



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर - 208002, उ.प्र., भारत

HARCOURT BUTLER TECHNICAL UNIVERSITY

NAWABGANJ, KANPUR - 208002, U.P., INDIA

(Formerly Harcourt Butler Technological Institute, Kanpur)

Phone : +91-0512-2534001-5, 2533812, website : <http://www.hbtu.ac.in>, Email : vc@hbtu.ac.in

100 YEARS
1921 - 2021

HEI Response: Metric ID 7.1.2

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(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002



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Solar Energy

The Institution has Facilities for Solar Energy Usage




(Prof. S.K. Sharma)
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Biogas Plant

The Institution has Facilities of Biogas Plant for Solid Waste Management




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Sensor-based Energy Conservation

The Institution has Facilities of Sensor-based Energy Conservation at Shatabdi Bhavan, West campus




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Use of LED bulbs/ power efficient equipment

The Institution has Facilities of LED bulbs at Shatabdi Bhawan HBTU, West Campus





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Use of LED bulbs/ power efficient equipment

The Institution has Facilities of LED Bulbs




(Prof. S.K. Sharma)
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100 YEARS
1921 - 2021

Solar Energy

072

To
Director
HBTU Kanpur

Non-conventional Energy Development
Agency, Uttar Pradesh
1st Floor, Vikas Bhawan
Rawalpore, Kanpur.
Ph # (0512) 255517

BILL

Date: 27/03/2014

SUPPLY & INSTALLATION OF DOMESTIC SOLAR WATER HEATING SYSTEM OF CAPACITY 1000 LPD AT TEMPERATURE 60° WITH COLD & HOT WATER TANK AND ELECTRICAL BACKUP.

AT HOSTEL NO. 2 WEST CAMPUS

ASSETS SPECIFICATION & COST DETAILS FOR 1000 LITER

Sl. No.	NAME OF ITEM	SPECIFICATION & SIZE	UNIT	RATE (RS.)	QTY	COST (RS.)
1	Solar Collector	ISI 1500	Nos.	-	10 Nos.	
2	Instruments (if any) I. Temperature Indicator	3" (0-120° C) (T-150)	No.	-	01 No.	
3	Cold Water Tank	PVC Sintex 1000 Ltrs.	No.	-	01 No.	
4	Hot Water Tank	S.S. Tank 1000 Ltrs.	No.	-	01 No.	1,29,500.00 (1 to 6)
5	Electrical Backup	3 x 3 KW	Set	-	01 Set	
6	Gate Valve	ISI 1"	Nos.	-	04 nos	
7	Cold Water Pipe Line upto System	ISI "B" Class 1"	Mtrs.	110/-	22.90 mtrs	2,519.00
8	Hot Water Distribution Pipe (from Storage tank)	ISI "B" Class 1"	Mtrs.	250/-	10.90 mtrs	2,725.00
9	Hot Water Piping	ISI "B" Class 1/2"	Mtrs.	180/-	06.90 mtrs.	1,242.00
G. Total.....(1 to 9)						1,35,986.00
Less subsidy Rs.4000/- per 100 LPD i.e. (-)						40,000.00
Net Amount.....						95,986.00
(Rupees Ninety five thousand nine hundred eighty six only)						

Handwritten notes and signatures at the bottom left of the page.

(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002



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100 YEARS
1921 - 2021

PERFORMANCE & HANDING OVER CERTIFICATE (FOR DOMESTIC SOLAR WATER HEATING SYSTEM)

672

Certified that a Solar Water Heating System of Capacity 1000 L.P.D....
at temperature 60 has been installed, Commissioned and tested successfully
at Hostel No. 2, West Campus, H.B.T.I., Kanpur.....

(Full address of site)

and has been handed over to us on dated 13/02/24, with the following assets
under Demo/Subsidy Programm.

S.N.	Item	Specification & Size	Quantity
1.	Solar Collector	ISI	✓ 01 No.
2.	Instruments (If any)		
	I. Temperature indicator	3" Dia. 0° to 150°	✓ 01 No.
	II.		
3.	Cold Water Tank	PVC, Sinden 1000ltr	✓ 01 No. ✓
4.	Hot Water Tank	SS Tank 1000ltr	✓ 01 No.
5.	Electrical Backup	3x3kw Backup	✓ 01 No.
6.	Gate valve	ISI - 1" Dia	✓ 04 No.
7.	Cold water pipe line upto system.	ISI - 1" Dia	✓ 22.90mts
8.	Hot water distribution pipe line (from storage tank)	ISI - 1" Dia	✓ 10.90mts
9.	Any other Item.	ISI, 1/2" Dia.	✓ 06.90mts
	I.		
	II.		
	III.		

Handed Over by:

For M/s Hitech Systems
For NITECH SYSTEMS

(Authorized Signatory)
Authorized Signature

Name: Radhesh Kumar Singh

Seal:

Taken Over by NEDA

Signature:

Name of P.O.: Shashi Gupta

परिचयना अधिकारी

Seal: हरकोर्ट बटलर प्राविधिक विश्वविद्यालय (२०२०)

कानपुर नगर

Taken Over By User

Signature:

Name: Dr. S.K. Sharma

Seal:

WARDEN

West Campus Hostel - II

H. B. Technological Institute

Kanpur - 208002

(Prof. S.K. Sharma)

Registrar
Harcourt Butler Technical University
Kanpur-208002



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

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HARCOURT BUTLER TECHNO STOCK

Name of Article Domestic Solar Water

RECEIPT

Date of Receipt	Challan No. & Date	Bill No. and Date	From whom received	Quantity Received	Rate		Value		Quantity after Qty. in stock at the time of fresh receipt
					Rs.	P.	Rs.	P.	
1	2	3	4	5	6	7	8	9	
Material directly received by Hostel Warden on dt. 13.2.2014.	Bill No. Nil and dt. 13/1/13/1	Bill No. Nil and dt. 13/1/13/1	M/S परिचयना इंजीनियरिंग, वैश्वविद्यालय कक्षा विभाग, नवाबगंज, कानपुर, उ.प्र. (30.90 (जी.डी.) विकास राज्य, पंचसरोवर, सी.टी.डी.डी., रावतपुर, कानपुर)						
			पुनः 13/1/13/1						
			दिनांक 17.6.14.						
			दिनांक 15.06.2014.						
<p>(A) SUMMARY & INSTALLATION OF DOMESTIC SOLAR ONSET Water Heating System of Capacity 1000L at temperature 60° with cold & Hot Water tank and Electrical Backup.</p> <p>Details Hereunder:</p>									
<p>ASSETS, Specifications & Cost Details For Installation.</p>									
1. Solar Collector		ISI		Qty. 12 Nos.	✓				
2. Instruments (if any)		3" (0-120°C to 150°C)		01 No.	✓				
3. Cold Water Tank		PVC Sintax 1000 ltrs		01 No.	✓		129,500=00		
4. Hot Water Tank		S.S. Tank 1000 ltrs.		01 No.	✓		(S.I. to 6)		
5. Electrical Backup		3 x 8 kW		01 Set	✓				
6. Gate Valve		ISI 1"		06 Nos.	✓				
7. Cold Water Pipeline Up to System		ISI "8" Class 1"		22.90 mtrs.	✓	1100=00	25190=00		
8. Hot Water Distribution pipe (From storage tank)		ISI "8" Class 1"		10.70 mtrs.	✓	250=00	2725=00		
9. Hot water piping		ISI "8" Class 1/2"		06.70 mtrs.	✓	1800=00	12112=00		
Gr. Total Rs.								1,85,986=00	
Less Subsidy Rs. 1,00,000/- (100 L.P.D. i.e. 60) Ft								40,000=00	
Net Amount Rs.								(1,45,986=00)	

(S. S. Sharma) Kanpur Harcourt Butler Technical University Kanpur



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To
Director
HBTI Kanpur

Non-conventional Energy Development
Agency, Uttar Pradesh
1st Floor, Vikas Bhawan
Rawatpoo, Kanpur.
Ph // (0512) 255517

BILL

Date: 27/03/2009

SUPPLY & INSTALLATION OF DOMESTIC SOLAR WATER HEATING SYSTEM OF CAPACITY 1000 LPD AT TEMPERATURE 60° WITH COLD & HOT WATER TANK AND ELECTRICAL BACKUP.

