

PURCHASE DIVISION
Advice for approval for credit to supplier

(B) (M)

Date:	29/11/2021		Prepared by:	N. Shrawa	
PO/WO no.	79350		PO / WO Date.	4/8/2021	
Supplier Name	Water Vision Systems Pvt Ltd		PO/WO amount	13,93,680.3/-	
Firm/Company	G.N. Research Centre Pvt Ltd		Project	Ennopolis	
Sl. No.	Bill No.	Bill Date	Bill amount		
1	68	2/11/2021	13,93,680/-		
2					
3					
4					
Amount A – Bills total(Excluding Transport & Hamali Charges):				13,93,680/-	
Sl. No.	DC No	DC. Date	MRN No.	DC matches MRN	
1.	56	30/10/2021	98986	☒ Yes ☐ No	
2.				☐ Yes ☐ No	
3.				☐ Yes ☐ No	
Amount B – Other Credits : Transportation charges					
Amount C – Other Debits :					
Amount D (D=A+B-C) – Amount to be credited to the supplier:				13,93,680/-	
Amount E – PO / WO value:				13,93,680/-	
Amount F – Difference (A – E): GST-18%					
Quantity received as per PO /WO		☒ Yes ☐ Excess received ☐ Short received ☐ Other (explained below)			
Is difference between PO / Bill acceptable?		☐ Yes ☐ No (explained below)			
Excess / short material received		☐ Approved – within acceptable limits ☐ No (explained below)			
Close PO / W?O		☒ Yes ☐ No – wait for balance material ☐ No (explained below)			
Advance paid / PDC given (deduct when paying)		☐ Yes – Rs. /- ☒ No			
Payment – due date		6/12/2021			
Remarks: Final Bill					
Approved by	Purchase Officer	Purchase Manager	Procurement Manager	MD	Accounts Manager
Sign:				APPROVED BY 06 DEC 2021	
Date	29/11/2021	30/11/21		SOHAM MODI MANAGING DIRECTOR	

Notes: 1. In case amount to be credited to supplier and the bills total does not match prepare JV for debit or credit. 2. Attach additional sheets if quantity of bills or DCs is more than the space provided. Clearly mark the space provided with 'see attachment'. 3. Purchase Officer can approve Pos/Wos upto Rs. 10,000/-, Purchase Manager or Procurement Manager to approve all bills from 10,000/- to 1,00,000/- . 4. Attach JV, Office copy of PO/WO, DCs and bills to this advice. 5. In Amount A, exclude transport, Hamali charges, etc and instead include in Amount B. 6. To be approved by accounts manager if bill value exceeds Rs. 10,000/- 7. MD to approve all bills above 1,00,000/-

Tax Invoice

Watervision Systems Pvt Ltd. Off 303, Yogiraj Height, Opp Fun Time Cinema Adgaon Phata, Sinhgad Road Pune 411041 GSTIN/UIN: 27AABCW7180P1ZL State Name : Maharashtra, Code : 27 E-Mail : watervisionsystems@gmail.com		Invoice No. 68		Dated 2-Nov-2021	
Buyer GV RESEARCH CENTERS 5-4-187/3&4 II Nd Floor Soham Mansion, MG Road Secunderabad-500043 GSTIN/UIN : 36AAHCG4562D1ZP State Name : Telangana, Code : 36		Delivery Note		Mode/Terms of Payment	
		Supplier's Ref. 68		Other Reference(s)	
		Buyer's Order No. 79350/STP/69/21-22-R1		Dated 2-Nov-2021	
		Despatch Document No.		Delivery Note Date	
		Despatched through		Destination	
		Terms of Delivery			

SI	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	Supply Of STP STP WORK @ TELANGANA 100 KLD	84798999	1 job	11,81,085.00	job	11,81,085.00
	Output IGST 18%				18 %	2,12,595.00
Total			1 job			₹ 13,93,680.00

Amount Chargeable (in words) E. & O.E
Indian Rupees Thirteen Lakh Ninety Three Thousand Six Hundred Eighty Only

HSN/SAC	Taxable Value	Integrated Tax		Total Tax Amount
		Rate	Amount	
84798999	11,81,085.00	18%	2,12,595.00	2,12,595.00
Total			2,12,595.00	2,12,595.00

Tax Amount (in words) : **Indian Rupees Two Lakh Twelve Thousand Five Hundred Ninety Five Only**

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

Company's Bank Details
 Bank Name : **HDFC Bank**
 A/c No. : **50200015573721**
 Branch & IFS Code : **Hingne Khurd & HDFC0000825**
for Watervision Systems Pvt Ltd.

