

7.1.3

Solid and Liquid Waste Management




I K Gujral Punjab Technical University Jalandhar, Kapurthala (Punjab)

Liquid Waste Management:

To have effective and efficient Liquid Waste Management, IKGPTU has got installed Three Sewage Treatment Plants (STPs). Out of the three STPs, Two are of 30 KLD capacity and One of 50 KLD capacity. The construction of one more STP of capacity 90 KLD is in progress. All these STPs are being operated as per Punjab Pollution Control Board norms. For carrying liquid waste from various Buildings to the Sewage Treatment Plants, a proper underground drainage system has been developed in the campus. Consents for the operation of these STPs issued by Punjab Pollution Control Board is enclosed. The treated water disposed from these STPs is being used for irrigation purposes for which separate water lines have been laid.

Solid Waste Management:

University has provided dust bins to collect Solid waste materials across the campus. The waste collected from these dustbins is collected at one place and then disposed off outside the campus. As far as disposal of Waste Food Products, Dead Plants & Dry leaves, a decomposition machine of capacity 500 Kg per day has been installed in the campus. Waste Food Products, Dead Plants & Dry leaves are processed through this machine and converted into manure which is used for Horticulture purposes.


H.P. SINGH
EXECUTIVE ENGINEER
PUNJAB TECHNICAL UNIVERSITY
JALANDHAR



7.1.3-1

Solid waste management

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

Estd. Under Punjab Technical University Act, 1996
(Punjab Act No. 1 of 1997)

Ref. No. IKGPTU/Reg 3809

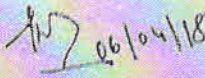
Dated: 06/04/2018

The Executive Engineer,
Construction Division No. 2,
PWD (B&R), Kapurthala.



Subject : Approval of estimate for provision of solid waste composting plant at
IKGPTU main campus, Kapurthala.
Reference : Your memo no. 2776 dated 21.03.2018.

In reference to the above, this is to inform that competent authority of IKGPTU has accorded approval to the estimated cost of Rs. 28.13 lacs for provision of solid waste composting plant at IKGPTU main campus, Kapurthala.

You are requested to proceed with the work.


(H.P. Singh)
Executive Engineer

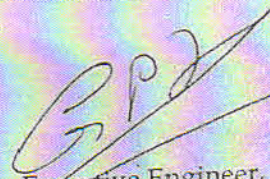
Copy to : The Executive Engineer, Water Supply and Sanitation Department, Kapurthala.


H.P. SINGH
EXECUTIVE ENGINEER
PUNJAB TECHNICAL UNIVERSITY
JALANDHAR


CERTIFICATE

SOLID WASTE MANAGEMENT SYSTEM

Certified that Sludge Composting Machine "Model Compost 24-500" manufactured by M/S ALFA-THERM LIMITED, New Delhi of capacity 500-600kg per day with inbuilt shredder and stainless-steel outer body has been installed in main campus of IKG Punjab Technical University, Kapurthala for disposal of solid organic and food waste.



Executive Engineer,
W/S & Sanitation Division,
Kapurthala.

DWJ



EXECUTIVE ENGINEER
PUNJAB TECHNICAL UNIVERSITY
JALANDHAR



ALFA THERM LIMITED

Works - 32 K.M. Sisson N.H.-1, Karnali District Samsat, Haridwar. Ph. 0133-221911/114 FAX 2219114
 Regd. Office & Correspondence Centre, Phase-I, Mayapuri, New Delhi-110064 Ph. 011-26113121, 26140211 Fax 11-26113126
 MSME ENTREPRENEUR MEMORANDUM NO. 06024001120 DATED 07/08/11 CATEGORY - SMALL
 Pan Card - AABC49067Q GST No - 06AABCA0067Q121 C.N.No. U-4599011994PLC196781

TAX INVOICE

DUPLICATE FOR TRANSPORTER

Invoice No: 2019-2024-25
 Invoice Date: 18/04/2019
 Place: Haridwar State Code: 06

Transportation Mode: BY ROAD
 U.K. No: 05W1842519
 Transport Name: CHC INDBA LOGISTICS
 Vehicle No: PH10RX3224
 Date of Supply: 18/04/2019

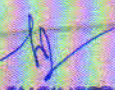
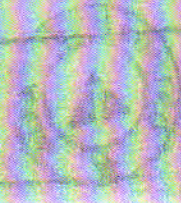
Name: OFFICE EXECUTIVE ENGINEER WATER SUPPLY & SANITATION
 Address: NAJURTHALA HOUSE NO.5, TAJORE NAGAR, NEAR
 JALANDHAR BYE PASS, KAPURTHALA, PUNJAB
 State Code: 01

