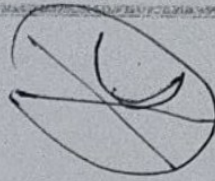


4/1  
L.R. 10

**PROPOSAL**



FOR

**Sewage Treatment Plant**  
150 m<sup>3</sup>/day

9090861836  
SIP 9/11

For  
Domestic Effluent  
October 04, 2012

22  
Angle 40 x 40  
S.T.P. Company  
35 Nos. of 90

Submitted by:

= 315 Ft  
= 18 Nos

197  
9. Tube - 2 x 1  
- 240 ft  
= 12 Nos.

**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@yakt.co.in

674 Mehra  
Mehra

MN

75000/125

94222

15000

9767228458

0257 - 2223786  
Auranga Roadlines





## 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 Demantling and Shifting of Existing STP.

PARAMETER	INFLUENT WASTEWATER	AFTER TREATMENT
Flow (m <sup>3</sup> /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
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 <del>100</del> KL 154	Capacity 105 KL Size 7x <del>5</del> 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, Head 5 Meter RPM 2800	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 <sup>3</sup>	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 <sup>3</sup>	Round Tank with conical slope and feed well and Scraper Mechanism	Bhumi Associates Annexure - 3 1.50 Lacs	
08	Sludge Recirculation Pump - 2 Nos.	Capacity 10 M <sup>3</sup> /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 & with Level Control Switch	Bhumi Associates 0.20 Lacs	
10	Dosing Pump	Standard 2 Nos.	Sintex Tank & Dosing Pump	Bhumi Associates 0.40 Lacs	X
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 <sup>3</sup> /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	X
	Pipe Lines Valves Flanges Nut Bolt etc.	At Actual	MS B-Class	Bhumi Associates 0.75 Lacs	✓
16	Ladder, Walk Way	At Actual	Standard	Bhumi	

3.158.3.15  
 6573.5  
 26910.16  
 31.9 x 9.9 = 5

710.



15	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	<b>Equalizations Tank</b> : Concrete Tank	1 Nos.
2	<b>Aeration Tank</b> : 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	<b>Clarifier</b> : Concrete Square and Conical at the Bottom with Drain Valve.	1 Nos.
4	<b>Sludge Drying Beds</b> : 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	<b>Sand Filter</b> : 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.



#### 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 Scraper , 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,

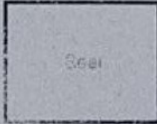
Nitin Deshmukh  
M/s Bhumi Associates  
Aurangabad



**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	<b>Current A/c No. 01132020002312</b>
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