

NAIKENVIRO

The Heart-N-Science of Environmental Engineering

The NAIKENVIRO ECO-BIOPACK

A Patented Technology

Developed by

Dr. Shirish Naik

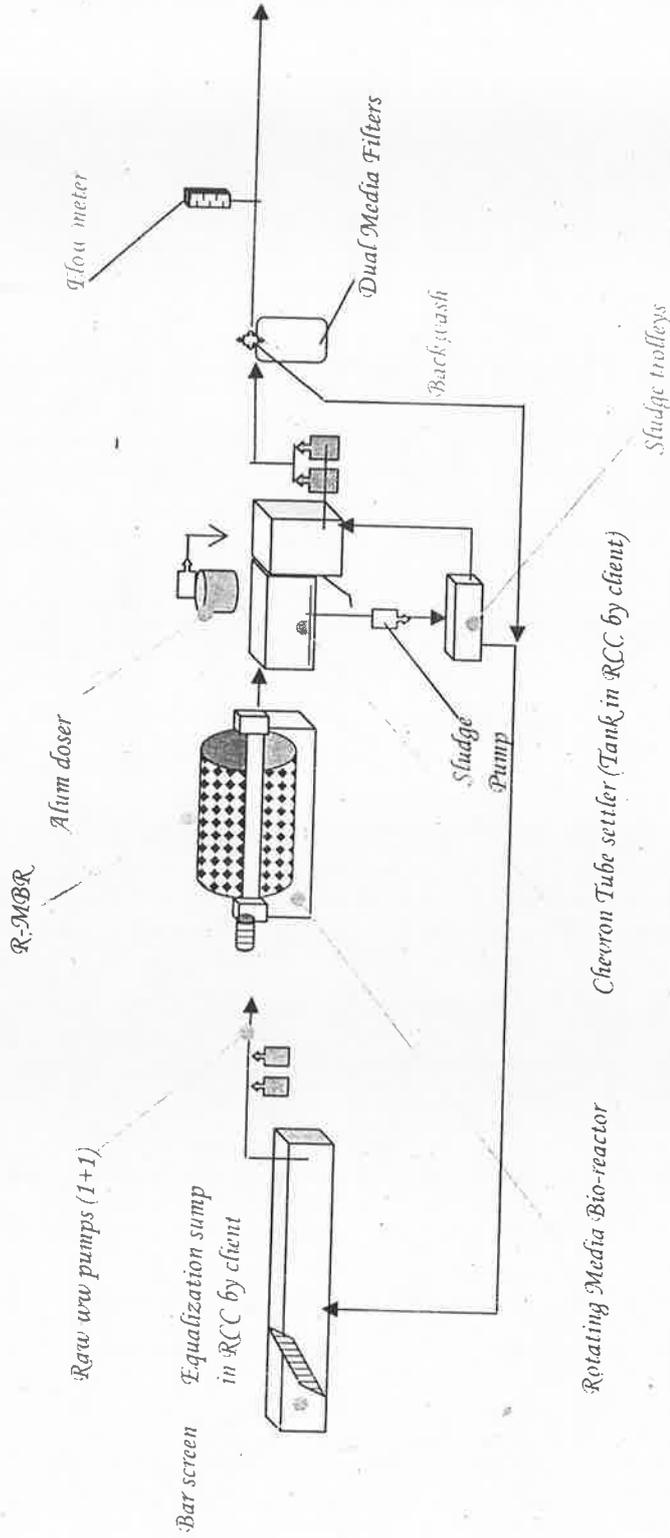
Chief Mentor, Naik Environmental Engineers Pvt.Ltd.

Ex Faculty, Indian Institute of Technology, Powai, Mumbai

Member-Indian Green Building Council (IGBC), Member-IIWWA, Honoured

as "Great Mind of the 21st Century" by American Bibliographic Institute for significant accomplishments and mastery of Waste Management Systems;

Included in International Whos Who, Madisons Whos Who and Emerald Whos Who; Awardee of Patent on Compact Wastewater Recycling System



ECOBIOPACK

Process flow diagram

NAIK ENVIRONMENTAL ENGINEERS Pvt. Ltd.

Corporate office:

A888, NAIKENMIRO House, Parkview
Kopar Khaima, Navi Mumbai - 400705
Tel: 27780811, 27782154, 9789416911 (cell)

Business Development office:

C146-147, Antop Hill Warehousing Compound
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WEBSITE: www.naikenviro.co.in

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NAIK ENVIRONMENTAL ENGINEERS Pvt. Ltd.

Corporate office: A686, NAIKENVIRO House, PavaneIndl. Area, Khairne, Navi Mumbai 400705
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Business Development office: C146-147, Antop Hill Warehousing Compound, Antop Hill, Wadala E Mumbai
EMAIL: naikenviro@gmail.com, marketing@naikenviro.co.in; WEBSITE: www.naikenviro.com

Sub: NAIKENVIRO Package Wastewater Treatment Plant ECO-BIOPACK

Gentlemen,

Thank you for giving us this opportunity to offer you our compact Sewage Recycling plant. We are pleased to inform you that we constantly upgrade our technology to be many a step ahead of the times and to be comfortably complaint with the stricter standards for treated water as in force at present.