AT HOSTEL NO-3 WEST CAMPUS

ASSETS SPECIFICATION & COST DETAILS FOR 1000 LITER

Sl. No.	NAME OF ITEM	SPECIFICATION & SIZE	UNIT	RATE (RS.)	QTY	COST (RS.)
1	Solar Collector	ISI	Nos.	-	10 Nos.	
2	Instruments (if any) I. Temperature Indicator	3" (0-120° C) (-15°C)	No.	-	01 No.	
3	Cold Water Tank	PVC Sintex 1000 Ltrs.	No.	-	01 No.	
4	Hot Water Tank	S.S. Tank 1000 Ltrs.	No.	-	01 No.	1,29,500.00 (1 to 6)
5	Electrical Backup	3 x 3 KW	Set	-	01 Set	
6	Gate Valve	ISI	Nos.	-	05 nos.	
7	Cold Water Pipe Line Upto System	ISI "B" Class 1"	Mtrs.	110/-	09.70 mtrs	1,067.00
8	Hot Water Distribution Pipe (from Storage tank)	ISI "B" Class 1"	Mtrs.	250/-	38.20 mtrs	9,550.00
9	Hot Water Piping	ISI "B" Class 1/2"	Mtrs.	180/-	20.50 mtrs.	3,690.00
G. Total.....(1 to 9)						1,43,807.00
Less subsidy Rs.4000/- per 100 LPD i.e. (-)						40,000.00
Net Amount.....						1,03,807.00
(Rupees one lac three thousand eight hundred seven only)						

C.K. Reports is submitted
Certified that Director has examined 31/3/09 extra
in No. SPS/Hostel/... Hostel No 3 WE
Latest and accurate to...
Ravi K. S. ...

(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002



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100 YEARS
1921 - 2021

**PERFORMANCE & HANDING OVER CERTIFICATE
(FOR DOMESTIC SOLAR WATER HEATING SYSTEM)**

23

Certified that a Solar Water Heating System of Capacity 1,000 L.P.R. at temperature 60° has been installed, Commissioned and tested successfully at Hostel No. 3, West Campus, H.B.T.I., Kanpur

(Full address of site)

and has been handed over to us on dated 13/02/04 with the following assets under Demo/Subsidy Program.

S.N.	Item	Specification & Size	Quantity
1.	Solar Collector	ISI	10 Nos.
2.	Instruments (If any)		
	I. Temperature indicator	3" Dial 0° to 150°	01 Nos.
	II.		
3.	Cold Water Tank	PVC Sintex 1000 ltr	01 Nos.
4.	Hot Water Tank	SS Tank 1000 ltr	01 Nos.
5.	Electrical Backup	3x3 kw Daspar	01 Set
6.	Gate valve	ISI 1" Dia.	05 Nos.
7.	Cold water pipe line upto system.	ISI 1" Dia	09-70 mtr
8.	Hot water distribution pipe line (from storage tank)	ISI 1" Dia	38-20 mtr ✓
9.	Any other Item.	ISI 1/2" Dia	20-50 mtr ✓
	I.		
	II.		
	III.		

Handed Over by:

For M/s Hitech Systems
For HITECH SYSTEMS

Ratnesh

(Authorized Signatory)
Authorized Signature

Name: Ratnesh Kumar Singh

Seal:

Taken Over by NEDA

Signature:

Shashi Gupta

Name of P.O.: Shashi Gupta

परियोजना अधिकारी
Seal: कर्मा विकास संस्थान (उ०प्र०)
कानपुर नगर

Taken Over By User

Signature:

P. K. Kamari

Name:

(P. K. Kamari)

Seal:

(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002



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100 YEARS
1921 - 2021

HARCOURT BUTLER TECHNICAL UNIVERSITY STOCK

Name of Article Domestic

RECEIPT

Date of Receipt	Challan No. & Date	Bill No. and Date	From whom received	Quantity Received	Rate Rs. P.	Value Rs. P.	Quantity after Qty. in stock on the date of fresh receipt
1	2	3	4	5	6	7	8
material directly received By WCH Wardan Wardan on dt. 13-02-2014		Bill No. Nil dt. 27-03-2014 and पत्रां, 13-जिना दिनांक 17.06.14	M/S परिप्रेक्षा इंजीनियर्स, नेशनल इन्ज. निगम संस्था, इण्डिया विमान उड्डयन विभाग, एरिस्ट्रॉन, रायपुर, छत्तीसगढ़				
कृपया नोट करें। संकल्प सं. 90 दिनांक 15-6-2014		क/क/2004					
<p>① Supply & Installation of Domestic solar Onset Water-heating System of Capacity 1000 Lit. Details as under At temperature 60°C with Cold & Hot water line and Electrical Backup.</p> <p>Assets Specification & Cost Details for 1000 Liter.</p>							
Sl. No.	Name of Item	Specification & Size	Qty.				
1.	Solar Collector	ISI	1 No.				
2.	Instruments (if any)	3" (0-120°C) to 150°C	01 No.				
	I. Temperature Indicator						
3.	Cold Water Tank	PVC Sixter 1000 litre.	01 No.			1,29,500-00	
4.	Hot Water Tank	S.S. Tank 1000 litre.	01 No.			(S.I. 106)	
5.	Electrical Backup	3x2KW	01 Set				
6.	Gate Valve	ISI 1"	05 Nos.				
7.	Cold water Pipe (mtr) to System	ISI "B" class 1"	09.7 mtr		110-00	1,067-00	
8.	Hot water Distribution pipe (From storage tank)	ISI "B" class 1"	38.2 mtr		250-00	9,550-00	
9.	Hot water piping	ISI "B" class 1/2"	20.5 mtr		180-00	3,690-00	
Gr. Total Rs.						1,43,807-00	
Less Subsidy Rs.						40,000-00	
Net Amt. Rs.						1,03,807-00	

(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002

21-6-14



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100 YEARS

1921 - 2021

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To
Director
HBT I-Kanpur

Non-conventional Energy Development
Agency, Uttar Pradesh
1st Floor, Vikas Bhawan
Rawatpoo, Kanpur.
Ph # (0512) 255517

BILL

Date: 30/03/2007

SUPPLY & INSTALLATION OF DOMESTIC SOLAR WATER HEATING SYSTEM OF CAPACITY 1000 LPD AT TEMPERATURE 60° WITH COLD & HOT WATER TANK AND ELECTRICAL BACKUP.

