

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

### Biomedical Waste Management Sanitary Napkin Disposal Machine Incinerator Bills

1	GH-I	Z	HARCO		BUII		CHM
Ye	ar-> 2021		Name of	Article	machine	Napking I with Cse	STO Incinal (1) 3 mor
		REC	EIPT PARTICULA	RS	CB/H/W	Carmy	Quantition after
Date of Receipt	Challan No. & Date	Bill No. & Date	From whom received	Quantity Received	Rate Rs. P.	Value Rs. P.	Stock at time of fi
1	2	3	4	5	6	7	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
16.04.2021	Tax Inve		M/S Maa Lakshnic 128/3/59E, Ya.			diets	
	- x -		Kanfur Nagar,	U.P22	08011.		1
P.O. (i) Great Ada St. No.	em Contra 5116877.93 1.63.2021 Article frac	et No: ; 2745604 28508000	D Sanitary Napkins Incinetator Machine With (SCU) Smoke Control Unit Model: SCORE free 73 Brand: Elevate info syste	3/	V 18,516=10	74,064=41	
	Tax Invoic	19 zm Each wo recolved in the	a contraldore A	ld. : CG.s ld. : SG.s	@9% (B)	74,064=4 34. 6,665=8 34. 6,665=8 87,396=00	o a



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### **Biomedical Waste Management**

Sanitary Napkin Disposal Machine Incinerator Bills

OOK				Rate_			-
Position Receipt	AND AFT	ER ISSUE		ISSUE D	ETAILS		
OTAL quantity (5+8)	Quantity Issued	Quantity in balance	'Fo whom issued	Reference to requisition Slip	Date of Issue	Signature of Store keeper	Remarks
9	10	11	12	13	14	15	16
	1						
	i:						1
	-	04 unit		0 -	e u Tini	lana da Verte	m lagen
	ollunt	83 4mit	Transferred to TS4	-> C'S.B.Of	GH-I (BU	agranaynose	120:
	os umit	02 Unit	Transferred to T&	pc.s.B.6	GH-III (	nametri Hoste	Donbage No
	A .						
	DIUNIF	OIUM	Marden GH-IV (Bhagirathi Hostel)	5 // /4	13.00.20	(Dr.A	nitayaday
	os unit		Transferred to Tel-				
	+	Mein					
		believe	/				
h 2							
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# हरकोर्ट बटलर प्राविधिक विश्वविद्यालय नवाबगंज, कानपुर - 208002, उ.प्र., भारत



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Biomedical	<b>Waste</b> I	Management: S	lanitary N	<b>Japkin</b>	Disposal	<b>Machine</b>	Incinerator	Bills
	2.0							

TINA		- 06.20		020/0320	Original Copy
GS	TAX INVOICE EMICALS 19E, Yashoda Na TN:09AIAPM59	& allie gar, Kanpur 66D1Z7	Goo	Tax Involce as ducts in the forty of	the contral 8
voice No. : 1 te of Invoice : 15-04-2021		of Supply se Charge	: Uttar P : N	radesh (09)	
Wed to: ofessor HBTU Kanpur ying Officer: Finance Controller HBTU wabganj Kanpur TIN / UIN : 09AAALH0730N1Z2	HODI Payin Nawa GEM	ped to: =T/Professor g Officer: Fin ubganj Kanpu C-511687793	r 745604 Dt		
Description of Goods	HSN/SAC		Unit	Price	Amount(₹)
Sanitary Napkins Incinetator With SCU Sanitary Napkins Incinetator Machine With Smoke Control Unit Care Free 7391 ELEVATE INFO SYSTEMS	Code  8417  Centilicate that V.C.3  In The File No. D.S.	Section Lited	Units  OZ 202  EXISTS	18,516.10	74,064.40
	Dans he according to	approved Quyanti	farma) ge Purchas		
	Add : CGST Add : SGST	Poliv	22L/ / 0	9.00 %	<b>74,064.4</b> 6,665.8 6,665.8
				Grand Total ₹	87,396.0
x Rate Taxable Amt. CGST SGST Total Tax 74,064.40 6,665.80 6,665.80 13,331.60  upees Eighty Seven Thousand Three Hundre ank Details: Bank Of Baroda, Branch: Govind Ifsc: BARBOGOVIND A/c.No. 316	Nagar, Kanpur	Only			
Ifsc: BARBUGOVIND A/C.NO. 310	Receiver's Si	gnature ;			
& O.E  Goods once sold will not be taken back.  Interest @ 18% p.a. will be charged if the payment not made with in the stipulated time.  All disputes subject to 'KANPUR' Jurisdiction only.	in C S.B Pa	1.	73.0	i Chemicals & a	allied Products



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### E-Waste Management



(Auctioned through authorized vendors)

### HARCOURT BUTLER TECHNICAL UNIVERSITY KANPUR - 208002

Against Disposal Tender Notice - 10/2018

Lot No. 03

Department- C.S.E. Deptt.

ROYALLE 911 HERTA			h
HI HOUG	moin Ra	purma	Canplot

Qty
1 No.
ith
h Fabric 1 No.
1140.
2 Nos.
Supply,
i-GBIC) 12 Nos.
nk
pase SX
03 Nos
35
,
RJ45)
060921
2 Nos.
ate
36 Nos.
00 1103.
36 Nos.



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SC-LC 3M,MMOM3,duplex fiber Patch Cord	3 Nos.
(Second end being Complatible with fiber module	
On Switch being Offered), DFPCD3SCLCO3/, Make-D-Link	
SC-LC 3M,MMOM3,duplex fiber Patch Cord	14 Nos.
(Second end being Complatible with fiber module	
On Switch being Offered), DFPCD3SCLCO3/, Make-D-Link	
Patch cord(OFC)	
UTP cord624 port patch panel (Jack panel)	
Patch Cord 9' (3 Meter), DC6PCURJ03GY/,Make-D-Link	5 Nos.
Patch Cord 3' (1M),DC6PCURJ01GY/D-Link	42 Nos.
Tatori Gold Citting Control of the Citting City	
Patch Cord 7' (2 Meter), DC6PCURJ02GY/D-Link	37 Nos.
Tatori Gord 7 (2 Mictor), Door Gortos20170 Emit	
Rack	
42U 800X800 MM	1 No.
Network with accessories make –val rack	1110.
Network with accessories make -vai rack	
MARCON AND AND COLOR ATTENDANCE OF CAAAD Link	2 Nos.
KVM Switches 1:4 with Cable, ATEN , Make-CS-914/D-Link	2 1105.
LIDO	2 Nos.
UPS	2 1405.
2 KVA On Line UPS With 2 hours backup time for	
Core switches & Servers (with 15 Nos. Of battery for each	
& one battery Rack for each,make-Uniline	
SI.No.(I) DLJ6055AA (II) DLJ6056AA	
	4.11
Access switch, Layer 3: Ports+2 Nos.	1 No.
GBIC Ports, DES-3350SR/48 Ports10/100Mbps with	
2 combo 1000 base-T/mini-GBIC Ports L3, Managed stackable, Switch, 3 Year	
warranty Included, Make-D-Link	
SI.NoDR6D16A000010	
Unmanaged switch, Layer 2:24 Ports 10/100 Unmanaged	2 Nos.
Rack mount switch, DES1024R+24 Port 10/100 Mbps	
unmanaged Rack mount switch, Make-D-Link	
SI.NoDREL369000051,DREL369000046	
3 Year warranty Included	
Outdoor wireless bridge DWL-2700AP on 802.11g	1 PAIR(02 No
suppoting security Protocols	
SI.NoP44W169000127	
SI.NoP44VV169000127	