ECOBIOPACK minimizes the use of chemicals like alum and Sodium Hypochlorite. The plant operates almost unmanned and can be remotely observed through cameras installed at the plant. This latest innovation gives you tremendous savings in manpower, chemical costs and also the cost of maintenance. Unique features of the ECOBIOPACK-UF are far ahead of any other sewage recycling technology in the international market:

The ECOBIOPACK comes in 3 Models for various capacities ranging from 25 cum/day upwards—the Economy, Standard and Advanced Models depending on the final use of treated water. The model suggested for the present application is the STANDARD Model.

Apart being many levels ahead of the SAFF, FAB, MBBR and SBR, the EOBIOPACK-Advanced Version is an attached growth analog of the Membrane Bio Reactor (MBR), but far more advanced than the MBR and is superior in terms of power consumption, footprint, membrane life, civil work, CAPEX as well.

- The only patented sewage treatment system on Rotating Media Biological systems in India
- Very small footprint – saves space
- Very low power input—saves power and earns LEED ratings for Green Buildings
- Very low sound levels—only 10-15 dB above ambient—operates silently
- Very effective odour control system
- Minimal civil works—very low overall CAPEX
- No chemicals needed for the advanced model—eco friendly and low OPEX
- Automatic operation (for Advanced Model)—human interface minimal—30 minutes per day in all
- Spares widely available

We look forward to meeting you to take our proposal further and would be pleased to arrange your visit to our installations.

Should you need any further information, please do get in touch with us at your convenience.

Best Regards,
Naik Environmental Engineers Pvt. Ltd

SYSTEM SERIES NAIKENVIRO ECOBIOPACK PACKAGED WASTEWATER TREATMENT MODULE

Cuts Wastewater treatment costs by using the intensified package concept, drastically reduces space requirements, runs with a very low power input and above all produces a sparkling, clear treated effluent free from any trace of odour.

Wastewater treatment systems in the Series ECOBIOPACK biochemical oxidation use an attached growth aerobic biological system which is a soundless unit which takes up atmospheric oxygen without any splashing and spraying of wastewater unlike aeration systems. The effluent, which is then clarified, meets the most stringent standards with the greatest of ease. The entire system is a complete packaged and containerized assembly mounted on a "skid" type base. The system produces very little sludge— and that too in a completely mineralized form convertible into garden compost.

SYSTEM ECO-BIO-PACK – How the system works

1. Raw wastewater passes through a bar screen and is collected in a Raw Sewage tank provided by the owner and pumped at a steady rate into the ECO-BIO-PACK. The wastewater flows through the rotating media bioreactor where organic matter in the wastewater comes into intimate contact with a very large area of a rotating bio-film residing on synthetic media. The media has a very high specific surface and hence supports a very high microbial population.
2. Aeration is achieved by rapid surface renewal of thin films of wastewater. As the film grows in thickness it sloughs off and a new film takes its place. This is a far superior and energy efficient system compared with bubbled aeration processes such as FAB, SAFF, MBR, MBBR etc.
3. The effluent from RMBR flows through a settler in which sloughed biological solids settle to the bottom of the tank in quiescent conditions while clarified water flows out on a continuous basis. Settled sludge is discharged on a periodic basis into a suspended bag sludge dewatering system. Here water from the wet sludge drips out and flows back into the raw wastewater tank. Dewatered humus is an excellent soil conditioner and is therefore a valuable by-product of the system.
4. Humus from the sludge bags is very small in quantity -typically 0.05 litres per cubic metre of wastewater treated. This is suitable for direct use in the garden after blending with soil and shredded dry garden residues.
5. In the Economy Model clear water from the biofilm separator is directly used for gardening after treatment with Sodium Hypochlorite is used for gardening or disposed off to the drain.

6. In the Standard Model, clear water is polished by pumping it through a Dual Media Filter containing Activated Carbon. Filtered water is disinfected using an Ultra Violet disinfection unit or an ozonator before utilization for toilet flushing or gardening or any designated use subject to our acceptance.
7. In the Advanced model, the filtered water is pumped through a cartridge filter and an Ultra filtration system for further polishing. No further disinfection is needed. The Membrane pack is automatically back-flushed with air and water pulses for 30 seconds every half an hour or as defined by the user thereby keeping the membranes clean.
8. A V notch type flow meter is provided for the Economy Model, a bypass Orifice type Rotameter for the Standard Model and a Magnetic flow meter with integrator for the Advanced version.
9. Advanced models are fitted with 2 cameras and a Digital Video recorder. (Remote observation is possible with a desktop with broad band net connection—not in scope)
10. The entire operation is extremely simple and the system once stabilized, can be left to itself with very little human intervention. A Control panel and microprocessor takes care of the operation of the plant.

