7.1.4 Waste Water Recycling-documents attached

- 1. Bill for Purchase and Technical Details of Sewage Treatment Plant
- 2. Bills for maintenance of Waste Water Recycling System

VARAD PRYAVARAN Pvt. Ltd. 308, Radhika Complex	Invoice No. 035			Buyer's Copy Dated			
Lobo Mondi S.C. Doni				05-09-2011			
Loha Mandi, S.C. Road Jaipur-01	Delivery Note		Mode/Terms of payments				
				As per contract			
	Supplier's ref		0	Other Reference(s)			
Buyer	Buyers order No.			ated			
JAGNNATH UNIVERSITY				25-04-2011			
Chaksu Jaipur	Dispatch Through		Destination				
	Truck		JNIT, Sitapura				
	Term Of Delivery						
	On Site.						
Description of Goods		Rate		Quantity	Amount		
Supply of Equipment for Sewage Treatment Plant Capacity-100KLD		1130000.00		One	1130000.00		
		VAT@5%			56500.00		
nstallation & Commissioning of S.T.P.		70000/-		One No.	70000.00		
Total							
					1256500.00		
Amount Chargeable(In words)							

VAT INVOICE

Rs. Twelve Lakh Fifty Six Thousand Five Hundred Only

Company's VAT TIN Company's CST No. Buyer's CST No. Buyer's LST No.

:08681666493 :08681666493

Declaration

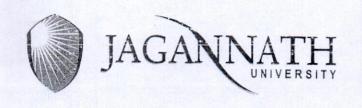
We declared that this invoice shows the actual price of the goods described and that all particulars are true and correct

For VARAD PRYAVARAN Pvt. Ltd.

This is computer Generated Invoice

Certified True Copy

Registrar Jagan Nath University, Jaipur



WORK/PURCHASE ORDER

M/s Varad Pryavaran Pvt. Ltd, 308, Radhika Complex, Loha Mandi, Sansar Chand Raod Jaipur-01

Date-25/04/11

Kind Attn:-Mr. Ajay Kumar Nunia

Sub:-Work/Purchase order for supply and installation and commissioning of STP

Project:-Construction of STP at Jagannath University, Chaksu, Jaipur

Dear Sir,

With reference to your quotation and further discussions held with us. We would like to place the order for following.

S.No	Name	Otre	T		
		Qty	Unit	Rate	Amount
1	Supply of Equipment for sewage				Milouit
	treatment Plant of	1	Nos	13,00,000	
	treatment Plant of capacity-50 KLD as per annexure attached			13,00,000	11,30,000
2	Installation & Commissioning of				
	STP of above	1	Nos	70.000	
	STP of above supply		1103	70,000	70,000/-
	TOTAL AMOUNT				
					Rs 12,00,000/

Terms & Condition: -

- 1. Delivery: - 5 to 6 weeks
- Payment condition: Rs 3,00,000 Advance, Rs 6,00,000 after supply of 2. equipments and remaining after installation and commissioning 3.
- Taxes: 5 % Vat on mechanical equipments (on Rs.11,30,000/-) 4.
- Cartage-Cartage would not be paid extra.
- Warranty:-One year onsite warranty of all items. 5.
- Bill of Material is attached 6.

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Registrar Jagan Nath University

Chaksu Campus: Village Rampura, Tehsil-Chaksu, Jaipur-303901 (Rajasthan)

Ph.: 0141-3020500, 3020555 Fax: 0141-3020538 Email: info@jagannathuniversity.org Website: www.jagannathuniversity.org

Sitapura Campus: IP-2 & 3, Phase-IV, Sitapura Ind. Area, Jaipur-302022 Ph.: 0141-4071551-2



OTHER WORKS:

- Training to client's operators for 3 Months.
- · Erection and Commissioning of the plant.
- All civil drawings
- · Operation and Maintenance menu

You are requested to sign with stamp the duplicate of this order in token of your acceptance