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	For proxy.mail,backup& director server(20/40 GB Internet base) CPU	5 Nos
	Monitor colour	5 Nos
	Key Board	5 Nos
	Mouse	5 Nos
	Make HP	0 1100
	CPU- INI6120C8T, INI61104D3,	
	SGH624X080,INI61104D9,INI6120C86	
	MONITOR-CNC6021BEG,CNC55109XV,CNC6260KKR,CNC6260193,	
	CNC55209M3	
		0.11
	USB-Wireless 11g Cords, DWL-GI22/D, MakeLink,	2 Nos.
	SI.No(I) DR5A268005578 (II) DR5A268005572	
<i>E</i>	(4) 50 10 311 11 61 5 5 5 5	2.44
5	(A) SC-LC 3M,MMOM3,duplex fiber Patch Cord	4 Nos.
	(Second end being Complatible with fiber module	
	On Switch being Offered), DFPCD3SCLCO3/, Make-D-Link	
	(D) Mail agree and it is the state of the st	
	(B) Mail server application related terminal id proxy control across two	1 Set.
	location from four gateways two gateways on in each computer for	
	student v lan two gateways one in each campus for setting v lan (11	
	no cd)	
6	Transceiver (DEM-311 GT)1000 Base SX Mini GBIC,	2 Nos.
	Make-D-Link,SI.NoE60B16A000181,E60B16A000191	
	LX Transceiver, (DEM-310GT), 1000 Base (Mini GBIC)	1 No.
	Make-D-Link,SI.NoH60916A000168	
	Access switch,Layer 3: Ports+2 Nos.	1 No.
	GBIC Ports, DES-3350SR/48 Ports10/100Mbps with	
Ì	2 combo 1000 base-T/mini-GBIC Ports L3,Managed stackable,Switch,	
	Included, Make-D-Link	
-	SI.NoDR6D16A000010	
7	Cisco Modular router 2XEE,2WAN SLOTS,32F1/128DR with 1 port serial	1 No.
	wan Interface card V.35 cable DTE make 10 feet model Cisco	
	1841+WCIT+cab V35 MT	
$\overline{}$	I/O with SMB Node Points ,Make-D-Link	7 Nos
	Cot 6 24 Port Detablish Person 1994 4 11 DOODDO 41 1044 1	0.1/
	Cat 6,24 Port Patch/Jack Panel with 1 U,DC6PP24UKY1U	8 Nos.
9	L.G. 1.0 Ton,A.C.,Model-LWA12CIAMI,	1 No.
	SI.No8031PKW000717	
10	Access switch, Layer 2,48-Port 10/100 Mbps	1 No.
	+2 Nos.GBIC Pack with	, 140.
	2 combo 1000 -T/mini-GBIC Ports L2 managed	
	2 combo 1000 - 1/11lini-GBIC Ports L2 managed	

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11 1 KVA Off line UPS System with 30 min.backup item for	7 No
access switch, Make-Uniline	
SI.No2K6J625,2K6J633,2K6J636,2K6J622,2K6J656,	
2K6J615,2K7H1591	
12 VOLTAS WINDOWS AC @ D G S & D RATE	1 No
NOTIFICATION NO. WAC/AE-3/RC-11040000/	1 100
0909/03/01589/1467 DT 8./4/09	
S.NO. 4010070 PO9K000/98	
13 VOLTAS SPLET A C 1.5 TON VESTIS PLUS	1 No
3 STAR RATING WITH STBZ. I.D.S. NO 455115	1 140
4P10F005979	
ODS NO. 4511171P10F010626	
14 SC-LC MM Fiber Patch Cord	2 1/2
(DFPCD4LCSC-03) Dlink	2 Nos
Screw driver set -1	1 No.
Philips screw driver set(Tepco)-1	1 No.
Hammer-2	2 Nos
Hacksaw frame(without blade)-1	1 No.
Try Squarre-1	1 No.
Vernier caliper-1	1 No.
Centre punch-1	1 No.
Measuring tape-1	1 No.
Scissors(small)-2	2 Nos.
Electronic plier set-3	3 Nos.
Socket-wrench set-1	1 No.
Socket wrench set-1	1 No.
Rubbar mallat-2	2 Nos.
Tweejers-2	2 Nos.
Tool box-2	2 Nos.
Steel rule-2	2 Nos.
Instrument markers screw driver set-2	2 Nos.
Offset screw driver set-2	2 Nos.
Screw cutting set-1	1 No.
Micrometer-1	1 No.
Allen key set-1	1 No.
Adjustable spanner-1	1 No.
Adjustable bench vice-4	4 Nos.
Bech vice-1	1 No.
Circlip plier-1	1 No.

24MIN Royal International
Proprietor

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Per 1 4 129 4 4	1 No.
Twist drill set-1	1 No.
Hand drill set-1	2 Nos.
Needle file set-2	1 No.
File brush-1	1 No.
Screw Extractor set-1	1 No.
Open ended spanner set metric-1	4 Nos.
Screw holder-4	
16 Set of assembly tools accessory for electronic Indian origin	1 Set.
Set of assembly tools for electronics jobs	
1,allen	1 Set.
2Mechanics knife set	1 Set.
3.wrapping wire	101
4.filler guage no.230	1 Set.
Service engineering tool	
17 Plato sheer	3 Set.
Wire stripper & cutter  Long nose plier with fine teeth	
Long nose pilae without teeth	
Tweegersmooth,pointed items	
Screw driver set	
Magnifying glass	
Knife	
Bench brush	
One set tool kit	
18 Usha water Cooler ,Model.No2040,	1 No.
SI.NoD2023F60044	
Durifier Model Lilter	1 No.
19 (I) Usha Brita water Purifior, Model-Ultra	1 No.
(II) Steel Sink	1 No.
(III)Instalation of water cooler intel pipe fitting with Ass.	1 No.
(IV)Instalation of water purifior& Steel sink in let pipe & drain  Connection fitting	
	F0.11
20 Armless Computer Chairs with good Quality Plastic based with	50 Nos
5 legs on wheels with manual revolving mechanism,	
Size of seat- 16"x16"x2" and back 15"x12"x2" to be made of P.U.	
Cushion of high density the back to be attached with a flexible	
mechanism with Plastic cover.the seat hight can be adjustable	
upto minimum 5" good quality clother to be used on seat & back	
As per sample:	
AND A Phase O/P 40 KMAy2/22 KMM on line LIPS system	1 Set
21 3 Phase I/P-1 Phase O/P,40 KVAx2(32 KW) on line UPS system Parallel Redundant with separate battery bank 30 min,battery	
Parallel Redundant with separate pattery bank 30 thin, battery	
backup Period by SMF batteries (60 Nos.)	100

