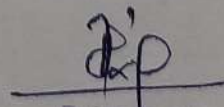


Date	Particulars	Cashier	Vch Type	Vch No.	Debit	Credit
	Brought Forward				5,79,357.00	
12-10-2021	Cr (as per details) Mohanlal IMEET Being Chq no 051756/BOI/Khalapur/imeet, used for Mess cook Salary & Remaing amount of Solar EMI for the Month of October 2021.	SANKET	Journal	667	10,620.00	
					66,000.00 Dr 76,620.00 Cr	
12-11-2021	Cr IMEET EMI November 2021 Being Chq No 051790/BOI/Khalapur, imeet used for Solar EMI for November 2021. As per received instructions.	SANKET	Journal	769	66,733.00	
6-12-2021	Cr (as per details) Sandeep Inamdar (Cr) IMEET EMI Dec 2021 Being Chq No 052030/BOI/imeet used for Loan EMI Of Inamdar Sir & Solar for the Month of Dec 2021.	SANKET	Journal	1060	66,733.00	
					71,288.00 Dr 1,38,021.00 Cr	
10-1-2022	Cr (as per details) Sandeep Inamdar (Cr) Vcaad Solar EMI Jan 2022 Being Chq No 034311/BOI/IMEET/Khalapur, VCAAD against Loan EMI & Solar EMI for the month of January 2022. As per received instructions.	SANKET	Journal	1227	66,733.00	
					71,288.00 Dr 1,38,021.00 Cr	
9-2-2022	Cr (as per details) Sandeep Inamdar (Cr) IMEET ch no 051926 issued by imeet against EMI Feb-22	bhakti	Journal	1780	66,733.00	
					71,288.00 Dr 1,38,021.00 Cr	
Dr	Closing Balance				8,56,909.00	
						8,56,909.00
1-4-2022	Cr Opening Balance				8,56,909.00	8,56,909.00
6-4-2022	Cr (as per details) Sandeep Inamdar (Cr) IMEET being ch no 051858 - issued from imeet - pathak Cleantech Pvt Ltd 2EMI & Loan Emi	admin	Journal	17	1,33,466.00	
					71,288.00 Dr 2,04,754.00 Cr	
Dr	Closing Balance				9,90,375.00	
						9,90,375.00
					9,90,375.00	9,90,375.00

TRUE COPY


 Principal
 Vishwaniketan's (I MEET)



Maharashtra State Electricity Distribution Co. Ltd.

BILL OF SUPPLY FOR THE MONTH OF APR-2022

202204352532988

GSTIN:27AAECM2933K1ZB

Website:www.mahadiscom.in

HSN CODE:27160000

PEN CIRCLE - 525 PANVEL(R) DN - 544 KHALAPUR SUB-DIV. - 813

1

Consumer No. : 030919025500

Consumer Name : Vishwa Niketan

Address : Survey No. 52/3, 54/2, 55 & others
Village Kumbhiwali, Tal. Khalapur, Dist. Raigad

Village: Kumbhiwali

Pin Code : 410206

BILL DATE	05/05/2022	7,02,820.00
DUE DATE	19/05/2022	
IF PAID UPTO	11/05/2022	7,00,050.00
IF PAID AFTER	19/05/2022	7,07,090.00

Last Receipt No./Date : 0008399995 / 25-04-2022

Last Month Payment : 2,42,790.00

Scale / Sector : Small Scale / Private Sector

Email : ***hwaniketan@gamil.com

Mobile No. : 90*****83

Meter No : 055-Q0420749

Seasonal :

Load Shed Ind : OTHER

Sanctioned Load (KW) : 375

Connected Load (KW) : 375.00

Urban/Rural : Rural

Express Feeder : No

Contract Demand (KVA) : 250.00

65% of Con. Demand (KVA) : 162.50

Feeder Voltage (KV) : 22

LIS Indicator :

Tariff : 170 HT-VIII B

old trf HT-VIII B

Date of Connection : 30/07/2013

Category : PUBL. SERVICES OTH

GSTIN :

Supply at : HT

Elec. Duty : 07 PART B

PAN :

Prev. Highest (Mth) : FEB

Prev. Highest Bill Demand (KVA) : 92

S.D. Held Rs. : 5,65,900.00

Addl. S.D. Demanded Rs. : 0.00

Bank Guarantee Rs. : 0

S.D. Arrears Rs. : 0.00

BILLING HISTORY

Bill Month	Units	Bill Demand(KVA)	Bill Amount
MAR-22	24,917	150	3,78,086
FEB-22	13,741	150	2,39,790
JAN-22	4,994	150	1,36,086
DEC-21	8,929	150	1,82,270
NOV-21	7,569	150	1,66,649
OCT-21	5,027	150	1,38,480
SEP-21	2,911	150	1,13,428
AUG-21	2,292	150	1,08,840
JUL-21	1,183	150	94,162
JUN-21	1,118	150	93,295
MAY-21	6,059	150	1,48,391
APR-21	8,954	150	1,83,853

CUSTOMER CARE Toll Free No.
1912, 1800-233-3435, 1800-102-3435

IGRC: Chairmen, IGRC & The Ex. Engineer
(Admin.) MSEDCL - Pen Circle Pen, Phone -
02143252099

In case of non-redressal of grievance here,
consumer may make his representation to below
forum

CGRF: The Ex. Engineer & Member Secretary,
"Tejashree" Jahangir Maidan CGRF Kalyan, Phone
- 02512210707

For making Energy Bill payment through RTGS/NEFT mode, use following details

- o Beneficiary Name: MSEDCL
- o Beneficiary Account Number: **MSEDHT01030919025500**
- o IFS Code: **SBIN0008965** (fifth, sixth and seventh character is zero)
- o Name of Bank: SBI Bank
- o Name of Branch: IFB, BKC Branch-MSEDCL

Disclaimer: Please use above bank details only for payment against consumer number mentioned in beneficiary account number.

- Tariff Revised w.e.f. 01.04.2022. Tariff Order is available at Mahavitaran Portal.
- Physical Bills are not served. You can view and pay bill online at portal <https://wss.mahadiscom.in/wss/wss>
- Consumer can pay bill through portal using various online modes.
- As per Income Tax provision vide section 269 ST cash receipt of Rs. 2.00 lakhs and above will not be accepted by MSEDCL against any type of payment.
- As per MERC order dt. 24/02/2021, monthly energy bill payment in cash is limited Rs.5000/- w.e.f. 01/11/2021.
- As per GoM Notification dtd. 14.08.2020, rate of Electricity Duty for Part-F Industrial is revised from 9.3% to 7.5% from billing month Aug-20
- Activity: EDUCATIONAL INSTITUTIONS SCHOOLS AND COLLEGES OTHER THAN THE STATE OR CENTRAL GOVERNMENT OR LOCAL SELF GOV.BODIES

Important Message :

- Consumers can pay online using Net Banking, Credit/Debit cards at <https://wss.mahadiscom.in/wss/wss> after registration.
- Submit / update your E-mail id and mobile number to Circle office for receiving prompt alerts through SMS.
- Submit / update your PAN and GSTIN to circle office with copies of PAN and GSTIN for verification.
- Special desk is operational for HT Consumers, please contact : htconsumer@mahadiscom.in for any clarification / query / grievance.
- This Electricity Bill should not be used for the address proof and as a proof of property ownership.
- For any payment to MSEDCL , ENSURE & INSIST for computerized receipt with unique system generated receipt number.

TRUE COPY

[Signature]
Principal

Vishwaniketan's (I MEET)

CURRENT CONSUMPTION DETAILS

Reading Date	KWH	KVAH	RKVAH (LAG)	RKVAH (LEAD)	KW (MD)	KVA (MD)
Current 30/04/2022	31477.000		6523.000	55.000	19.606	19.759
Previous 31/03/2022	25832.000		5543.000	55.000		
Difference	5645.000		980.000	0.000		
Multiplying Factor	4.000		4.000	4.000	4.000	4.000
Consumption	22580.000		3920.000	0.000	78.424	79.036
L.T. Metering	0.000		0.000	0.000	0.000	0.000
Adjustment-Solar	-1199.000		0.000	0.000	0.000	0.000
Assessed Consumption	0.000		0.000	0.000	0.000	0.000
Total Consumption	21381.000	21907.000	3920.000	0.000	78.000	79.000

BILLING DETAILS

Amount in Rs.

Billed Demand (KVA)	163	@ Rs.	454.00	Demand Charges	74,002.00	
Assessed P.F.		Avg. P.F.	0.976	Wheeling Charge @ 0.55 Rs/U	12,048.85	
Billed P.F.	0.976	L.F.	13	Energy Charges	1,96,286.72	
Consumption Type	Units	Rate	Charges Rs.	TOD Tariff EC	- 9,505.50	
Industrial	21,907	8.96	1,96,286.72	FAC @ 20.00 Ps./U	4,381.40	
Residential	0	5.70	0.00	Electricity Duty	58,214.83	
Commercial	0	10.95	0.00	Bulk Consumption Rebate	0.00	
E.D. on (Rs.)	Rate %	Amount Rs.		Tax on Sale @ 18.00 Ps./U	3,848.58	
0.00	0.00	0.00		Incremental Consumption Rebate	0.00	
0.00	16.00	0.00		Charges For Excess Demand	0.00	
2,77,213.47	21.00	58,214.83		Tax Collection at Source	0.00	
TOD Zone	Rate	Units	Demand	Charges Rs.	Debit Bill Adjustment	2,292.00
00:00 Hrs-06:00 Hrs & 22:00 Hrs-24:00 Hrs	-1.50	10,549	73.00	-15823.50	TOTAL CURRENT BILL	3,41,568.88
06:00Hrs-09:00Hrs & 12:00Hrs-18:00Hrs	0.00	5,342	79.00	0.00	Current Interest 01/05/2022	0.00
09:00 Hrs-12:00 Hrs	0.80	995	49.00	796.00	Principal Arrears	3,61,252.76
18:00 Hrs-22:00 Hrs	1.10	5,020	67.00	5522.00	Interest Arrears	0.00
Amount In Words	SEVEN LAKH TWO THOUSAND EIGHT HUNDRED TWENTY ONLY				Total Bill Amount (Rounded) Rs.	7,02,820.00
					Delay Payment Charges Rs.	4,269.61
					Amount Payable After 19/05/2022 (Amount Rounded to Nearest Rs. 10/-)	7,07,090

Incremental Consumption Rebate Annual Shortfall / Excess for FY 2021-2022 is adjusted in this bill. Refer attached sheet.

Total Solar Generation Units : 12052; Rooftop Solar Units Export : 1296, Banking Charge Units : 97, Import : 22580, Adjusted : 1199, Bank : 0; Rooftop Solar (Net Metering) Capacity : 100 KW; Rooftop Solar installation Month : May-21;
 **** PROMPT DISCOUNT Rs. 2772 IF PAID ON OR BEFORE 11-MAY-22

TRUE COPY

CONDITIONS

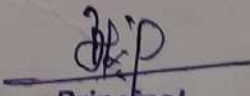
- The total bill amount of the bill may be remitted by a Crossed Demand Draft/Cheque drawn in favor of "Maharashtra State Electricity Distribution Co. Ltd." Whenever Security Deposit is demanded separate Cheque/Bank Draft should be sent.
- The current bill is payable within fifteen days from the date of issue of the bill. Even if there is any discrepancy in the bill or any other clarification needed, consumers are requested to pay the billed amount in full provisionally or under protest subject to review and subsequent adjustment, so that payment of delayed payment charges is avoided.
- This bill is issued subject to the provision of the "Conditions and Miscellaneous charges for supply of Electrical Energy" of the MSEDCL.
- Please quote the Consumer Number on the back of the Cheque. The payment of this bill should be made at Company's office only.
- If the cheque is sent by post, the same should be posted three clear days in advance of the due date.
- In case of payment made through RTGS/NEFT/Cheque/DD/Pay Order, the date of amount credited to MSEDCL's account will be treated as receipt date.