AT HOSTEL NO. 3 LAKE VIEW EAST CAMPUS HBT KANPUR

ASSETS SPECIFICATION & COST DETAILS FOR 1000 LITER

Sl. No.	NAME OF ITEM	SPECIFICATION & SIZE	UNIT	RATE (RS.)	QTY	COST (RS.)
1	Solar Collector	BIS	Nos.	-	10 Nos.	
2	Instruments (if any) I. Temperature Indicator	3" (0-120° C) (-15° F)	No.	-	01 No.	
3	Cold Water Tank	PVC Sintex 1000 Ltrs.	No.	-	01 No.	
4	Hot Water Tank	S.S. Tank 1000 Ltrs.	No.	-	01 No.	1,29,500.00 (1 to 6)
5	Electrical Backup	3 x 3 KW	Set	-	01 Set	
6	Gate Valve	BIS 1"	Nos.	-	04 nos.	
7	Cold Water Pipe Line Upto System	BIS "B" Class 1"	Mtrs.	110/-	33.00 mtrs	3,630.00
8	Hot Water Distribution Pipe (from Storage tank)	BIS "B" Class 1"	Mtrs.	250/-	11 mtrs	2,750.00
9	Hot Water Piping	BIS "B" Class 1/2"	Mtrs.	180/-	36.50 mtrs.	6,570.00
G. Total.....(1 to 9)						1,42,810.00
Less subsidy Rs.4000/- per 100 LPD i.e. (-)						40,000.00
Net Amount.....						1,02,810.00

(Rupees One Lakh Two Thousand Eight Hundred Ten, only)

C.K. Raut in control
31/5/06
Hostel No. 3 Lake View
Certified that Director's order is in the file No. SPS/1100/06
14

(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002

परिचयना प्रमाणित
द्वारा 30/03/2007



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर - 208002, उ.प्र., भारत

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100 YEARS 1921 - 2021

PERFORMANCE & HANDING OVER CERTIFICATE (FOR DOMESTIC SOLAR WATER HEATING SYSTEM)

672

Certified that a Solar Water Heating System of Capacity 1000 L.P.D. at temperature 60°C has been installed, Commissioned and tested successfully at Hostel No. 3, Lake View East, Campus, H.B.T.U., Kanpur.

(Full address of site)

and has been handed over to us on dated 30.03.04 with the following assets under Demo/Subsidy Program.

Table with 4 columns: S.N., Item, Specification & Size, Quantity. Lists items like Solar Collector, Instruments, Cold Water Tank, Hot Water Tank, etc.

Handed Over by:

For M/s Hitech Systems For HITECH SYSTEMS

Authorized Signatory Authorized Signature

Name: Ratnesh Kumar Singh

Seal:



Handwritten notes: Checked & Verified my me. Ask 12/04/04

Taken Over by NEDA

Signature:

Name of P.O. (with handwritten name)

Seal:

Taken Over By User

Signature: (handwritten)

Name: Dr. Ram Nagesh

Seal: (handwritten)

(Prof. S.K. Sharma) Registrar Harcourt Butler Technical University Kanpur-208002



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर - 208002, उ.प्र., भारत

HARCOURT BUTLER TECHNICAL UNIVERSITY

NAWABGANJ, KANPUR - 208002, U.P., INDIA

(Formerly Harcourt Butler Technological Institute, Kanpur)

Phone : +91-0512-2534001-5, 2533812, website : <http://www.hbtu.ac.in>, Email : vc@hbtu.ac.in



HARCOURT BUTLER TECHNICAL UNIVERSITY STOCK

Name of Article Domestic Solar water Heating

RECEIPT PARTICULARS								Quantity after
Date of Receipt	Challan No. & Date	Bill No. & Date	From whom received	Quantity Received	Rate Rs. P.	Value Rs. P.	Quantity in Stock at the time of fresh receipt	
1	2	3	4	5	6	7	8	
Material directly received by Mr. S.K. Sharma, Head of the Deptt. of Mechanical Engineering, HBTU Kanpur on 15.06.2014	BILL No. N.D. 1001/14 Date: 30.3.14 and 17.06.2014	श्री. ए.के. शर्मा, प्रमुख, विद्युत मंत्रालय, कानपुर श्री. ए.के. शर्मा, प्रमुख, विद्युत मंत्रालय, कानपुर श्री. ए.के. शर्मा, प्रमुख, विद्युत मंत्रालय, कानपुर	श्री. ए.के. शर्मा, प्रमुख, विद्युत मंत्रालय, कानपुर					
<p>संख्या: सं. 9/SPS/2014 दिनांक 15.06.2014</p> <p>① Supply & Installation of Domestic Solar water Heating System of Capacity 1000 Ltr & Temperature 60°C Cold & Hot water tank and Electrical Backup.</p> <p>Work Specification & Cost Details for 1000 litres.</p>								
S. No.	Name of Item	Specification & size	Qty.					
1	Solar Collector	BIS	10 Nos.					
2	Instruments (4 nos)							
	Temperature Indicator	2" (0-120°C) To 100°C	01 No.					
3	Cold water Tank	PVC Sintax 1000 litres	01 No.			1,29,500.00		
4	Hot water Tank	S.S. Tank 1000 litres	01 No.			(60176.00)		
5	Electrical Backup	3x8KW	01 set					
6	Gate Valve	BIS 1"	01 Nos.					
7	Cold water like line pipe	BIS "B" class 1"	23.00 mtrs	110.00		3,630.00		
8	Hot water distribution pipe (From Storage tanks)	BIS "B" class 1"	11.00 mtrs	250.00		2,750.00		
9	Hot water piping	BIS "B" class 1/2"	28.50 mtrs	110.00		69,300.00		
Gr. Total Rs.						1,42,810.00		
Less subsidy Rs. 1,02,810.00 KALPD i.e.						40,000.00		
Net Amount -						Rs. 1,02,810.00		

(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002



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LOGICAL INSTITUTE, KANPUR
BOOK

201
C.L.

System of Capacity 1000 LPO

Rate

Position Receipt	AND AFTER ISSUE		ISSUE DETAILS				
TOTAL Quantity (5+8)	Quantity Issued	Quantity in balance	To whom issued	Reference to requisition Slip	Date of Issue	Signature of Store keeper	Remarks
9	10	11	12	13	14	15	16
	One set 24x8 lbs condor						
	↓						
	10 Nos.						
	01 No.						
	01 No.						
	01 No.						
	01 set -						
	06 Nos.		(MIL) Nestal Warden	5th/8th	01.07.2014		C.L.
	23 sampls.		L.V. IITD Hostel	(Material already received by Nestal Warden on 01.07.2014)			
	11. sampls						
	28 sampls						

(Prof. S.K. Sharma)

Registrar

Harcourt Butler Technical University
Kanpur-208002



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100 YEARS
1921 - 2021

Letter from District Health Officer reg. the establishment of Biogas plant for the treatment of solid waste