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1	12V-40AH SMF batteries, Make-"CSB",UPS, Make-Uniline 60 Nos.,12V,40AH SMF battery Replaced with 60 Nos.,12V,65 AH,	
1	SMF Battery. ( SI.No.As per CSB,V-II/ 64 )	
- 1		
22	Samsung CD Writer r/w s1/32/52/ 2444/2708	1+1+1
	Sr.no. 52X32x52 6RCX201910	
	520GAV181991	4.51-
23	DES -1008B- 8 port switch 10/100 mbps sr .no.0515B003201	1 No.
		2 Nos.
24	Server 1:9131 Model 52A	2 Nos.
	AIX Partition Specify	8 Nos.
_	2048MB (2x1024MB) DIMMs, 276-pin, 533 MHz DDR 146.8GB 15000 RPM Ultra 320 SCSI Disk Drive Ass	4 Nos.
		2 Nos.
	POWER GXT 135P Graphics Accelerator with Digital	2 Nos.
	IDE Slimline DVD-ROM Drive	2 Nos.
	2-{prt ISN [CO Adapter	2 Nos.
	Rack Indicator-Not Factory Integrrated	2 Nos.
	Software Preinstall	2 Nos.
	AC Power Supply, 850 W	2 Nos
	Power Cord (9-foot), To Wall/OEM PDU, (250V, 16A)	2 Nos
	Ultra 320 SCSI 4-Pack	2 Nos
	IBM Rack Mount Drawer Rail Kit	2 Nos
	IBM Rack Mount Drawer Bezel and Hardware	4 Nos
	One Processor Entitlement for Processor Feature#	2 Nos
	8314	2 Nos
	Media Backplane Card	4 Nos
	4-way 1.65 GHz, POWER5+Processor Card, 2x36MB	2 Nos
	Zero-Ped Express Product Offering Processor Entitlet	2 Nos
	Quiet Touch Keyboard-USB, Business Black, US Eng	2 Nos
	Mouse-Bussiness Black with Keyboard Attachment C	2 Nos
	Language Group Specify-US English	2 Nos
	IBM XL C/C ++ Ent Edition Reg/Ren:1yr	2 Nos
	Per User SW MAINT NC Charge 1YReg	2 Nos
	System Software	2 Nos
	Media 5765-G03 AIX 5L V5.3	2 Nos
	Expansion pack	2 Nos
	AIX 5L V5.3 Update CD *	
	Microcode Upd Files and Disc Tool CD	2 Nos
	Preinstall 64-Bit Kernel	
	English Language	2 Nos
	CD-ROM	2 Nos
	Preinstall	2 Nos
	English U/L SBCS Secondary Language	2 Nos
	CD-ROM Process Charge	2 Nos
	IBM XL C/C ++ Enterprise Edition V8.0	2 Nos
	Per User with 1 Year SW Maintenance	2 Nos

243111 Proprietor Proprietor 10/07/19

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3.	Oracle 10G Standard Edition 1 For 40 Users License	1 No.				
	Sr. No. are as per CSB page no.186 W/B-II	40 Nos				
2	CPU: INTEL Pentium-IV @3.2 GHz HT with 800 MHz	175 Nos				
	INTEL 915G Chipset with 1MB L@ Cache (Original)					
	512 MB DDR-2 Dual Channel RAM 400 MHz upgrad					
	Integrated (On Board) Intel Media Accelerator 900					
	1.44 MB FDD					
	80 GB SATA SMART III 7200 RPM with Pre Failure					
	OEM DVD Combo Drive					
	Integrated (On Board) 10/100/1000 MBPS Controller,.					
	Integrated (On Board) Audio controller with internal Speaker	3				
-	HCL 15" TFT LCD Colour Monitor					
	HCL Optical Mouse					
	HCL PS/2 Keyboard with 104 Keys					
	2*PCI, 1*PCI Express, PCI Express 16x					
	1 Serial, 1 Parallel, 8 USB (Ver 2.0) with at least 2 Ports in front, VGA and 2 PS/Ports					
	Linux Preloaded, Minimum RHEL3 with certification					
	Intel specified prescott chassis with side ducts and 300 watt power supply					
	Security feature: BIOS level/Administrator Pawwword/ Cabinet Lock facility					
	for mouse and keyboard (Kensington slot on chassis)					
	BIOS with support for ACPI, DMI 2.0, Flash BIOS, Plug and Play, Intel Hyper Threading					
	Recovery Tool: Preloaded software tool that has provision for scheduled					
	backup for restoring OS and Data					
	1 Year comprehensive warranty					
	Make: HCL					
	WLAN NIC 802.11g wireless PCI adapter.	60 Nos.				
	Make, D-Link	00 1405.				
	Model No. DWL-G510					
	Digital Imaging System with High Resolution Digital vision color camera, PCI frame grabber to interface with camera and single cable for power control and video, stardard lends with tripod stand(Model EPIX SV1281C) software for capture, store and image processing & analysis for windows 2000/XP (Model EPIXSCAP-STD software) ID: VIWR/LMOU/GFIHS/MPIxCID2X10381	1 No.				
	HP Compaq Laptop Mobile Intel Core 2 Duo T5600(1.83 Ghz) 512MB/80GB/15"TFT/DVD-RW/X{Model HP Compaq (Nx6320) as per Dess notification No. LAPTOP/IT-1/RC-71020000/81/307/81DAO/69/6987 dt 22/05/2006 (CNU 735 22 HQ) with carry bag for laptop.	1 No.				
	HCL Infinite globle Server :	1 Set.				
	Intel Xeon @ 2.8 GHz Processor Capable of Dual					
	Processing (supplied with single processor					

HAIN FOR ROYAL INTERNATIONAL PROPRIETO 1907/19

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standard) with 512KB L2 cache memory, Intel E	
75010 EM mother board	
FSB 533 MHz, IPCI 32 bit and 4 PCI 64 bit 512MB	
266 MHz DDR SD RAM upgradable upto 12GB on	
DIMM, 2x36 GB SCSI HDD controllar ultra 320	
SCSI Dual channel 1.44 MHz Floppy	
Disk Drive internal / 101 keys keyboard/ digital	
auto tape drive 12/24 GB DAT with backup and	
disaster recovery/ 15" SVGA Digital colour monitor	
(supports 1024x786 NI Resolution) on board 8 GB	
Dynamic vedio memory/ scroll mouse with mouse	
pad/ 4 bags (2 External 2 Internal 2 USB ports	
1 serial ports	
Tower /DMI 2.0 compliance / 52xCD ROM better	,
/ intigrated 10/100/1000 Network cord wake on lan	
/dual gigabitelan/ Screen blinking, Hard disk and	
system idle mode in power on password, setup	
password, power supply usage protected, auto-	
matic server hand reboot/ Energy star compliance	
Norton Antivirous (latest version)	
1 b) Intel Xeon 2.8GHz Processor 533 MHz FSB	1 No.
1 c) 1GB DDR SD RAM, 266 MHz in lieu of item 19	(iv) 1 No.
1 d) Combo i.e. 16x10x40 CD R/W and 12xDVD	1 No.
togather in lieu of item 1a(XIII)	
29 2.) Intel Pentium IV(4) @ 3.0 GHz with 512 KB L2	12 Nos
cache memory with Hyper threading technology	
and 800 MHz	
System Bus/Intel 865 GOEM mother board	
Integrated graphics 3PCI 81A GP, 128 MB 400	
MHz Dual DDR RAM upgradable upto 4.0GB on	
DMM/ 4.0 GB Ultra DMA 1.0 HDD PCI Dual	
Channel Bus master/ 1.44 MHz Floppy Disk Drive	106
internal/ 15" SVGA Digital colour monitor (support	
1024x768 N! resolution)/ 4 USB port, 1 serial, 1	
parallel port, 104 keys keyboard multimedia	
Scroll mouse with mouse pad/ 4 bags (2 external	
& 2 internal)/ DMI 2.0 compliance and support/	
52xCD ROM /10/100/1000 Network cord with	
remote booting facility, Remote system manag-	
ment, remote shutdown and backup/ window XP	
Professional preloaded with media & document-	
ion and certificate of authenticity/ Energy star	
compliance, screen blanking hard disk and	
system idle mode in power on, setup password,	
power supply surge protected, Antivirus	