Collection Hours : 10-30 to 16-00 Hours (Except on Bank Holidays)

Export / Generation Meter Readings

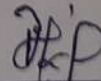
Meter Type	Current Reading		MF	Consumption	SLOTWISE UNITS		
	Previous Reading	Difference			Adjustment	Slot 1	Slot 3
Meter Serial Number				Total Consumption	Slot 2	Slot 4	
TOD EXPORT METER	30/04/22	7737.00	4.00	1296.00			
555-Q0420749	31/03/22	7413.00		0.00	0.00	412.00	
		324.00		1296	880.00	4.00	
TOD SOLAR GENERATION METER	30/04/22	28592.40	3.00	12052.00			
055-XG495516	31/03/22	24575.20		0.00	1.00	4117.00	
		4017.20		12052	7868.00	66.00	

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Principal
Vishwaniketan's (I MEET)

Adjustment Details

Adjustment Type	Debit Amount (incl in Bill)	Credit Amount (incl in Arrears)
Interest on Security Deposit	0.00	19,240.75
Incremental Consumption Rebate	2,292.00	2,292.00

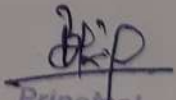
TRUE COPY

Principal
Vishwaniketan's (I MEET)

Incremental Consumption Rebate Annual Shortfall / Excess for FY 2021-2022

Bill Month	Current Month Units (KWH)	Ref Units (KWH)	Incr Rebate Units (KWH)	PF	Incr Rebate Unit (KVAH)	Incr Rebate Units Billed (KVAH)	Excess/Shortfall Units (KVAH)	Excess/Shortfall Amount (Rs.)
	(A)	(B)	(C = A - B)	(D)	(E = C / D)	(F)	(G)	
APR-21	8418	21511	-13093	0.94	-13929	0		
MAY-21	5586	21511	-15925	0.922	-17272	0		
JUN-21	1010	21511	-20501	0.903	-22703	0		
JUL-21	1078	21511	-20433	0.911	-22429	0		
AUG-21	2230	21511	-19281	0.973	-19816	0		
SEP-21	2742	21511	-18769	0.942	-19925	0		
OCT-21	4921	21511	-16590	0.979	-16946	0		
NOV-21	7342	21511	-14169	0.97	-14607	0		
DEC-21	8679	21511	-12832	0.972	-13202	0		
JAN-22	4784	21511	-16727	0.958	-17460	0		
FEB-22	13452	21511	-8059	0.979	-8232	0		
MAR-22	24518	21511	3007	0.984	3056	3056		
Total :					-183465	3056	-3056	DR: 2,292.00

TRUE COPY


 Principal
 Vishwaniketan's (I MEET)

Tax Invoice

Sensor based energy conservation

MTS Electronics

Shop No.36, First Floor, Royal Shell,
Next to D.Y. Patil College, Sr.No.29, Ravet
GSTIN/UIN: 27ABKFM8055C1Z5
State Name : Maharashtra, Code : 27
E-Mail : mtselectronics36@gmail.com

Buyer (Bill to)

VISHWANIKATAN'S IMEET
SURVEY NOS 52,54,55,56,57, KUMBHIVALI,
TAL, KHALAPUR
GSTIN/UIN : 27AABTV594EP1ZL
Contact : 9657753683

Invoice No. 521	Dated 9-Dec-21
Delivery Note	Mode/Terms of Payment
Reference No. & Date	Other References
Buyer's Order No.	Dated
Dispatch Doc No.	Delivery Note Date
Dispatched through	Destination
Terms of Delivery	

Sl No	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	ESP WROOM 32 MCU MODULE	8542	6 NOS	450.0000	NOS	2,700.0000
2	USB CABLE SAMSUNG V8	8544	4 NOS	60.0000	NOS	240.0000
3	NANO UNSOLDERED	8529	2 NOS	310.0000	NOS	620.0000
4	USB CABLE SAMSUNG V8	8544	2 NOS	50.0000	NOS	100.0000
5	Arduino UNO SMD CH340 - Compatible	84733020	1 NOS	420.0000	NOS	420.0000
6	USB CABLE BLUE COLOR	85441990	1 NOS	150.0000	NOS	150.0000
7	AD8232 ECG Sensor Module	90312000	3 NOS	590.0000	NOS	1,770.0000
8	HEART BEAT SENSOR MODULE	90312000	4 NOS	110.0000	NOS	440.0000
9	MAX30100 chip heart rate sensor module	85381010	4 NOS	185.0000	NOS	740.0000
10	DM-S1 MULTIMETER	85151100	1 NOS	170.0000	NOS	170.0000
11	JUMPER WIRES M/M	8544	120 NOS	2.5000	NOS	300.0000
12	BUZZER	8531	2 NOS	28.0000	NOS	56.0000
13	MLX90614ESF-BAA NON CONTACT INFRARED TEMPERATURE SO	8542	2 NOS	1,000.0000	NOS	2,000.0000
14	PCB-80X63 MM SS	85340000	6 NOS	15.0000	NOS	90.0000
15	GL-12 BREADBOARD (18 % GST)	8536	4 NOS	75.0000	NOS	300.0000
16	TP4056 MODULE WITH PROTECTION (18650)	85381010	2 NOS	45.0000	NOS	90.0000
17	LIPPO BATTERY 3.7V/500MAH	8504	6 NOS	138.0000	NOS	828.0000
18	2 PIN PBT CONNECTORS	8536	10 NOS	10.0000	NOS	100.0000
						11,114.0000
OUTPUT CGST 9% OUTPUT SGST 9% ROUND OFF						1,000.2600 1,000.2600 0.4800
Total			180 NOS			₹ 13,115.0000

Amount Chargeable (in words)

INR Thirteen Thousand One Hundred Fifteen Only

Company's Bank Details

Bank Name : Axis Bank
A/c No. : 918020112783475
Branch & IFS Code: Nigdi Pune

E. & O.E

Declaration

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

TRUE COPY
MTS ELECTRONICS
mlb

Authorized Signatory

This is a Computer Generated Invoice

HP
Principal Partner
Vishwanikatan's (I MEET)

8

Tax Invoice

MTS Electronics
 Shop No.36, First Floor, Royal Shell,
 Next to D.Y.Patil College, Sr.No.29, Ravet
 GSTIN/UID: 27ABKFM8055C1Z5
 State Name : Maharashtra, Code : 27
 E-Mail : mtselectronics36@gmail.com

Invoice No. 594	Dated 15-Feb-22
Delivery Note	Mode/Terms of Payment
Reference No. & Date.	Other References
Buyer's Order No.	Dated
Dispatch Doc No.	Delivery Note Date
Dispatched through	Destination
Terms of Delivery	

Buyer (Bill to)
ViSHWANIKATAN'S IMEET
 SURVEY NOS :52,54,55,56,57, KUMBHIVALI,
 TAL, KHALAPUR
 GSTIN/UID : 27AABTV5946P1ZL
 Contact : 9657753683

SI No	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
	Nodemcu ESP8266-32 CP2102 Based	85177010	1 NOS	460.0000	NOS	460.0000
	Usb Cable	85441990	3 NOS	45.0000	NOS	135.0000
	Nodemcu ESP8266-12 CP2102 Based	85177010	1 NOS	300.0000	NOS	300.0000
						895.0000
					9 %	80.5500
					9 %	80.5500
						(-).1000
	Total		5 NOS			₹ 1,056.0000

Amount Chargeable (in words) **INR One Thousand Fifty Six Only** E. & O.E

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
85177010	760.0000	9%	68.4000	9%	68.4000	136.8000
85441990	135.0000	9%	12.1500	9%	12.1500	24.3000
Total	895.0000		80.5500		80.5500	161.1000

Tax Amount (in words) : **INR One Hundred Sixty One and Ten paise Only**

Company's Bank Details
 Bank Name : Axis Bank
 A/c No. : 918020112783475
 Branch & IFS Code: Nigdi Pune & UTIB000T494

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

MTS ELECTRONICS For MTS Principal
Vishwaniketan's (i MEET)
 Authorised Signatory

TRUE COPY

ऑफिस नोट

दि. 6/5/19

विश्वनिकेतन कॉलेज / हॉस्टेल / वर्कशॉप/संकुला च्या कामासाठी पुढील प्रमाणे खर्च करण्यात आला.

अ. क्र	कामाचे स्वरूप	दिनांक	विल क्र	रक्कम	शेरा
1	Led Tube light.		801	4720	
2	Iswat				
3					
4					
5					
6					
7					

एकूण रक्कम = 4720

- वरील कामांकरिता एकूण रु. 4720.00/- खर्च आला त्यासाठी रु. 5000.00 / अॅडव्हास घेण्यात आला होता. शिल्लक रु. 280.00 / एवढी आहे. ती रक्कम जमा करत आहे. या कामासाठी रु. — / जादा रुपये लागले. सर्व विले सोबत जोडलेली आहेत. तरी विल मंजूर करण्यात यावे याची नोंद नोंदवहीत घेतली आहे.
- वरील कामासाठी रु. — / खर्च आला. यासाठी अॅडव्हास घेण्यात आला नव्हता एकूण खर्च रु. — / झाला आहे. तो मी स्वतः केला आहे. / त्याची परिपूर्ती करावयाची आहे. तरी देयके सोबत जोडलेली आहेत व नोंदी घेतल्या आहेत. तरी मंजूरी घ्यावी ही विनंती.

Jaykish

सादरकर्याचे नाव, (हुद्दा व सही)

(Jaykish Parvane)

TRUE COPY

BBP

Principal
Vishwaniketan's (I MEET)

mmw

6/5/19

To

Account

Approved Rs.
4720 = 00

C.E.O./Principal

BBP

(Dr. B.R. Patil)

Advance Application

To,

Date: 25/4/2019

The Secretary/CEO/Director/Principal,

Vishwaniketan & Vishwaniketan's IMEET.

I am Mr/Ms/Mrs Jagdish Parange

Department Estate (Hostel)

Purpose of advance Tube set (Led) - 10

Box Tube - 5 for Girls' & Boys hostel.

Advance amount Rs 7000/-

Rs. In word Seven thousand only

होस्टेलीयत रयुष जेव्या रूपून नविण बसवोव
जारेये माहे. आपल्याडे एडी सिव्ळय रयुष नाहे तब नविण
खोरी दुल्ल्याय परवाकी द्याकी क वकील लयुष नेगूट करावी.

Jagdish Parange
Parange 25/4/19

Receiver's signature

Secretary/CEO/Director/Principal

10 Philips regular Tubelight (LED)
Rs 5000/- approved.

TRUE COPY

Principal
Vishwaniketan's (I MEET)

25/4/19

TAX - INVOICE

Mob.: 9892156820

Shree Char Bhuja

Electrical and Hardware Store

All kinds of Electric, Hardware, Paint, Pipe Fitting, Building Material, P.V.C., SWR Pipe, Cable Specialist & Industrial Items Suppliers

Dealers in : Ancher, Asian Paints, Polycab wire, Prince Pipe

Shop No. 4, Near Green Park Hotel, Opp. ICICI Bank, Shilphata, Khopoli.

Email: dehoudhary241@gmail.com

GSTIN : 27BAOPC0848M1ZD

Pan No. :

M/s. Vishwaniketan's
 Address : _____
 State : 27 Maharashtra

Tax Invoice No.: 801
 Date : 28/4/19
 Buyer GSTIN No.: 27AABTV5946P1ZL
 Vehicle No.: _____

Sr. No.	Product Description	HSN Code	Qty.	Rate	Taxable Value	CGST		SGST		Total
						%	Amount	%	Amount	
2.	Led tube light 18watt		10 nos	4000	4000	9	360	9	360	4720
TOTAL					4000		360		360	4720

Vishwaniketan's Estate Office
 Inward No. 517
 Date: 28/4/19 Sign. [Signature]

Rupees: Four Thousand Seven Hundred

Twenty Only
 Term of Payment : 30 Day.

[Signature]

Total Amount Before Tax	4000
Tax Amount : CGST 9%	360
Tax Amount : SGST 9%	360
Tax Amount : IGST	
Total Amount :	4720

We hereby certify that my/our registration certificate under the GST Act 2017 is in force on the date on which the sale of goods specified in this tax invoice is made by me/us and that the transaction of sale covered by the turnover of sale while filing of return and the due tax.