Name: INDIRA MARG JALANDHAR UNIVERSITY
 Address: JALANDHAR, PUNJAB
 State Code: 14

Sl. No.	Description	HSN	UOM	Qty	Rate	Total	IGST%	IGST Value	IGST No.	Tax Amount	Amount
01	COMPOSTING MACHINE ORGANIC WASTE COMPOSTING MACHINE AUTOMATICALLY REVERSE WITH INVERTER CONTROL	8479	Nos	1	1,80,000.00	1,80,000.00	0	0.00	17	24,120.00	1,80,000.00
TOTAL											1,80,000.00

Total Taxable Value: 1,80,000.00
 IGST @ 17%: 24,120.00
Total Amount: 1,80,000.00

H.P. SINGH
 EXECUTIVE ENGINEER
 PUNJAB TECHNICAL UNIVERSITY
 JALANDHAR

For ALFA THERM LIMITED



10/10/20

NOTES

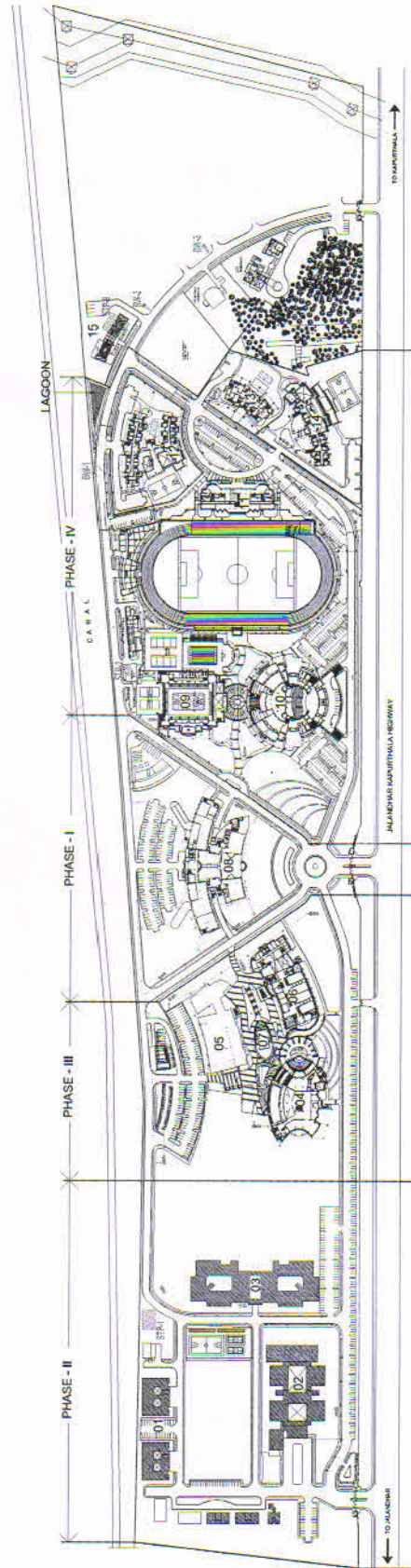
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH RELEVANT SPECIFICATIONS.
- ALL DIMENSIONS ARE TO BE AS SHOWN, UNLESS OTHERWISE SPECIFIED.
- THIS DRAWING IS A PROPERTY OF ARCHITECTS. IT IS TO BE KEPT IN CONFIDENCE AND NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ARCHITECTS.

NO. REFERENCES

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SITE PLAN

	DRAINAGE PIPE
	RECHARGE PIT
	DRAIN-MANHOLE
	BORE WELL
	STP
	PH TOILET

LEGEND

01	HOSTEL
02	CB-3
03	WORKSHOP
04	CLUB HOUSE
05	CB-2
06	CB-2
07	SEMINAR
08	ADMINISTRATION
09	STUDENT'S COMPLEX
10	AUDITORIUM
11	OUTDOOR STADIUM
12	BOYS HOSTEL
13	MARRIED STUDENTS HOSTEL
14	GIRLS HOSTEL
15	STP & UST

