



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

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 galvanized inside & out side dip, heaving pole sheet thickness 3 mm. Top dia minium 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 6 to 12 luminaires & its control gear boxes 1.5 HP power tool moter, 3 point suspension system with steel wire rope 6 mm dia, double drum winch, including making suitable foundation as per manufacture drawing/ site reuiment along with foundation bolts nuts, washers, anchor plates, internal wiring, etc completee 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 luminares with die cast aluminium housing built with dirver set suitable for 170 to 200 Watt. Confirming 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-Incharge, 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				
(i)	16 sq. mm 4 core (i)	Meter	300	343.00	102900.00
4	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing 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				
(i)	90 mm dia (OD-90 mm & ID-76 mm nominal) DSR-14.16.2	Meter	250	218.00	54500.00
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 (BFC) 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)				
6	Supply and fixing following capacity of automatic street light cubicle 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 CTs etc. in case of TPN, complete in all respect. As per PWD SOR-2018 S.I. NO.-807	Nos	3	10040.00	30120.00
(i)	40 Amp. TPN (f)	Nos	3	29300.00	87900.00

msk
SE



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100 YEARS
1921 - 2021

Solar Energy

072

To
Director
HBTI Kanpur

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

BILL

Date: 27/03/2004

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° 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 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)

C.K. Roberts is enclosed 31/03/04
Certified that Director
in the file No. SP/110/04
Rates are according to...
Ranjan 82

परिचय
विश्वविद्यालय कानपुर (उ.प्र.)



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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 13/02/04 with the following assets under Demo/Subsidy Programm.

S.N.	Item	Specification & Size	Quantity
1.	Solar Collector	ISI	✓ 10 No. ✓
2.	Instruments (If any)		
	I. Temperature indicator	3" Dial, 0° to 150°	✓ 01 No.
	II.		
3.	Cold Water Tank	PVC, Sintex 1000ltr	✓ 01 No. ✓
4.	Hot Water Tank	SS Tank 1000ltr	✓ 01 No. ✓
5.	Electrical Backup	3x3kw Daspan	✓ 01 No. ✓
6.	Gate valve	ISI, 1" Dia	✓ 04 No.
7.	Cold water pipe line upto system.	ISI, 1" Dia	✓ 22.90mtr
8.	Hot water distribution pipe line (from storage tank)	ISI, 1" Dia	✓ 10.90mtr
9.	Any other Item.	ISI, 1/2" Dia	✓ 06.90mtr
	I.		
	II.		
	III.		

Handed Over by:

For M/s Hitech Systems
For HITECH SYSTEMS

Ratmesh

(Authorised Signatory)
Authorized Signature

Name: Ratmesh Kumar Singh

Seal:

Taken Over by NEDA

Signature:

Shan Gupta

Name of P.O.: Shan Gupta

परियोजना अधिकारी
Seal: क्लिष्ट कर्मा विकास संस्थान (उ.प्र.)
कानपुर नगर

Taken Over By User

Signature:

S.K. Sharma

Name: Dr. S.K. Sharma

Seal:

WARDEN
West Campus Hostel - I
H. B. Technological Institute
Kanpur - 208 002



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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. 13.2.2004.		Bill No. Nil and पुत्रांक 13/1/31 दिनांक 17.6.04.	M/S परिमोजना इंजीनियरिंग मैकेनिकल अर्जा विकास संस्थान (उ.प्र. (नैज), विकास भवन, पुराना बजार, जी.पी. रोड, रावलपुर, काणपुर)						
कंप कास्टा संवर्धन सं. 1-90/1000/एच/2004 दिनांक 15.06.2004.									
<p>(A) SUPPLY & INSTALLATION OF DOMESTIC SOLAR Onset Water Heating System of Capacity 1000LTD At temperature 60° with Cold & Hot Water Tank and Electrical Backup.</p> <p>Details as under</p> <p>ASSETS specification & Cost Details For 1000 Liters.</p>									
1. Solar Collector		ISI		Qty. 10 Nos.	✓				
2. Instruments (if any) I. Temperature Indicator		3" (0-120°C) To 150°C		QTY No.	✓				
3. Cold water tank		PVC Sintex 1000 ltrs.		QTY No.	✓		1,29,500=00		
4. Hot water tank		S.S Tank 1000 ltrs.		QTY No.	✓		(see 1 to 6)		
5. Electrical Backup		3 x 8 kW		QTY Set	✓				
6. Gate Valve		ISI 1"		QTY Nos.	✓				
7. Cold water pipeline Up to System		ISI "B" Class 1"		22.90 mtrs.	✓	1100=00	25190=00		
8. Hot water Distribution pipe (From storage tank)		ISI "B" Class 1"		10.90 mtrs.	✓	250=00	2725=00		
9. Hot water piping		ISI "B" Class 1/2"		06.90 mtrs.	✓	1800=00	1242=00		
Gr. Total Rs.								1,35,986=00	
Less Subsidy Rs. 4000=00 (100 LED i.e. 1%)								40,000=00	
Net Amount Rs.								95,986=00	



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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 enclosed
Certified that Director of Hostel No. 3 WE
in No. 39/2707
Date 27/03/2009
Ravi K. S. Singh
Director

हरीश चंद्र शर्मा
अधीक्षक



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100 YEARS
1921 - 2021

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

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Certified that a Solar Water Heating System of Capacity 1.0 D.D.O. 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

(Authorized Signatory)
Authorized Signature

Name: Ratnesh Kumar Singh

Seal:

Taken Over by NEDA

Signature:

Name of P.O.: Shashi Gupta

परियोजना अधिकारी
Seal: कृषि विकास संस्थान (उ०प्र०)
कानपुर शहर

Taken Over By User

Signature:

Name: (P. K. Kamari)

Seal:



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

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

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100 YEARS
1921 - 2021

HARCOURT BUTLER TECHNO 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 at the time of fresh receipt
1	2	3	4	5	6	7	8
material directly received By WCH-Inst Hostel Warden on dt. 13.02.2004		Bill No. NIL dt. 27.03.2004 and पत्र सं. 131/नेजा/ सी.ए.ए.डी. दिनांक 17.06.04	M/S परिषदाणा अधिकाारी, वैकल्पिक अजी. विकास संस्था, उ.प्र. (अस) विकास राजन प्रकार तल, अहमदनगर, रावतपुर, कानपुर				
ग्रुप कार्य :- संवर्ग सं 90/SP/2004 दिनांक 15.6.2004.							
<p>(A) Supply & Installation of Domestic Solar Onset Water-heating System of Capacity 1000LPD Details As under At temperature 60° with Cold & Hot water tank 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	10 Nos				
2.	Instruments (if any) I. Temperature Indicator	3" (0-120°C) To 150°C	01 No. /				
3.	Cold water tank	PVC Sintox 1000 litres.	01 No.			129,500-00	
4.	Hot water tank	S.S. Tank 1000 litres.	01 No.			(St. 1 to 6)	
5.	Electrical Backup	3x3KW	01 set /				
6.	Gate Valve	ISI 1"	05 Nos. /				
7.	Cold water pipe line upto System	ISI "B" class 1"	09.7 mtrs /	110-00		1,067-00	
8.	Hot water Distribution pipe (From storage tank)	ISI "B" class 1"	38.20 mtrs /	250-00		9,550-00	
9.	Hot water piping	ISI "B" class 1/2"	20.50 mtrs /	180-00		3,690-00	
Gr. Total Rs.						1,43,807-00	
Less Subsidy Rs. 4000-00 for 1000LPD in 2003-04						40,000-00	
Net Amt. Rs.						1,03,807-00	
							21.6.04



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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° 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	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/-	38.50 mtrs.	6,930.00
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)

O.K. Receipt is enclosed

Certified that Director's signature is correct
in the file No. SPS/Hostel/3/2007
31/5/07
Hostel No. 3 Lake View
AM

परिचालना अधिकारी
केन्द्र, कानपुर विश्वविद्यालय (उ.प्र.)



