigns) as part of the first part represented by EE, C, O & M, NS Sub-division.

Secretary

PKM Educational Trust

Chikkabanavara, Bangalore - 560 090



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#### ಕರ್ನಾಟಕ ಸರ್ಕಾರ Government of Karnataka

Documentripe

#### ನೋಂದಣೆ ಹಾಗೂ ಮುದ್ಗಾಂಕ ಇಲಾಖೆ Registration and Stamps Department

Mel and

this shoot can be used to any document

'ಮುಗ್ರವೇಜನ್ನು ಬರೆದುಕೊಟ್ಟ ಬನಾಂಕ' Bate of execution ರಾವರ್ಗಿದ ಪಿಟ್ಟು ಮುದ್ರಾಂಕ ಕಟ್ಟು ರೂ Total stamp duty paid Hs

#### AND

V. Raja Reddy Papamma Kalayana Mantapa Education Trust, # 39\1 Near Railway Station. Chickabanavara, Bangalore- 560090, hereinafter referred to as the "Seller" (which expression shall, unless repugnant to the context or meaning thereof, include is successors ad per mitted assigns) as part of the second part.

#### Whereas,

- a. The Settler intends to connect and operate the Solar Roof Top Photo Voltaic (SRTPV) system with BESCOM's HT/LT Distribution system for sale of Solar Power to BESCOM in terms of the Karnataka Electricity Regulatory Commission (KERC) Order No's/03/01/2013 dated 10.10.2013 or as amended from time to time.
- b. The Seller intends to install/has installed a SRTPV system of 50 kWp capacity on the roof top of the premises situated at V. Raja Reddy Papamma Kalayana Mantapa Education Trust, # 39\1 Near Rajlway Station. Chickabanavara, Bangalore- 560090, and connected to electricity service connection bearing number (RR.No. N5 H.T 492 in the same premises under N5 Sub Division of BESCOM.
- c. The Seller intends to sell ne energy exported from the SRTPV system to BESCOM as recorded in the bi-directional meter installed in the seller's premises, from the date of commissioning of the SRTPV system.
- d. BESCOM intends to purchase net energy exported by such SRTPV system at the tariff determined by the KERC.

Now therefore, in consideration of the foregoing premises the parties hereto, intending to be legally bound hereby agree as under:

PKN Educational Trust
Chikkabanavara, Bangalore - 560 090.



1. Technical and Interconnection Requirements:

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Seller shall ensure his SRTPV system complies with the following technical and Interconnection Requirement and shall:

- 1.1 Comply with the standards and conditions in respect of integrating the SRTPV system with the grid/distribution system.
- 1.2 Connect the SRTPV system to BESCOM's distribution system and shall be bound by requirement of State Grid and distribution Code as amended from time to time.
- 1.3 Install, prior to connection of SRTPV system to BESCOM's distribution system, an inverter with an automatic inbuilt isolation devise.
- 1.4 Provide external manual isolation mechanism with suitable locking facility so that SRTPV system will not back-feed into the BESCOM's network in case of power outage of the BESCOM's system, and it shall be accessible for BESCOM to operate, if required, during maintenance/emergency conditions.
- 1.5 Install all the equipment of SRTPV system compliant with relevant International (IEEE/IEC) and Indian standards (BIS)
- 1.6 SRTPV system shall be designed, engineered and constructed and operated by the seller or on his behalf with reasonable diligence subject to all applicable Indian laws, rules, Regulations as amended from time to time and orders having the force of law.
- 1.7 Adhere to the following power quality measures as per the International and Indian standards and/or such other measures stipulated by KERC/BESCOM.
  - Harmonic current: Harmonic current injections from a generation unit shall not exceed the limits specified in IEEE 519.
  - Voltage at the injection point should be in the operating range of 80% to 110% of the nominal connected voltage.

PKM Educational Trust
Chikkabanavara, Bangalore - 560 090.

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- c. Flicker: Operation of Photovoltaic system should not cause voltage flicker in excess of the limits stated in the relevant sections of IEC standards or other equivalent Indian standards, if any.
- Frequency: When the Distribution system frequency deviates outside the specified conditions (50.05 Hz on upper side and 47.5 Hz on lower side), the SRTPV system shall shift to island mode
- e. DC Injection: Photovoltaic system should not inject DC power more than 0.5% of all rated output at the interconnection point or 1% of rated inverter output current into distribution system under any operating conditions.
- f. Power Factor: While the output of the inverter is greater than 50% a lagging power factor of greater than 0.9 shall be maintained.
- 1.8 The SRTPV system in the event of voltage or frequency variations must island/disconnect itself as per IEC standards within the stipulated period.

#### 2. Safety:

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The seller shall comply with the following safety measures:

- 2.1 The seller shall comply with the Central Electricity Authority (Measures Relating to Safety And Electricity Supply) Regulations 2010.
- 2.2 The Seller shall ensure that, the design, installation, maintenance and operation of the SRTPV system is in a manner conducive to the safety of the SRTPV system as well as the ESCOM's distribution system.