कार्यालय नगर स्वास्थ्य अधिकारी
नगर नियम कानपुर

पत्र संख्या 333/N/502/NSA

दिनांक 23/05/2022

✓
कूलसचिव,
हरकोर्ट बटलर प्राविधिक विश्वविद्यालय,
नवाबगंज कानपुर।

विषय- स्वच्छ भारत मिशन योजनान्तर्गत विश्वविद्यालय के दोनों प्रांगणों में कूड़ा निस्तारण हेतु संयंत्र स्थापित किये जाने के सम्बन्ध में।

महोदय,

कृपया कार्यालय पत्र संख्या-100/3/4 दिनांक 08.03.2022 के क्रम में आपके कार्यालय पत्र संख्या-1687/अनुस्क्षण/2022 दिनांक 11.04.2022 का अवलोकन करने का कष्ट नगरे जिम्मेदार द्वारा आपने स्वच्छ भारत मिशन के योजनान्तर्गत विश्वविद्यालय के कैम्पस में भी ट्रेस-टू-सोडर कम्पोस्टिंग के माध्यम से कचरा प्रबन्धन वैज्ञानिक तरीके से किये जाने हेतु विश्वविद्यालय के दोनों प्रांगणों में जीरा लेण्डफिल कैंम्पस बनाये जाने की सहमति प्रदान की है।

अतः कृपया कैंम्पस में संयंत्र लगाये जाने हेतु संलग्न मानक के अनुसार स्केचर चित्रण व्यवस्था एवं शैड का निर्माण कराने काट करें। ताकि निर्माणापरान्त संयंत्र का स्थापित करवा जा सके।

✓
नगर स्वास्थ्य अधिकारी

प्रतिलिपि:-

- 1- नगर आयुक्त महोदय को सादर अवलोकनार्थ।
- 2- मेसर्स स्वावल सिरासे मैनेजमेन्ट प्रा.लि., इन्टर को सूचनार्थ।

(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002

28/05/22 नगर स्वास्थ्य अधिकारी

125/सि०३५
13/4/22



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

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100 YEARS
1921 - 2021

पत्रांक: 125/अनुसूक्षण / 2022

दिनांक: 13-04-2022

प्रेषक: Letter reg. the establishment of Biogas plant for the treatment of solid waste

कुलसचिव

247
13/4/22

प्रेषित:

नगर आयुक्त

नगर निगम, कानपुर-208002

विषय: स्वच्छत भारत मिशन योजनान्तर्गत विश्वविद्यालय के दोनो प्रांगणो में कूड़ा निस्तारण के सम्बन्ध में।

सन्दर्भ: नगर आयुक्त महोदय के पत्रांक संख्या 1090/3/प, दिनांक: 08.03.2022

महोदय,

कृपया विषयगत सन्दर्भित पत्र का सन्दर्भ ग्रहण करने का कष्ट करें, जिसमें उक्त स्वच्छ भारत मिशन के अन्तर्गत कानपुर नगर निगम द्वारा कानपुर नगर के विभिन्न संस्थानों/कार्यालय में जीरो लैंडफिल कैम्पस बनाये जा रहे हैं। उक्त स्वच्छ भारत मिशन की योजनान्तर्गत विश्वविद्यालय के कैम्पस में भी डीसेन्द्रलाइज कम्पोस्टिंग के माध्यम से कचरा प्रबंधन वैज्ञानिक तरीके से किया जाना है। उक्त हेतु ऑर्गेनिक यानि गीले कचरे के वैज्ञानिक निस्तारण हेतु कानपुर नगर निगम अपनी ओर से एक आटोमेटिक कम्पोस्ट मशीन विश्वविद्यालय को निःशुल्क एवं शर्तों पर उपलब्ध करायेगा।

अतः उपरोक्त के क्रम में स्वच्छ भारत मिशन के अन्तर्गत विश्वविद्यालय अपने दोनो प्रांगण में जीरो लैंडफिल कैम्पस बनाये जाने की सहमति प्रदान करते हैं।

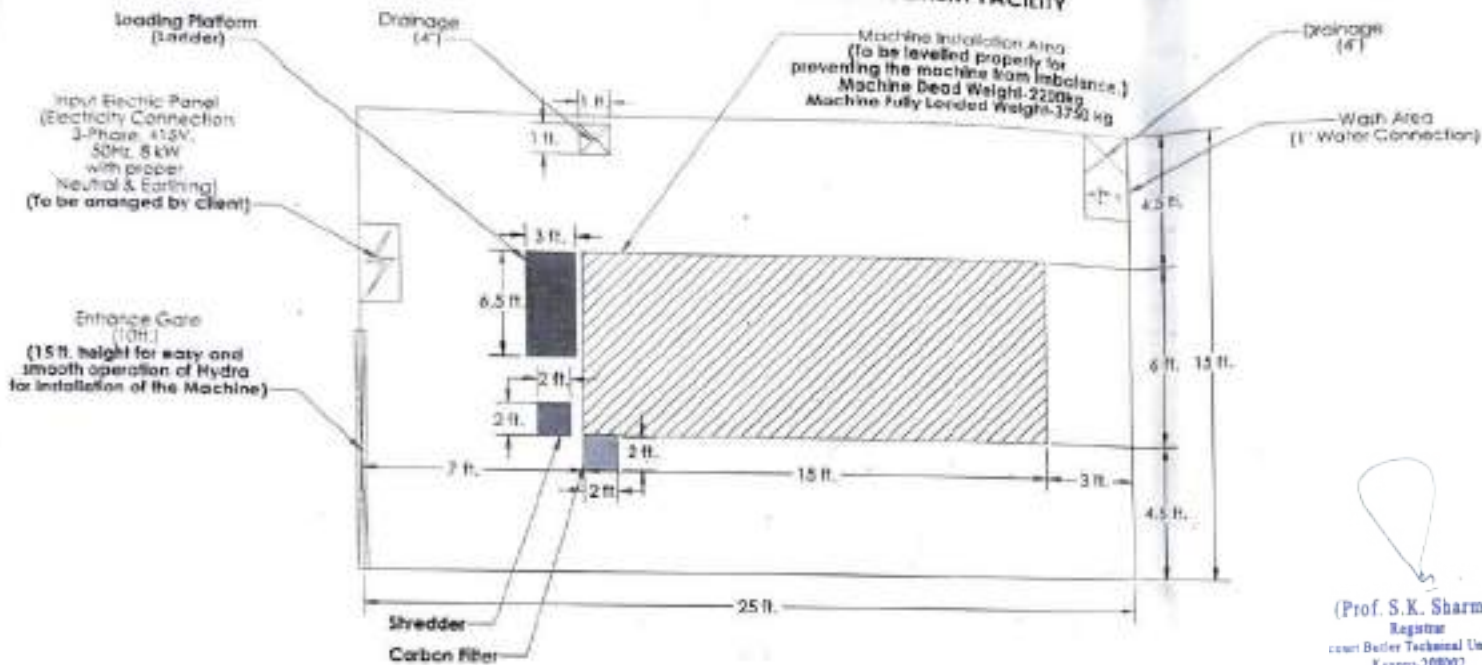
NBA
13/4

fehmas

(प्रो गीरज कुमार सिंह)
कुलसचिव

(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002

DRAFT INSTALLATION LAYOUT DECENTRALISED SOLID WASTE MANAGEMENT FACILITY



(Prof. S.K. Sharma)
Registrar
Jawahar Institute of Technology
Kapurthala-190002

SANATAN SUSTAINABLE SOLUTIONS PRIVATE LIMITED
RELEASED

RELEASED TO :- Ranjeet Singh Mehta
PROJECT :- layout, installation, shed & electrical connection, DECSD, BTH/4th
RELEASED BY :- S.C. DATE: 14/03/2022

Basic Details of Industrial Shed

Area:	375 sq. ft.
Floor:	RCC with proper leveling
Roof:	Minimum 15 feet clear height
Walls:	Minimum 12 feet height

NOT TO SCALE
Actual layout shall vary depending upon installation conditions.

