

PROPOSAL

FOR

Sewage Treatment Plant

150 m³/day

For
Domestic Effluent
October 04, 2012

Submitted by:

M/S BHUMI ASSOCIATES

Office No. 06 First Floor, Mehra Chambers,
Plot No. 02 CIDCO N-1 Jalgaon Road,
Aurangabad - 431 201 MS India
Ph : +91-9881157303

E Mail : nbd19692004@yash.co.co.in



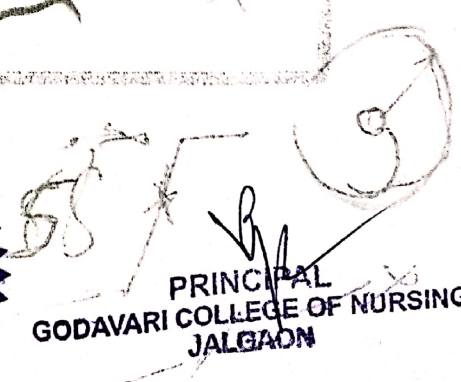
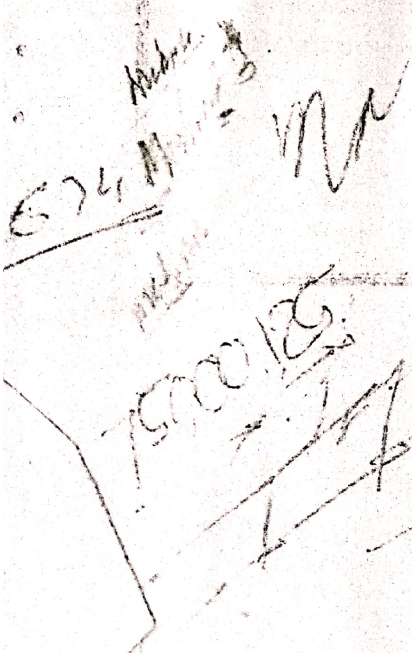
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JALGAON

0257 - 2223786
Aurangabad

Handwritten notes:
9730453823
999361985
22

Handwritten notes:
old - 12
5.2007
12/12/2012

Handwritten calculations:
Angle = 40...
S.T.P. components
35 mms of 9...
= 315 TL
= 18 mms
16 1/2 tube = 2 x 1
= 24 ft
= 12 mms



1.0 INTRODUCTION

Domestic Effluent having moderate Value of COD / BOD and can be reused after Proper Treatment , STP Scheme Offered by **BHUMI ASSOCIATES** provides higher treatment efficiency and is considered the best available amongst all.

2.0 DESIGN DATA & PERFORMANCE PROJECTIONS for STP

This Wastewater Treatment plant will be Designed for following parameters & shall perform as under upon reaching steady state of its operation Space Available for Proposed Sewage Treatment Plant : 5 x 5 Meters. After dismantling and Shifting of Existing STP.

PARAMETER	INFLUENT WASTEWATER	AFTER TREATMENT
Flow (m ³ /Day)	150	150
PH (S U)	6.5 - 7.5	Within MPCB Limit
BOD (mg/l)	150 To 200	Less than 30
COD (mg/l)	500 To 600	Less than 50
Temperature	32° C	32 ± 2° C

All other Parameter's with in MPCB Limit

PROCESS DESCRIPTION : Over Flow of Raw effluent from the Existing Septic Tank will taken in to Intermediate Effluent Storage Tank. V- Notch will be Installed on the Way for Quantity Measurement. This is a Mechanical Device Required no Maintenance for Long Period.