TRUE COPY For Shree Char Bhuja

[Signature]
 Principal
 Vishwaniketan's (I MEET)

[Signature]
 Proprietor

Notis

विश्वविद्यालय संकुलामध्ये हॉस्टेल (गर्ल हॉस्टेलसाठी)
ट्यूब लाईट स्विकरी करण्यात आल्या व त्या लाईट
गर्ल हॉस्टेल स्वग 13, 14, 15, 16 व T.V. स्वग मध्ये
लावण्यात आल्या आहेत

या शाही आलेख स्वर्ची/17207 आले. आहे
सर्व साहीत्य तपासून होणारे आहे ते
वेवसायी रित्या आहे

This is to certify that the items in the
Bill No. 801 are received
in good condition and entered in
the consumable register on paper No.
Sr.No. dated 6/5/2019

ADDET/ELE/8/37/33

Admin Dept

Lab Asst/Incharge

ऑफिस नोट

दि. 6/4/22

विश्वविद्यालय कॉलेज / हॉस्टेल / जर्वाशीप / संकुला च्या कामासाठी पुढील प्रमाणे खर्च करण्यात आला **वॉरिंग्टन इलेक्ट्रिकल सर्व्हिसेस प्रा. लि.**

अ. क्र	कामाचे स्वरूप	दिनांक	विल क	रक्कम	शेरा
१	2.5 samra wine	6/4/22	35	10352	
२	20w led tub				
३	2.5 capacitor				
४	/				
५	/				
६	/				
७	/				
एकूण रक्कम =				10352	

वरील कामाकरीता एकूण रु. 10,352/- खर्च आला त्यासाठी रु. 9000/- / अॅडव्हास घेण्यात आला होता. शिल्लक रु. ... / एवढी आहे. ती रक्कम जमा करत आहे. या कामासाठी रु. 1,352/- जादा रुपये लागले. सर्व विले सोबत जोडलेली आहेत. तरी विल मंजूर करण्यात यावे. याची नोंद सोदवहीत घेतली आहे.

वरील कामासाठी रु. ... / खर्च आला यासाठी अॅडव्हास घेण्यात आला नव्हता एकूण खर्च रु. ... / झाला आहे. तो मी स्वतः केल्या आहे. / त्याची परिपूर्ती करावयाची आहे. तरी देयक सोबत जोडलेली आहेत व नोंदी घेतल्या आहेत. तरी मंजूरी द्यावी.

ही विनंती

Vandana
7/4/2022
...

V. Kambale

Kent B. Kester

Vilas V. Kambale

07/04/2022

(Electronics)

Bans Principal

TRUE COPY

[Signature]
 Principal

[Signature]
 7/4/2022

Trust

Advance Application

To,

Date:- 5/4/2022

The Secretary/Trasurer/Director/Principal,

Trust/ Vishwaniketan's IMEET/VCAAD/VID

I am Mr./M/s/Mrs. Vilas Kamble

Department Estate

Purpose of advance Electric material, for Boys & Girls Hostel
(Tube, capacitor, MCB etc)

Advance amount Rs- 9000/-

Rs. In word (Nine thousand only)

सदर विलि Electric चे सामान खरेदी
करणे गरजेचे आहे.

Vilas

Vilas
Applicant's signature

Vilas V. Kamble

S. B. Bhandari
Secretary/Trasurer/Director/Principal

TRUE COPY

H.P.
Principal

vishwaniketan's (i MEET)

GST INVOICE

(ORIGINAL FOR RECIPIENT)

RAMDEV ELECTRIC & HARDWARE STORES
 Plot No. 181, Ram Weight Bridge,
 Arsan Phata, Khopoli - Pen Road, Po. Sajgaon,
 Tal - Khalapur,
 Dist. - Raigad - 410203
 MSME NO. MH27E0034553
 GSTIN/UIN: 27AKDPC6606M1Z4
 State Name : Maharashtra, Code : 27
 E-Mail : ramdevelectricals2013@gmail.com

Invoice No.	Dated
0035/22-23	6-Apr-2022
Delivery Note	Mode/Terms of Payment
	Cash
Supplier's Ref.	Other Reference(s)
0035/22-23	
Buyer's Order No.	Dated
Despatch Document No.	Delivery Note Date
Despatched through	Destination
Terms of Delivery	

Buyer
VISHAV NIKETAN COLLAGE
 DHAMANI
 GSTIN/UIN : 27AABTV5946P1ZL
 State Name : Maharashtra, Code : 27
 Place of Supply : Maharashtra

Sl No.	Description of Goods	HSN/SAC	GST Rate	Quantity	Rate	per	Disc. %	Amount
1	2.5SQ.MM MULTISTAND WIRE (90MTR)	8544	18 %	2 ROLL	2,700.00	ROLL		5,400.00
2	20W LED TUBE LIGHT FITTING	8405	12 %	10 NOS	250.00	NOS		2,500.00
3	2.5MFD FAN CAPACTOR	8532	18 %	20 NOS	50.00	NOS		1,000.00
								8,900.00
	CGST OUTPUT							726.00
	SGST OUTPUT							726.00
	Total							₹ 10,352.00

Vishwaniketan's Estate Office
 Inward No. 230
 Date: 6/4/22 Sign.

Passed for Payment
 Director/CEO/Principal

Amount Chargeable (in words) **INR Ten Thousand Three Hundred Fifty Two Only** E & O E

Taxable Value	Central Tax		State Tax		Total Tax Amount
	Rate	Amount	Rate	Amount	
6,400.00	9%	576.00	9%	576.00	1,152.00
2,500.00	6%	150.00	6%	150.00	300.00
Total:		726.00		726.00	1,452.00

Tax Amount (in words) : **INR One Thousand Four Hundred Fifty Two Only**

Company's PAN : AKDPC6606M

Declaration
 We declare that this invoice shows the actual price of the goods described that all particulars are true and correct. Payable on the sale has been paid or shall be paid"

Customer's Seal and Signature

TRUE COPY

Company's Bank Details
 Bank Name : Bank of Baroda
 A/c No. : 99870200000265
 Branch & IFS Code: KHOPOLI & BARB0DBKHOP

Principal
 Vishwaniketan's (i MEET)



NT-614/22


विश्वविद्यालयान्ना वॉट्स वरुण एररु मल्लु इन्डिया
साहस्यारुणु वरुण वरुण वरुण वरुण मे वरुण वरुण
वरुण वरुण - मे वरुण वरुण वरुण वरुण वरुण
वरुण वरुण वरुण वरुण वरुण वरुण

This is to certify that the items in the
Bill No.35.....are received
in good condition and entered in
the consumable register on paper No.....10

Sr. No.26.....dated...6/14/22...

[Signature]
H.C.D.

[Signature]
Lab Asst/Incharge



VISHWANIKETAN

Reg. No. F9819 - Raigad Society Reg. No. MAH/207/2012/Raigad

Corporate Office : B - 52, Sector - 12, Kharghar, Navi Mumbai - 410210

Survey No. 52, Kumbhivali, Near Khalapur Toll Naka, off. Mumbai-Pune Expressway, Tal - Khalapur

Dist. - Raigad - Pin- 410 202 • Telephone - 02192 - 274 206/07/08/10

Mr. Madhu Bathija
President

Dr. S. S. Inamdar
Vice - President

Mr. Sunil Bangar
Secretary

Ref. No. ViMEET / Work Order / admin /349 / 2019-20

Date 08/ 06/ 2020

To,

Keshav Phatak,
Phatak Cleantech Pvt. Ltd.
4, Atharva Residency,
Kothrud, Pune

Kind attention: Mr. Varad Phatak

Reference: Your Revised offer for 100 KW Solar System vide your emails Monday, dt. 11th November 2019, 10.01 am, and Thursday, 5th December 2019, 5.59 pm

Subject: Work Order for 100 KW solar system installation at Vishwaniketan Campus as per your offer as mentioned above.

Dear Sir,

We are pleased to inform that your offer has been accepted by Vishwaniketan for supply and installation of 100 KW roof top solar system in our campus as per the specifications and terms and conditioned thereof.

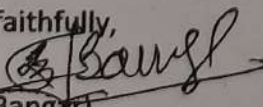
The only change we desire is the inverter system will have two invertors with 50 KW rating. It may be insured that the specifications, brands of the equipment mentioned in this quotation be strictly followed.

The advance of Rs. 10 lakhs was paid to you vide cheque No. 011171 dt. 03/ 03/ 2017 of Bank of India, Branch: Khalapur. It is requested therefore to kindly send us the acceptance of work order and start the work immediately.

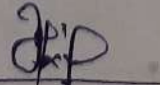
The completion period for the complete installation to the level of successful operation will be two months from the issue of this work order. You will be paid Rs. 66, 733 /- per month as mentioned in the invoice for five years / till the complete payment as per contract.

Thanking You,

Yours faithfully,


(Sunil Bangar)
Secretary, Vishwaniketan

TRUE COPY

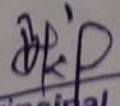

Principal
Vishwaniketan's (i) MEET



Secretary
Vishwaniketan

Proposal for 100KWp Rooftop Solar Power .Project.
(Fixed Tilt System)

TRUE COPY


Principal
Vishwaniketan's (I MEET)

VISHWANIKETAN

PHATAK CLEANTECH PVT LTD

11th November 2019

To

Vishwaniketan Institute,

Khopoli,

India.

Dear Sir,

Phatak Cleantech Pvt Ltd is delighted to have the opportunity to respond to your requirement for Engineering, Procurement and Construction (EPC) of 100 KWp Solar Power Project with Fixed Tilt System.

Attached please find our Scope of Work and Commercial offer.

Phatak Cleantech Pvt Ltd with its motto of Evolving and Energizing has been instrumental in bringing new technology into the field of New and Renewable Energy.

Phatak Cleantech Pvt Ltd is engaged in manufacturing the TRACKERS for Solar Panels to harness energy to the maximum.

Trackers: Single and Dual Axis trackers suitable for ground and roof mounting. These are manufactured at its manufacturing plant near Pune.

System Integration: Solar power generation as system integrator, hybrid systems – wind + solar and dual axis tracker implementation in solar systems in both off-grid systems and on grid interactive solar power plants

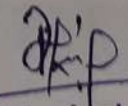
Engineering: High concentration photovoltaic modules, solar charge controllers and solar power conditioning units.

It will be our pleasure to discuss and conclude this proposal at an early date.

Thanking You,
Yours Sincerely,

Keshav Phatak
for PHATAK CLEANTECH PVT LTD

TRUE COPY


Principal
Vishwaniketan's (i MEET)

PHATAK CLEANTECH PVT LTD

1. Project Details

We are proposing a capacity of 100KWp Solar Power Project with Fixed Tilt System. The DC power generated from the solar will be converted to AC through an Inverter. Inverter has a charge controller with Maximum Power Point Tracking mode to ensure maximum output from the solar generators.

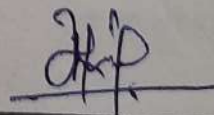
2. Scope of Work

S. No.	Category	Description	
A System Components			
2.01	Electrical	PV Modules	Poly crystalline, 335 Wp x 300 numbers
2.02		Inverter	1 X 100 KW
3.01	Cables	Modules to Junction Box	UV protected, sheathed, Electro-beam Cu Cable
3.02		Junction Box - Inverter	PVC Unarmored,
3.05		Communication cabling	RS485/FO
4.01	Safety	Earthing System	As per IS 3043.
5.01	Services	Overall plant layout.	As build drawing will be submitted
5.02		Plant stringing layout.	Yes
5.03		Junction box locations.	Yes
5.04		Power evacuation routes and switchyard location.	Yes
5.05		Overall single line diagrams.	Yes
5.06		DC and AC detailed schematics.	Yes

B Scope of Work	
1.01	<ul style="list-style-type: none"> Analysis and design of electrical system and mechanism of connectivity of solar energy to the overall factory energy supply, including creation of the SLD for the same. Supply of materials as specified after proper QA. Electrical connectivity to the electrical system in the plant as agreed in the SLD or other design document. We shall be responsible for cabling from the PV installation up to the room where PCU is housed. Final testing and commissioning.