SANATAN SUSTAINABLE SOLUTIONS PRIVATE LIMITED		
DRAWN S.C.	DATE 10.03.2022	PROJECT DECSD/11/04/19/2022/375 sq.ft. (20x15 ft.)
CHECKED S.A.	DATE 13.03.2022	
APPROVED S.C.	DATE 13.03.2022	
DRAWING S.C.	DATE 13.03.2022	

REVISION A
SHEET 1 OF 1

DRAFT INSTALLATION LAYOUT DECENTRALISED ORGANIC WASTE MANAGEMENT FACILITY

**SANATAN SUSTAINABLE SOLUTIONS PRIVATE LIMITED
RELEASED**

REQUESTED TO - Kanya Nagar Nigam

PURPOSE - Layout, Installation, Shed & Electrical Cables/Run/50(250,375sq.ft.)

DATE - 15/03/2022

RELEASED BY - S.C

Roof Sheet

Wall
12 ft. Height

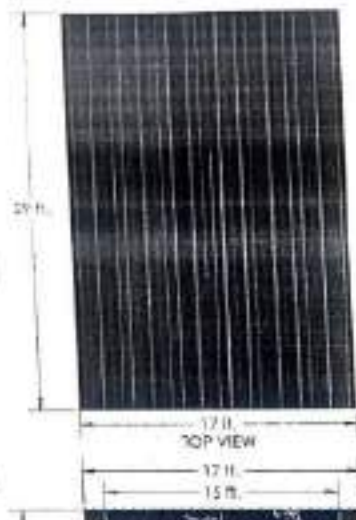
Gate

Floor
(RCC)

ISOMETRIC VIEW



LEFT SIDE VIEW



TOP VIEW



FRONT VIEW

Basic Details of Industrial Shed

Area:	375 sq. ft.
Floor:	RCC with proper leveling
Roof:	Minimum 15 feet clear height from floor & slope towards rear side
Wall:	Minimum 12 feet height

(Prof. S.K. Sharma)
Registrar
Jawahar Institute of Technology
Kanya Nagar-208002



Sanatan Sustainable Solutions Private Limited

DRAWN BY SC	DATE 15.03.2022	SCALE AS PER DRAWING
CHECKED BY K.A	DATE 15.03.2022	SCALE AS PER DRAWING
APPROVED BY S.C	DATE 15.03.2022	SCALE AS PER DRAWING
DRAWING NO. SC/1503/2022	SCALE AS PER DRAWING	SCALE AS PER DRAWING

NOT TO SCALE
Actual layout shall vary depending upon installation conditions.

DRAFT INSTALLATION LAYOUT DECENTRALISED SOLID WASTE MANAGEMENT FACILITY

• Input Mains Electrical Connection to be provided by client:

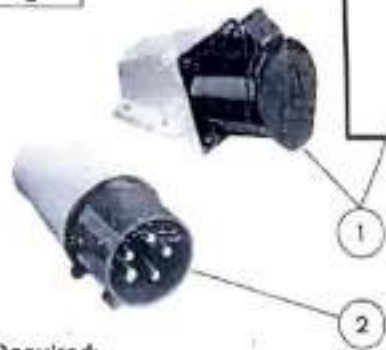
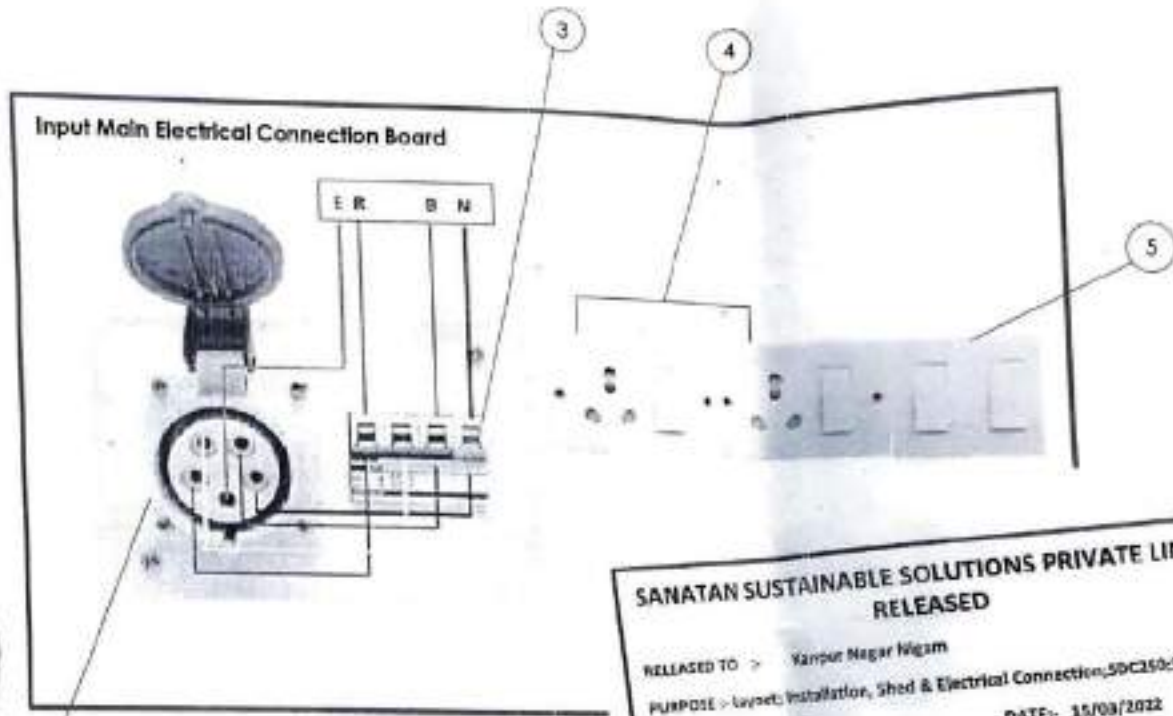
Item Descriptions

S. No.	Description	Quantity
1	32A; 5 Pin; Industrial Socket; Make: CS Electric ; Part No.: CS62442*	1
2	32A; 5 Pin; Industrial Plug Make: CS Electric ; Part No.: CS60042*	1
3	32A; 4 Pole; MCCB Make: Schneider ; Part No.: ACTI9 IC60L*	1
4	16A; Socket with Switch	2
5	Switches; for Internal Shed Lightings	2
6	2.5 sq.mm; 5 Core Cable	30 ft.

*This is just a guideline for proper selection.
The client may select any other similar make
and model as per the availability.