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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.

S.N.	Item	Specification & Size	Quantity
1.	Solar Collector	BIS	10 No.
2.	Instruments (If any)		
	I. Temperature indicator	0°C to 150°C	01 No.
	II.		
3.	Cold Water Tank	PVC 1000 Ltr	01 No.
4.	Hot Water Tank	SS. 1000 Ltr	01 No.
5.	Electrical Backup	3X3 kW	01 Set
6.	Gate valve	BIS 1" Dia	04 No.
7.	Cold water pipe line upto system.	BIS 'B' class 1"	39.60 Mtr
8.	Hot water distribution pipe line (from storage tank)	BIS 'B' class 1"	11.00 Mtr
9.	Any other Item.	BIS 'B' class 1/2"	38.50 Mtr
	I.		
	II.		
	III.		

Handed Over by:

For M/s Hitech Systems
For HITECH SYSTEMS

Rajni
Authorized Signatory
Authorized Signature

Name: Ratnesh Kumar Singh

Seal:



*Checked & Verified
my me.
Aske
12/04/04*

Taken Over by NEDA

Signature: *[Signature]*

Name of P.O. *[Signature]*

Seal: *[Signature]*

Taken Over By User

Signature: *Law*

Name: *Dr. Ram Nagesh*

Seal: *Wardens LV-111
HBTU, Kanpur*



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

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

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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 Warden on dt. 30.03.04	Bill No. Nil and पत्रांक (31) सि.सि.मा.सं. दिनांक 17.06.2004	Bill No. Nil and पत्रांक (31) सि.सि.मा.सं. दिनांक 17.06.2004	गैसल - परमोजन अधिकांश, वैकल्पिक ऊर्जा विकास संस्थान, G.P.O. (मि.स), विकास नगर, कानपुर, Gt. रो.सि. रावतपुर, कानपुर					
वृत्त फाईला - संफाई सं 9/SPS/2004 दिनांक 15.06.2004								
<p>(A) Supply & Installation of Domestic Solar water Heating System of Capacity 1000LPD at temperature 60°C w/h cold & hot water tank and Electrical Backup.</p> <p>Assets Specification & Cost Details for 1000 litres</p>								
Sr. No.	Name of Items	specification & size	Qty.					
1	Solar Collector	BIS	10 Nos. ✓					
2	Instruments (if any)							
	Temperature Indicator	3" (0-120°C to 150°C)	01 No. -					
3	Cold water Tank	PVC Sintex 1000 litres.	01 No. -			1,29,500=00		
4	Hot water Tank	S.S. Tank 1000 litres.	01 No. -			(81,106)		
5	Electrical Backup	3x3KW	01 set -					
6	Gate Valve	BIS 1"	04 Nos. ✓					
7	Cold water pipe line upto system	BIS "B" class 1"	33.00 mtrs.	110=00		3,630=00		
8	Hot water distribution pipe (from storage tank)	BIS "B" class 1"	11.00 mtrs.	250=00		2,750=00		
9	Hot water piping	BIS "B" class 1/2"	38.50 mtrs.	180=00		6,930=00		
Gr. Total Rs.						1,42,810=00		
Less Subsidy Rs. 40,000 per 100 LPD i.e.						40,000=00		
NET AMOUNT - - Rs.						1,02,810=00		
Signature							21-6-04	



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

Bio Gas Plant

(7.1.2) Proof for establishment of Biogas plant :-

हरकोर्ट बटलर प्राविधिक विश्वविद्यालय
नवाबगंज, कानपुर - 208002, उ.प्र., भारत
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पत्रांक: /CN/अनुरक्षण /2022 दिनांक