Note: The above features are built into our design. However, the functioning and life of the plant depends on proper operation maintenance inputs of the Buyer. We do not take any guarantee for the plant if operation and maintenance are not as per our operation and maintenance instructions. Note the difference in features between Economy, Standard and Advanced Models.

Features & Advantages

- The only patented sewage treatment system in India
- Very small footprint – saves space
- Very low power input—saves power and earns LEED ratings for Green Buildings
- Very low sound levels—only 10-15 dB—operates silently
- Very effective odour control system
- Minimal civil works—very low overall CAPEX
- No chemicals needed for the latest version of advanced models—eco friendly and low OPEX
- Automatic operation for the Advanced Model—human interface minimal
- Spares widely available
- Camera Surveillance system for Advanced Models
- CIVIL WORKS : IN CLIENT'S SCOPE
- One RCC tank with 3 compartments
- Volume of tank in cum = capacity of plant in cmd divided by 2

Eg. For a 200 cmd plant, the overall tank volume is $200/2 = 100$ cum.

SCOPE

		By NaikEnviro	By client
A MECHANICAL			
1	Treatment equipment	Yes	No
2	Bought-out equipment (pumps etc)	Yes	No
3	Piping within plant boundary	Yes	No
4	Piping outside plant boundary	No	Yes
5	Bar screen rack	Yes	No
B ELECTRICAL			
1	Power supply cable to panel	No	Yes
2	Control Panel	Yes	No
3	Cabling from panel to motors	Yes	No
4	Earthing Pit	No	Yes
5	Voltage stabilizer if needed	No	Yes
C TANKS AND FOUNDATIONS			
1	Site preparation	No	Yes
2	Foundation pad for prefab plant	No	Yes
3	Raw wastewater tank	No	Yes
4	Treatment Tanks	Yes	No
5	Treated water tank	No	Yes
D STATUTORY APPROVALS			
1	Building permits/NOCs	No	Yes
2	Technical backup for Pollution Control Board approvals	Yes	No
3	Liaison expenses	No	Yes
4	Statutory fees	No	Yes

1.0 OVERRIDING CONDITION

Terms and conditions stipulated by the Purchaser are not binding on us unless accepted by us in writing

2.0 OVERALL SCOPE

Transport/ shipment, Octroi, entry tax, import duty in Destination country, for and other duties/taxes /levies shall be paid to us at actual (material will be sent by your registered transporter on freight to pay basis.)

Chemicals and power to be provided by you.

3.0 PAYMENT

50% advance with order

***50% against proforma invoice on inspection at our works
(Plant will be delivered on receipt of full payment)***

2.5% interest per month shall be paid to us by you on delayed payments

If effluent of the specified characteristics is not available within two weeks of installation in sufficient quantity to prove the performance of the plant, the Purchaser shall release the final payment. In such an eventuality, commissioning of the plant will be taken up by the Seller as and when the effluent becomes available. In case the idling period of the plant due to non-availability of effluent exceeds one month, cost of repairs/ overhauling of equipment etc. shall be paid for at actual by the Purchaser.

4.0 VALIDITY of offer: 30 days

5.0 WARRANTIES

Warranty certificates will be furnished from respective manufacturers for all the bought out equipment/material. All the equipment / system supplied shall be under warranty for a period of 12 months from the date of commissioning or 18 months from the date delivery whichever expires earlier. Any equipment/ system subjected to normal use, if found defective during warranty period will be repaired/ replaced at our option at our works and the cost of delivery, cost of retrieval and re-installation shall be borne by the Purchaser. The warrantee does not cover failure or damage due to negligence, accident, abuse, improper, operation or abnormal conditions of temperature, moisture, dirt or corrosive matter shall not be covered under warrantee. Equipment which have been in any way tampered with or repaired, altered by any one other than our authorized representative, shall also not be covered under warranty. Our liability on warranty shall not in any event exceed cost of correcting defects or replacement with good equipment. Warranty is applicable only if written notice of any such defects is promptly given to Naik Environmental Engineers Pvt. Ltd. and provided it is established that the equipment was being operated, maintained as stipulated in the operation and maintenance manual.

6.0 DELIVERY, INSTALLATION & COMMISSIONING.

The delivery period specified by us shall be counted from the date of receipt of the technically and commercially acceptable order along with the advance payment. The delivery period stated, is given as carefully as possible and every effort will be made to adhere thereto subject to FORCE MAJEURE CLAUSE. The same is mentioned in good faith and is without any commitment on our part, NO claim for direct/indirect damages occasioned through late delivery will be entertained by us. We reserve the right to make deliveries in installments, all such