*Additional Things Required for Drainage Connection
will be in Client's Scope

S.No.	Description	Quantity
1	PVC Pipe; 2 inch.	30 ft.
2	Elbow; 2 inch.	5
3	T-Joint; 2 inch.	2
4	Connectors; 2 inch.	3



(Prof. S.K. Sharma)
Registrar
Jawahar Institute of Technology
Kapurthala-160002

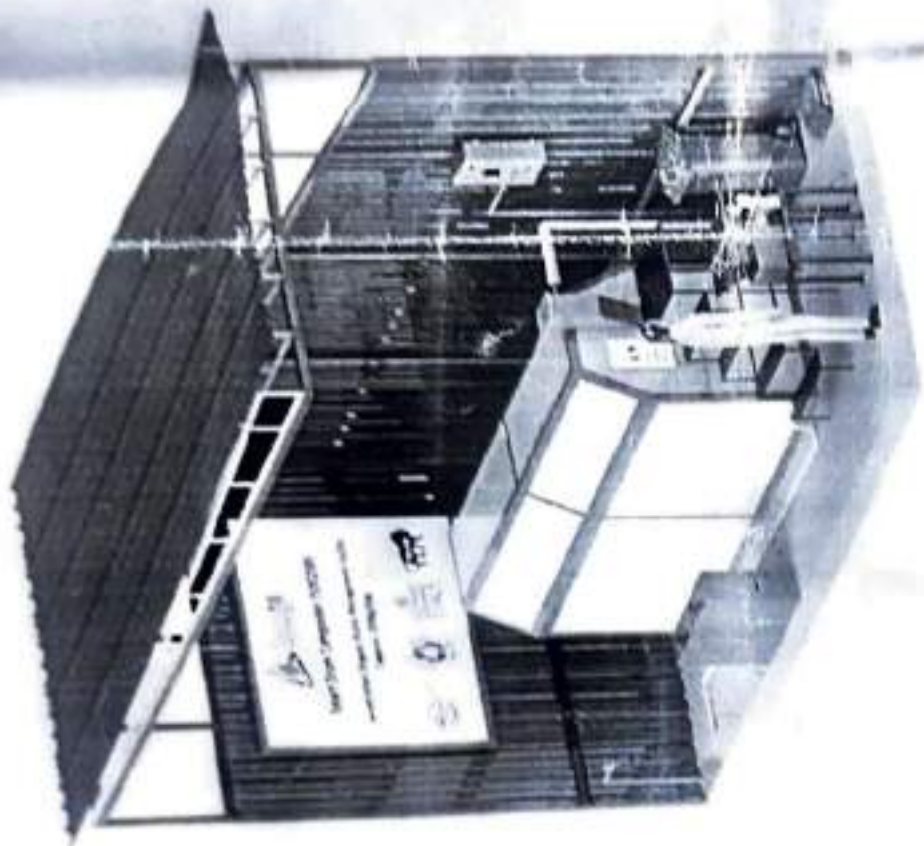
**SANATAN SUSTAINABLE SOLUTIONS PRIVATE LIMITED
RELEASED**


RELEASED TO > Yampur Nagar Nigam
PURPOSE > Layout, Installation, Shed & Electrical Connection, 50C250:375sq.ft.
RELEASED BY > S C
DATE:- 15/03/2022

• Electrical Connection Required:

Sr. No.	Parameter	Unit	Value
1.	Phase	-	3 (R-Y-B) along with Neutral and Earthing
2.	Rated Load	kW	8
3.	Frequency	Hz	50
4.	Volt	V	415

 SANATAN <small>Private Limited</small>		Sanatan Sustainable Solutions Private Limited
DRAWN S C	DATE 15.03.2022	PART DESCRIPTION Electrical Connection; Input Mains; 50C250 (35K15 H.)
CHECKED R A	DATE 15.03.2022	
APPROVED J S	DATE 15.03.2022	PART NO.
		DWG NO. 001-150322-001-A
DIMENSIONS: IN MM		SCALE: 1:1
		REVISION A
		SHEET 3 OF 3
		SIE: A7




(Prof. S.K. Sharma)
Registrar
Kannur Technical University
Kannur-200002



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100 YEARS
1921 - 2021

Sensor-based energy conservation

OFFICE OF THE EXECUTIVE ENGINEER
ELECTRICAL DIVISION-III
U.P. HOUSING & DEVELOPMENT BOARD, KANPUR

BILL OF QUANTITY

NAME OF WORK : Remaining Street Lighting & A.C. Installation Work in Campus of Multi Purpose Hall in Harcourt Butler Technical University, Kanpur.

S.No.	Description of Items	Unit	Qty.	Rate	Amount
1	Supply & fixing of 12.5 mtr High mast shaft of approved make with rising system hot dip galvanised inside & out side dip,heaving pole sheet thickness 3 mm. Top dia minimum 150 mm, Bottom dia 360 mm base plate 32 m thick suitable for wind velocity as per IS 875 part 3 & having no circumferential weld, with accessories for high mast such as head frame suitable for 5 to 12 luminaires & its control gear boxes 1.5 HP power tool motor, 3 point suspension system with steel wire rope 6 mm dia, double drum winch, including making suitable foundation as per manufacture drawing/ site requirement along with foundation bolts nuts, washers, anchor plates,internal wiring, etc complete in all respect. As per PWD SOR-2018 S.I. NO.651	Nos	3	208000.00	624000.00
2	Supply and fixing of factory wired integral LED flood light luminaires with die cast aluminium housing built with driver set suitable for 170 to 200 Watt. Conforming to IP 66 protection complete in all respect. As per PWD SOR-2018 S.I. NO.1455 CAT-AA	Nos	18	11900.00	214200.00
3	Supply and laying of aluminium conductor PVC insulated armoured served sheathed cables 1100 Volts grade at a depth of 750 mm below ground level over a cushion of 75 mm, thick sand all around and protected with burnt bricks on sides and on top. On surface the cable run shall be fixed on M.S. clamps etc. of suitable size or as directed by the Engineer-in-charge, complete in all respect. The armouring of the cable shall be properly connected with the earth conductor by clamps etc. As per PWD SOR-2018 S.I. NO.-501	Meter	300	343.00	102900.00
(i)	16 sq. mm 4 core (i)				
4	Supplying and laying of following size DWC HOPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, joining etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required. As per DSR-2018 14.16	Meter	250	218.00	54500.00
(i)	90 mm dia (OD-90 mm & ID-76 mm nominal) DSR-14.16.2				
5	Supply and burring of Safe Earthing Electrode T-19, (Hot Dip Galvanized), Length up to 3000mm, outer Dia 50 mm inner Dia 25 mm, terminal Dia 12mm, outer GI pipe of 16 swg and inner GI pipe of 12 swg with Hot Dip Galvanization up to 100 micron filled with crystalline conductive mixture (CCM) having anti corrosive & conductive property with 50 kgs activated soil (RFC) capable of reducing the soil resistivity with good mixture of retaining capacity and one earthing lead of 25mm x 3mm G.I. strip, upto switch board (from apron to switch board, the cost of G.I. strip will be extra) along with 30 cm square C.I. frame with hinged cover & masonry housing. Make: As approved in U.P. P.W.D., & C.P.R.I. Certified. As per PWD SOR-2018 S.I. NO. 725 (B)	Nos	3	10040.00	30120.00
6	Supply and fixing following capacity of automatic street light tubicle control panel painted with anti corrosive alkali and acid proof paint consisting of time switch TSO 100 series with contactors, HRC fuses, 8 loop connector, isolating switch metering instrument & instrument box with CTx etc. in case of TPN, complete in all respect. As per PWD SOR-2018 S.I. NO.-807	Nos	3	29300.00	87900.00
(i)	40 Amp. TPN (i)				

msh
S.E.