24 For Royal International
Proprietor
18/07/19

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resolution in lieu of 15" monitor	
2c) Combo i.e. 16x10x40 CD R/W and 12XDVD	12 Nos
together in lieu of item 20(XIII)	12.1100
2d) 256 MB DDR RAM 400 MHz in lieu of item	12 Nos
20(III)	12 1103
2e) Linux Preloaded with media documentation	12 Nos
in lieu of window XP Professional	12 1103
30 3 a) 24 port 10/100 Mbps switch Sl.no.97247517	1 No.
3 b) Cat 6 cable (305 mtr. Box)	1 No.
3 c) Laser jet printer 600 dpi x 600 dpi, Model HP	1 No.
1160, SI.No.CNCIB09360	
31 Ex.Revolving Chair	1 No.

3. Price offered for the lot Rs. 316100 + Tax 56098 = 372998 = total (Rs. In words Thousand loc Seventy two thousand him hundred him

4. We have gone through Tender documents & taken note of all terms & conditions mentioned therein and abide ourselves with the same.

For Royal International

Signature

Seal of the Tenderer

For Royal In Shallar Frontiers 18/07/19



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



### HARCOURT BUTLER TECHNICAL UNIVERSITY

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

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F10

6

निष्प्रयोज्य उपकरणों / सामानों के निस्तारण की कार्यवाही सम्पन्न करायी जानी शेष है। जिनकी बुक वैल्यू तथा फ्लोर वैल्यू का विवरण निम्नवत् है:--

		बुक वैल्यू (रू० में)	फ्लोर वैल्यू (रू० में)
कमांक	विभाग / अनुभाग का नाम	11,77,794.00	71,800.00
1	प्लास्टिक टेक0 विभाग, लिस्ट- II	11,77,70	11,900.00
	(ਜਾਟ ਜਂo 12— <b>II</b> )	1,17,723.27	11,500.00
2	परीक्षा नियंत्रक कार्यालय (लाट सं0 14)	14,37,692.75	46,215.00
3	वेक्ट केम्प्स हास्टल-[	14,37,092.70	1,00,863.00
3	(वर्तमान नाम- अब्दुल कलाम छात्रावास )	6,45,515.26	1,00,000
4	वेस्ट कैम्पस हास्टल-11	70.725.28	2,30,778.00
	(वर्तमान नाम विश्वेसरैया छात्रावास )	33,78,725.28	
	कुल योग		

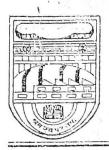
कृपया उपरोक्तानुसार आपके सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

(डा० एस०के० शर्मा) प्रभारी अधिकारी, केन्द्रीय भण्डार एवं कय एच०बी १टी०यू०, कानपुर।

प्रतिलिपिः— निग्नलिखित को सूचनार्थ प्रेषित।

2. विशेष कार्याधिकारी कुलपति कार्यालय को मा० कुलपति माहोदय के अयलोक (पर्ध।

(डा० एस०के० शर्मा) धिकारी, केन्नी प्रभारी अधिकारी, केन्द्रीय भण्डार एवं कथ एच०बी०टी०यू०, दगनपुर।



# Harcourt Butler Technical University

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-0512-2534001-5. Fax : +91-0512-2533812, Website : http://www.hbtu.ac.in E-mail : vc@hbtu.ac.in

संख्या ै: 154 / अदम / एनं गरी० री० / 2021

दिनांक : जून 29 ,2021

समस्त अधिष्ठाता / विभागाध्यक्ष / परीक्षा नियंत्रक / अनुभाग प्रभारी, एच०बी०टी०यू०, कानपुर।

विश्वविद्यालय में समस्त विभागों/अनुभागों में स्थित निष्प्रयोज्य उपकरणों / मशीनों का निस्तारण किया जाना प्रस्तावित है। उक्त के कम में आपसे अपेक्षा है कि अपने अनुभाग / विभाग के ऐसे निष्प्रयोज्य उपकरणों इत्यादि की सूची संलग्न प्रारूप पर तीन कार्य दिवसों में अनिवार्य रूप से कुलसचिव कार्यालय को प्रेषित करना सुनिश्चित करें।

प्रतिलिपि:

कुलपति महोदय के 1. विशेष कार्याधिकारी, कुलपति कार्यालय को मा० अवलोकनार्थ।

(कुलसचिव)



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



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### Policy Regarding Disposal of Hazardous Chemical

Regarding hazardous chemicals disposal by our university, we contacted to Bharat Oil & Waste Management Ltd., Akbarpur, Kanpur Dehat UP, to collect all chemical hazardous waste material periodically. The company shall arrange to collect waste from HBTU Kanpur and it will go into their unit for proper treatment and final disposal as per prescribed norms. This unit is recognized by Uttar Pradesh Pollution Control Board. The process of signing MoU between HBTU and Bharat Oil & Waste Management Kanpur is under progress.



(Alak Kumar Singh) Dean, School of Chemical Technology HBTU Kanpur

Dated July 20, 2022



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



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### **Liquid Waste Management**

Application Regarding Payment of Water Tax and Sewer Tax Bills up to Rupees 74,65,193.00 for 10% discount (Year 2022-23).

> liquid - Waste Management > कार्यालय अधिशासी अभियन्ता जोन-6 जलकल विभाग नगर निगम, कानपुर

पत्रांक:- जलकल / 16 / अ०अ०६ / २०२२ - २३

दिनांक- 15.6.22

कुलसचिव, हरकोर्ट बटलर प्राविद्यिक विश्वविद्यालय पता-1/303, 304,305,305ए0,305बी0,305सी0,डी0ई०एफ0जी0 कानपुर।

विषय:-वर्ष 2022-23 के जलकर व सीवरकर के बिल के भुगतान के सम्बन्ध में।

उपरोक्त विषय के सम्बन्ध में अवगत कराना है कि संलग्न बिल के अनुसार आपके विभाग से सम्बन्धित परिसर पर वर्ष-31-03-2023 तक रू0-74,65,193.00(चौहत्तर लाख पैसठ हजार एक सौ तिरान्बे मात्र) पत्र के साथ बिल सलग्न है। उक्त का भुगतान समयानुसार करने का कष्ट करे, ताकि 10 % सामयिक छूट का लाभ प्राप्त कर सके, साथ ही अवगत कराना है कि जलकल विभाग नगर निगम कानपुर का बैंक खाता विवरण निम्न है।

बैंक का नाम:- पंजाब नेशनल बैंक ब्रान्च का नाम:- कानपुर जल संस्थान खाता सं:- 2340010100001062 IFS CODE-PUNB0458700 ब्रान्च कोड- 458700 माईकरकोड- 208024050

अधिशासी अभियन्ता

प्रतिलिपि:-

- 1. सम्बंधित अवर अभियन्ता जोन-6 जलकल विभाग, नगर निगम, कानपुर।
- 2. बिलिगं प्राभारी जोन—6 जलकल विभाग, नगर निगम, कानपुर।

सम्बन्धित वसूलीकर्ता जोन–6 जलकल विभाग, नगर निगम, कानपुर।

AE, main

अधिशासी अभियन्ता जोन-6



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



### HARCOURT BUTLER TECHNICAL UNIVERSITY

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

### Application Regarding Payment of Water Tax and Sewer Tax Bills up to Rupees 74,65,193.00 for 10% discount (Year 2022-23).