Note : Entire Civil work will be done by client as per design given by M/s Bhumi Associates

Sr. No.	Treatment Unit	Volume/ Area	MOC	Scope of Work
X 01	V - Notch cum Screen Chambers	Size 2 x 1.0 x 1.0 Met From Septic Tank to Raw Effluent Storage Tank - 01 Nos.	V - Plate ,Flow Chart Sheet, Brick Work with Plaster	Client Scope 0.15 Lacs
✓ 02	Raw Effluent Storage Tank Capacity 100 KL 154	Capacity 105 KL Size 7x5 x 3 Meters	Partially Underground Tank with PP Sheet and Side Stone / Brick Wall	Client Scope
03	Sewage feed pumps / pumps for primary tube settler - 2 nos.	Capacity 10 M3/H, H.P. Meter	1 HP Kirloskar Make SPO Out Let butter Fly Valves Pipe Line	Bhumi Associates 0.75 Lacs



	Aeration Tank Capacity 144 KL	L 6 x W 6 x H 4 Met. Total Volume 144 m ³	RCC tank	Bhumi Associates Annexure - 2
06	Surface Aerator	Power 5 HP RPM 1425 Motor with Gear Box and FAN	Gear Box ELGI / Premium	Bhumi Associates 1.25 Lacs
07	Clarifier Unit or Capacity 32 KL	L 3 x W 3 x H 3 Met. Total Volume 27 m ³	Round Tank with conical slope and feed well and Scraper Mechanism	Bhumi Associates Annexure - 3 1.50 Lacs
	Sludge Recirculation Pump - 2 Nos.	Capacity 10 M ³ /H, Head 5 Meter RPM 2800	1 HP Kirloskar Make Body CI Inlet Out Let Butter Fly Valves	Bhumi Associates 0.75 Lacs
09	Intermediate Storage Tank	Capacity 5 KL .Over Flow of Clarifier will be taken in this tank	Sintex Tank & <u>with Level Control Switch</u>	Bhumi Associates 0.20 Lacs
10	Dosing Pump	Standard 2 Nos.	Sintex Tank & Dosing Pump	Bhumi Associates 0.40 Lacs
11	Sludge Drying Beds	L 3 x W 2 x H 2 Met.	Brick Work with filtration media Two numbers bed with media of 12 KL	Client Scope
12	Filter Pump or Effluent Transfer Pump - 2 Nos.	From Intermediate Storage Tank to Final Eff. Storage Tank Capacity 10m ³ /H Head 10 Mtr. Rpm 2800 HP 3 through Sand & Carbon Filter	3 HP Kirloskar Make Body CI Inlet Out Let Butter Fly Valves, Pipe Lines	Bhumi Associates 1.05 Lacs
13	Sand Filter	7 KLPH	MS / FRP - 3072 With Multiport Valve and Other	Bhumi Associates Annexure - 5 1.25 Lacs
	Chlorine Dosing System - 2 Nos.	Out Let Line	Standard Dosing Pump Tank etc.	Bhumi Associates 0.50 Lacs
	Flanges Valves Wedges Nut Bolt etc.	As Actual	MS B-Class	Bhumi Associates 0.75 Lacs
16	Ladder, Walk Way	As Actual	Standard	Bhumi

3.1583.85
 0.5 + 3.5
 4.0
 2.15 - 910.
 31.9 x 9.9 = 4



	to Connect ETP / STP Plant Paint etc			Associates 1.20 Lacs.
17	Electrical	Panel Board , Cables Starters etc.	Standard	Bhumi Associates 0.75 Lacs
18	Supervision Commissioning Visiting Charges	Actual	Actual	0.50 Lacs

ANNEXURE'S

No.	Equipment Description	Qty
1	Equalizations Tank : Concrete Tank	1 Nos.
2	Aeration Tank : MOC Concrete 100 KL Tank for air distribution diffusers size (Dia 90 mm x 1000 mm Long) will be Used (Membrane : FEPDM Non Clog Type. or) to Enhance Performance. Over Flow of the Tank will be taken in the Clarifier through Launder.	1 Nos.
3	Clarifier : Concrete Square and Conical at the Bottom with Drain Valve.	1 Nos.
4	Sludge Drying Beds : Two Nos. of Sludge Beds will be Constructed size 2 Met. Long and 1.5 Met Width the Filtrate of the Beds will be Transferred in to Septic tank.	2 Nos.
5	Sand Filter : FRP - 3672 Dia 600 mm & Height 1800 mm Pipe Line & Valve Size 40 mm Each Quantity of Filter Media 400 Kgs Quartz with Multiport Valve .	1 No.