प्रेषक,
कुलसचिव

प्रेषित,
नगर आयुक्त
नगर निगम, कानपुर-208002

047
16/9/2022

विषय: स्वच्छ भारत मिशन योजनान्तर्गत विश्वविद्यालय के दोनो प्रांगणों 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 डीसेन्ट्रलाइज 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 नशीन 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।

NSA
1374

Rechnos

(श्री नीरज कुमार सिंह)
कुलसचिव



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

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

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

100 YEARS
1921 - 2021

कार्यालय नगर स्वास्थ्य अधिकारी
नगर निगम कानपुर

पत्र संख्या: 333/D/SWA/NSA

दिनांक 23/05/2022

✓ कुलसचिव,
हरकोर्ट बटलर प्राविधिक विश्वविद्यालय,
नवाबगंज कानपुर।

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

महोदय,

कृपया कार्यालय पत्र संख्या-100/3/4 दिनांक 08.03.2022 के क्रम में आपने कार्यालय पत्र संख्या-1687/अनुरक्षण/2022 दिनांक 11.04.2022 का अवलोकन करने का कष्ट करें जिसके द्वारा आपने स्वच्छ भारत मिशन के योजनान्तर्गत विश्वविद्यालय के कैम्पस में भी ड्रैस-ड्रिनाइज कम्पोस्टिंग के माध्यम से कचरा प्रबन्धन वैज्ञानिक तरीके से किये जाने हेतु विश्वविद्यालय न दोनों प्रांगण में जीरा लैण्डफिल कैम्पस बनाये जाने की सहमति प्रदान की है।

अतः कृपया कैम्पस में संयंत्र लगाये जाने हेतु संलग्न मानक के अनुसार स्ट्रक्चर, बिजली व्यवस्था एवं शेड का निर्माण कराने का कष्ट करें। ताकि निर्माणोपरान्त संयंत्र को स्थापित कराया जा सकें।

✓
नगर स्वास्थ्य अधिकारी

प्रतिलिपि:-

- 1- नगर आयुक्त महोदय को सादर अवलोकनार्थ।
- 2- मेसर्स स्वाहा रिसोर्स मैनेजमेन्ट प्रा0लि0, इन्दौर को सूचनार्थ।

5/26-5

Chairman
Maintenance

23.05.2022

LWS

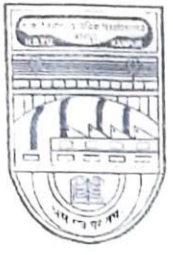
28/05/22

नगर स्वास्थ्य अधिकारी

REGISTRAR

28/05/22

125/सा090
13/4/22



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय
नवाबगंज, कानपुर - 208002, उ.प्र., भारत
HARCOURT BUTLER TECHNICAL UNIVERSITY
NAWABGANJ, KANPUR - 208002, U.P., INDIA
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100 YEARS
1921 - 2021

Phone : +91 0512 2534001 3. 2533812 website : <http://www.hbtu.ac.in>, Email : vc@hbtu.ac.in

(Spec. Post)

पत्रांक: 1687/अनुसूचना /2022

दिनांक: 13-04-2022

प्रेषक,

कुलसचिव

247
18/4/22

प्रेषित,

नगर आयुक्त
नगर निगम, कानपुर-208002

विषय: स्वच्छत भारत मिशन योजनान्तर्गत विश्वविद्यालय के दोनो प्रांगणों 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 डीसेन्ट्रलाइज 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।