Thanking you

Yours faithfully

Received & Accepted

For Jagannath University

M/s Varad Pryavaran Pvt. Ltd

Certified True Copy

Jagan Nath University, Jaipur

ANNEXURE

INPUT DESIGN DATA

Items	Unit	Values
Design flow	Mt³/day	100
Peak flow	Mt³/Hr.	20
Average pump flow in sewerage treatment plant	Mt³/Hr.	4.5
BOD	mg/Lt.	250
COD	mg/Lt.	200
TSS	mg/Lt.	150
Oil & Grease	mg/Lt.	50
Coliform Count	Counts/100ml	1 X 10 ⁷

TREATED WASTE WATER QUALITY

BOD	mg/Lt.	<30
COD	mg/Lt.	<70
TSS	mg/Lt.	<20
Oil & Grease	mg/Lt.	<10
Coli form Count	Counts/100ml	<1000
рН		7.0-8.0

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Registrar Jagan Nath University, Jaipur

T

SCOPE OF WORK

Your scope of work includes procurement of components engineering, supply and super vision of erection and commissioning of one Sewage Treatment Plant of capacity 100 KL/Day. As per the system description comprising of various units under listed as mechanical, electrical and instrumentation, however, excluding civil work.

CIVIL COMPONENT

Oil and Grease chamber base on peak flow having 0.2Hr. (On Kitchen Discharge)

Collection cum equalization tank

: 60KL.

MOC

: RCC. M-25

Treated water tank

: 50KL

MOC

: RCC. M-25

Sludge beds

MOC

: Stone /Brick.

Foundation and platform for Mechanical Equipment: Lot (as required)

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MECHANICAL COMPONENT

BAR SCREEN

Description

Number 2 No.

Material of construction MS Epoxy

Type Coarse

Bar size 5mmthick

Clear spacing (mm) 20 & 10.

RAW SEWAGE PUMP

Description

Quantity 1Working +1Standby

Flow 4.5M³/Hr.

Head 12mwc

Type Submersible.

Make

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MOVING BED BIO REACTOR

Description

System Proposed

Fluidized Bed Bio Reactor

Bio-Reactor

Reactor MOC

M.S. Epoxy Coated.

Free Board

0.5Mt.

Media Type

Material of construction

PP

Air Grid in bioreactor

Туре

Coarse bubble, header & lateral

type

Material of construction

SS-304

Aeration Grid in collection Tank

Material of construction

HDPE

Type

Coarse bubble Type

Air Blower

No. of Air Blower

2(1W + 1S)

MOC

CI

Type

Positive displacement (Roots

Type)

Make

Everest/ Equivalent.

Power

4.1 bhp.

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CLARIFIER

Description

Type of Clarifier

Hydraulic loading

MOC

Free Board mm

Over flow weirs

Type proposed

Material of construction

Tube settler

2M/Hr. Rising velocity

M.S. Epoxy.

300

U notch

MS Epoxy

Graded Filtration or Pressure Sand Filter

No. of Units

Diameter

Height

MOC

Make

-Duty for PSF

Accessories

Operating Pressure

1 No.

1000mm.

1500mm

MS-Epoxy

AVS (As IS Specification

To remove suspended matter up to 30 micron

size.

The unit will be complete with frontal piping

and Valving, lot of media.

2.0 + 0.50 Kg/cm2

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lagan Nath University, Jaipu

Activated Carbon Filter

No. of Units

Diameter

Height

Make

Duty for ACF

Accessories

Pressure Feed Pump

No. of Units

Capacity

MOC

Make

Power

COLIFORM REMOVEL SYSTEM

Description

Туре

Process

Quantity

Parameter required

1 No.

1000mm.

1500mm

AVS (As IS Specification)

To remove Oil & Grease and specific Colour causing molecules.

The unit will be complete with frontal piping and Valving

Two

10M3/Hr. * 26M head

C.I.

Kirlosker/Equivalent

2HP.

Chlorine dosing

Chlorine dosing

No additional equipment required

<1000counts/100ml.