deliveries will be separately invoiced and shall be paid for when due per invoice without regard to subsequent delivery. Delays in payment beyond 7 days from date of Purchaser's receipt of Seller's invoice may lead to suspensions/delays in subsequent deliveries. The Installation of the plant shall be commenced by us only after all payments due against supply of the plant are made by you. All necessary local assistance such as crane for unloading and placement of the plant on foundation etc. shall be provided by you at your cost. Accommodation for our engineers/ supervisors and technicians shall be provided by you along with canteen / mess facilities free of cost. On satisfactory completion of installation and dry runs, you shall certify that the same has been carried out as per your order. Commissioning shall be started by us only after all payments due till that stage are received by us and a satisfactory installation certificate is given by you. Commissioning shall be carried out by us with the help of your operators under the guidance of our engineer/supervisor. Our supervision shall be provided only during the day shift. We may, at our discretion extend this to the night shift. The commissioning phase shall be utilized as a hands-on training. The plant shall be taken over by you on completion of commissioning. A satisfactory commissioning certificate shall be issued by you on our demonstration that the plant meets the performance criteria stipulated in our offer. Performance shall be assessed as follows: 8 hour composite samples shall be drawn and tested by our chemist at your laboratory. In case you do not have the facilities for testing, the same shall be set up by you well before the commissioning phase. We may if possible, send our instruments/ test kits to the site. In such a case, performance shall be assessed using these instruments/ kits. No third party testing except that done by the State Pollution Control Board laboratory shall be acceptable.

- The plant shall be deemed to have been successfully commissioned when three consecutive test reports meet the criteria stipulated in this offer. Our guarantee on output parameters shall not be valid if one or more of the following conditions are observed by us:

- Any one or more of the raw effluent parameters exceeding the limits specified.

- In case of industrial ETPs any changes in raw materials or manufacturing process have taken place with respect to those specified on the date of our offer. If such changes have occurred, our performance guarantee shall not be valid even if the raw effluent parameters are within the stipulated limits.

- Specified Treatment chemicals and cultures are not made available at any period during the commissioning or their quality is not as per our specifications. If treatment chemicals are in our scope of supply, and these are not ordered well in advance and payments due are not released as per agreed terms.

- Electric power is erratic and power shutdowns or failures are more frequent than twice per day OR any one of these shutdowns persists in excess of one hour duration.

- Occurrence of Voltage or frequency fluctuations exceeding +/- 5% of that specified by us is more frequent than twice per day OR any one of these fluctuations persist in excess of one hour duration.

- Operators are not made available or are erratic in their attendance or do not comply with operation and maintenance instructions in our manual or instructions of our supervisor.

If any of the above conditions are observed by us we reserve the right to suspend the commissioning of the plant and you shall make complete payment of the amount due against commissioning.

- Performance bank guarantees given by us shall necessarily incorporate the above clauses.
- The PERIOD quoted for installation and commissioning is from date of receipt of all payments due up to the supply stage. In case installation and commissioning gets delayed due to delayed payments or any violations as enumerated above or due to no fault of ours, you shall compensate us at the rate of Rs 3000/- per day (applicable for contracts in India) for the remaining period of commissioning.

INSTALLATION AND COMMISSIONING FOR SITES OUT OF INDIA

Installation and commissioning for plants exported from India shall be done by the Buyer as per the Seller's Manual . Extra charges of US\$ 500/- per day per supervisor deputed by Seller shall be applicable. Travel days too shall be compensated for at above rate. All costs of air and land travel , accommodation, medical insurance, visa charges etc shall be borne by the seller

DELAY IN COMPLETION

If the completion of work is delayed beyond the contractual date for reasons under your control as listed out hereunder and above but not limited to them we shall be entitled to suitable readjustment in the period of completion, by mutual consent and the contract will stand amended to that extent:

Delay in approval of final drawings beyond a period of 7 days from the date of submission by us.

- Delay in completion of civil works or in handing over site free of hindrances and as per our specifications
- Delay in inspection beyond the appointed date or delay in approval of test certificates, wherever required, beyond a period of 7 days from the date of submission by us
- Delay in release of dispatch clearance or hold up of work due to your specific instructions or lack of instruction.
- Delay in release of advance or progress payments due to us beyond 7 days from the due date,
- Delay, attributable to Force Majeure conditions, more particularly detailed under appropriate clause hereunder.
- Delay due to power supply problems, inadequate stock of chemicals and cultures and other problems listed above.

7.1 FORCE MAJEURE

In all cases where a time schedule for dispatch, delivery erection or completion has been specified, the time for all these shall be extended by reasonable period if the delay is caused by lack of instruction from the Purchaser or any industrial disputes, war, strikes, lockout, fire, accident, defective materials, approval of drawings, statutory restriction or any causes whatsoever beyond our and our Suppliers'/subcontractors' reasonable control. No liability will be acceptable due to above reasons.

8.0 LIABILITY

In no case we will be liable for loss of anticipated profits as well as consequential damages, loss by reason of plant shutdown, non-operation, or increased cost of operation, or another consequential loss or damage of any nature. In other words, our liability under the contract shall be solely restricted to the framework of our performance guarantee subject to all conditions stipulated therein.