Authorized Signatory

This is a Computer Generated Invoice

INWARD	
Inward No: 6089	DI: 9/11/21
ARN No: 98986	DU: 9/11/21
Received By: 	Sign: 
Gandhi Valley Research Centre Pvt Ltd	





Systems PVT LTD
AN ISO 9001:2015 COMPANY
TUV CERTIFIED EN ISO 9001

WATERVISION

Systems PVT LTD

303, Yogiraj Heights,
In Front Of Funtime Cinema,
Wadgaon Phata, Sinhga Road,
Pune 411041
info@watervisionsystems.com
www.watervisionsystems.com
020-24356707 | +91 8303000707

DELIVERY CHALLAN

ORIGINAL/DUPLICATE COPY

WATERVISION SYSTEMS PVT.LTD. Office No 303, Yogiraj Heights. Opp Funtime Cinema, Sinhga Road Pune -411011 CELL- 08308000707		DATE 30.10.2021 CHALLAN NO : 56
Consignee G.V.Reserch centres pvt Ltd Sr. No.542 Genome Valley ,Thurkapally ,Hydrabad Telgana Mr. Sanjay-9502288244 (SewageTreatment Plant)		Purchase Order No 79350/168688 STP/69/21-22R1 Dt. 04.08.2021
SR.No. & TAG NO STP	Item	Qty
STP 1	Fine Bar Screen	1 nos
STP 2	Air Blower (Sr. No. 21100917 ,21100918)	2 nos
STP 3	Fine Bubble Diffusers	12 nos
STP 4	Media For MBBR	25 bag
STP 5	Media For Tube Settler	12 bag
STP 6	Dual Media Filer 700 x1500	1 nos
STP 7	Activated Carbon Filter 800 x 1500 (Sand media & Carbon media)	1 nos
STP 8	Hypo Dosing System (0-6 Lph with 50 ltr Tank)	1 nos
STP 9	Piping Fitting	List attached
STP 10	Electric Panel	1 nos

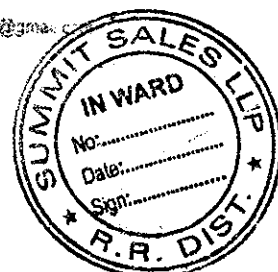
For Watervision Systems Pvt Ltd

Authorised Signature

Inward No: 6082	Date: 08/11/21
MRN No: 98916	Date: 9/11/21
Received By: K. K. Hameed	Sign: K. K. Hameed
Genome Valley Research Center Pvt. Ltd.	

Mumbai Branch : 10 Mohin Darshan, Dombivli (W) Thane - 421 202 Mobile : +91 9097668350 E-mail : watervisionsystems.mumbai@gmail.com
Bangalore Branch : U-66 Ch A Cross Veeranna Ashrama Road Gattatraya Temple Road Malewaram Bangalore - 560003
Mobile : +91 7699810041 Email : watervisionsystems.bangalore@gmail.com
Hyderabad Branch : 105 Mayflower, Malapuri Hyderabad 500076 Mobile : 7330760640 E-mail : watervisionsystems.hyderabad@gmail.com

www.watervisionsystems.com





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WATERVISION SYSTEMS PVT.LTD. Office No 303, Yogiraj Heights. Opp Funtime Cinema, Sinhgad Road Pune-411011 CELL- 08308000707		DATE 30.10.2021 CHALLAN NO : 56
Consignee G.V.Reserch centres pvt Ltd Sr. No.542 Genome Valley ,Thurkapally ,Hydrabad Telgana Mr. Sanjay- 9502288244 (Sewage Treatment Plant)		Purchase Order No 79350/163688 STP/69/21-22R1 Dt. 04.08.2021
SR.No. & TAG NO STP	Item	Qty
STP 1	Fine Bar Screen	1 nos
STP 2	Air Blower (Sr. No. 21100917 ,21100918)	2 nos
STP 3	Fine Bubble Diffusers	12 nos
STP 4	Media For MBBR	25 bag
STP 5	Media For Tube Settler	12 bag
STP 6	Dual Media Filer 700 x1500	1 nos
STP 7	Activated Carbon Filter 800 x 1500 (Sand media & carbon media)	1 nos
STP 8	Hypo Dosing System (0-6 Lph with 50 ltr Tank)	1 nos
STP 9	Piping Fitting	List attached
STP 10	Electric Panel	1 nos