U.P. HOUSING & DEVELOPMENT BOARD, Kanpur
HBTU-15/Various Work HBTU/ROD/HBTU Balance/SHG WORK HBTU



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Bills of LED Bulbs/power efficient equipment



GeM
Government
e Marketplace

Invoice

BAJAJ ELECTRICALS LIMITED
Khasra No.74B,Village Sarifabad, Raipur, Tehsil, Loni,
Ghaziabad, Ghaziabad, UTTAR PRADESH, 201003
akhilesh.singh@bajajelectricals.com
Contact no : 9871089824

GEM-1536237813828

Order No: GEMC-511687726216814
Order Date: 01-Aug-2018

Bill To:
Ashwani Kumar
Companybagh Nawabganj KANPUR CITY UTTAR PRADESH
208002
Contact: 9721456051
GSTIN: 09AAALH0730N1Z2
Organization: Nawabganj Kanpur Paint Technology

Shipping To:
Sudhir Kumar
Companybagh Nawabganj KANPUR CITY
UTTAR PRADESH 208002
Contact: 9450157728

Seller Invoice No	Invoice Date	Dispatch Mode	Dispatch Date
S29180014558	31-Aug-2018	Transport	06-Sep-2018

Description	HSN Code	Expected Delivery Date	Supplied Qty	Unit Price	Total Price inclusive all Taxes
BAJAJ LED TUBE WITH FIXTURE	94054090	16-Aug-2018	200	220.00 INR	Rs. 44000.00
				CGST	Rs. 2357.16
				SGST/UTGST/IGST	Rs. 2357.16
				Cess	Rs. 0
Grand Total					Rs. 44000.00



(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर - 208002, उ.प्र., भारत

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Bills of LED Bulbs/power efficient equipment



GeM
Government
eMarketplace

Invoice

Lord Krishna Electronic Industries
23-24 Krishna Kurj Extn Laxmi Nagar, EAST DELHI,
Contact no : 9599785929
Bank Account No.: 10193252511
IFSC : SBIN0006499

GEM-1529789802949

Order No: GEMC-511687785718087
Order Date: 02-Jun-2018

Bill To:
Ashwani Kumar
Companybagh Nawabganj KANPUR CITY UTTAR PRADESH
208002
Contact: 9721456051
GSTIN: 09AAALH0730N1Z2
Organization: Nawabganj Kanpur Paint Technology

Shipping To:
Sudhir Kumar
Companybagh Nawabganj KANPUR CITY
UTTAR PRADESH 208002
Contact: 9450157728

Seller Invoice No	Invoice Date	Dispatch Mode	Dispatch Date
25	21-Jun-2018	Transport	21-Jun-2018

Description	HSN Code	Expected Delivery Date	Supplied Qty	Unit Price	Total Price inclusive of Taxes
30W LED STREET LIGHT FITTING	9405	17-Jun-2018	200	990.00 INR	Rs. 198000.00
				CGST	Rs. 0
				SGST/UTGST/IGST	Rs. 21214.28
				Cess	Rs. 0
Grand Total					Rs. 198000.00

(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर - 208002, उ.प्र., भारत

HARCOURT BUTLER TECHNICAL UNIVERSITY

NAWABGANJ, KANPUR - 208002, U.P., INDIA

(Formerly Harcourt Butler Technological Institute, Kanpur)

Phone: +91-0512-2534001-5, 2533812, website: <http://www.hbtu.ac.in>, Email: vc@hbtu.ac.in



Bills of LED Bulbs/power efficient equipment



Invoice

SELLER DETAILS:

Address: **AMAN ENGINEERING COMPANY**
GROUND FLOOR/G95, GANPATI PLAZA, MI ROAD, JAIPUR,
Jaipur, RAJASTHAN, 302001
Email Id: aec1313131313@gmail.com
Contact No : 09602780213
GSTIN: 08AVUP50679L2ZH

GeM Invoice No: GEM-15106589

GeM Invoice Date: 20-Sep-2021

Order No: GEMC-511587762109788

Order Date: 04-Sep-2021

[Click here to download seller invoice](#)

SHIPPING TO:

Consignee Name: Jameel Ahmad
Address: Companybagh Nawabganj KANPUR NAGAR
UTTAR PRADESH 208002

Contact No: 0512-2534001-
GSTIN: 09AAALH0730N1Z2

BILL TO:

Buyer Name: Sudhir Kumar Sharma , Professor
Address: Companybagh Nawabganj KANPUR CITY UTTAR
PRADESH 208002 Higher Education Department Uttar
Pradesh Harcourt Butler Technological Institute
GSTIN: 09AAALH0730N1Z2
Department: Higher Education Department Uttar Pradesh
Office Zone:Nawabganj Kanpur
Organisation: Harcourt Butler Technological Institute

Seller Tax Invoice Number	Seller Tax Invoice Date	Dispatch Mode	Dispatch Date
5/2021/22	15-Sep-2021	Courier	19-Sep-2021

Type of Transport	Tracking No	Tracking URL	Type & No of Packages
-	202102000	Click here for tracking	Box 2

Place of Supply	Place of Supply State (State/UT Code)	Supply Type	Consignee GSTIN Number
Consignee Location	Uttar Pradesh / 09	Inter-State	09AAALH0730N1Z2

Product Description	HSN Code	Measurement Unit	GST UQ Name	Supplied Qty	Unit Price	Total Price inclusive of Taxes
SYSKA 15Watt / 1500 Lumens LED	8539	pieces	BOX	100	Rs. 173.98	Rs. 17398.00
				Taxable Amount	Rs. 15533.83	
				Tax Rate (%)	12	
				IGST	Rs. 1864.07	
				Cess Rate (%)	0.000	
				Cess Amount	Rs. 0.00	
				Cess in Quantum	Rs. 0.00	
				Rounding Off	Rs. 0.00	
					Grand Total	Rs. 17398.00

(Prof. S.K. Sharma)
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Bills of LED Bulbs/power efficient equipment



Invoice

SELLER DETAILS:

Address: **RADHEY ENTERPRISES**
206/13-A, MAKDI KHERRA AGNIBHOTRI NAGAR, C.N.G.PUNE,
NAWABGANJ KANPUR NAGAR, Kanpur Nagar, UTTAR
PRADESH, 208002
Email Id: radheyradhe7755@gmail.com
Contact No: 08158874628
GSTIN: 08FCKP02881N1Z5

GeM Invoice No: GEM18082754
GeM Invoice Date: 07-Apr-2022

Order No: GEMC5119877448098
Order Date: 24-Mar-2022

[Click here to download seller invoice](#)

SHIPPING TO:

Consignee Name: Ashutosh Kumar Singh
Address: Companybagh Nawabganj KANPUR NAGAR
UTTAR PRADESH 208002

BILL TO:

Buyer Name: Chhagan Lal, Professor
Address: Companybagh Nawabganj KANPUR CITY UTTAR
PRADESH 208002 Higher Education Department Uttar
Pradesh Harcourt Butler Technological Institute
GSTIN: 09AAALH0730N1E2
Department: Higher Education Department Uttar Pradesh
Office Zone Nawabganj Kanpur
Organization: Harcourt Butler Technological Institute

Seller Tax Invoice Number	Seller Tax Invoice Date	Dispatch Mode	Dispatch Date
13	07-Apr-2022	Manual	07-Apr-2022

Place of Supply	Place of Supply State (State/UT Code)	Supply Type	Consignee GSTIN Number
Consignee Location	Uttar Pradesh / 09	Intra-State	

Product Description	HSN Code	Measurement Unit	Supplied Qty	Unit Price	Total Price inclusive of Taxes
SYSKA 15Watt / 1500 Lumens LED	8539	pieces	185	Rs. 200.00	Rs. 24150.00
				Taxable Amount	Rs. 21562.50
				Tax Rate (%)	12
				CGST	Rs. 1293.75
				SGST/UTGST	Rs. 1293.75
				Cess Rate (%)	0.050
				Cess Amount	Rs. 0.00
				Cess in Quantum	Rs. 0.00
				Rounding Off	Rs. 0.00
Grand Total					Rs. 24150.00

I/We hereby declare that our maximum turn over during last three years is only Rs. 267011 and hence we are not covered under the ambit of GST e-invoicing provisions. We do hereby declare that once the said provisions are made applicable to us, we shall issue the duly compiled e-invoice under GST Law. All GST Invoice or document issued by us shall be properly and timely reported under respective returns under GST by us in line

(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002



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STIN: 09FCRPD1681N1Z5 **TAX INVOICE** Mob: 9696833770
8188874528

RADHEY ENTERPRISES

13 A 1 Agnihotri Nagar Makarikhera, Navabganj, Kanpur Nagar-208002

Buyer: Finance Controller
HIS TO
KANPUR

Invoice No. 13

STIN: 09AAALH0730N1Z2 Date: 07/04/2022

Description of Goods	HSN Code	Qty./Unit	Rate Per Unit	Amount
<u>System 15 Watt / 200 Bulb</u>		<u>105/-</u>	<u>205-35</u>	<u>21562-50</u>
Geme - 511609774489596				
Date - 24/03/2022				
Value of Goods				<u>21562-50</u>
SGST @ 6 %				<u>1293-75</u>
CGST @ 6 %				<u>1293-75</u>
IGST @ %				
Sub Total				
Round off				
G. Total				<u>24500-00</u>

Value in Words: Twenty four thousand five hundred
one hundred fifty rupees only

Transport Mode: _____ Vehicle No. _____

Supply: _____ Place of Supply: _____

For: **RADHEY ENTERPRISES**
Authorized Signatory: RWC

White - Original For Consignee
Pink - Duplicate of Transporter
Yellow - Triplicate for Consignor

For Kanpur Jurisdiction
If bill is requested on presentation
Invoice @ 18% per annum will be charge.

(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय
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Bills of LED Bulbs/power efficient equipment



Invoice

SELLER DETAILS:
Address: **RADNEY ENTERPRISES**
205/13.A, MAKDI KHERA AGNIHOTRI NAGAR, C.A.G.PUMP,
NAWABGANJ KANPUR NAGAR, Kanpur Nagar, UTTAR
PRADESH, 200002
Email Id: radneeradhe7755@gmail.com
Contact No : 08185874529
GSTIN: 09FCRFD2681N1Z5

GeM Invoice No: GEM-19682753
GeM Invoice Date: 07-Apr-2022
Order No: GEMC-511687764828025
Order Date: 24-Mar-2022

[Click here to download seller invoice](#)

SHIPPING TO:
Consignee Name: Ashutosh Kumar Singh
Address: Companybagh Nawabganj KANPUR NAGAR
UTTAR PRADESH 200002

BILL TO:
Buyer Name: Chhagan Lal, Professor
Address: Companybagh Nawabganj KANPUR CITY UTTAR
PRADESH 200002 Higher Education Department Uttar
Pradesh Harcourt Butler Technological Institute
GSTIN: 09AALH9730N1Z2
Department: Higher Education Department Uttar Pradesh
Office Zone: Nawabganj Kanpur
Organisation: Harcourt Butler Technological Institute

Seller Tax Invoice Number	Seller Tax Invoice Date	Dispatch Mode	Dispatch Date
14	07-Apr-2022	Manual	07-Apr-2022

Place of Supply	Place of Supply State (State/UT Code)	Supply Type	Consignee GSTIN Number
Consignee Location	Uttar Pradesh / 09	Intra-State	

Product Description	HSN Code	Measurement Unit	Supplied Qty	Unit Price	Total Price inclusive of Taxes
SYSKA 9Watt / 900 lumens LED	8536	pieces	200	Rs. 115.00	Rs. 23000.00
				Taxable Amount	Rs. 20516.71
				Tax Rate (%)	12
				CGST	Rs. 1232.14
				SGST/UTGST	Rs. 1232.14
				Cess Rate (%)	0.030
				Cess Amount	Rs. 0.00
				Cess in Quantum	Rs. 0.00
				Rounding Off	Rs. 0.01
Grand Total					Rs. 23000.00

I/We hereby declare that our maximum turn over during last three years is only Rs. 267011 and hence we are not covered under the ambit of GST e-invoicing provisions. We do hereby declare that once the said provisions are made applicable to us, we shall issue the duly compiled e-invoice under GST LAW.
All GST invoice or document issued by us shall be properly and timely reported under respective returns under GST by us in time

(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

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100 YEARS
1921 - 2021

GSTIN : 09FCRFD1881N1ZS TAX INVOICE Mob.: 9695833778
8188874528

RADHEY ENTERPRISES

13 A 1 Agnihotri Nagar Makarikhara, Navabganj, Kanpur Nagar-208002

To: Finance Controller
H.B.T.U.
Kanpur

Invoice No. 14

GSTIN 09AAN2H0730N1Z2 Date 07/04/2022

S. No.	Description of Goods	HSN Code	Qty./Unit	Rate Per Unit	Amount
1	<u>System 9 Watt Led Bulb</u>	<u>0539</u>	<u>200/</u>	<u>102.67</u>	<u>20535.71</u>
Genc - 511607764028626					
Date - 24/03/2022					
Value of Goods					<u>20535.71</u>
SGST @ 6 %					<u>1232.14</u>
CGST @ 6 %					<u>1232.14</u>
IGST @ %					
Sub Total					<u>5</u>
Round off					
G. Total					<u>23600.00</u>

Rupees (In Words) Twenty three thousand only

Transport Mode: _____ Vehicle No. _____
Date of Supply: _____ Place of Supply: _____

All Subject to Kanpur Jurisdiction.
Payment of the bill is requested on presentation
Interest @ 18% per annum will be charge.

White - Original For Consignor
Pink - Duplicate of Transporter
Yellow - Duplicate for Consignee

For-RADHEY ENTERPRISES
P.S.
Authorized Signatory

(Prof. S.K. Sharma)
Registrar
Harcourt Butler Technical University
Kanpur-208002