### कार्यालय अधिशासी अभियन्ता जोन-6 जलकल विभाग नगर निगम, कानपुर

पत्रांक:- जलकल / 16 / अ०अ०६ / २०२२-२३

दिनांक- 15-6-22

सेवा में,

कुलसचिव, हरकोर्ट बटलर प्राविद्यिक विश्वविद्यालय पता-1/303, 304,305,305ए0,305बी0,305सी0,डी0ई0एफ0जी0 नवाब गंज कानपुर।

विषय:-वर्ष 2022-23 के जलकर व सीवरकर के बिल के भुगतान के सम्बन्ध में।

महोदय,

उपरोक्त विषय के सम्बन्ध में अवगत कराना है कि संलग्न बिल के अनुसार आपके विभाग से सम्बन्धित परिसर पर वर्ष-31-03-2023 तक रू0-74,65,193.00(चौहत्तर लाख पैसठ हजार एक सौ तिरान्बे मात्र) पत्र के साथ बिल संलग्न है। उक्त का भुगतान समयानुसार करने का कष्ट करे, ताकि 10 % सामयिक छूट का लाभ प्राप्त कर सके, साथ हैं। अवगत कराना है कि जलकल विभाग नगर निगम, कानपुर का बैंक खाता विवरण निम्न है।

बैंक का नाम:– पंजाब नेशनल बैंक ब्रान्च का नाम:– कानपुर जल संस्थान खाता सं:- 2340010100001062 IFS CODE- PUNB0458700 ब्रान्च कोड- 458700 माईकरकोड- 208024050

> अधिशासी अभियन्ता जोन-6

#### प्रतिलिपि:-

- 1. सम्बंधित अवर अभियन्ता जोन—6 जलकल विभाग, नगर निगम, कानपुर।
- 2. बिलिग प्राभारी जोन-6 जलकल विभाग, नगर निगम, कानपुर।

3. सम्बन्धित वसूलीकर्ता जोन-6 जलकल विभाग, नगर निगम, कानपुर।

AE, maint

अधिशासी अभियन्ता जोन-6

### Water Tax and Sewer Tax Payment Bill

	VIE ONWINE ZUDUUZ		Sewer Se	ats: 0			
लकल विभाग व्याप्त विमाम, वेनाझावर वे DIR OF H.B.T.I. KANPUR		जोन न० - वार्षिक मृल्या	कन मीटर साइज	4.5	বিল নিখি	16-07-2022 Form	Fo 711
1/303,304,305,305A,305B,305CDEF GANJ KANPUR	FG, NAWAB	6 444426 वार्ड म 45 खाला न०	<b>७२वू/अघरेल्</b> जिम् <b>णि</b> ✓ वि		ND6देय निधि PID No.	16-08-2022 <sub>graft</sub>	100450732267
ands व्यवस्था व्यवस्था व्यवस्था व	नल सीवर कर <b>3</b> 3)	न्यूनलम् प्रभारः सीवर <b>4</b> 4)	5,	अधिभार ( <b>6</b> )	कुल योग 1+3+5+6	वामांकिक कुट @ 10% (8)	(9)
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\$555336	1777707	7	0	0	7333043	733304	6599739
Kindly re	dister your mobile	number for bill alert	6/14/20	122	Go for online t	ayment: www.ja	kalkanpur.in
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allows have not all assets startly it weight	। नया है (३) मृत्य मुख्य व्यवी	हेकी हे दिल महायद		र्वस चार्जेज/		ं बिल कम नोटिस	
	जला भुर- 208002	कर, सीवर कर/ न्यून	नतम प्रभार/ सी Sewer Seat	र्वेस चार्जेज / rs: 0		बिल कम नोटिस 16-07-2022 बिल	जल ही जीवन जल बचायें
नगर निगम, बेनाझाबर रोड, कान DIRECTOR H.B.T.I. KANPUR	जला नपुर- 208002 जोन न	कर, सीवर कर/ न्यून	नतम प्रभार / सी <b>Sewer Seal</b> मीटर साइज /	र्वेस चार्जेज / rs: 0 15	अन्य शुल्क क विल तिथि	16-07-2022 ਕਿল	जल ही जीवन जल बचायें सं० <b>42</b> 3
विभाग नगर निगम, बेनाझाबर रोड, कान	जला नपुर- 208002 जोन न	कर, सीवर कर / न्यून नं 6 वार्षिक मुल्यांकन 800910	नतम प्रभार/ सी Sewer Seat मीटर साइज/ घरेलू/अधरेलू,	र्वेस चार्जेज / rs: 0 15	अन्य शुल्क का बिल तिधि ND3देय तिधि	16-07-2022 ਕਿ <b>ল</b> 16-08-2022 <sub>ਪ੍ਰਖ਼ਸ਼</sub>	जल बचायें सं० <b>42</b> 3
नगर निगम, बेनाझाबर रोड, कान DIRECTOR H.B.T.I. KANPUR 67,LAKHAN PUR BLOCK-A, KANP जलकर न्यूनतम प्रभार जल	जला अपुर- 208002 जोन न वार्ड	कर, सीवर कर / न्यून नं 6 वार्षिक मूल्यांकन 800910 सं 16 खाता नं 0	नतम प्रभार / स्ति Sewer Seal मीटर साइज / घरेलू / अधरेलू / निर्माण / कि	र्वेस चार्जेज / rs: 0 15	अन्य शुल्क क विल तिथि	16-07-2022 ਕਿ <b>ল</b> 16-08-2022 <sub>ਪ੍ਰਖ਼ਸ਼</sub>	जल ही जीवन जल बचायें सं० <b>42</b> 3
नगर निगम, बेनाझाबर रोड, कान DIRECTOR H.B.T.I. KANPUR 67,LAKHAN PUR BLOCK-A, KANP जलकर न्यूनतम प्रभार जल (1) (2)	जला अपुर- 208002 जोन न वार्ड सीवर कर	कर, सीवर कर / न्यून नं 6 वार्षिक मृत्यांकन 800910 सं 16 खाता नं 0	नतम प्रभार / स्ति Sewer Seal मीटर साइज / घरेलू / अधरेलू / निर्माण / कि	र्वेस चार्जेज / rs: 0 15 /मिश्रित रायेदारी	अन्य शुल्क क बिल तिथि ND3 <sub>देय तिथि</sub> PID No.	16-07-2022 बिल 16-08-2022 усыг ЈККБОLРАС समाधिक छूट @ 10%	जल ही जीवन जल बचायें सं० <b>42</b> 3 ए .• 001602123180
नगर निगम, बेनाझाबर रोड, कान DIRECTOR H.B.T.I. KANPUR 67,LAKHAN PUR BLOCK-A, KANP जलकर न्यूनतम प्रभार जल (भ (2)	सपुर- 208002 जला जोन वार्ड सीवर कर न्यु 33)	कर, सीवर कर / न्यून नं 6 वार्षिक मृत्यांकन 800910 सं 16 खाता नं 0	नतम प्रभार / स्ति Sewer Seat मीटर साइज / घरेलू /अघरेलू , निर्माण / कि	र्वेस चार्जेज / rs: 0 15 /मिश्रित रायेदारी अधिभार	अन्य शुल्क क बिल तिथि ND3देय तिथि PID No. कुल योग	16-07-2022 बिल 16-08-2022 усы: ЈКК6DLРАС समाधिक छूट @ 10% (8)	जल ही जीवन जल बचायें सं० <b>42</b> 3  001602123180 (9)