For Watervision Systems Pvt Ltd

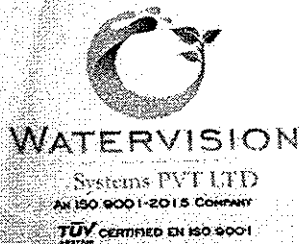
Authorised Signature

INWARD	
Inward No: 6082	88/11/21
MRN No: 989FC	9/11/21
Received By: K.L. Arun	Sign: K.L. Arun
Genome Valley Research Center Pvt. Ltd.	



Mumbai Branch : 10, Mohini Darshan, Dombivli (W), Thane - 421 202. Mobile : +91 8397668356. E-mail : watervisionsystems.mumbai@gmail.com
 Bangalore Branch : U-66, 6th, A Cross, Veeranna Ashrama Road, Dattatraya Temple Road, Malleswaram, Bangalore - 560003.
 Mobile : +91 7699810041. Email : watervisionsystems.bangalore@gmail.com
 Hyderabad Branch : 106, Mayflower, Mallapur, Hyderabad 500076. Mobile : 7330760090. E-mail : watervisionsystems.hyderabad@gmail.com

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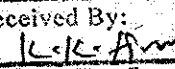
DELIVERY CHALLAN

ORIGINAL/DUPLICATE COPY

WATERVISION SYSTEMS PVT.LTD. Office No 303, Yogiraj Heights. Opp Funtime Cinema, Sinhgad Road Pune -411041 CELL- 08308000707		DATE 30.10.2021 CHALLAN NO : 56
Consignee G.V.Reserch centres pvt Ltd Sr. No.542 Genome Valley ,Thurkapally ,Hydrabad Telgana Mr. Sanjay- 9502288244 (Sewage Treatment Plant)		Purchase Order No STP/69/21-22R1 Dt. 04.08.2021
SR.No. & TAG NO STP	Item	Qty
STP 11	Pressure Gauge	1 nos
STP 12	4 Core Cable (1.5 & 2.5 one each)	2 nos
STP 13	Pump Cover	8 Nos
STP 14	Base Frame	3 Nos
STP 15	Motor	2 Nos
STP 16	Drawing Board	1 Nos
STP 17	Cable Tray 50x50 with cover (with bracket 30 nos)	15 Nos

For Watervision Systems Pvt Ltd

Authorised Signature


INWARD	
Inward No: 6082	Di: 08/11/21
MRN No: 98986	Di: 9/11/21
Received By: 	Sign: 
Genome Valley Research Centre Pvt. Ltd.	



Purchase Order

Page(s) 1 Of 1

04-Aug-21 5:39:58 PM



79350

31.07.21 2:18:26

From Company : **G V Reserch Centers Pvt Ltd**
5-4-187/3&4, II nd Floor, Soham Mansion, MG Road, Secunderabad-500003
G S T No. : 36AAHCG4562D1ZP

Supplier Details

Watervision Systems Pvt Ltd
Flat/house/office no: 303, Yogiraj heights, opposite Funtime cinema
wadgaon Phata, Sinhagad road, Pune, Maharashtra.

GSTIN 27AABCW7180P1ZL

8308000707

8308000707

Doc No	79350	163688
Doc Date	04-08-2021	
Quote No	STP/69/21-22-R1	
Quote Date	04-08-2021	
SupplyType	Supply And Installation	

Kind Attn : Pravin Arjun Rao Padir

Purchase Order for the Supply of following Items.

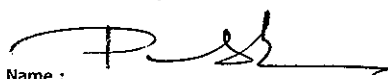
Item Name	Qty	Rate	Dis%	IGST	Amount
1, 5228 - Equipment - other - sewage treatment plant - NA - Nos 100 KLD	1.00	1,181,085.	0.00	18.00	1,393,680.30
Total Order Value . . .					1,393,680.30
Rupees : Thirteen Lakh(s) Ninty Three Thousand Six Hundred Eighty and Paise Thirty Only.					