PROJECT	PUNJAB TECHNICAL UNIVERSITY, JALANDHAR
CLIENT	PUNJAB TECHNICAL UNIVERSITY
ARCHITECTS	Archigroup Architects (regd.) Studio: P No. A-14, 1st Floor, Sector: 15, Jalandhar, Punjab - 143001 Phone: 0191-2412493-4
DRAWING TITLE	SITE PLAN
DATE	18.09.21
JOB NO.	00
DEALT BY	Rev.
SCALE	R1
CHG. NO.	
DWG. NO.	
ATUL	11459 P.T.U.V.Arch/2020/01/01
Client:	Architect:

Handwritten signature
H.R. SINGH
 EXECUTIVE ENGINEER
 PUNJAB TECHNICAL UNIVERSITY
 JALANDHAR

CERTIFICATE

LIQUID WASTE MANAGEMENT SYSTEM

Certified that the undermentioned Sewage treatment plants based on MBBR Technology have been installed and working satisfactorily in the Main and APIT campus of IKG Punjab Technical University, Kapurthala for treatment of liquid waste generated from various buildings of the campus:

- 1. STP 50 KLD : For AB-1, AB-2, Knowledge Resource Centre and Seminar Hall
- 2. STP 30 KLD : For Administrative Building
- 3. STP 30KLD : For APIT Complex consisting of CB-3, Girl's Hostels And staff quarters

It is further certified that the treated water generated from these STPs is fully utilized for horticulture purpose in the campus.



Executive Engineer,
W/S & Sanitation Division,
Kapurthala.
DWS



H.P. SINGH
EXECUTIVE ENGINEER
PUNJAB TECHNICAL UNIVERSITY
JALANDHAR



lipid waste management

XEN

12/7/18

Office of Executive Officer
Date: 13.07.18
From: XEN



PUNJAB POLLUTION CONTROL BOARD
Zonal Office, Near Water Tank, Focal Point, Jalandhar
Website: www.ppcb.gov.in

5034 13/7/18
PPCB

Date: 11/7/18

Office Dispatch No: 3997 Registered/Speed Post
Industry Registration ID: R12KPR74245

Application No: 7667584
1K6P701CE/233
dt: 13/7/18

To, AMANPREET SINGH
JAL-KPT ROAD
KAPURTHALA, PUNJAB-144603

Subject: Grant Varied 'Consent to Operate' an outlet u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 for discharge of effluent.

With reference to your application for obtaining Varied 'Consent to Operate' an outlet for discharge of the effluent u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974, you are, hereby, authorized to operate an industrial unit for discharge of the effluent(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate

1. Particulars of Consent to Operate under Water Act, 1974 granted to the industry

Consent to Operate Certificate No.	CTOW/Varied/KPR/2018/7667584
Date of issue :	04/07/2018
Date of expiry :	31/03/2023
Certificate Type :	Varied
Previous CTO No. & Validity :	G16KPRCTOW2954626 From 15/03/2016 To 31/03/2020

2. Particulars of the Industry

Name & Designation of the Applicant	AMANPREET SINGH REGISTRAR / K GUJRAL PUNJAB TECHNICAL UNIVERSITY JAL-KPT ROAD, (REGISTRAR)
Address of Industrial premises	Inder kumar gujral punjab technical university, Jal-kpt road, Kapurthala, Kapurthala-144603
Capital Investment of the Industry	13958.0 lakhs
Category of Industry	Red
Type of Industry	1999-Miscellaneous (Red)
Scale of the Industry	Large
Office District	Kapurthala
Consent Fee Details	
Raw Materials (Name with quantity per day)	Institute
Products (Name with quantity per day)	Institute
By-Products, if any, (Name with quantity per day)	
Details of the machinery and processes	As per project report

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Inder kumar gujral punjab technical university, jal kpt road, Kapurthala Kapurthala 144603
Page 1

H.P. SINGH
EXECUTIVE ENGINEER
PUNJAB TECHNICAL UNIVERSITY
JALANDHAR

Details of the Effluent Treatment Plant	Domestic Effluent (6990 KLD)
Mode of Disposal	Onto land for plantation after STP's in phase 1, 2 and phase 3
Standards to be achieved under Water (Prevention & Control of Pollution) Act, 1974	As prescribed by the Board



04/07/2018

(Shiv Kumar)
Environmental Engineer

For & on behalf

(Punjab Pollution Control Board)

Endst. No.: 3995
4070

Dated: 11/7/18

A copy of the above is forwarded to the following for information and necessary action please:
EERO Jalandhar



04/07/2018

(Shiv Kumar)
Environmental Engineer

For & on behalf

(Punjab Pollution Control Board)