9.0 DRAWINGS, DESIGNS AND PATTERNS

All specifications, drawings, designs, data information, ideas methods conceived, developed or acquired, incidental or produced and /or carried out, shall be the sole property of NAIK ENVIRONMENTAL ENGINEERS PVT. LTD. and shall not be used by the Purchaser or any other Party associated with the Purchaser for any other project. Unless otherwise agreed drawings are not subject to Purchaser's approval. All Specifications are subject to changes during detail Engineering.

Unless formally agreed, soft copies, tracings and reproducible drawings are not provided and M/s Naik Environmental Engineers Pvt. Ltd. reserves the rights to photograph its installed equipment/ systems for record and publicity purpose with Purchaser's prior consent.

10.0 DOCUMENTATION

Unless otherwise agreed mutually in writing, only two copies of foundation/Layout/general arrangement drawings, P& I diagrams, operation and maintenance manuals will be provided free of cost.

11.0 INSPECTION

If desired, necessary visual inspection may be carried out by the Purchaser or his authorized representative at Purchaser's cost at our works/ godown/ subcontractor's works before dispatch. Intention of the Purchaser to inspect any equipments / systems must be specified by the Purchaser so as to be properly taken care of in the Purchase Order clause. Wet or dry tests will be charged for as an extra item.

12.0 CONSENTS FROM STATE POLLUTION CONTROL BOARD OR ENVIRONMENT DEPARTMENT

Approvals or consents from the state Pollution Control Board or Department of environment, municipal authorities, industrial development corporations or safety inspectorate shall not be in our scope unless specified elsewhere in our quotation or formally agreed to by us. There may be a separate fee for this service.

13.0 ALTERATIONS TO EQUIPMENT SUPPLIED

Purchaser shall not make any repairs, alterations or replacement in regard to the equipment supplies without written authorization of M/s Naik Environmental Engineers Pvt. Ltd.

14.0 HANDING OVER

Unless otherwise specified in the order and accepted, handing over of the equipment and / or installation would be considered as completed and a formal completion certificate shall be issued by the purchaser/ user if:

- The material has been supplied as per the terms of scope of supply or with agreed deviations, if any.
Erection if involved has been completed generally as per the terms of order or with unavoidable deviations.
The equipment and /or installation have been put to commercial use either with or without the help of our engineer.

The Purchaser / user is expected to put the equipment to commercial use only after issuing a formal completion certificate. Our responsibility in term of warranty shall cease straightaway if the equipment is put into operation without formal taking over. Installation of equipment shall be started only after all payments dues against supply have been cleared by the Purchaser. Similarly, trial - run / commissioning as applicable shall be started only after payments due against erection have been made to the Seller.

15.0 TITLE

Until paid for in full the title to and right of possession of the equipment shall remain with M/s Naik Environmental Engineers Pvt. Ltd. who shall reserve the right to take repossession of the same in case any payment remains outstanding for more than 90 days from date of supply or 30 days from date of commissioning whichever is later.

16.0 CHANGES

Either party shall have the right to propose changes in the equipment to the party prior to manufacture / delivery but no changes shall be binding on either party until incorporated into an amended order to this agreement, accepted by both parties.

17.0 STORAGE

The Purchaser shall be responsible to protect the equipment against damage from weather or other causes and for any costs in connection with storage and reconditioning.

18.0 CANCELLATION

Purchaser may cancel the agreement at any time, but shall be liable for payment of all cost including overheads and losses incurred after that time, that cannot be avoided by Seller. The Seller's estimate in this regard shall be final and binding on the Purchaser.

19.0 JURISDICTION

FOR CONTRACTS IN INDIA

All question, disputes or differences arising under and out of or in connection with the contract, if concluded, shall be referred to sole arbitration by the arbitrator appointed under the provision of Indian Arbitration Act. All arbitration proceedings shall be held in Mumbai.

FOR EXPORTS OUT OF INDIA

All disputes arising out of or in connection with the present contract shall be submitted to the International Court of Arbitration of the International Chamber of Commerce and shall be finally settled under the Rules of Arbitration of the International Chamber of Commerce by one or more arbitrators appointed in accordance with the said Rules.

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ECOBIOPACK SPECIFICATIONS		
Input wastewater quantity		
Flow rate, cmd		125
Flow rate, cmh (avg)		5
Input wastewater characteristics		
pH		6.5 to 8
TSS, ppm		200
BOD, ppm		300
COD, ppm		600
Oil and Grease, ppm		50
Output wastewater characteristics		
pH		6.5 to 8
TSS, ppm		<10
BOD, ppm		<5
COD, ppm		<30
Oil and Grease, ppm		<5
1 Raw sewage pumps & Sump		
Type		Horizontal cfg non clog/ submersible
Make		Kirloskar/Wilo/Flochem/eq
Flow rate, cmh		6.0
Head, MWC		12
HP		1.0
RPM		1440
<u>Raw sewage sump (by client)</u>		
Retention time , hrs		8
Volume, cum		40
2 Bar Screen		
MOC		SS304
Size		250x250
3 Rotating media Bio Reactor		
No of units in parallel		1
Diameter, m		2
Drive type		Worm/helical
Make of gear box		Bonfiglioli/SEW/eq
Media MOC		Polypropylene
Bearings		self-aligning
Shaft		EN8
4 Secondary Settler (in RCC by client)		
Nos		One