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कुल योग अंको में	3,10.65	765 00	अधि० वर	मूलीकर्ता का नाम

जल	उक्ल विभाग	- नगर निगम, कानपुर
पुस्तक सं0	4707 बिनाझाब	र रोड, कानपुर–208 002) प्रतिपर्ण सं0
उपभोक्ता नं0		खाता नं० र् दिनांक 13 01 २२
जल कर 🔷	6951079-3	चेकों की अभिस्वीकृति
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जल मूल्य		चेक नं
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अन्य		धनराशि की एसीके नहीं समझें ने प्राप्तिए। चैक भुन जाने के पश्चात
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नवाबगंज, कानपुर - 208002, उ.प्र., भारत



#### HARCOURT BUTLER TECHNICAL UNIVERSITY

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

Application Regarding extension of Water Tax and Sewer Tax Bill's Payment Date (Year 2022-23).

### कार्यालय अधिशासी अभियन्ता जोन-6 जलकल विभाग नगर निगम, कानपुर

पत्रांक:- जलकल / ५८८ / अ०अ०६ / २०२१-२२

दिनांक- 10 - 1 - २ 2

सेवा में.

वित्त नियत्रंक हरकोर्ट बटलर टेक्नोलोजिकल यूनिवर्सिटी कानपूर।

विषय:-वर्ष 2021-22 के जलकर व सीवरकर के बिल के भुगतान के सम्बन्ध में।

महोदय,

कृपया अवगत कराना है कि आप से दूरभाष पर हुई वार्ता के अनुसार आप के द्वारा जलकर व सीवरकर के बिल में छूट का समय बढ़ाने के सम्बन्ध में आग्रह किया गया है। आपके द्वारा अपेक्षित बिल की देय तिथि 15-01-2022 तक छूट कर दी गयी है।

कृपया बिल का भुगतान नियत तिथि तक करने का कष्ट करें ताकि आप छूट का लाभ प्राप्त कर सकें।

संलग्नक— जलकर व सीवरकर के बिल।

बैंक का नाम:– पंजाब नेशनल बैंक ब्रान्च का नाम:– कानपुर जल संस्थान खाता सं:- 2340010100001062 IFS CODE- PUNB0458700 ब्रान्च कोड- 458700 माईकरकोड- 208024050

प्रतिलिपि:-

- 1. सम्बंधित अवर अभियन्ता जोन—6 जलकल विभाग, नगर निगम, कानपुर। 2. बिलिगं प्राभारी जोन-6 जलकल विभाग, नगर निगम, कानपुर।
- 3. सम्बन्धित वसूलीकर्ता जोन–6 जलकल विभाग, नगर निगम, कानपुर।

अधिशासी अभियन्ता जोन-6

### Water Tax and Sewer Tax Payment Bill

可以 DIR.OF H.B.T.I. KANPUR (1975) (19		जोह नं० वार्षिक मुल्यांकन मीटर		मीटर साइज	साइज / <sup>15</sup>		बिल तिथि 15-01-2022		विल सं० <b>707</b>		
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Application Regarding Payment of Water Tax and Sewer Tax Bills up to Rupees 988201.00 for 10% discount(Date-11-10-**19**).

> कार्यालय अधिशासी अभियन्ता जोन-6 जलकल विभाग नगर निगम, कानपुर

पंचार जलकल / 1436 / अ०अ०६ / 19-20

दिनांक- 11-10-19

रोवा मे.

वित्त नियंत्रक. एच०बी०टी०आई विश्वविद्यालय वानपुर नगर।

विषयः वर्ष 2019-20 के जलकर/सीवरकर एवं डिस्पोजल के बिल के भूगतान के सम्बन्ध

महोद्य

उपरोक्त विषय के सम्बन्ध में अवगत कराना है कि, संलग्न बिल के अनुसार आपके विभाग से सम्बन्धित परिसर पर वर्ष-31-03-2020 तक का **रू0-988201.00 (नौ लाख अळासी हजार दो सौ** एक मात्र) भुगतान हेतु बिल संलग्न है। उक्त का भुगतान समयानुसार करने का कष्ट करे, ताकि 10% रामियक छूट का लाभ प्राप्त कर सके, साथ ही अवगत कराना है, कि जलकल विभाग नगर निगम, कानपुर का बैंक खाता विवरण निम्न है।

> जलकर व सीवरकर रूपया— 693481.00 कालोनी- 97620.00 डिस्पोजल- 197100.00

> > योग:- 988201.00

वैक का नाम:- पंजाब नेशनल बैंक व्रान्य का नाम:- कानपुर जल संस्थान खाता सः 2340010100001062 IFS CODE- PUNB0458700 ब्रान्च कोड- 458700 माईकरकोड- 208024050

#### प्रतिलिपिः

- 1. सम्बंधित अवर अभियन्ता जोन-६ जलकल विभाग, नगर निगम, कानपुर। 2 विलिग प्राभारी जोन-6 जलकल विभाग, नगर निगम, कानपुर।
- सम्बन्धित वसूलीकर्ता जोन-6 जलकल विभाग, नगर निगम, कानपुर।

137/N P/19, 20 Pale

अधिशासी अभियन्ता जोन-6

- AIM GADAM

### Water Tax and Sewer Tax Payment Bill

विनाझाबर रोड, कानपुर- 208002 जलकर, सीवर कर/ न्यूनतम प्रभार/ सर्विस चार्जेज/ अन्य शुल्क का बिल कम नोटिस जल ही जीवन है जल बचायें

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	J.			' ।करायदारा	TID NO.	समायिक दूट @	N0060003437300	
तम प्रभार जल सीवर कर (2) (3)	न्यूनतम प्रभ (4)	विकास शुल्क	चार्जेज ८ /अन्य शुल्क (5)	अधिभार (6)	कुल योग (7) 	(8)	(9)	
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ार में जो अधिक है उसे ही योग में लिया गया है। धनराशि पर लगाया गया है (३) भूल चूक लेनी देनी। इ. पर देखें।

5/24/2019 ह० बिल सहायक Go for online payment: www.jalkalkanpur.ly ह० जांचकर्ता ह० अधिकृत अधिकारी



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### **Application Regarding Payment of Water Tax and Sewer** Tax Bills up to Rupees 988201.00 for 10% discount(Date-11-10

कार्यालय अधिशासी अभियन्ता जोन-6 जलकल विभाग नगर निगम, कानपुर

पत्रात - जलकल / 1436 / अ०अ०६ / 19-20

दिनांक- 11-10-19

रोवा में.