AGH
EXECUTIVE ENGINEER
PUNJAB TECHNICAL UNIVERSITY
JALANDHAR

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Indar Kumar Gupta Punjab Technical University, Jalandhar Road, Kapurthala, Punjab, India. 141013

Page 2

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

Estd. Under Punjab Technical University Act, 1996
(Punjab Act No.1 of 1997)

Ref. No. IKGPTU/REG/ 1875

O/c

Dt. 26/7/2018

Work Order

M/s. Build India Construction Co.
50/7, Friends Colony
Opp. DAV Collage
Jalandhar

Subject: Operation, Running & Comprehensive Maintenance of Three Nos. Sewage Treatment Plants (Two of 30 KLD and One of 50 KDL capacity) at IKGPTU Campus on Jalandhar-Kapurthala Highway, Kapurthala for a period of three years.

Ref. No. Tender submitted by you on Dt.21.06.2018 and your letter no. BICC/PTU/TENDERS/18/2 dated 12.07.2018.

In reference to the above, I K Gujral Punjab Technical University is pleased to place work order on you for carrying out the Operation, Running & Comprehensive Maintenance of Three Nos. Sewage Treatment Plants (Two of 30 KLD and One of 50 KDL capacity) at IKGPTU Campus on Jalandhar-Kapurthala Highway, Kapurthala for a period of three years w.e.f 01.08.2018 at a total cost of Rs. 63,79,560.00 (Sixty three lacs Seventy nine thousand five hundred and sixty only) (including GST). The General Terms & Conditions, Technical Terms & Conditions, Maintenance schedule and scope of work shall be as per the tender documents.

The accepted rates are as under:-

S.No.	Items	Unit	Qty	Rates Payable	
				Rate (in Rs./month inclusive of all taxes, duties etc.)	Amount (in Rs.)
1.	Operation, Running and Comprehensive Maintenance of three nos. Sewage Treatment Plants.				
i)	STP 30 KLD, Installed near main Administrative Building (Kapurthala Side)	Month	36	Rs. 57,000/-	Rs. 20,52,000/-
ii)	STP 30 KLD, Installed at APST campus, IKGPTU main campus. (Kapurthala side)	Month	36	Rs. 57,000/-	Rs. 20,52,000/-

Received
H.S.
26/7/18



I.K. Gujral Punjab Technical University, Jalandhar
Jalandhar-Kapurthala Highway, Near Pushpa Gujral Science City, Kapurthala-144603
Ph. No.01822-662521, 62501 Fax No.01822-255506, 662526 Email:registrara@ptu.ac.in

H.P. SINGH
EXECUTIVE ENGINEER
PUNJAB TECHNICAL UNIVERSITY
JALANDHAR



I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

Estd. Under Punjab Technical University Act, 1996
(Punjab Act No.1 of 1997)

iii)	STP 50 KLD Installed at IKGPTU campus adjoining 30 KLD STP (APST campus).	Month	36	Rs. 65,000/-	Rs. 23,40,000/-
			Total		Rs. 64,44,000/-
				(@ 1 %)	Rs. 64,440/-
	Discount Offered vide your letter no. BICC/PT U/TENDERS/18/2 dated 12.07.2018)				
		Net Amount			Rs. 63,79,560/-

(Rs. Sixty Three lacs Seventy Nine thousand five hundred and sixty only)

For execution of work and signing of agreement you are requested to contact Er. H.P.Singh, Executive Engineer, IKGPTU, Kapurthala.

Terms & Conditions :-

1. The rates are inclusive of all taxes including GST.
2. Payment will be made on monthly basis after raising of bill by you.
3. Taxes will be deducted from the Payment dues as per prevailing rates of central/state government.
4. One copy of this order may kindly be submitted to this office duly stamped and signed as token of your acceptance.


Registrar

CC:

- i) I/C Secretariat, o/o Vice Chancellor : For information of Vice Chancellor.
- ii) Dy. Controller Finance
- iii) Executive Engineer
- iv) Estate Officer


J.P. SINGH
EXECUTIVE ENGINEER
PUNJAB TECHNICAL UNIVERSITY
JALANDHAR

I.K. Gujral Punjab Technical University, Jalandhar
Jalandhar-Kapurthala Highway, Near Pushpa Gujral Science City, Kapurthala-144603
Ph. No.01822-662521, 62501 Fax No.01822-255506, 662526 Email:registrar@ptu.ac.in