	Retention time 4 hours	20 CUM
5	Filter Feed Sump	
	Volume, cum	3.0
	MOC	RCC
6	Alum Flocculation Channel (before secondary settler)	1 no
7	Filter feed Pumps	
	Type	Horizontal cfg non clog/ submersible
	Make	Kirloskar/Johnson
	Flow rate, cmh	6.0
	Head, MWC	25
	WHP	1.4
	RPM	1440
8	Dual Media Filter cum Activated Carbon Column	
	MOC	FRP
	Loading rate, cum/sqm/hr	10
	Number of filters	1
9	Sludge Management System	
	Sludge generation, Kg/day	36
	Wet sludge volume, cmd	14.4
	<i>Option A: Suspended Hydrophobic sludge filter</i>	
	Sludge cake volume, cmd	0.08
	Volume per bag, cum	0.1125
	Storage time, days	3
	Number of bags	3
	<i>Option B: filter Press (not in scope -- wll cost extra)</i>	
	Cake volume, cmd	0.08
	Cake thickness, mm	25
	Plate Area required, sqm (total)	3.4
	Type of pump	screw pump
10	Control Panel	
	Cabinet	18 gauge sheet metal with powder coating

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	Weather proof	Yes
	Components	Siemens
11	Interconnecting piping	PVC
12	Cables	4 core copper armored
13	Instrumentation	
	Level controls	for raw sewage pumps & filter feed pumps
	Flow meter	one no-- orifice type
	Pressure gauges	on pump manifolds
14	O&M Manuals	3 sets
15	Tool box	1 set
16	Essential spares for warrantee period	1 set
1	O&M costs (indicative only)	
1.1	<u>Power costs (based on power absorbed)</u>	HP
	Raw sewage pumps	1.0
	RMBR drive	2.0
	Sludge pump/s	1.0
	Filter feed pump	2.0
	Dosers	0.5
	Total	6.5
	Hours of operation(weighted average)	20
	Tariff, Rs/Kwhr	6.5
	Cost of power , Rs/day	232.75
	Cost of power Rs/cum treated	1.9
1.2	<u>Cost of chemicals</u>	
	<u>Alum</u>	
	Dose, ppm	50
	Kg/day	10
	Cost of PAC, Rs/day	16
	<u>Sodium Hypochlorite</u>	
	Dose, ppm	25
	Kg/day	8
	Cost of hypo. Rs/d	16
	Total cost of chemicals, Rs/day	32
	Cost of chemicals per cum treated	0.26

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1.3	<u>Total cost of operation Rs/day (chemicals+power)</u>	264
	Cost of operation Rs/cum treated	2.2
14	Man power per day for 8 hours shift [Auto-level operation]	6000
15	Space required /Foot prints SQM	24
16	Cost of the plant exclusive Taxes.	27,80,900/-



KRISHNA INSTITUTE OF ENGINEERING & TECHNOLOGY

13 KM STONE, GHAZIABAD-MEERUT ROAD, GHAZIABAD - 2010206(U.P.)

PURCHASE ORDER

Naik Environment Engineers. PVT. LTD.

SL No : KIET/PO/02156

A-686, Naik Enviro House
MIDC Khairne
Navi Mumbai, Maharastra

Date : 27-Dec-2013

With reference to your quotation number By Mail Dated 27-Dec-2013 we are pleased to place an order for the following material on the terms and conditions mentioned overleaf.

SNO	Description of Material	Unit	Qty	Unit Price	Dis%	Discount	Total	Department
1	SEWAGE TREATMENT PLANT (ROTATING MEDIA-REACTOR ON GERMAN BASED TECHNOLOGY WITH RBC PROCESS CAPICITY - 500 CMD ECOBIOPACK, STANDARD MODEL, MAKE NAIK TREATED WATER BOD <5 TREATED WATER TURBIDITY, NTU <5 AUTOMATIC OPERATION PUMP AUTOMATIC DE-SLUDGE SAND FILTER CARBON FILTER GAS EXHAUST SYSTEM HYPOCHLORITE DOSING SYSTEM ALUM DOSING SYSTEM)	Nos	1.0	6200000.00	0.00	0.00	6,200,000.00	college

Please acknowledge the receipt and ensure delivery on time.