C Clients Scope	
1.01	<p>We will work in co-ordination with your team to ensure best results. For this common objective we will need support from your side in the following areas-</p> <ul style="list-style-type: none"> Provision of Ready Roof Superstructure for Solar PV Module Mounting the capacity mentioned in the proposal. Permissions from Authorities. Meetings/discussions with Authorities where your presence may be needed. Basic facilities support at site during execution. Foundation and reinforcement of the structure to the roof, Isolation of loads, Evacuation cable from inverter to local LT panel, Cleaning of modules as per site climatic conditions. Any documents that may be needed from your side for dealing with MNRE etc and with any other organizations during the course of execution of order.

TRUE COPY



PHATAK CLEANTECH PVT LTD

3. Commercial Offer

Please find below our quote for the design, supply and installation of 100KWp Fixed Tilt Solar PV System at the proposed site. The particulars are as below -

Item No.	Particulars	Quantity	Price
A	Design, supply and installation of 100 KWp Fixed Tilt Solar PV system as per the details mentioned in the inquiry (Taxes are at actuals.)	1	₹ 40,00,000.00
B	Installation & Commissioning of 100 KWp Fixed Tilt Solar PV system, installation (Taxes are at actuals)	1	Included
TOTAL			₹ 40,00,000.00

Amount in Words: Rs Forty Lakhs Only.

4. Terms & Conditions

1. Proposal Validity:

This offer is valid for a period of 15 days from the date of this offer.

2. Payment Terms:

Supply	
Payment to be released against Purchase Order of supply (Rs. 10,00,000.00)	
Balance payment in equal Installments for 60 Months after installations and commissioning of project (Installment per month Rs. 66,733.00 for period of 60 months (5 Years) Post dated cheques to be provided to us in advance. All payment to be made to PHATAK CLEANTECH PVT LTD	
Installation & Commissioning:	
Included	

3. Taxes:

Tax amount is not applicable as the complete system will be in the ownership of Phatak Cleantech Pvt Ltd and it will be transferred to Vishwaniketan on the full payment of the system as per this offer without any additional cost. Any Tax if applicable at the time of transfer of system will be charged at actual.

4. Project Timeline:

Shall be mutually discussed.

TRUE COPY

4, Atharva Residency, S.No. 116(B+5A) Off Paud Road, Pune 411038.

J.P.
Page 3
Principal
Vishwaniketan's (i MEET)

PHATAK CLEANTECH PVT LTD

5. Taking Over Certificate:

The customer would provide a Takeover Certificate to Phatak Cleantech Pvt Ltd within seven days from the date of last installment of the payment as per the agreed terms and contract.

6. AMC Services:

Replacement of any faulty component outside the warranty terms will be replaced at extra cost.

7. Electricity & Water:

The customer should provide uninterrupted Power Supply for carrying out the Installation/Erection works at site. Water supply is to be ensured to carry out civil works at the site and during O&M.

8. Storage:

Covered storing space with locking facility to be provided at the site for storage of material. This space will be under our supervision during the construction period.

9. Transport & Logistics:

Prices are inclusive of transportation cost and logistics.

10. Insurance:

Phatak Cleantech Pvt Ltd will provide transit insurance cover up to Site. Beyond that, the Customer shall obtain all required insurance covers, to the extent both in time and amount, to take care of all its liabilities, direct or indirect, connected to the Plant.

11. Specification Changes:

Phatak Cleantech Pvt Ltd reserves the right to modify the design of the system to substitute equal to or superior to that originally specified (in order to permit incorporation of changes and improvements, in the continued development of the **Phatak Cleantech Pvt Ltd** product.

12. Cancellations:

Agreement and orders cannot be cancelled or modified by Customer under any Circumstance without customer first reaching an agreement in writing with **Phatak Cleantech Pvt Ltd** regarding recovery of damages. If cancellation or modification is agreed to by **Phatak Cleantech Pvt Ltd** . Customer agrees to promptly pay all reasonable engineering and other expenses incurred by **Phatak Cleantech Pvt Ltd** in connection with this Agreement and in any case not less than 15 % of the Agreement price in case of cancellation.

TRUE COPY

PHATAK CLEANTECH PVT LTD

13. Warranty:

As a policy we shall maintain the plant for period of 5 years . We will offer our services to you as per service contract by end of warranty period.

• **Manufacturer Warranty:**

1. **Solar Photovoltaic Module:**

Manufacturer's limited warranty for defects in workmanship and material for a period of 25 years from the date of supply.

2. **Power Conditioning Unit:**

Manufacturer's warranty is against manufacturing defects for a period of 5 years from date of supply.

• **Exclusions:**

The warranty will be not being applicable under following conditions:

- Product that has been unkempt, damaged, subjected to misuse, abnormal service or handling, or not maintained as per product manual.
- Any unauthorized tampering on the electrical parts and connections.
- Any damage to the electrical component due to heavy fault on account of abnormal conditions on the load.
- Product that has been subjected to abnormal environmental conditions such as acid rain or other such similar conditions, viz. unprecedented heavy winds & rains etc.
- Product that is subject to force majeure conditions, such as fire, explosion, war, riot, earthquake, eruption, tidal wave, lightning, induced lighting, snow, freeze, frost, polluted air, ground movement, ground cracking, earth flow, and pollution; provided, however, that exemption for these items for which UL has set out in their standard, shall apply only when these items exceed UL s standard.

14. Force Majeure:

No Party shall be considered in breach of this Contract to the extent that its performance of such obligations is delayed or prevented by reasons of any unforeseeable or unavoidable circumstance which is not under the control of such non-performing Party, including without limitation change in law, fire, flood, hurricanes, earthquake or similar natural disasters, riot, war, terrorism, labor strikes, excluding such labor strikes which solely affect a Party's workforce that is directly or indirectly employed by the Party in the performance of this Contract. It is understood that the Party affected by the force majeure event will use commercially reasonable efforts to minimize the impact of such event. In case event of force majeure lasts longer than 6 months, either Party may terminate said Contract by giving 30 days prior written notice to other Party.

TRUE COPY

PHATAK CLEANTECH PVT LTD

15. No Other Warranties/Guaranties:

Phatak Cleantech Pvt Ltd disclaim all warranties / guaranties either expressed or implied (including, but not limited to implied warranty / guaranty, merchantability and fitness for a particular purpose), other than what is expressly stated in this contract/proposal.

16. Indemnity Clause:

The Parties agrees to indemnify and hold harmless to each other, its employees, officers and agents from and against any claim, loss, liability or cost of any person, firm or corporation, including without limitation, reasonable legal fees, arising directly or indirectly out of any breach of warranty, representation or undertaking made by the Parties in this Contract, provided that Parties shall inform immediately to other party of any such event. In the event of any claim, Parties will promptly adjust, settle, defend or otherwise dispose of such claim at its sole cost.

17. Exclusions:

- **Phatak Cleantech Pvt Ltd** shall not be responsible or liable for obtaining the permits to erect or install any components like permits from CEIG, CEA, Electricity Board, Environmental Clearances, Local bodies, architects and any such approval plus clearances from any government or local utilities required to install and commission the photo-voltaic generation plant.
- **Foundation and reinforcement to the existing roof.** Roof to be provided to us free of cost.
- Space for Inverter nearest point of SPV installation.
- Any civil work beyond the defined scope of proposal submitted.
- Any lesioning work between the Utility and installation of Net Metering.

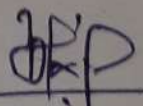
18. Jurisdiction:

Jurisdiction shall be Pune. The courts in Pune shall have exclusive jurisdiction on this matter.

19. Disclaimer:

Current proposal is made on preliminary inputs received from your end and final project capacity and detailing might vary as per actual site condition at that time.

TRUE COPY


Principal
Vishwaniketan's (i MEET)

TAX INVOICE

ORIGINAL FOR RECIPIENT

(Issued Under Section 31 of Central Goods & Service Tax Act 2017 and Maharashtra State Goods & Service Tax Act 2017)



HUPHEN ELECTROMECH PVT. LTD.

Works : J-47, MIDC Area, Ambad, Nashik - 422 010, Maharashtra, India
 Tel. : (+91 253) 2381475, 2388000 E-mail: huphen@bcni.in Web: www.huphen.com
 GSTIN No : 27AAACH4432N1ZG State Code & Name : 27 MAHARASHTRA



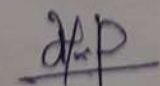
E-Way Bill No if any :		Invoice No. : G21220061	
Invoice Create Time : 9:10:0 AM		Invoice Date : 14-Apr-2021	
Invoice Removal Time : 9:25:0 AM Customer : VISHWANIKETAN Address : SURVEY NO.52, VILLAGE- KUMBHIVALI, TAL- KHALAPUR RAIGAD.		GST No. : 27AABTV5946P1ZL State Code & Name : 27 MAHARASHTRA	
PO No. : VIMEET/OFFICE/PO/530/2020-21 PO Date : 12-Mar-2021		Transport : Vehicle No :	

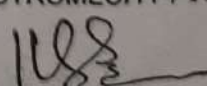
S.N	Product Description	Qty	Rate (₹)	Amount (₹)
	HSN Code : 8537 22 KV Metering Cubicle 10/5A CT RATIO 10/5A, VA 10, CLASS 0.5S, PT RATIO 22000/ROOT 3/110/ROOT 3V, VA 50, CLASS 0.5	1.00	120,000.00	120,000.00

Gross Amt : Rupees One Lakh Forty One Thousand Six Hundred Only CGST Amt : Rupees Ten Thousand Eight Hundred Only SGST Amt : Rupees Ten Thousand Eight Hundred Only	BASIC (SALES) FREIGHT Packing & Forwarding Insurance Other	120,000.00 0.00 0.00 0.00 0.00
	CGST 9% SGST 9%	10,800.00 10,800.00
TRUE COPY		Gross Amount : 141,600.00

SUBJECT TO NASHIK JURISDICTION

For **HUPHEN ELECTROMECH PVT. LTD.**


 Principal
 Vishwaniketan's (I MEET)
 VISIT US AT www.huphen.com


 F-COM-013
 AUTHORISED SIGNATORY

TAX INVOICE

ORIGINAL FOR RECIPIENT

(Issued Under Section 31 of Central Goods & Service Tax Act 2017 and Maharashtra State Goods & Service Tax Act 2017)

HUPHEN ELECTROMECH PVT. LTD.

Works : J-47, MIDC Area, Ambad, Nashik - 422 010, Maharashtra, India

Tel. : (+91 253) 2381475, 2388000 E-mail: huphen@huphen.in Web: www.huphen.com

GSTIN No. : 27AAACH4432N1ZG State Code & Name : 27 MAHARASHTRA



ISO 9001 : 2015

Reg. No. : RQ91 / 2150

E-Way Bill No if any :

Invoice Create Time : 9:11:0 AM

Invoice Removal Time : 9:28:0 AM

Invoice No. : G21220052

Invoice Date : 14-Apr-2021

Customer : VISHWANIKETAN
Address : SURVEY NO.52, VILLAGE- KUMBHIVALI, TAL-
KHALAPUR
RAIGAD.

Customer : VISHWANIKETAN
Address : SURVEY NO.52, VILLAGE- KUMBHIVALI, TAL-
KHALAPUR
RAIGAD.

GST No. : 27AABTV5946P1ZL

State Code & Name : 27 MAHARASHTRA

GST No. : 27AABTV5946P1ZL

State Code & Name : 27 MAHARASHTRA

PO No. : VIMEET/OFFICE/PO/530/2020-21

PO Date : 12-Mar-2021

Transport :

Vehicle No :

Product Description	Qty	Rate (₹)	Amount (₹)
HSN Code : 8504 Wound Primary LTCT 150/5A VA 5 CLASS 0.5S	3.00	1,025.00	3,075.00

Gross Amt : Rupees Three Thousand Six Hundred Twenty Nine Only

CGST Amt : Rupees Two Hundred Seventy Seven Only

SGST Amt : Rupees Two Hundred Seventy Seven Only

BASIC (SALES)	3,075.00
FREIGHT	0.00
Packing & Forwarding	0.00
Insurance	0.00
Other	0.00
CGST 9%	277.00
SGST 9%	277.00
Gross Amount :	3,629.00

TRUE COPY

SUBJECT TO NASHIK JURISDICTION

Principal
 Vishwaniketan's (I MEET)

For HUPHEN ELECTROMECH PVT. LTD.