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4.0 PRICE

Our Price for the proposed Scope of Work for Wastewater Treatment Plant shall be as under. Price quoted is ex - Aurangabad / Works.

Sr.	Item	PRICE (Rs. Lac)		Client Scope
		Bhumi Ass	Breakup	
1	Civil Work Design for tanks and pump foundation Construction Drying Beds Construction Tank Foundations. Pump Foundation Pillars for I- Beam Aeration tank construction.	Rs.11.00 Lacs	1.0 Lacs	Client
2	Detailed Eng. Drawing & Specifications Operation Manual Technical know how		0.50 Lacs	-----
3	Supply Critical & non critical Mechanical Equipments,, Aeration Tanks Diffuser, Dosing Pumps Sand Filter with Multiport Valve Clarifier Gear Box and Motor with Scrapper , Pumps Blower panel board		08.50Lacs	-----
4	Supervision of fabrication ,,erection , testing by skilled site engineers, Expert Visit till Erection for 2 Month and 01 Month after Stabilization of Plant.		0.50 Lacs	-----
5	Monkey Ladder Walk Way Fabrication [Procurement , erection & Fabrication].		0.50 Lacs	-----
6	Taxes & Duties			At Actuals
TOTAL PRICE (Rs. Eleven Lacs Only)		Rs. 11.00 Lacs		

3.0 PAYMENT TERMS:

1	40 %	Advance along with the purchase order
2	40 %	On Dispatch of Equipments against Documents
3	10 %	On physical completion of the plant before commissioning
4	10 %	On commissioning of the plant



The Equipments will be ready within 45 Days after handing over PO + Advance plants shall be ready for commissioning Immediately after Completion of civil work.

5.00 WARANTEE

The equipments supplied by us shall be warranted for 12 month's from the date of installation / Eighteen Months from date of supply, whichever is earlier, for any manufacturing defect. However defects arise due to mishandling incorrect operation, wear & tear shall be entertained with reasonable charge.

6.00 VALIDITY

Our offer is valid for 30 days, from the date of submission of offer.

7.00 Fright

To Pay Basis

Hope the Above Offer is In Line with your Requirement Kindly Oblige us by Issuing PO at the Earliest.

Regards,

Nitin Deshmukh
M/s Bhumi Associates
Surangabad

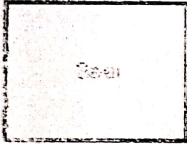

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Vendor Bank Details Form

Sr.No	Vender Details	
1	Vender Code	
2	Vender Name	M/s Bhumi Associates
3	Vender Address	Block No 06 1st Floor Mehra Chambers Plot No. 02 N-1 CIDCO JalGaon Road Aurangabad - 431001
4	PAN No.	ADIPD9418N
5	Service Tax Registration No.	ADIPD9418NSD001
6	VAT (Value Added Tax) Registration No.	27320832905v Dated 07-05-2011
7	CST (Central Sales Tax) Registraion No.	27320832905

Sr.No	Bank Details	
1	Name	HDFC Bank Ltd.
2	Bank A/c No	Current A/c No. 01132020002312
3	Account type	Current Account
4	IFSC Code	HDFC 0000113
5	Bank Name	HDFC Bank Ltd.
6	Bank Branch	Shivani Chambers Jalna Road
7	City	Aurangabad
8	Mobil No	9881157303
9	E-Mail ID	nbd19692004@yahoo.co.in
10	Name of contact person	N.B.Deshmukh



For *Please put stamp here*

Authorized Signatory

Authorized Signatory


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