Terms and Conditions :-

Specification / Brand	As per the agreed terms and conditions mentioned in the quotation no. STP/69/21-22-R1, Dated-4-8-21
Payment Terms	20% advance, 30% on material ready advise, 30% on delivery of material, 10% on installation, 10% on commissioning.
Tax	Included in the above prices
Delivery Date	With in 12-14 weeks
Delivery Location	Innopolis Sy no-542, Genome Valley, Thurkapally, Hyderabad, Telangana Phone. Mr. Sanjay - 9502288244
Penalty For Delay	Nil
Transportation Cost	Nil
Warranty	12 months from the date of commissioning.
Advance Paid	Rs.2,80,000/- (20% as advance), paid on 5-8-21.
Other Terms	We reserve the right to reject items not conforming to quality and specifications, damages if any in suppliers account, above order is for STP purpose.
Completion Date	Nil
Measurment	Nil
Security	Nil
Remarks	Nil

For **G V Reserch Centers Pvt Ltd**

Authorised Signatory

Name : 

Name : _____

Accepted the above Terms And Conditions

For **Watervision Systems Pvt Ltd**

Date : __/__/__

Requisition Form

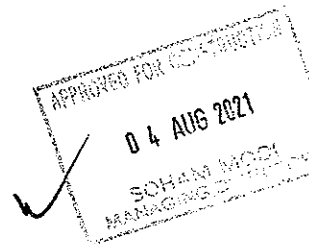
Company Name:	GV Research Center Pvt Ltd.	Date:	04-08-2021
Site & Phase:	Innopolis	Time:	10:45
Supplier	Watervision systems PVT LTD.	Req. No.	163688
Material required before date:		ID No.	68153

No	Description	Size	Quantity	Units	Inward No	Date
1.	Effluent Treatment Plant (ETP)- 190 KLD	NA	1	No.		
2.	Sewage Treatment Plant (STP)- 100 KLD	NA	1	No.		
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						

Remarks: ETP & STP For GVRC.

Prepared By	Likhitha	Approved by	Venkatesh
Sign. & Date	04-08-2021	Sign. & Date	04-08-2021

Note:





WATERVISION
Systems PVT LTD

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REF NO.: STP/69/21-22-R1

DATE: 04/08/2021

TECHNO COMMERCIAL OFFER

OF

SEWAGE TREATMENT PLANT

CAPACITY: 100KLD

FOR

**GV RESEARCH CENTER PVT.LTD,
SECUNDERABAD, TELANGANA.**



Branch Offices :

Mumbai | Bangalore | Hyderabad | Nashik | Ratnagiri

SEWAGE TREATMENT PLANTS | EFFLUENT TREATMENT PLANTS | WATER SOFTENERS

RO PLANTS | DM PLANTS | RAIN WATER HARVESTING

Service : Annual Operation & Maintenance of All Above Said Plants | P.C.B./C.P.C.B. Consent Job Work

Subject: Offer for STP Capacity 100 m³/day.

We would like to submit our techno commercial offer for 100 KLD Sewage treatment plant. Offered specifications and considered assumptions are as follows.

- a. The plant and equipment room shall be above ground level.
- b. Plant will operate for 22 hours per day.
- c. STP is designed on MBBR process.
- d. We have assumed raw and treated sewage characteristics as per standard practice.
- e. Excess sludge will be stored in sludge holding tank. The supernatant from sludge holding tank needs to be drained out by gravity to nearest drain.
- f. It is assumed that the Incoming invert level is 1.5 m below ground level.
- g. Sewage Treatment Plant Capacity shall be 100 cum/day.
- h. The Treated Sewage shall confirm to State Control Board norms and shall be reused for Gardening.

Should you have any queries please feel free to call us for assistance.