AUTHORISED SIGNATORY

F-COM-013

VISIT US AT www.huphen.com

e-Way Bill



E-Way Bill No: 2612 9081 3840
E-Way Bill Date: 14/04/2021 09:24 AM
Generated By: 27AAA CH443 2N1ZG - HUPHEN ELECTROMECH PRIVATE LIMITED
Valid From: 14/04/2021 09:24 AM [169Kms]
Valid Until: 15/04/2021

Part - A

GSTIN of Supplier: 27AAACH4432N1ZG, HUPHEN ELECTROMECH PRIVATE LIMITED
Place of Dispatch: Nashik, MAHARASHTRA-422010
GSTIN of Recipient: 27AAB TV594 6P1ZL, VISHWA NIKETAN
Place of Delivery: KHALAPUR, MAHARASHTRA-410206
Document No.: G21220052
Document Date: 14/04/2021
Transaction Type: Regular
Value of Goods: 3628.5
HSN Code: 8504 -
Reason for Transportation: Outward - Supply
Transporter:

Part - B

Mode	Vehicle / Trans Doc No & DL	From	Entered Date	Entered By	CEWB No. (if any)	Multi Veh. Info (if any)
Road	MH15GV9513	Nashik	14-04-2021 09:24 AM	27AAACH4432N1ZG	-	-



261290813840

TRUE COPY

[Signature]
Principal
Vishwaniketan's (i MEET)

27

(Issued Under Section 31 of Central Goods & Service Tax Act 2017 and Maharashtra State Goods & Service Tax Act 2017)

HUPHEN ELECTROMECH PVT. LTD.

Works : J-47, MIDC Area, Ambad, Nashik - 422 010, Maharashtra, India

Tel. : (+91 253) 2381475, 2388000

E-mail: huphen@bant.in

Web: www.huphen.com



FAS-ARZ



ISO 9001 : 2015

Reg. No. : RQ91 / 2150

GSTIN No : 27AAACH4432N1ZG

State Code & Name : 27 MAHARASHTRA

E-Way Bill No if any :

Invoice Create Time : 9:10:0:AM

Invoice Removal Time : 9:25:0:AM

Invoice No. : G2122G051

Invoice Date : 14-Apr-2021

Customer : VISHWANIKETAN

Customer : VISHWANIKETAN

Address : SURVEY NO.52, VILLAGE- KUMBHIVALI, TAL-
KHALAPUR
RAIGAD.

Address : SURVEY NO.52, VILLAGE- KUMBHIVALI, TAL-
KHALAPUR
RAIGAD.

GST No. : 27AABTV5946P1ZL

GST No. : 27AABTV5946P1ZL

State Code & Name : 27 MAHARASHTRA

State Code & Name. : 27 MAHARASHTRA

PO No. : VIMEET/OFFICE/PO/530/2020-21

Transport :

PO Date : 12-Mar-2021

Vehicle No :

S.N.	Product Description	Qty	Rate (₹)	Amount (₹)
	HSN Code : 8537 22 KV Metering Cubicle 10/5A CT RATIO 10/5A, VA 10, CLASS 0.5S, PT RATIO 22000/ROOT 3/110/ROOT 3V, VA 50, CLASS 0.5	1.00	120,000.00	120,000.00

Gross Amt : Rupees One Lakh Forty One Thousand Six Hundred Only

CGST Amt : Rupees Ten Thousand Eight Hundred Only

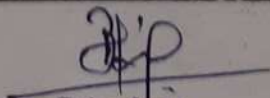
SGST Amt : Rupees Ten Thousand Eight Hundred Only

BASIC (SALES)	120,000.00
FREIGHT	0.00
Packing & Forwarding	0.00
Insurance	0.00
Other	0.00
CGST 9%	10,800.00
SGST 9%	10,800.00

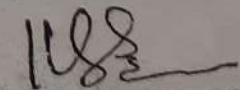
Gross Amount : 141,600.00

TRUE COPY

OBJECT TO NASHIK JURISDICTION


Principal
Vishwaniketan's (i MEET)

For HUPHEN ELECTROMECH PVT. LTD.


F-COM-013 AUTHORIZED SIGNATORY

(Issued Under Section 31 of Central Goods & Service Tax Act 2017 and Maharashtra State Goods & Service Tax Act 2017)



HUPHEN ELECTROMECH PVT. LTD.

Works : J-47, MIDC Area, Ambad, Nashik - 422 010, Maharashtra, India

Tel. : (+91 253) 2381475, 2388000

E-mail: huphen@bsnl.in

Web: www.huphen.com



IAS-ANZ

ISO 9001 : 2015

Reg. No. : RQ91 / 2150

GSTIN No : 27AAACH4432N1ZG

State Code & Name : 27 MAHARASHTRA

E-Way Bill No if any :

Invoice Create Time : 9:10:0:AM

Invoice Removal Time : 9:25:0:AM

Invoice No. : G21220051

Invoice Date : 14-Apr-2021

Customer : VISHWANIKETAN

Address : SURVEY NO.52, VILLAGE- KUMBHIVALI, TAL-
KHALAPUR
RAIGAD.

Customer : VISHWANIKETAN

Address : SURVEY NO.52, VILLAGE- KUMBHIVALI, TAL-
KHALAPUR
RAIGAD.

GST No. : 27AABTV5946P1ZL

State Code & Name : 27 MAHARASHTRA

GST No. : 27AABTV5946P1ZL

State Code & Name : 27 MAHARASHTRA

PO No. : VIMEET/OFFICE/PO/530/2020-21

PO Date : 12-Mar-2021

Transport :

Vehicle No :

S.N.	Product Description	Qty	Rate (₹)	Amount (₹)
1	<p>HSN Code : 8537</p> <p>22 KV Metering Cubicle 10/5A CT RATIO 10/5A, VA 10, CLASS 0.5S, PT RATIO 22000/ROOT 3/110/ROOT 3V, VA 50, CLASS 0.5</p>	1.00	120,000.00	120,000.00

Gross Amt : Rupees One Lakh Forty One Thousand Six Hundred Only

CGST Amt : Rupees Ten Thousand Eight Hundred Only

SGST Amt : Rupees Ten Thousand Eight Hundred Only

BASIC (SALES)	120,000.00
FREIGHT	0.00
Packing & Forwarding	0.00
Insurance	0.00
Other	0.00
CGST 9%	10,800.00
SGST 9%	10,800.00
Gross Amount :	141,600.00

TRUE COPY

SUBJECT TO NASHIK JURISDICTION

[Signature]
Principal
Vishwaniketan's (i MEET)

For HUPHEN ELECTROMECH PVT. LTD.

[Signature]
F-COM-013 AUTHORIZED SIGNATORY

VISIT US AT www.huphen.com



VISHWANIKETAN

Reg No. F9819 - Raigad Society Reg. No. MAH/207/2012/Raigad

Corporate Office : B - 52, Sector - 12, Kharghar, Navi-Mumbai - 410210

Campus : Survey No. 52, Kumbhivali, Near: Khalapur Toll Naka, off. Mumbai-Pune Expressway, Tal - Khalapur
Dist - Raigad - Pin- 410 202 • Telephone - 02192 - 274 206/07/08/10

Mr. Madhu Bathija
President

Dr. S. S. Inamdar
Vice - President

Mr. Sunil Bangar
Secretary

Ref No. ViMEET/Office/PO/ 530 /2020-21

Date: 12/03/2021

To,
Ruphen Electromech Pvt Ltd.
J-47, MIDC Area, Ambad, Nashik -422010.

Sub: Purchase order for supply of 22KV H.T. Metering Cubicle without meter as per MSEDL specification.

Sir,
We are pleased to inform you that your quotation received through mail on 8th March 2021 for the following product has been approved.

You are therefore requested to supply the product as early as possible.

S.N.	Product Description	Qty	Rate in Rs.	Amount in Rs.
1	HSN Code: 8537 22 KV Metering Cubicle 10/5A CT ratio 10/5A, VA 10, Class 0.5S, PT Ratio 22000/ROOT 3/110/ROOT 3V, VA 50, Class 0.5 Type: Compact Type Taxes (Extra) FREIGHT+CGST 9% +SGST 9%	1.00	120000.00	120000.00

TRUE COPY

Please note our GST No: GSTIN 27AABTV5946P1ZL
Legal Name VISHWA NIKETAN



Principal
Vishwaniketan's (I MEET)

(Dr. B. R. Patil)

Principal Vishwaniketan's (I MEET)
Vishwaniketan's (I MEET)

31



VISHWANIKETAN

Reg. No. F9819 - Raigad Society Reg. No. MAH/207/2012/Raigad

Corporate Office : B - 52, Sector - 12, Kharghar, Navi-Mumbai - 410210

Campus : Survey No. 52, Kumbhivali, Near Khalapur Toll Naka, off. Mumbai-Pune Expressway. Tal - Khalapur
Dist. - Raigad - Pin- 410 202 • Telephone - 02192 - 274 206/07/08/10

Mr. Madhu Bathija
President

Dr. S. S. Inamdar
Vice - President

Mr. Sunil Bangar
Secretary

Ref No. ViMEET/Office/PO/ 531 /2020-21

Date: 12/03/2021

To,

Imakant Dhande

Sub: Purchase order for supply of ABT Meters and unidirectional meter for MSEDCL application

Sir,

We are pleased to inform you that your quotation received through mail on 9th March 2021 for the following product has been approved.

You are therefore requested to delivery at the earliest.

1) MSEDCL – Apex 150 Class 0.2s Accuracy with RS 485 Port/ RS 232 Port with optical port 11KV/110V CT -/5A, Unit Price : 95,000/+GST

Premier 300 LT CT 50/5A Uni-directional CAT C DLMS, Unit price 4500/+GST

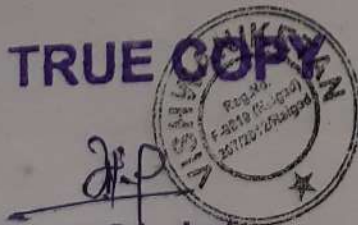
Please note our GST No: GSTIN 27AABTV5946P1ZL

Legal Name VISHWA NIKETAN

(Dr. B. R. Patil)

Principal, Vishwaniketan's iMEET

Principal
Vishwaniketan's (i MEET)



Principal
Vishwaniketan's (i MEET)

Tax Invoice (Page 2)

(ORIGINAL FOR RECIPIENT)

Central Electricals & Electronics Pvt Ltd -1.4.20
 Office No.47/4th Floor, Tardeo A.C. Market
 Mumbai Central -W, Mumbai-400034
 Maharashtra, India
 Tel.No.022-23525334/ 23516625
 Mobile-9152042474
 GSTIN/UIN: 27AAACC4149D1Z0
 State Name : Maharashtra, Code : 27
 CIN: U51505MH1996PTC097642
 E-Mail : sales@centralelectricals.co.in
 Consignee (Ship to)

Invoice No.	e-Way Bill No.	Dated
2683/20-21	201282616530	20-Mar-21
Delivery Note	Mode/Terms of Payment	
	AGAINST PI	
Reference No. & Date.	Other References	
Buyer's Order No.	Dated	
VIMEET/OFFICE/PO/531/2020-21	12-Mar-21	
Dispatch Doc No.	Delivery Note Date	
Dispatched through	Destination	
SHREE MAHAVIR EXPRESS SERVICES PVT LTD		
Terms of Delivery		

VISHWA NIKETAN
 SURVEY NO 52 ,KUMBHIVALI, NEAR KHALAPUR
 TOLL NAKA, OFF MUMBAI-PUNE EXPRESSWAY,
 TAL -KHALAPUR DIST -RAIGAD -410202, CONTACT
 NO :- 02192-274206/07/08/10, Mob: 7304292027
 GSTIN/UIN : 27AABTV5946P1ZL
 State Name : Maharashtra, Code : 27
 Buyer (Bill to)

VISHWA NIKETAN
 SURVEY NO 52 ,KUMBHIVALI, NEAR KHALAPUR
 TOLL NAKA, OFF MUMBAI-PUNE EXPRESSWAY,
 TAL -KHALAPUR DIST -RAIGAD -410202, CONTACT
 NO :- 02192-274206/07/08/10
 GSTIN/UIN : 27AABTV5946P1ZL
 State Name : Maharashtra, Code : 27
 Place of Supply : Maharashtra

Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
----------------------	---------	----------	------	-----	---------	--------

Less : Round Off						(-10.03
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Total		5 NCS				₹ 1,12,572.00
--------------	--	--------------	--	--	--	----------------------

Amount Chargeable (in words)

E. & O.E

Indian Rupees One Lakh Twelve Thousand Five Hundred Seventy Two Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
90283010	95,400.00	9%	8,586.00	9%	8,586.00	17,172.00
85444930	0.03	9%		9%		
Total	95,400.03		8,586.00		8,586.00	17,172.00

Tax Amount (in words) : **Indian Rupees Seventeen Thousand One Hundred Seventy Two Only**

Company's PAN : **AAACC4149D**

Company's Bank Details

Bank Name : **Bank of Baroda a/c no.70080500000022**

A/c No. : **70080500000022**

Branch & IFS Code : **Mumbai Main Office & BARB0DBBMMO**

for Central Electricals & Electronics Pvt Ltd -1.4.20

Godown Address:Basement,Unit No .2, Tardeo Air
 Conditioned Market Bldg, Tardeo Mumbai - 400 034,
 Maharashtra

Authorized Signatory

SUBJECT TO MUMBAI JURISDICTION

This is a Computer Generated Invoice



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J.P.