Grand Total 6,200,000.00

Term & Condition:-

- All disputes are subject to Ghaziabad jurisdiction only.
- Inspection shall be carrying out at our premise and goods not as per specification shall be rejected.
- Rejected material shall be collected by the vainers with in 7 days falling which the same shall be despatched to you at your cost and risk.
- No responsibility shall be taken for the rejected material during storage at our end.
- All material shall accompany proper test certificate/warranty cards/operation manual etc wherever applicable(supply will not be considered complete without S.No. 5)

Taxes : Extra Paid Vide Ch. No. 223652

Freight : To Pay Dt. 20/12/13 of Rs. 124,000

Delivery : with in 2 months

Payment : 20% Adv., 50% against Del., 10% on instalation, 10% on commissioning, rest after 2 months running successfully

Guarantee/Warranty, if any : -

NAIK
27/12/13

Prepared by

Checked by

Authorized Signatory

A/c
All make a cheque
for 20% Adv. Agst.
above order
27/12/13



ING Vysya Bank Limited
 Ghaziabad Branch
 No. 30 & 31 Navyug Market, P.B. No. 75, Ghaziabad - 201010
 RTGS/NEFT/IFSCCode:VYSA0005080 FAX: 10-09-13 DDA

Payable at par at all Branches In India

30/12/2013
 D D M M Y Y Y Y

Pay NAIK ENVIRONMENT ENGINEERS PVT. LTD

or Bearer

रुपये Rupees Twelve Lac Forty Thousand Only

या धारक को

अदा करें ₹ 1240000/-

A/c No. CA : 508011003720
 खाता क्र.

For KRISHNA CHARITABLE SOCIETY

A/C PAYEE

[Signature]
 Authorised Signatory

Please sign above



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Krishna Institute Of Engineering & Technology

Approved by AICTE, Affiliated to Uttar Pradesh Technical University, Lucknow

(An ISO-9001 : 2008 Certified & 'A' Grade accredited Institution by NAAC)



No.KIET/ADMIN./MISC./2013

January 04, 2014

Dr. Shirish S. Naik
Naik Environmental Engineers (P) Ltd.
A-686, Naik Enviro House,
MIDC, Khairne, Navi Mumbai-400705.

**Sub: Issue of Purchase Order for Installation of Sewage Treatment Plant-
ECOBIOPACK-Standard Model for 500 CMD at our Institute campus.**

Dear Dr. Naik,

Please refer to your proposal for Sewage & Wastewater Treatment Plant i.e ECOBIOPACK Standard Model with capacity of 500 CMD for our institute and subsequently your visit to our institute for final discussion for the in month of November, 2013.

Please find enclosed herewith our Purchase order No.KIET/PO/02156 DT. 27-12-2013 alongwith 25% Advance payment vide cheque No.223052 issued in your favour.

Also find enclosed herewith copy of Layout Plans of our existing sewage treatment plant alongwith details of technical specification of civil work for the same as desired by you.

Kindly receipt and acknowledge the same.

Thanks & Regards


Dr. Manoj Goel
CAO-KIET Group of Institutions
9873294641/9873816173, manojgoel.1972@gmail.com



Synergy Waste Management (P) Ltd.

info@synergyworld.co.in, www.synergyworld.co.in

Tel. : 011- 27933371, 27933381, 27933382

CIN No. : U74999DL2005PTC283340

PAY VIA CHEQUE/NEFT
CASH NOT ACCEPTED

GZB-697

RENEWAL OF AGREEMENT

Synergy Seal

That the previous agreement executed on 01 Jan,2019, is renewed on 01 Jan,2020 and shall be valid only when endorsed through a SEAL of Synergy Waste Management (P) Ltd.

BETWEEN

M/s. Synergy Waste Management P. Ltd., having its Registered Office at 517-518, 5th Floor, D-Mall, Rohini West, New Delhi – 110085 and workplace at :

Subharati Medical College Campus, Subharati Puram, Meerut

AND

Krishna Institute Of Engineering & Technology (KIET) (Ghaziabad)
Address : 13 KM Stone, Ghaziabad Meerut Road Ghaziabad ,Uttar Pradesh 201206

Represented By -

Dr./Mr./Ms. DR. JAGANNATH SAHOO ,Designation _____, Contact No : 9873816171 , Email ID : sunil630@kiet.edu.

The terms & conditions of the existing agreement shall remain unchanged as mentioned in the initial agreement, except the service charges which shall be Rs. 2200.0 (RS.TWO THOUSAND TWO HUNDRED ONLY.) per month for University or Rs. NIL per bed per day having a declared bed strength of 00, subject to the condition of weight limit of 40.0 kg / month beyond which excess weight shall be charged @Rs. 30.0 per kg. That the above rates are exclusive of GST the same shall be charged extra as per then prevailing rates if becomes applicable.

This agreement shall remain valid for a period of 1 year w.e.f. 01 Jan,2020 to 31 Dec,2020.

That this agreement may be renewed further for the period and terms and conditions as agreed in between both of the parties hereto.