INDEX

1. DESIGN BASIS
2. TREATED SEWAGE PARAMITERS
3. PROCESS DESCRIPTION
4. SCHEMATIC FLOW DIAGRAM
5. SCOPE OF SUPPLY WITH TECHNICAL SPECIFICATIONS
6. LIST OF MAKES
7. SCOPE OF WORK
8. BATTERY LIMITS
9. ADVANTAGES OF WATERVISION SYSTEMS PVT LTD STP
- 10.SALIENT FEATURES OF PROPOSED SYSTEM
- 11.SCHEDULE OF EXCLUSION
- 12.PRICE & TERMS AND CONDITIONS

1.DESIGN BASIS

- 1.1 The proposed Sewage Treatment Plant is for GV RESEARCH CINTER PVT.LTD,SOHAM MANSIONS,MG ROAD, SECUNDERABAD, TELANGANA
- 1.2 It is informed that treated sewage is to be reused for Gardening.
- 1.3 The collection and conveyance system of raw sewage to bring it to the sewage treatment plant is not covered in the scope and raw sewage will be made available at proposed sewage treatment plant site by the client.
- 1.4 The estimated quantity of the wastewater will be maximum 100 cum/day.
- 1.5 The desired sewage standards for S.T.P. would be as follows (Assumed as per standards):

Sr. No.	Parameters	Unit	Raw Sewage
01.	Flow	cum/day	100
02.	pH	---	6.0-8.5
03.	C.O.D.	mg/l	400-600
04.	B.O.D.	mg/l	300-400
05.	Total Suspended Solids	mg/l	180-250
06.	Oil &Grease	Mg/l	30

We have developed a scheme which takes care of hotel, builder requirements of S.T.P i.e aesthetically good with no smell. Our proposed process is capable of taking highest shock loads, highest efficiency, mineral sludge digested sludge and hence no separate sludge treatment.

2. TREATED SEWAGE PARAMETER

The desired sewage standards for S.T.P. would be as follows (Assumed as per standards in absence of data):

Sr. No.	Parameters	Unit	Raw Sewage	Treated Sewage at the outlet of Filters
01.	Flow	cum/day	100	90-95
02.	pH	---	6.0-8.5	6.5 - 7.5
03.	C.O.D.	mg/l	400-600	<100
04.	B.O.D.	mg/l	300-400	<30
05.	Total Suspended Solids	mg/l	180-250	<10
06.	Oil & Grease	Mg/l	30	<10

3. PROCESS DESCRIPTION

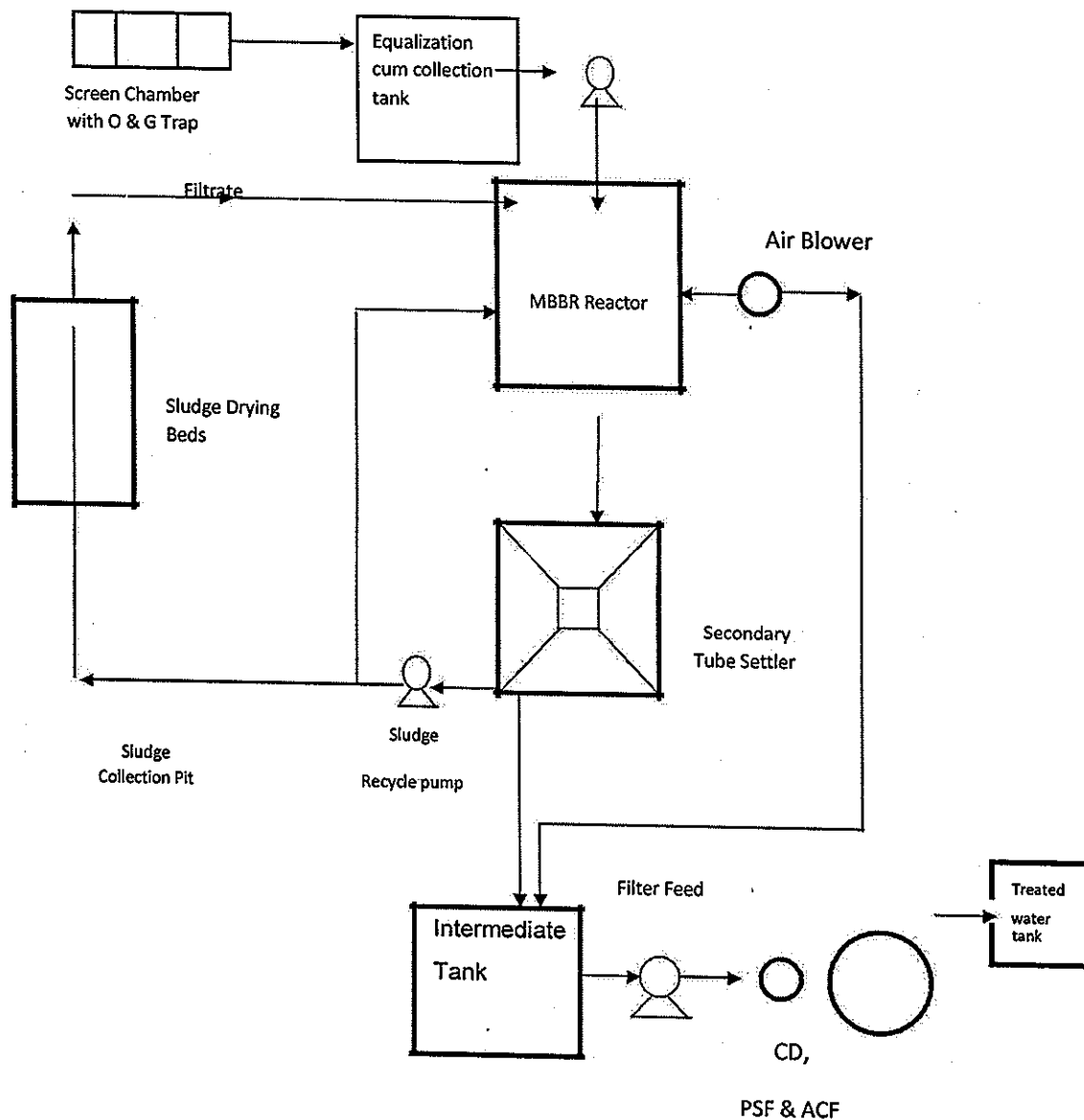
PROCESS – MOVING BED BIO-REACTOR (MBBR):