23

Tax Invoice

(ORIGINAL FOR RECIPIENT)

Central Electricals & Electronics Pvt Ltd -1.4.20
 Office No.47/4th Floor, Tardeo A.C Market
 Mumbai Central -W,Mumbai-400034
 Maharashtra, India
 Tel.No.022-23525334/ 23516625
 Mobile-9152042474
 GSTIN/UIN: 27AAACC4149D120
 State Name : Maharashtra, Code : 27
 CIN: U51505MH1996PTC097642
 E-Mail : sales@centralelectricals.co.in
 Consignee (Ship to)

VISHWA NIKETAN
 SURVEY NO 52 ,KUMBHIVALI, NEAR KHALAPUR
 TOLL NAKA, OFF MUMBAI-PUNE EXPRESSWAY,
 TAL -KHALAPUR DIST -RAIGAD -410202, CONTACT
 NO :- 02192-274206/07/08/10, Mob: 7304292027
 GSTIN/UIN : 27AABTV5946P1ZL
 State Name : Maharashtra, Code : 27
 Buyer (Bill to)

VISHWA NIKETAN
 SURVEY NO 52 ,KUMBHIVALI, NEAR KHALAPUR
 TOLL NAKA, OFF MUMBAI-PUNE EXPRESSWAY,
 TAL -KHALAPUR DIST -RAIGAD -410202, CONTACT
 NO :- 02192-274206/07/08/10
 GSTIN/UIN : 27AABTV5946P1ZL
 State Name : Maharashtra, Code : 27
 Place of Supply : Maharashtra

Invoice No.	e-Way Bill No.	Dated
2683/20-21	201282616530	20-Mar-21
Delivery Note	Mode/Terms of Payment	
	AGAINST PI	
Reference No. & Date.	Other References	
Buyer's Order No.	Dated	
VIMEET/OFFICE/PO/531/2020-21	12-Mar-21	
Dispatch Doc No.	Delivery Note Date	
Dispatched through	Destination	
SHREE MAHAVIR EXPRESS SERVICES PVT LTD		
Terms of Delivery		

No	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	APEX 150 CTR -/5A CL-0.2S (P3E021-001 *4492967) PTR 11KV/110V AS PER MSEDCL	90283010	1 NOS	90,000.00	NOS		90,000.00
2	COMMS CORD MAX500-600	85444930	1 NOS	0.01	NOS		0.01
3	COMMS CORD MAX500-559	85444930	1 NOS	0.01	NOS		0.01
4	COMMS CORD MAX500-604	85444930	1 NOS	0.01	NOS		0.01
5	PREMIER 300 LT Unidirectinal CTR 50/5A CI-0.5S	90283010	1 NOS	4,950.00	NOS		4,950.00
							94,950.03
	Freight on Sales						450.00
	OUTPUT CGST						8,586.00
	OUT PUT SGST						8,586.00

continued to page number 2

SUBJECT TO MUMBAI JURISDICTION

This is a Computer Generated Invoice

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[Signature]

Principal
 Vishwaniketan's (I MEET)



34

MAHAVITARAN
Maharashtra State Electricity Distribution Co. Ltd.

(A Govt. of Maharashtra Undertaking)
CIN: U40109MH2005SGC153645

Dy.EE/KNR/IT Sanction/ 134

Date: 5/4/21

To
The Executive Engineer
Testing Division,
MSEDCL Pen

Sub: Submission Of Net Meter for Testing of Net Metering & ABT HT Meter for Roof-Top Solar PV System in r/o M/s.Vihwaniketan,s.no.53/3,54/2,55 & other At-Kumbhivali Village Choyk, Tal- Khalapur.

Ref: 1) SE/PC/TECH/PNL-R/CONSUMER/914 DT-01.04.2021
2) Consumer No. 030919025500

Referring subject, the Net Meter is hereby submitted, in r/o M/s Vihwaniketan,s.no.53/3,54/2 55& other Kumbhivali Village, Tal- Khalapur. for testing purpose

As, the Net Meter is not available at Sub Div. and Division store offices, the applicant has procured the same for Roof-Top Solar PV System.

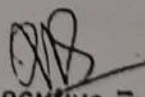
Vide ref (1) and (2) the applicant has applied for 100KW for Roof-Top Solar PV System

Details are given below

Particulars	Billing Meter Apex 300	Billing Meter Apex 150
Sr No	XG495516	Q0420749
Make	SECURE	SECURE
Ratio	50/5 Amp	HT ABT METER
Type	E37005, 3 Ph 4 Wire	P3E
Reading	0	0
Testing fees paid	Rs.2596	Rs. 23600.
Receipt No.	3899348 DT.05.04.2021	3899349 DT.05.04.2021

For information and needful please.

Encl ; Meter as specified


Dy. Executive Engineer
M.S.E.D.C.L. Khalapur,Sub/Div

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Copys.w.r.to

The Executive Engineer .PNVL (R) For information, please

Maharashtra State Electricity Distribution Co Ltd
Office of Dy Ex Engineer, Khalapur Sub division, Dist - Raigad, Maharashtra State, India, Tel. -
02102275255 ,Fax : 02192 275256 Email: - sdo4313@ho.mahadiscom.in Website: **MEET**
www.mahadiscom.in

Sensor Based Energy Conservation using ICT

Department : CSE (AIML) , ViMEET Khalapur

Reserch done by : Mrs Shilpa V Shinde

Fund Utilized : 15000/-

ABSTRACT

Electricity is an important part of the present life and most important to the economy of India. People use electricity for lighting, heating, cooling, and refrigeration and operating appliances, computers, electronics, machinery, and public transportation systems. As we operate on manual control of electric devices there is wastage of electricity. One of the most obvious energy-wasting habits is leaving the lights on when we leave any room. We can save electricity and help your light bulbs last longer. To avoid wastage of electricity we can design a smart electric automation system to control the lights of our room by remotely monitoring lighting from smartphones. Controlled by a smart device, electrical automation can wirelessly control electrical systems.

In this classroom automation project, we are designing an automation system to control all fans and tubes in the classroom. Our system has two types of control of devices: first through voice commands and second through the mobile app. Our system has a controlling unit based on Arduino/ESP 32 development boards and we will interface or control electric devices through relays. Detect intrusion, and automatically turn on lights and activate automation functions when entering a room Our controlling board will work along with our normal switchboard to operate the electric appliance. The commands will be given by the user using the mobile app and the instruction will be forwarded to esp32 through Wifi or Bluetooth and then it is passed to the relay which performs the on/off function of the application. Classroom automation means controlling the classroom using a mobile application.

In our system we use Presence/motion detection sensor to detect the presence of a person in classroom ,so when there is no one in the class for Five minutes, ESP based system will automatically off the all devices

As we have different number of fans and tubes in every class room and lab average we can save 10% energy by switching electric appliance for a hour period .

❖ INTRODUCTION

ICT can play an important role in energy conservation and efficiency through **sensing and control**. ICT can also contribute to higher resource utilization through shared systems and increased efficiency driven through smarter appliances, infrastructure and manufacturing.

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Classroom Automation definition can be understood as a room in a college, where Devices in the Classroom are operated via Software. Lights and Fans at Application Operated.

At College and even at Home, we reflect Irresponsibility and Laziness by not switching OFF the Lights and Fans. The Lights and other Devices will Turn ON & OFF via Manual Swiches/Mobile Application/On Specific Time.

The ability to detect human presence can be a pretty powerful attribute for a number of devices. Human presence detection or human sensing refers to technology used to determine if a person is present in a particular environment. This type of technology may be used in a range of applications, whether it's for security or safety, or to enable a device like a smart-home hub to perform key functions

When human presence detection works accurately, it enables seamless background features and immediate security alerts. The kitchen light turns on once you enter the room and off once you leave. Your personal computer blocks others from using it.

Sensors Powering Human Presence Detection

It's important to know what sensors make up this world. Here's a list of different sensors involved in human presence detection:

- **Ambient light sensors:** As the name suggests, these sensors detect light in the environment. They can measure the light reflecting from an approaching user to detect human presence from a distance. They're frequently used to automatically activate devices, such as smartphones or computers, without the user needing to actually press a button. Ambient light sensors also measure ambient light intensity to adjust display backlight brightness.
- **Ultrasonic proximity sensors:** This is one class of proximity sensor that's useful in human presence detection. They emit ultrasonic waves and analyze the time it takes to return to determine distance to the sensor. They tend to work well in more extreme environmental conditions (outside of vacuums), but they have a limited detection range. You may have seen these used to detect when a human enters or leaves the vicinity of a device, such as a self-serve kiosk at a mall, airport, or bank.
- **IR proximity sensors:** IR proximity sensors work similarly to ultrasonic types, except that they rely on infrared (IR) light to determine distance and detect figures. This is the most common type of proximity sensor used in surveillance and security applications. It can measure the distance to "soft" objects and complex textures, unlike ultrasonic sensors, but its performance can dip over long distances.
- **Capacitive proximity sensors:** These sensors work by creating their own electrostatic field. However, when an object approaches the sensor, it changes the sensor's capacitance, resulting in an amplitude change. This change triggers an output switch. Capacitive sensors can be used to detect boundary penetration through openings such as window frames or ventilation ducts.
- **Time-of-flight sensors:** These sensors emit a signal that reflects off a surface and measures the time it takes to return to the sensor. Sound familiar? Well, it's similar to the IR proximity sensor; however, time-of-flight sensors include multiple types of signals,



including lasers, IR, and ultrasound. Time-of-flight sensors use an array of light-sensing pixels to determine relative distances from the object, creating a range map. This allows for a more complex and informative view of what it's pointing at than the simpler proximity sensor. These tend to be good options for devices requiring low power consumption from the sensor (such as smartphones and consumer electronics).

- **Passive IR detectors:** PIR sensors are used to detect motion of IR light-emitting sources (typically human bodies). These types of sensors are all around you; they flip the lights on when you walk into a public restroom and open the automatic door at the grocery store. It doesn't actively emit IR light, but instead looks for changes in the IR world that it sees. This can lead to false positives for HPD, but it can be reliably used in a context where only humans would be present.
- **Visual sensors:** Thanks to image processing and recognition, visual sensors can be used to detect human shapes. These are the sensors that power facial-recognition software across all kinds of applications, including your smartphone and laptop. Emerging artificial-intelligence technologies take this even further: They can recognize and track people based on their specific gait as they walk, along with their heartbeat and microbial traces.

Out of all these sensors we use Ultrasonic proximity sensors: This is one class of proximity sensor that's useful in human presence detection

❖ LITERATURE REVIEW

[1] Ani, R., Krishna, S., Akhil, H., & Arun, U. (2018, September). How to build a smart IoT-based classroom. At the 2018 International Conference on Advances in Computing, Communications and Informatics (ICACCI) (pp. 2098-2102). IEEE.