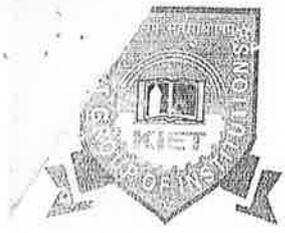
Authorized Signatory – Service Provider

Authorized Signatory – Waste Generator

Dr. Jagannath Sahoo, Ph. D. FIC (I)
Principal
KIET School of Pharmacy
Ghaziabad

KIET GROUP OF INSTITUTIONS, GHAZIABAD

13 KM STONE, GHAZIABAD-MEERUT ROAD, GHAZIABAD - 201206(U.P.)



To Synergy waste management

WORK ORDER

SL No : KIET/PO/08280

517-518, 5th floor
Sector 10 Rohini
Delhi

Date : 10-Feb-2020

With reference to your quotation by telephonic Dated 8.2.2020 we are pleased to place an order of the following material on the terms and conditions mentioned overleaf.

(Amc for Animal waste collection in Pharmacy Department)

SNO	Description of Material	Unit	Qty	Unit Price	Dis%	Discount	Tax%	Total	Department
1	CONTRACT FOR BIO MEDICAL WASTE DISPOSAL (SERVICE CHARGE FOR COLLECTION, TRASPORATION DISPOSAL OF BIO MEDICAL WASTE, SUBJECT TO THE CONDITION OF MAXIAMUM WEIGHT LIMIT OF 30 KG IN MONTH CHARGE RS 2200 PER MONTH)	Nos	12.0	2200.00	0.00	0.00	0.00	26,400.00	KSOP
2	EXTRA WEGHT LIMIT (EXTRA WEIGHT OVER RS. 30 PER KG (EXTRA WEIGHT 40 KG EXCEED IN CASE))	Nos	1.0	0.00	0.00	0.00	0.00	0.00	KSOP
								Grand Total	26,400.00

Please acknowledge the receipt and ensure delivery on time.

1 & Condition:-

- All disputes are subject to Ghaziabad jurisdiction only.
- Inspection shall be carrying out at our premise and goods not as per specification, shall be rejected.
- Rejected material shall be collected by the vendors with in 7 days falling which the same shall be despatched to you at your cost and risk.
- No responsibility shall be taken for the rejected material during storage at our end.
- All material shall accompany proper test certificate/warranty cards/operation manual etc wherever applicable(supply will not be considered complete without S. No. 5)

Taxes : Included

Freight : F.O.R.

Delivery : Witin 10 days

Payment : By Cheque

Guarantee/Warranty, if any : From 1 Jan 2020 to 31 Dec 2020

Prepared by

Checked by

Authorized Signatory
(Sh. Sunil Gupta)

Form-6
[See rule 19]

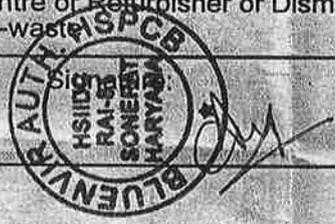
E-WASTE MANIFEST

1.	Sender's name and mailing address (including Phone No.)	KIET GROUP OF INSTITUTIONS Ghaziabad, U.P.
2.	Sender's authorisation No, if applicable.	N/A
3.	Manifest Document No.	02/16/2020/03 ABE/16/B/2020/03
4.	Transporter's name and address (including Phone No.)	RAM NIWAS
5.	Type of vehicle	(Truck or Tanker or Special Vehicle)
6.	Transporter/s registration No.	UP-14 AB 7459
7.	Vehicle registration No.	
	Receiver's name & address :	Bluenvir Plot No. 81A, Rai HSIIDC, Sonapat, Haryana-131029
9.	Receiver's authorisation No, if applicable.	HSPCB/SR/2018/5105 Dt-11/03/2019
10.	Description of E-Waste (Item, Weight/ Numbers) :	Desktop, UPS, TFT, CUP ETC.
11.	Name and stamp of Sender* (Manufacturer of Producer or Bulk Consumer or Collection Centre or Refurbisher of Dismantler): Signature:	Month Day Year 02 16 2020
12.	Transporter acknowledgement of receipt of E-Wastes	
	Name and stamp: Signature: Month Day Year	RAM Niwas 02 16 2020
13.	Receiver* (Collection Centre or Refurbisher or Dismantler or Recycler) certification of receipt of E-waste	
	Name and stamp: Signature: Month Day Year	02 16 2020

* As applicable

Note:-

Copy number with colour code (1)	Purpose (2)
Copy 1 (Yellow)	To be retained by the sender after taking signature on it from the transporter and other three copies will be carried by transporter.
Copy 2 (Pink)	To be retained by the receiver after signature of the transporter.
Copy 3 (Orange)	To be retained by the transporter after taking signature of the receiver.
Copy 4 (Green)	To be retained by the receiver with his/her signature to the sender



Recycling Certificate

Registration No. : HSPCB/SR/2018/5105

Certificate No.: ABE-B1620-020

Date Issue 27th FEB 2019

This is to certify that 1300KG of e-waste has been collected from KIET GROUP OF INSTITUTION

GHAZIABAD UTTAR PRADESH-20120 against manifest dated 16th.FEB.2020 which has been

recycled and disposed safely as per rules.

स्वच्छता सर्वेषाम्



Bluenvir

Authorized Signature



M/s. Bluenvir

Authorized by

Haryana State Pollution Control Board