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Jaipur



DISINFACTIONS

Description

Disinfectant

Hypo chlorite 6%-Cl2

Chlorine dosage

4ppm

Process of dosing

Sodium Hypo solution through

Gravity.

Chlorine Contact tank

Retention time, min.(minimum)

30

Tank volume M3

05KL+0.5KL.

Tank material of construction

HDPE

Size

As per design

ELECTRICAL COMPONENTS

Motor Control Center

No. of units

1No.

Type

Self standing vermin proof

Make

VPPL/Others.

Cabling

Lot, Within in Battery Limit only earth wire

joint with client existing

Piping & Valving

Piping

Interconnecting within Battery Limits

Quantity

Lot, within Battery limit for a single site

Layout i.e.,

MOC

MS welded joints

Valving

Within Battery limit for a single site layout

Quantity

Lot.

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Registra Jaipu

(9/9)

(405)



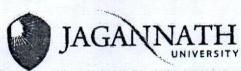
PAN NO:-BZDPR1366M

Shankar Lal Raigar

Address:- Gram Sawaliya Th. Chaksu, Jaipur

for enstallation of

Date: 20/11/19 @ 29418 C4/54/1 ×1130 -(2) of a 4222 245 c12000 1130 saff C 100 - 113000/-4242 you 245 dall (15 X1.5) C100 X551-25 - 55125) (9) Alore 2000 2000 (350 जारी यो कीर (तारवारी) उस्पद्म ९२३५० delil 112 735 ff 058/kg 4184 8° PVC 1870/mught DCB ahl? (24415 /2) 2019 3719 Note: STP Souls Bounday & fencing work. Jagannath University unipus, Jaipur inward/Outward 2 0 NOV 2019 5 No 885 15/11/19/07 POB 37 6200 L Certified True Copy



(ESTABLISHED UNDER SECTION 2(f) OF UGC ACT, 1956) University Campus: Village Rampura, Tehsil Chaksu, Jaipur Ph.: 0141-3020500-555, 4071551-552 Fax No. 0141-3020538

CASH / BANK / JOURNAL VOUCHER

Date: 21-11-19

PARTICULARS	CODE	Rs. P.		CREDIT Rs.		
Repair & Maints BH		1	180,000			I
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for						1
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Prepared By

Received by

· Acounts Office JAGANATH UNIVERSITY JAIPUR

Authorised Signatory

Certified True Copy

Jagan Nath U

JUMAN WATER TECH ISO 9001-20 QUOIT Advance - man -15%. For STP W Date - 29.12.2020 Quote to . INIT Chaksu & Name - Bhawani Singh Bank : Bank of Basoda Description IFSC ! BOOK ON THE Amoun BARRODEOLIX Sand 16-32 900 Kg 19806 National Carbon Alero :- 09310100006872 Tom 500 Kg Complete Air Blower Servicing with Bearing and, oil 17200 7.1.100 changing 20000 1-MS Pipe 2.5 Inch Pipe with fitting charge, maintenance work 25 Mtr 680 17000 PAN'NO: ANPPS 8638C Butterfly Valve 2.5 Inch. 22206 155411 Electrical Panel Work with new MCB, Confactor and Relay 14500 14500 Hork. Loading Unloading charge for media changing 1 18000 18000 Submersible pump 20 meter head Make Kirloskar, Wilo 21250 21250 with electrical panel 1 PMC piping Work for sludge transfer pump header 1 9700 071111 Fright charge for Material Delivery Work 9500 177690 Total 177690 -29000 Amount 157690/- Pending

Terms and Conditions -

- 1. G5T 18% Extra.
- De'ivery at Site.

3. 50 % Payment before start the work 50% after homplete the work,

4. If any system found damage during checklys, then replacement and repairing will be chargeable. JAGANATH UNIVERSIT

On call service, in case of emergency will be charge free of cost.

Guarantee for one year.

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ddress - A 405, A Block, Surya Residency, Gandhi Path West, Jaipur, Rajasthan

Par