विता नियंत्रक. एच०बी०टी०आई विश्वविद्यालय वानपुर नगर।

विषयः वर्ष 2019-20 के जलकर/सीवरकर एवं डिस्पोजल के बिल के भुगतान के सम्बन्ध

उपरोक्त विषय के सम्बन्ध में अवगत कराना है कि, संलग्न बिल के अनुसार आपके विभाग से सम्बन्धित परिसर पर वर्ष-31-03-2020 तक का रू0-988201.00 (नौ लाख अळासी हजार दो सौ एक मात्र) भुगतान हेतु बिल संलग्न है। उक्त का भुगतान समयानुसार करने का कष्ट करे, ताकि 10% सामधिक छूट का लाभ प्राप्त कर सके, साथ ही अवगत कराना है, कि जलकल विभाग नगर निगम, कानपुर का बैंक खाता विवरण निम्न है।

> जलकर व सीवरकर रूपया— 693481.00 कालोनी- 97620.00 डिस्पोजल— 197100.00

> > योग:- 988201.00

वैक का नाम:- पंजाब नेशनल बैंक ब्रान्य का नाम:- कानपुर जल संस्थान खाता सः 2340010100001062 IFS CODE- PUNB0458700 ब्रान्च कोड- 458700 भाईकरकोड- 208024050

अधिशासी अभियन्ता

प्रतिलिपि:

- सम्बंधित अंवर अभियन्ता जोन-6 जलकल विभाग, नगर निगम, कानपुर। 2 विलिंग प्राभारी जोन-6 जलकल विभाग, नगर निगम, कानपुर।
- सम्बन्धित वसूलीकर्ता जोन-6 जलकल विभाग, नगर निगम, कानपुर।

137/N P/19, 20 Pale

अधिशासी अभियन्ता जोन-6

- AIM GADAN

### **Water Tax and Sewer Tax Payment Bill**

ा व पता - DIRECTOR H.B.T.I. KANPUR .PA.267 LAKHAN PUR BLOCK-A, Kanpur			)r	जोच नं०	800910 संदर्भ घरेलू /अधरेलू /मिश्रित			01-08-2018। विल 01-09-2018			
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अविभार- (१) जनकर सीदर कर न्युनतम प्रभार में जो अधिक है उसे ही योग में लिया गया है। २) जीवभार दिगत वर्ष की बकाया धंनराशि पर लगाया गया है (३) भूल चूक लेनी देनी। वर्ष : अवश्यक निर्देश एवं सबनाये गीप्रे ग्रहर गर केन्द्रें।



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, Kanpur, Waste Management Policy

# Waste Management Policy



Harcourt Butler Technical University, Kanpur Kanpur

#### 1. Summary

This document outlines the University's Waste Management Policy. It details the university's arrangements to minimise solid and liquid waste production, improve their segregation, collection, transport, safe disposal, recycling, wastewater treatment, reuse and safe disposal of effluent generated in the university. In the context of this policy, wastes include: domestic, institutional waste (paper, plastic, recyclable materials (paper, card board, food waste, glass, metals), leaves, construction, e-waste, plastics, hazardous waste and wastewater. The policy shall inter alia include technology options for waste to compost and waste to energy with due consideration for environment.

#### 2. Waste Management Policy Statement

The University is committed to manage waste produced in both, east and west campuses of the university in an environmentally safe, cost-effective and timely manner in line with current environmental legislation. The university shall comply with the Waste Management Rules as prescribed by the state of Uttar Pradesh (UP) and the guidelines of the Kanpur Nagar Nigam (KNN) issued from time to time.

### 3. Scope

The scope of this policy shall cover the solid (including papers, plastics, e-waste, hazardous waste) and wastewater generated in the east and west campuses of the university. It shall be applicable to all employees (faculty and staff) and their family members residing in the campus, students, guests of the university and others visiting the campus.

#### 4. Introduction

This Waste Management Policy forms a part of the HBTU's Strategic Plan. The policy shall aim to ensure that all waste (solid, wastewater, e-waste) generated within the university is managed and disposed of safely and efficiently in accordance with the environmental legislation; and to demonstrate the university's commitment to implement and deliver the best waste management practices- reduce, recover, recycle, disposal; and thereby reducing the negative environmental impacts arising from the waste. The Policy highlights the need to consider the environmental impacts when making any procurement decisions or construct or refurbish buildings. The primary objectives of the policy are to ensure cleanliness in the HBTU East and West Campus for healthy, hygienic and liveable environment. The University is committed to implementing an effective and responsible waste management process that meets all the environmental regulations for sustainable society.

#### **5.** The Waste Hierarchy

The University shall have adequate arrangements, facilities, infrastructure, requisite logistics and disposal/recycling infrastructure and all students, staff and families of staff members shall ensure to make use of these facilities in order to help dispose off and recycle as much waste as is possible. The waste hierarchy can be represented in form of a pyramid shown in Fig.1.



Fig.1.Waste Hierarchy Pyramid (from the most favourable (top) to the least (bottom) Waste minimization at source (prevention)

Fig. 1 highlights that waste minimization shall be the first step which should be practised for less generation of waste. This may be achieved by dissemination of information about waste reduction and segregation at source, collection followed by ensuring its transport and disposal by technological options within the university or as per the arrangement made by Kanpur Nagar Nigam. Promotion of reusable products shall be carried out in the university to reduce the waste generation- it shall include; paper, glass, cardboard, leaves/grass of plants, construction/demolition waste and other non-hazardous waste etc. The hazardous wastes generated in the university premises shall be disposed of in an environment friendly manner by taking adequate support of the State Pollution Control Board or registered firms adept at handling of hazardous wastes. In simple terms, the HBTU Kanpur Waste Management Policy shall be based on the following principles:

- Reduction and reuse at source
- Effective segregation at source
- Waste recycling:
- Waste to composting:
- Waste-to-Energy:
- Waste disposal:

#### 6. Plastic Waste Reduction

The University shall recognise the adverse impact of plastic waste production and disposal. Plastic pollution can have a harmful impact on the water environment and thus the University shall seek to reduce plastic use and wastage on campus. The following initiatives shall be adopted:

- a) Single-use plastics in catering (food packaging, disposable coffee cups, cutlery) shall be replaced with compostable catering supplies in the university canteen and other cafes in order to reduce plastic waste on campus.
- b) Reusable cups shall be made available to the university staff and students to reduce single-use disposable cup wastage.
- c) Conferencing and other events shall make use of reusable glasses to serve water, thus eliminating waste from used plastic bottled water.
- d) Water coolers/RO Plants/Aqua guards shall be installed throughout the campus for use by students and staff to encourage bottle reuse.

#### 7. Policy Targets

Specifically, the university targets that by the year 2023,

- a) the University shall safely dispose entire solid and liquid waste produced in the campus (along with recovery, gas generation, cost recovery etc),
- b) shall stop the use of 'single use' plastics on campus using a combination of alternative materials.
- c) ban on use/sale of plastic bottled water on campus
- d) recover and ensure proper disposal of e-waste
- e) treat the household/institutional waste water produced in a small capacity wastewater plant before discharging into the public sewers, using the treated effluent for horticulture and effective electronic waste management.

#### 8. Roles and Responsibilities

For effective implementation of the university's waste management policy, the roles and responsibilities of following various stakeholders shall be as under:

#### a) Nodal officer, Waste Management Policy

The Pro-Vice Chancellor or his/her nominee shall be the Nodal Officer and he/she shall have the overall responsibility to ensure the compliance of the waste management policy. He/she shall have to coordinate all the related activities and ensure the installation and logistics support for collection, segregation, transport, treatment, disposal and reuse of solid and liquid waste generated in the university.

#### b) Heads of Departments shall be responsible for ensuring,

- i) Collection and segregation of papers, plastic, card boards, laboratory waste, hazardous waste in their respective departmental.
- ii) Ensure segregation, safe storage and disposal of hazardous waste in accordance with relevant legislation in their respective department.
- iii) Identification of competent/trained personal to implement the arrangements for management of hazardous waste.
- iv) All wastewater infrastructure (toilets, urinals, sinks in laboratories etc) and other related appurtenances in their respective departments are in working condition so as to ensure smooth flow of sewage/wastewater to the sewers.

