## 4. USE OF LED BULBS/ POWER EFFICIENT EQUIPMENT

Kumaraguru institutions have implemented the use of LED bulbs for all streetlights. There are around 230 streetlights inside the campus. As an energy conservation initiative, conversion of 80 watts Compact Fluorescent Lamp (CFL) into 30 watts Light Emitting Diode Bulbs (totally 224 such Bulbs ) , thirty six number of 40 Watts and twenty nine LED bulbs of 30 Watt and 17 Watt were installed in the campus.
Apart from this, in hostels, 2098 tube lights of 40 Watt are replaced by 16-, 18- or 20-Watt LED bulbs. LED bulbs are also fitted in buildings that were renovated or built after 2017.

## REPORT ON ENERGY SAVING IN THE STREET LIGHT AREA

(Replacement of 65 w CFL to $30 \mathrm{w}, 40 \mathrm{w}, 17 \mathrm{w}$ LED street lights )

| $\begin{gathered} \text { SL.N } \\ \mathrm{O} \end{gathered}$ | PO | $\begin{gathered} \text { QT } \\ \mathrm{Y} \end{gathered}$ | EXISTING LIGHT-CFL |  | NEW LIGHT LED |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | WATT <br> S | TOTAL <br> WATTS | LED <br> WATT <br> S | TOTAL <br> WATTS |
| 1 | PO1718 00509 ( DT-13.Jul.2017) | 11 | 65 | 715 | 40 | 440 |
| 2 | PO171800107 (DT-18-APR-2017) | 7 | 65 | 455 | 40 | 280 |
| 3 | $\begin{aligned} & \text { PO1819/NA1167 ( DT-12.DEC- } \\ & \text { 2018) } \end{aligned}$ | 50 | 65 | 3250 | 30 | 1500 |
| 4 | PO1920/IN0397 (DT-21-SEP-2019) | 159 | 65 | 10335 | 30 | 4770 |
| 5 | PO1920/IN0453 (DT-17.OCT.2019) | 13 | 65 | 845 | 17 | 221 |
| 6 | $\begin{aligned} & \text { PO2021/IN0241 (DT- } \\ & 31 . \mathrm{OCT} .2020 \text { ) } \end{aligned}$ | 10 | 65 | 650 | 40 | 400 |
| 7 | PO2021/IN0440 (DT- 16.FEb.2021) | 25 | 65 | 1625 | 17 | 425 |
| 8 | PO2021/IN0440 (DT- 16.FEb.2021) | 20 | 65 | 1300 | 17 | 340 |
|  | TOTAL KW | 295 |  | 19.175 |  | 8.376 |
| Total Energy Saved Per Hour |  |  |  |  |  | 10.80Wat |

## REPORT ON ENERGY SAVING IN THE HOSTEL AREA

(Replacement of 40 w Tube light into 16,18w LED tube lights )

|  |  |  | EXISTIN | LIGHT-CFL | NEW | LIGHT LED |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SL.NO | PO | QTY | WATTS | TOTAL WATTS | LED WATTS | TOTAL WATTS |
| 1 | PO161700370 | 330 | 40 | 13200 | 18 | 5940 |
| 2 | PO161701272 | 80 | 40 | 3200 | 18 | 1440 |
| 3 | PO161702075 | 280 | 40 | 11200 | 16 | 4480 |
| 4 | PO171801226 | 1358 | 40 | 54320 | 16 | 21728 |
| 5 | PO2021/IN0440 | 50 | 40 | 2000 | 20 | 1000 |
| TOTAL KW |  | 2098 |  | 83.92 |  | 34.588 |
| Total Energy saved Per hour |  |  |  |  |  | 49.33 Watt |

Link For the Bills for LED Purchase:

Led Bulbs Bills.pdf

Sol
291-A, Bharathi Nagar, Marudhamalai Road, P.N.Pudur (PO) Coimbatore - 641 041. Tamilnadu, India.

Mob: 9042402424

GET IN: | $\mathbf{3}$ | $\mathbf{3}$ | $\mathbf{D}$ | V | $\mathbf{H}$ | $\mathbf{P}$ | K | $\mathbf{9}$ | $\mathbf{6}$ | $\mathbf{5}$ | $\mathbf{4}$ | $\mathbf{K}$ | $\mathbf{1}$ | $\mathbf{Z}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{O}$ |  |  |  |  |  |  |  |  |  |  |  |  |  | Sate Code:33


$\qquad$ Transportation Mode :
Vehicle No.
Date of Supply
$\qquad$ Coimbetore-49 $\qquad$
State Code: $\square$ Place of Supply



## FORM JJ / DELIVERY NOTE

 PERFECT ENGINEERING (MYSORE) WORKS2/34, Sakthi Garden Main Road, Seneerkuppam, Chennai - 600056. TIN No. : 33331662684, C.S.T.NO.: 800537 dt.05.07.2004 Ph/460 0=46640.