Secretary
PKN Educational Trust



2.3 If the seller's SRTPV system either causes damage to and/or produces adverse effects on the other consumers or BESCOM's assets, Seller will disconnect SRTPV system immediately from the distribution system by himself or upon directions from the BESCOM and rectify the same at his own cost before reconnection.

#### 3. Clearances and Approvals:

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The Seller shall obtain BESCOM's and other statutory approvals and clearances before connecting the SRTPV system to the distribution system.

#### 4. Access and Disconnection

- 4.1 BESCOM shall have access to metering equipment and disconnecting device of SRTPV system, both automatic and manual, at all times.
- 4.2 In emergency or outage situation, where there is no access to a disconnecting device either automatic or manual, the BESCOM shall have the right to disconnect power supply to the premises.

#### 5. Liabilities

The Seller shall be solely responsible for availing any fiscal or other incentive provided by the State/Central Government, at his own expenses.

## 6. Commercial Settlement

#### 6.1 Tariff

a. The BESCOM shall pay for the net metered energy at Rs.9.56per KWh as determined by the KERC for the term of the agreement.

'Secretary
PKN Educational Trust
Chikkabanavara, Bangalore - 560 090



- b. The Seller shall pay the Electricity tax and other statutory leview, pertaining to SRTPV generation, as may be levied from time to time.
- c. The seller shall not have any claim for compensation, if the Solar power generated by his SRTPV system could not be absorbed by the distribution system due to failure of power supply in the grid/distribution system for the reasons, such as line clear, load shedding and line faults, whatsoever.

#### 7. Metering:

7.1 The parties shall arrange to shift the existing meter to the generation side of SRTPV to measure solar power generation and install Bi-directional meter (whole current/CT operated) for recording export and import of energy at the point of interconnection to the distribution system. The bi directional meter shall comply with the Central Electricity Authority (Installation and operation of meters) Regulations, 2006 and shall have the following features:

- Separate registers for recording export and import energy with facility to download by Meter Reading instrument (MRI).
- ii. kVA, kW and kVAR measuring registers for both import and export.
- Meter shall have RS232 (or higher) communication optical port/Radio Frequency (RF) port to support Automatic Meter Reading (AMR).
- 7.2 The seller shall install the meter of SRTPV system and bi directional meter in separate meter boxes in the same proximity or at a suitable place in the premises accessible for recording the reading whenever necessary.

Secretary
PKNi Educational Trust



# 8. BILLING AND PAYMENT:

- 8.1 BESCOM shall issue monthly electricity bill for the net metered energy on the scheduled date of meter reading.
  - 8.2 In case, the exported energy is more than the imported energy, BESCOM shall pay for the net energy exported as per Tariff agreed in this agreement within 30 days of issue of bills duly adjusting the fixed charges and electricity, duty if any.
  - 8.3 In case, the exported energy is less than the imported energy, the seller shall pay BESCOM for the net imported energy as per the prevailing retail supply tariff determined by the commission from time to time.
  - 8.4 BESCOM shall pay interest at the same rates as is being levied on the consumers for late payment charges in case of any delay in payment for the net energy exported beyond 30(thirty) days period from the date of issue of bill.
- Explanation: Net metered energy means the difference of meter readings of energy injected by the SRTPV system into the grid (export) and the energy drawn from the grid for use by the seller (import) recorded in the bi-directional meter.

### 9. Terms and Termination of the Agreement:

9.1 This agreement shall be in force for a period of 25 years from the date of commissioning of the SRTPV system unless terminated otherwise as provided here under.

PKNi Educational Trust
Chikkabanavara, Bangalore - 560 090.



- 9.2 The Seller shall have the right to terminate this agreement at any time by serving a written notice 60 (Sixty) days in advance to BESCOM.
- 9.3 If the Seller commits any breach of the terms of the Agreement, BESCOM shall serve a written notice specifying the breach and calling upon the seller to remedy/rectify the same within 30 (thirty) days or at such other period from the delivery of the notice, ESCOM may terminate the agreement by delivering the termination notice, if the seller fails to remedy/rectify.
- 9.4 Upon termination of this Agreement, seller shall disconnection the SRTPV system from the distribution system and intimate the same to BESCOM.

#### 10. Dispute Resolution:

All the disputes between the parties arising out of or in connection with this agreement shall be first tried to be settled through mutual negotiation. The parties shall resolve the dispute in good faith and in equitable manner. In case of failure to resolve the dispute, either of the parties may approach the appropriate Forum of law.

IN WITNESS WHEREOF, the Seller and the BESCOM have entered into this Agreement executed on the date and year first set forth above.

For AND ON BEHALF OF Bangalroe Electricity Supply Company Limited	For AND ON BEHALF OF SELLER
By: (Name) Designation:	By: (Name) Designation:
Address:	Address WITNESS:
WITNESS: In Presence of	In Presence of
Name & Designation:	Name:
WITNESS:	WITNESS: In Presence of
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Name & Designation:	Name:

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