IoT (Internet of Things) is a powerful new invention in today's world that can make a person's life easier and less stressful. The scope of this field is unlimited and emerges as a winner in various fields ranging from Medicine, Engineering, Computer Science, Space and Technology, Automobiles and so on. The objective center uses IoT-based technologies to achieve automation in classrooms. In this paper, we propose a way to control and manage electrical equipment such as fans and lamps based on human presence. Our focus is on building a solution that can help reduce energy consumption. The camera is used to detect the presence of people in the classroom and to analyze the living space. Here the class is divided into two parts. Whenever a human presence is detected in a particular area a lamp and a fan will be turned on. The purpose of this paper is to build a smart classroom where we can switch electrical items with a focus on energy saving.

[2] Paul, C., Ganesh, A., & Sunitha, C. (2019). IoT-based smart class. At the International Conference on Computer Networks and Communication Technology (pages 9-14). Springer, Singapore.

The rapid development of automation technology makes people's lives easier and easier. In today's world, it is all about dependence on automatic systems. An intelligent IoT-based class system primarily works with automated electronic objects in the Internet-based Material (IoT) protocol called MQTT. The system architecture contains several wireless nodes, middleware,

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Principal
Vishwaniketan's (i MEET)

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and user interface. All wireless nodes connect to a dedicated or existing network with middleware. This communication is based on the Message Queue Telemetry Transport (MQTT) communication protocol built-in Internet of Things. MQTT protocol uses publishing / subscribed message based on TCP / IP protocol. With the user interaction phase, the user can interact with the middleware of the system. Interaction is done by seeing the user's command with his or her speech. Basically, the secret commands are used to interact with the middleware. The Raspberry Pi is the backbone of the system. It works as a middleware, in system building. The wireless nodes used in this program are called Node MCU, and this Node MCU is assigned to each class. After performing a user interaction phase, the controller is transferred to the middleware installed in the staffroom. Finally, based on user privacy instructions, the automation of each class equipment will be done with the Node MCU which leads to class automation.

[3] Yasodharan R et.al. (2018) IoT based Classroom Automation using Arduino "Published in International Journal of Trend in Scientific Research and Development (ijtsrd), ISSN: 2456-6470, Volume-2 | Issue2, February 2018,

Yasodharan (2018) used IoT to detect and direct class automation using Arduino. This offers great benefits to smart classroom systems that use the Internet of Things. This project helps teachers in the classroom to allow them to control the classroom using the android system on the Android smartphone.

[4] Finn, J. D. (1957). Default and education: II. Automatically create a domain class effort. Audio and Visual Communication Review, 5 (2), 451-467.

This paper should address two aspects of the problem of classroom automation through audio and visual methods. These factors were: (a) the institutional background on which the support of the previous audio and visual foundation by the Payne Fund and the Rockefeller Foundation compared to the current, extensive support of audio and visual teaching support systems. the Ford Foundation, its limited finances and affiliate organizations; and (b) the theoretical nature of the need for audio and visual authenticity that has been shown to be based on a shortage of teachers and equipment in the country over the next two decades of student and college enrollment, and therefore, technical solutions to classroom size problems are required. and construction site.

[5] Abuzant, M., Ghanem, M., Abd-Rabo, A., & Daher, W. (2021). Quality of using google classroom to support learning processes in automation lessons and programs. International journal Emerging Technologies in Learning (JET), 16 (6), 72-87.

Visual and integrated reading is suggested as a way to support students' learning through the lesson. Current research seeks to explore how one classroom teaching tool; especially Google Classroom, used by a teacher of automation and planning in high school. Another high school teacher and two of her students participated in the re-study. The data collection tools were of two types: discussions with participants with structured questions, and asking the teacher to demonstrate how she used Google Classroom options to engage her students in online learning. Written interviews were analyzed using theme analysis based on the DeLone and McLean Information Systems Success model. Research results have shown that the Google Classroom has contributed to student learning quality, positively affecting teacher and student satisfaction and the purpose of using this automated classroom learning tool and programs.

Summary of literature Review:

In today's world, it is all about dependence on automatic systems. An intelligent IoT-based class system primarily works with automated electronic objects in the Internet-based Material protocol

called MQTT. The system architecture contains several wireless nodes, middleware, and user interface. All wireless nodes connect to a dedicated or existing network with middleware. This communication is based on the Message Queue Telemetry Transport communication protocol built-in Internet of Things. With the user interaction phase, the user can interact with the middleware of the system. Interaction is done by seeing the user's command with his or her speech. Basically, the secret commands are used to interact with the middleware. Finally, based on user privacy instructions, the automation of each class equipment will be done with the Node MCU which leads to class automation. This offers great benefits to smart classroom systems that use the Internet of Things. This project helps teachers in the classroom to allow them to control the classroom using the android system on the Android smartphone. This paper should address two aspects of the problem of classroom automation through audio and visual methods.

MOTIVATION

An ideal classroom is an environment in which teachers can focus completely on their lectures and the students can concentrate on the information they are being conveyed. Unfortunately, this does not happen in most Indian Classrooms. Disruptions also occur throughout class time such as temperature and light variation in the summer and winter seasons respectively. These problems cause affected students to wander around the class guessing for the right switch and adjusting it to equilibrate the environment back to satisfying or comfortable conditions. Also, after all the classes are completed, students forget to turn off the light and fan in the classroom which in turn results in wastage of electricity. This causes disturbances for both teachers and all the other students, and so to eliminate these irritations an automated classroom is created which allows the classroom to become more efficient, and eliminate any human assistance in controlling the atmosphere

PROBLEM DEFINITION

It is observed that consumption of electricity is high in schools and colleges to reduce human efforts and overcome the problem of overconsumption automating things and devices using a programmed microcontroller (esp32) can save electricity and reduce human efforts as well.

AIM

To automate the classroom using ESP 32 and to control the lights and fan in the classroom by mobile application.

OBJECTIVES

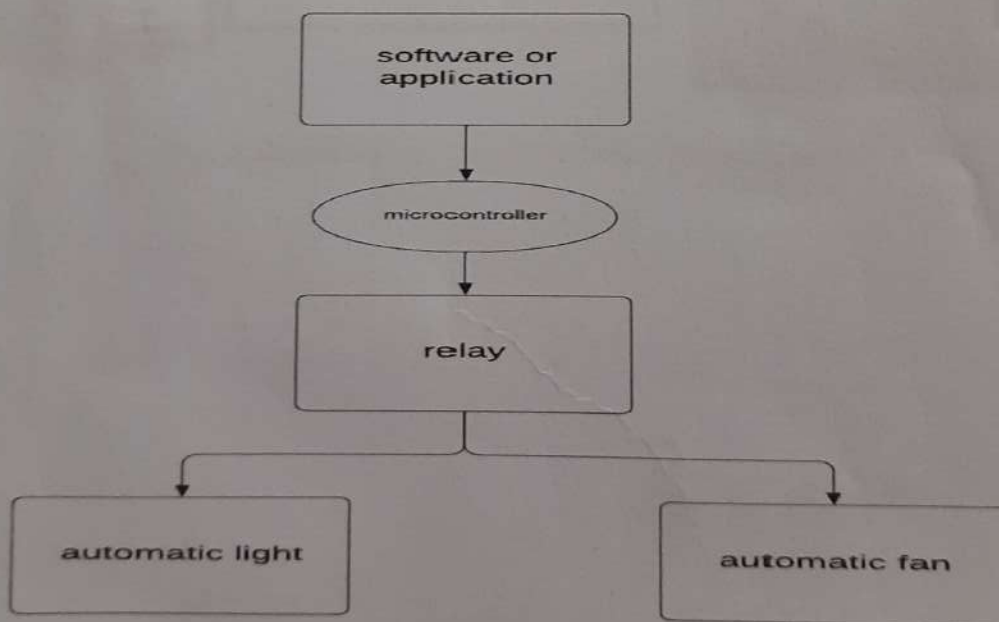
- To save electricity
- To Automate the fans and lights in the classroom

- To control the appliances in the classroom from anywhere in a specific range of wifi using a mobile application
- To make the device smart to detect presence of a person
- Controlling the overall devices through the software

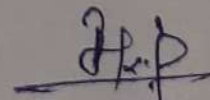
PROPOSED SYSTEM

- Firstly, through the software or the app, we will give the instructions that will be accepted by the microcontroller in our case it is in the Esp32c6 Module.
- All the instructions given through the microcontroller will be then given to the Esp32c6 Module and then the instructions will be uploaded to the Module and it is attached to the server through the USB Port.
- The instruction given to the software or the app now it is accepted by the microcontroller and then the further instruction related to turning the lights and fans (i.e. ON OR OFF) is now given to the relay module.
- After the instructions are given through the relay module the further process of turning the lights and fans will be done.
- It will detect presence of a person in the room if no person in the room it will turn all devices off.

Following diagram shows flowchart of program : in first part it will check app status and check app for relay operation.



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Fig 1 Flowchart of Project

FLOWCHART/DESIGN DETAILS

Signal is send by Application to ESP 32 C6. Microcontroller will command the Relay. Fan/Light will go ON/OFF.

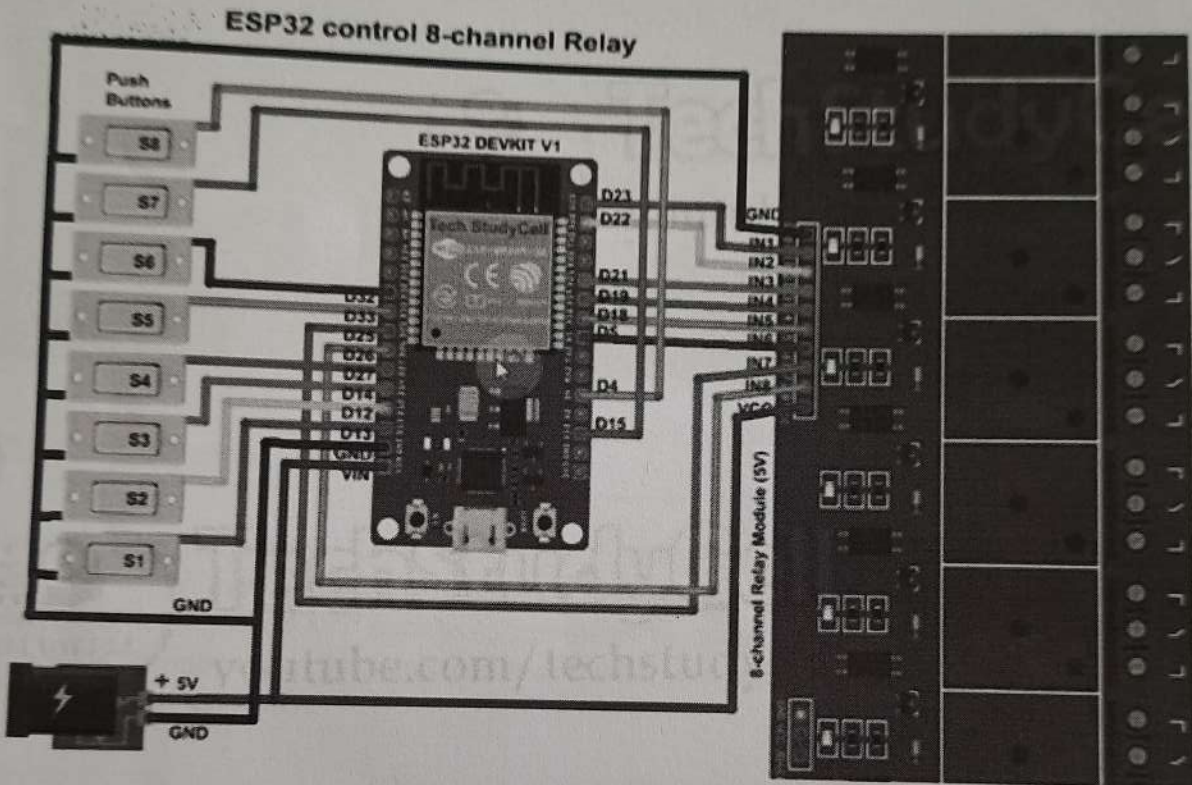
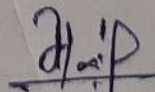