We certify that to the best of our knowledge the particulars given are true, correct and complete. Receeived the above goods in good order and condition

For PERFECT ENGG (MYSORE) WORKS

Name and Signature of the person to whom the goods
Authorized Signatory




Certified that the particulars given above are true and correct and the amount indicated represents the price actually changed and that there is now flow of additional consideration directly or indirectly from the buyer.


Anoora Energy Conceptsput Ltd 696 Surabiu Nursery Prerrises. Gold Wins.nvinashi Road. Coimbatore-14
GSTIN/UIN: 33AALCA99G4F1ZD Slate Niture Tamil Nadu, Code: 33 .
F-Mail: info@anoorain
Buyer
'KUMARAGURU COLLEGE OF TECHNOLOGY Unit of Ramanandha Adigalar Foundation Chinnavedampatity
Coimbatore - 49
GSTINIUIN $\quad$ 33AAATR3640M1ZG
State Name : Tamil Nadi, Code : 33



S: Cosctiptiont ar Copds 80

1. KL-5088. PRINCE MIDILEDE27 HOLDER .

2 PHILLIPS 17W LED BULBIE27 HOLDER.


Amounl Chargeable (in wordśs)
Forty Four Thousand Three Hundred Fifty INR Only.

callideol fiv paymt Rs $44,350 /$ (Forly foriv trusad ad lavece mond forly Nes)

$$
\alpha \lim _{a 102} 2019 .
$$




## NIVI ELECTRICAL

29,30, KANAKKAL STREET K.K.PUDUR

BATORE - 641038.
S. N/UIN: 33ALHPK2272N1ZX

S:-te Name: Tamil Nadu, Code : 33
E-Mail : nivielectricals2001@gmail.com
Buyer
Kumaraguru College of Technology
Chinnavedampatty
Coimbatore - 641049
GSTIN/UIN
: 33AAATR3640M1ZG
State Name : Tamil Nadu, Code : 33

| Invoice No. e-Way Bill No. <br> 489/20-21 | Dated <br> 24-Feb-2021 |
| :--- | :--- |
| Delivery Note | Mode/Terms of Payment |
| Supplier's Ref. | Other References) <br> Buyer's Order No. <br> PO2021/IN0440 |
| Despatch Document No. | Dated |
| 16-Feb-2021 |  |
| Despatched through | Destination |
| Terms of Delivery |  |

Th s of Delivery


$$
\text { ReNO }-601 / 413121
$$

Rishabh Corporation
Unit of Rishabh Cables and Electricals P Ltd No.319-A \& 319-B Nehru Street No. 2 Peelamedu, Coimbatore Phone No: 7708127861, 77.08017222
lis yon
Kıumaraguru College of Technology (General Stores) 'tical Stores
kill Campus,
i.linnavedampatty

Coimbatore-641 049
, Ph.No:0422-2387460

Invoice No.
PL-370/16-17
Delivery Note

Buyer's Order No.
PO NO:PO161700370 Dt:1.6.16
Despatch Document No.
| Despatched through

Terms of Delivery

Dated
15-Jun-2016
Mode/Terms of Payment ${ }^{--}$
Dated
15-Jun-2016
Dated
Destination



| Company's VAT TIN | $: 33361782026$ |
| :--- | :--- |
| Company's CST No. | $: 269035$ |

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




This is a Computer Generated Invoice




Part Bill -i
(ORIGINAL FOR RECIPIENT)

## NIVI ELECTRICAL <br> 29,30, KANAKKAL STREET

 K.K.PUDURCg10:BATORE - 641038
S. N/UIN: 33ALHPK2272N1ZX
S. Te Name: Tamil Nadu, Code : 33

E-Mail : nivielectricals2001@gmail.com
Buyer
Kumaraguru College of Technology
Chinnavedampatty
Coimbatore - 641049
GSTIN/UIN : 33AAATR3640M1ZG
State Name : Tamil Nadu, Code : 33


Terms of Delivery


## Company's PAN

$\therefore$ ALHPK2272N
Declaration
We declare that this invoice shows the actual price of the
goods described and that all particulars are true and correct.


This is a Computer Generated Invoice

$$
\text { R. No: }-6011413121
$$