#### c) Class Representative and Students of the class

The Class Representative shall be responsible for ensuring the cleanliness of the class rooms, laboratories, corridors, amenities and hostels and advise all students not to through litter, plastic and other waste. In case of any issue related to housekeeping, they shall report immediately to the concerned Head of the department or directly to the concerned staff in the department.

#### d) Students

All students of the university shall ensure cleanliness of their respective classrooms, laboratories, streets, corridors, amenities and hostels in the campuses. In case of any issue related to housekeeping, they shall report immediately to the Class Representative or the Warden or directly to the concerned staff in the department/hostel.

#### e) Dean of Student Welfare (DSW)

The DSW shall ensure and coordinate the cleanliness of all the hostels and compliance of this Waste management policy through the respective wardens.

### f) Hostel Wardens

- i) The wardens shall ensure the cleanliness of all the hostels and compliance of this Waste management policy.
- ii) They shall ensure that all treatment/disposal arrangement installed in their respective hostels are operational all the time.
- iii) They shall ensure that all the wastewater infrastructure (toilets, urinals, sinks in laboratories etc) and appurtenances in their respective hostels are in working condition so as to ensure smooth flow of sewage/wastewater to the sewers.

#### g) Professor In charge, Civil Maintenance

He/she shall be responsible for arranging and implementing all possible infrastructure and logistics needed for ensuring full compliance of the policy. This infrastructure/includes; bins, brooms, wipers/moppers, phenyl/disinfectant, vehicle/trolley to transport the waste (in both campuses), workers, compost plant, landfill, safety of workers and Liaoning with the vendors/contractors/Kanpur Nagar Nigam etc. He/she shall also be responsible for arranging O&M/AMC of all waste collection/transport and disposal infrastructure.

#### h) Head, Mechanical Engineering

He/she shall ensure arrangement for installing the waste to energy plant- in form of biogas/compost plant, incinerator, boilers etc including the requisite designs of the same in line with the environmental legislations.

#### i) Head, Computer Science and Engineering

He/she shall ensure identification, collection, segregation, reuse and safe disposal of e-waste generated in the university

#### j) Head, Civil Engineering

He/she shall ensure the coordination of safe disposal of wastewater, solid waste (including plastics, paper, card board etc) generated in the university including the requisite designs in line with the environmental legislations.

#### k) Head, Chemical Engineering Department

He/she shall ensure the coordination of safe disposal of hazardous waste generated in the university in line with the environmental legislations.

#### l) Every waste generator

He/she shall,

- i) Segregate and store the waste generated by them in three separate bins meant for biodegradable, non-bio-degradable and hazardous wastes and handover the wastes to authorised waste pickers/waste collectors as per the directions or notification by the university/KNN from time to time.
- ii) wrap securely the used sanitary waste like diapers, sanitary pads etc., in the pouches provided by the manufacturers or in suitable wrapping material as instructed by the university and place the same in the bin meant for dry waste or non-bio-degradable waste/dispose of in the incinerators installed in their respective girl hostels.

- iii)Store the horticulture and garden waste generated from university premises in own premises and dispose of as per the directions of the KNN issued from time to time.
- iv)not throw, burn or burry the solid waste generated, in classrooms, offices, laboratories, corridors, streets, roads, canteen etc in open drains/sewers.
- v) not organise an event or gathering of more than one hundred persons in the university auditorium, Shatabdi Bhawan, Seminar halls ets without informing the concerned department head and Maintenance section at least three working days in advance. The organiser of such event shall ensure segregation of waste at source and handing over of the same to the waste collector.
- vi) work in close partnership with the university/KNN to ensure segregation of waste at source as prescribed, facilitate collection in separate-coloured bins, handover recyclable material to either the authorised waste pickers or the authorised recyclers.

#### 9. Operational Methodology

The precise methodology can be categorized into two:

#### **Primary Collection**

The university shall,

- a) ensure source segregation of waste, to channelize the waste to wealth by recovery, reuse and recycle. This shall be done at the level of each academic department, laboratories, hostels, administrative block, main building, canteen, hostel mess etc.
- b) Shall ensure three coloured bin system (for Green Waste, Dry Waste, Hazardous Waste).
- c) make arrangement for door-to-door collection of segregated solid waste from all households including hostels and academic area.
- d) establish a system to identify organisations of waste pickers or informal waste collectors to facilitate their participation in solid waste management.

#### **Secondary Collection**

In this, the university shall,

- a) ensure three bins at every Secondary Collection Point.
- b) setup secondary storage facilities in east and west campuses of the university, with sufficient space for sorting of recyclable materials to enable informal or authorised waste pickers and waste collectors to separate recyclables from the waste.
- c) provide easy access to waste pickers and recyclers for collection of segregated recyclable waste such as paper, plastic, metal, glass, and textile from the source of generation or from material recovery facilities.

#### Transportation of Waste

In this, the university shall,

- a) transport segregated bio-degradable waste to the processing facilities like compost plant, bio-methanation plant or any such facility.
- b) make arrangement for in-house and on-site processing of such waste.
- c) transport non-bio-degradable waste to the respective processing facility or material recovery facilities or secondary storage facility;
- d) ensure transport of waste in segregated form in covered vehicles.

## Collection, transport and treatment of Wastewater and safe disposal of treated effluent

In this, the university shall,

- a) facilitate the construction, operation and maintenance of requisite infrastructure for collection, transport of wastewater,
- b) ensure safe disposal of treated sludge.
- c) ensure safe disposal of treated effluent or re-use the same for gardening and horticulture purpose within the university.

#### Specific tasks be taken on immediate basis.

The university shall implement the following on immediate basis:

- Proper collection and Segregation of domestic and institutional waste
- Timely transportation.
- Daily Road sweeping-of roads, class room, departments and hostels.
- 100% collection at fixed time 365 days in a year
- Penalize the polluters/defaulters through a monetary fine.
- Ban the sale and use of plastic carry bags (of thickness less than 50 microns) within the university premises.
- Organize effective "Information, Education and Communication (IEC)" and "Capacity Building" programmes.

## 10. Capacity Building and Training through IEC (Information, Education and Communication)

The success of any Waste Management Plan depends upon the extent of public/community participation. Thus, the university shall undertake capacity building by training students, housewives and other staff of the university. It shall also organize Information, Education and Communication (IEC) activities. The main objectives of IEC shall be to make people understand. Specifically, these includes.

- The concept and need for segregation at source
- The need to waste storage at source in separate receptacles one for bio degradable and another for recyclable.
- The role of citizens in primary collection of waste from the household and handing over to waste collectors,
- The need to use litter bins on road sides and public places.
- The impact of solid waste on public health and the environment

#### 11. Implementation Committee

For effective implementation of the WMP, there shall be a Waste Management Policy Implementation Committee. The constitution of the same shall be as follows:

- a) Nodal Officer, Waste Management Policy
- b) All Heads of Departments
- c) Dean of Student Welfare
- d) All Hostel wardens
- e) Professor In charge, Civil Maintenance
- f) Head, Mechanical Engineering
- g) Head, Computer Science and Engineering
- h) Head, Civil Engineering
- i) Head, Chemical Engineering
- j) Dean, School of Chemical Technology