Fig. 2 Manual Switches, Esp 32 & Relay Module Connection

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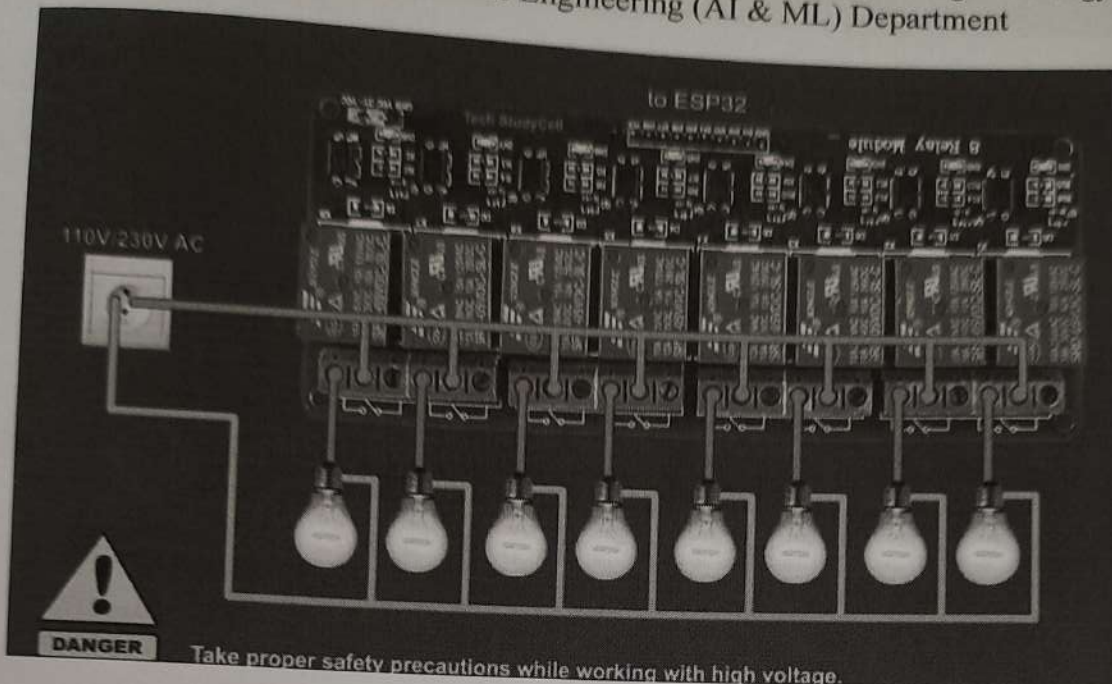


Fig. 3 Bulb & Relay Connection

BLOCK DIAGRAM/ DESIGN DETAILS

Following figure shows block diagram of Automation system We have ESP32 microcontroller , we have relay connected to Microcontroller. We can turn ON/OFF devices through Mobile APP and through switches by manual connection .
 If there is no one in the class /room/lab it will wait for 5 min and then it will Switch OFF all devices automatically.

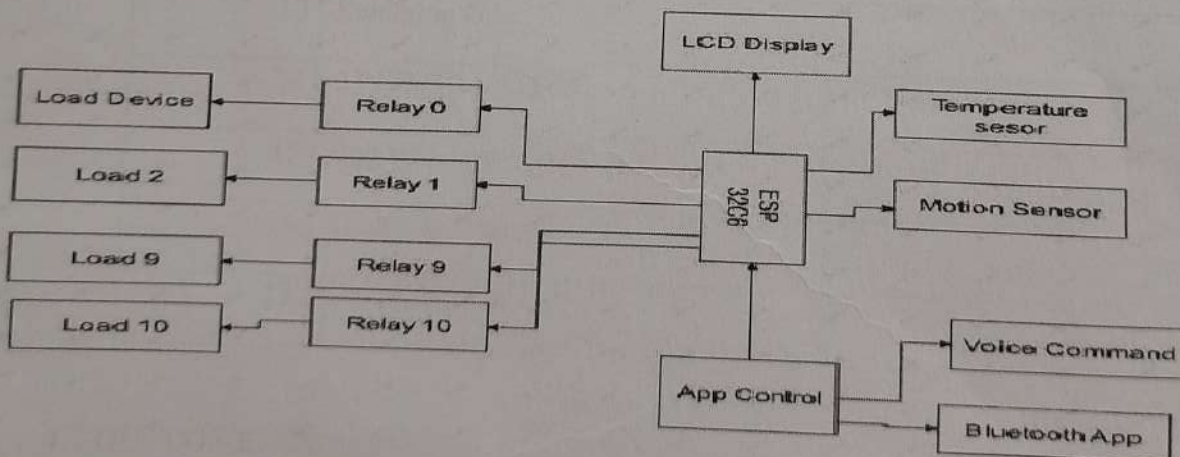


Fig. 4: BLOCK DIAGRAM of ESP32 CONNECTIONS

3.5 HARDWARE LIST

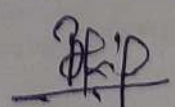
Table Hardware list per class room

SR NO	Component List	Quantity
1	ESP-32-C6	1
2	Ultra sonic Sensor	2
3	Relay(10v)	11
4	Transistor(BC547)	11
5	Diodes(1n400)(1A)	11
6	Resistor(330ohm)	11
7	Terminal Connector(3 pin)	11
8	Buzzer(Passive)(5v)	1
9	Socket(5 pin)	2
10	Power Adaptor(5 v)	1
11	Jumper Wires	1
12	Digital Multimeter	1
13	Soldering Gun	1
14	0 PCB (10 * 7.5CM)	1
15	Bug strip boat type(1 strip)	10
16	Soldering (Material)	1
17	Usb cable(ESP -32)	1

4.1 OUTCOMES/RESULT

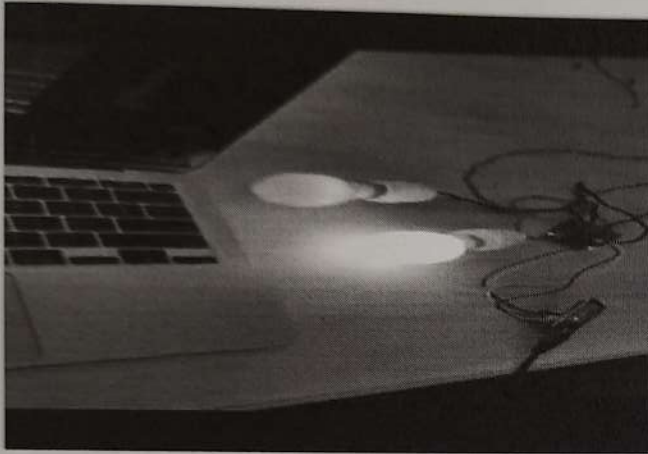
- We can reduce the usage of electric energy or save energy.

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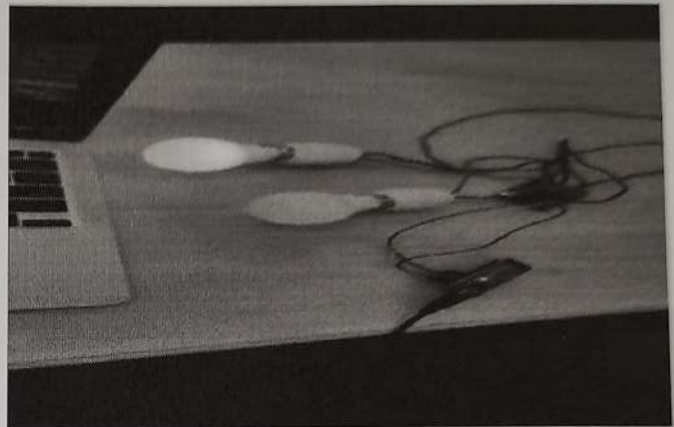

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- As energy usage will reduce it will lower Utility Bills.
- Key-Pad/Data/Voice Control: Enhance safety and security with a variety of fully- automated and -customizable solutions.
- Quantifiable Metrics: Eliminate the guesswork. Know how much energy is being used where and when.



Glowing of Bulbs

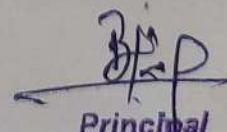


1st Bulb ON and 2nd OFF



Experimental Setup of Operating 4 Bulb via Bluetooth Application

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Fig Class Room B111 : All devices off



Class Room B111 All devices ON though app



Fig Tutorial Room B107 : All devices off



Tutorial Room B107 All devices ON though app



Fig Database Lab B112: All devices off



Database Lab B112: All devices ON though app

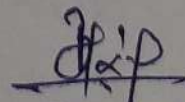
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CONCLUSION/FUTURE SCOPE

- We can control lights and fan in the classroom using a mobile application.
- In future, we will be able to turn off the lights and fan after a particular time using the PIR sensor
- We will also be able to control the curtain using a mobile application
- We will also be able to record attendance.
- We will also be able to record the temperature, and humidity in the classroom

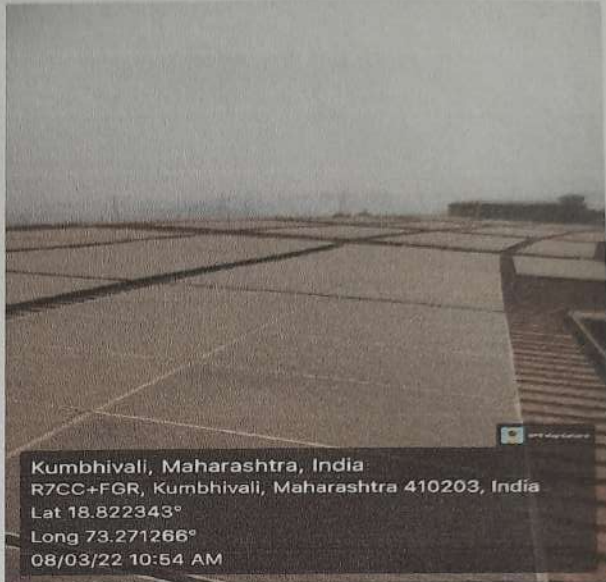
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7.1.2 The Institute has facilities for alternate sources of energy and Energy conservation measures.



SOLAR ENERGY



Wheeling to the grid

Power Efficient Equipment

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Institute of Management Entrepreneurship & Engineering Technology [i MEET]

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Website: vishwaniketan.edu.in

Department of Electronics and Telecommunication Engineering

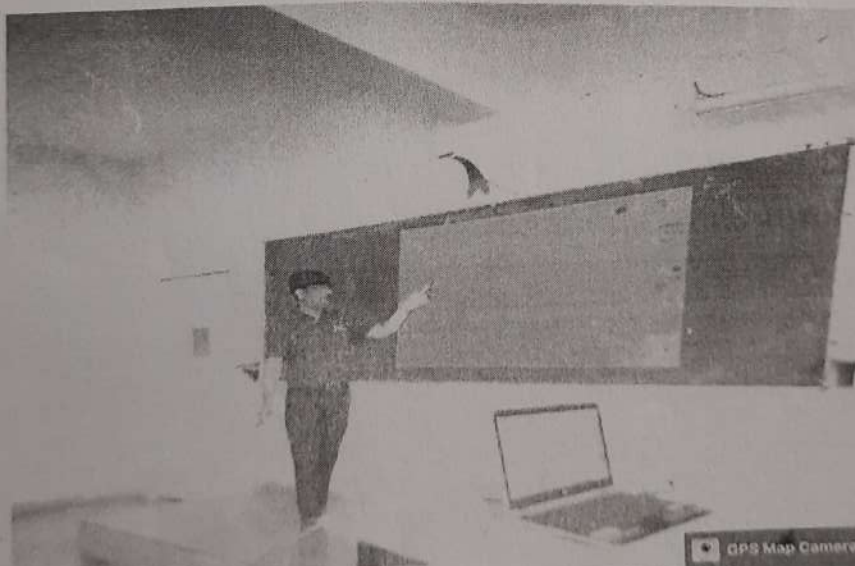
Prof. Sandeep Kate taking lecture on Control System with the help of Smart Board



GPS Map Camera

Kumbhivali, Maharashtra, India
 R7CC+FGR, Kumbhivali, Maharashtra 410203, India
 Lat 18.820952°
 Long 73.271137°
 10/03/22 11:08 AM

Google



GPS Map Camera

Kumbhivali, Maharashtra, India
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