NSA
13/4/22

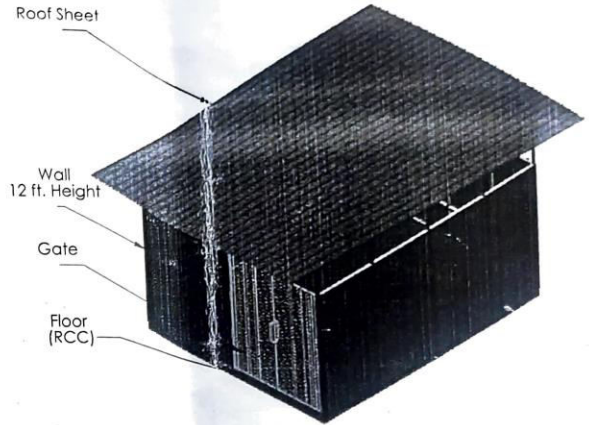
Rehmas

(प्रो नीरज कुमार सिंह)
कुलसचिव

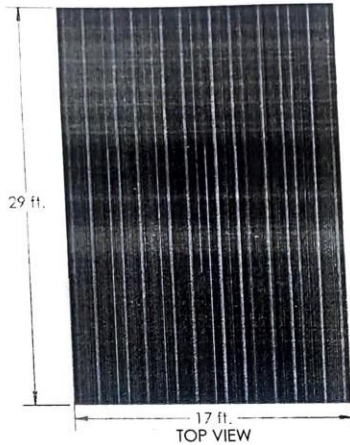
DRAFT INSTALLATION LAYOUT DECENTRALISED ORGANIC WASTE MANAGEMENT FACILITY

**SANATAN SUSTAINABLE SOLUTIONS PRIVATE LIMITED
RELEASED**

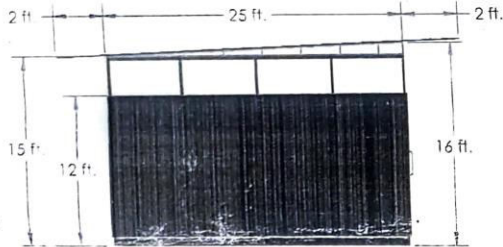
RELEASED TO :- Kanpur Nagar Nigam
 PURPOSE :- Layout; Installation, Shed & Electrical Connection; SDC250; 375sq.ft.
 RELEASED BY :- S C DATE:- 15/03/2022



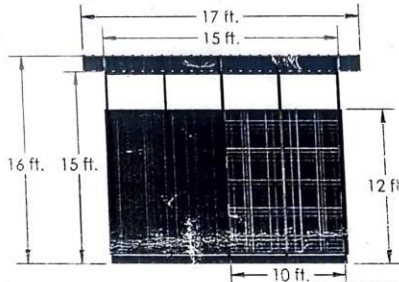
ISOMETRIC VIEW



TOP VIEW



LEFT SIDE 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

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



Sanatan Sustainable Solutions Private Limited

DRAWN SC	DATE 15.03.2022	PART DESCRIPTION
CHECKED RA	DATE 15.03.2022	Draft Layout for Shed: SDC250: 375 sq. ft. (25X15 ft.)
APPROVED JS	DATE 15.03.2022	PART NO.
DIMENSIONS: IN MM		DWG NO. 101-150322-001-A
SCALE: 1:40		REVISION A
SHEET 2 OF 3		SIZE A3

8 7 6 5 4 3 2 1

DRAFT INSTALLATION LAYOUT DECENTRALISED SOLID WASTE MANAGEMENT FACILITY

- Input Mains Electrical Connection to be provided by client:

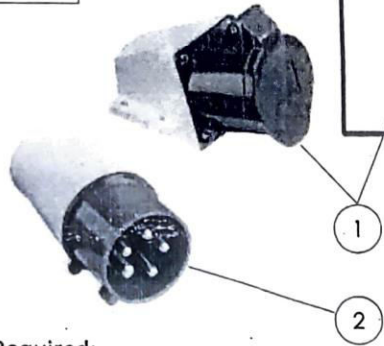
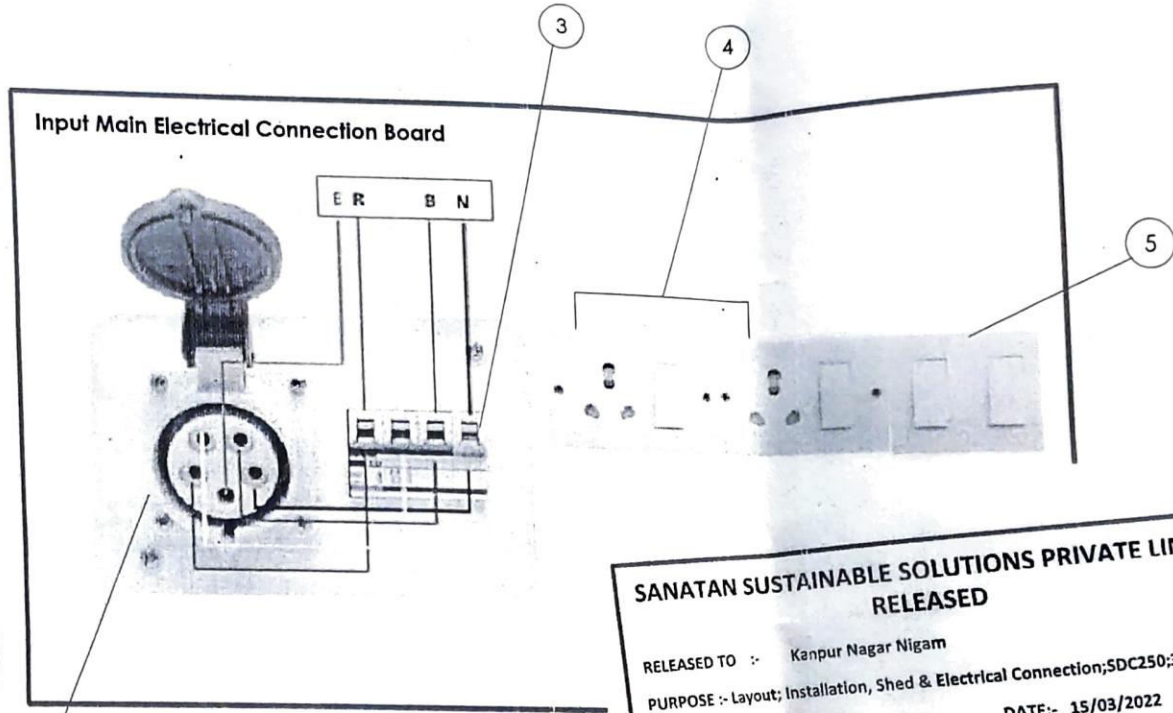
Item Descriptions

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




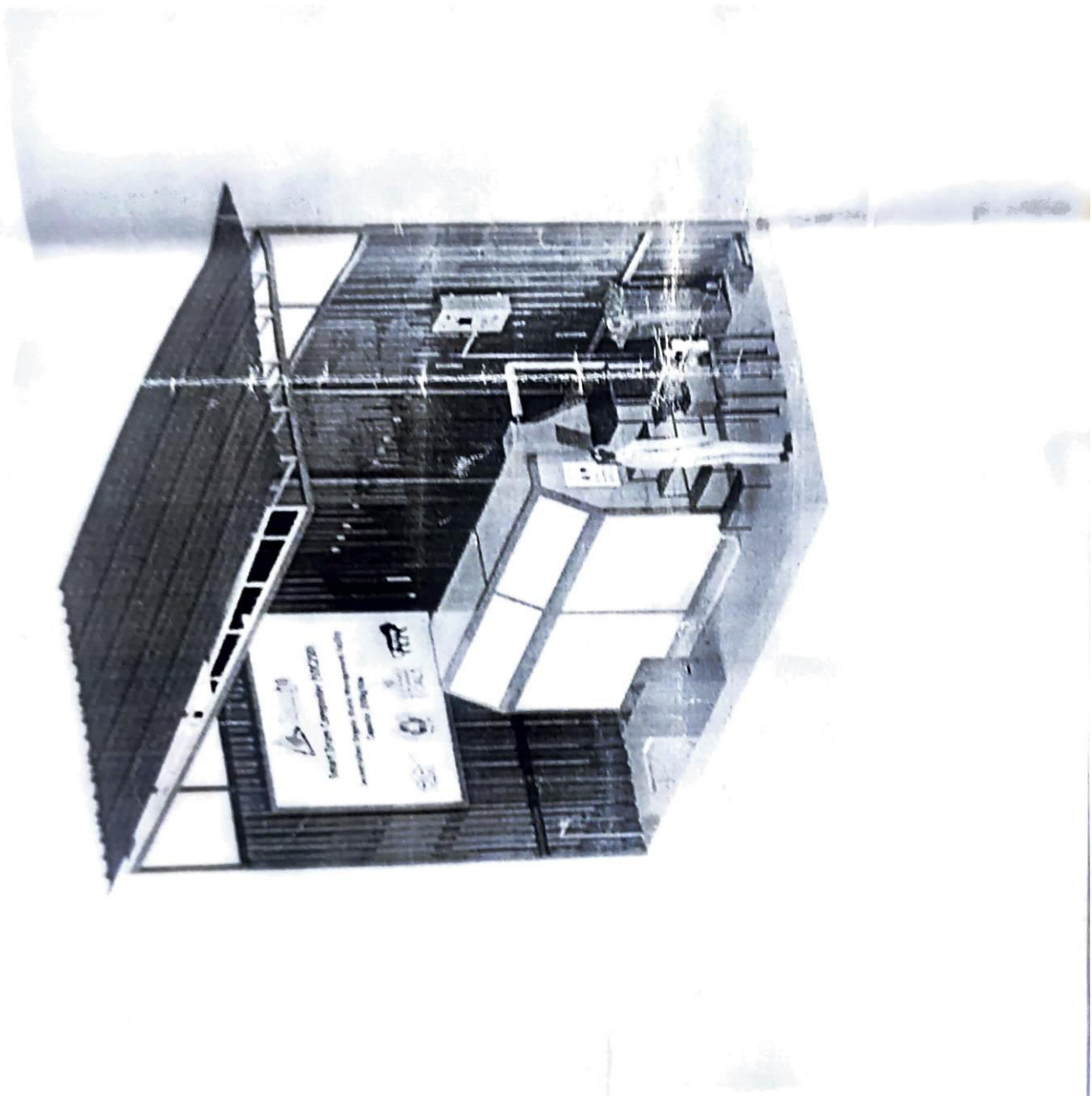
**SANATAN SUSTAINABLE SOLUTIONS PRIVATE LIMITED
RELEASED**

RELEASED TO :- Kanpur Nagar Nigam
 PURPOSE :- Layout; Installation, Shed & Electrical Connection; SDC250; 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>ESTABLISHED IN 2011</small>		Sanatan Sustainable Solutions Private Limited	
DRAWN S C	DATE 15.03.2022	PART DESCRIPTION Electrical Connection; Input Mains; SDC250 (25X15 ft.)	
CHECKED R A	DATE 15.03.2022		
APPROVED J S	DATE 15.03.2022	PART NO.	
 DIMENSIONS: IN MM		DWG NO. 101-150322-001-A	
		SCALE: 1:1	REVISION A





हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

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100 YEARS
1921 - 2021

पत्रांक: 1687/अनुरक्षण /2022

दिनांक: 11-04-2022

प्रेषक,

कुलसचिव

प्रेषित,

नगर आयुक्त

नगर निगम, कानपुर-208002

विषय: स्वच्छ भारत मिशन योजनान्तर्गत विश्वविद्यालय के दोनो प्रांगणों 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।

(प्रो नीरज कुमार सिंह)

कुलसचिव

11/04/2022

11/04/22