The domestic sewage generated from residential complex will be collected in **Equalization tank** after passing through **Screen Chamber (SC)** and **Oil and Grease trap (O&G)**. Floating oil will be removed manually and collected in oil collection tank by gravity. From equalization tank oil free raw sewage will be pumped to **MBBR tank**.

The **MBBR** consists of tank filled with special media. These media are made of specially developed material of control density such that they can be fluidized using an aeration device. A bio film develops on the media which moves along with the effluent in the reactor. The movement within the reactor is generated by providing aeration with the help of air grids placed at the bottom of the reactor. The thin bio film on the media enables the bacteria to act upon the bio degradable matter in the effluent and reduce BOD/COD content in the presence of oxygen from the air that is used for fluidization.

The aerated liquid will overflow to **Tube Settler (TS)** for separation of solids from liquid. The settled sewage will be collected in **Intermediate storage Tank (IST)** & then will be pumped through **Sand Filter (SF)** and **Activated carbon filter (ACF)** to **Treated water storage tank (TWST)** through CD for disinfection. From storage tank, treated sewage can be reused for gardening/Flushing. The excess sludge from tube settling tank will be stored in **sludge drying bed (SDB)**. The digested sludge required to remove once in 6 months or year maximum & this sludge is well digested can be used as a manure.

4. BLOCK DRAWING



5. SCOPE OF SUPPLY WITH TECHNICAL SPECIFICATION

List of Equipment-

S.No.	Detail of Equipment	Unit	Value/ Description
1.	Fine Bar Screen - Manual	No.	01
	Type		Bar Screen
	MOC		MSEP
	Clear spacing	mm	6mm
	Size		400mm x 600mm
	Make		WVSPL
2.	Raw Effluent Transfer Pump	No.	02 (1W + 1S)
	Type		Horizontal Centrifugal, Non Clog
	Solid Handling	mm	6-7
	Capacity	M3/hr	4.54
	Head	meter	10
	MOC		Casing and Impeller CI
	Make		KBL/Equiv.
3.	Air Blower	No.	02 (1W + 1S)
	Type		Twin lobe rotary
	Make		Everest/Airvak/Equiv.
	Operating Pressure	Kg/cm ²	0.50
	Operating Discharge	M3/hr	Suitable
	MOC		Casing CI, Shaft EN19
	Air for Agitation to Tank		Equalization Tank, Sludge Holding tank and Treated water Tank
	Air for Process to tanks		MBBR
	Motor		Suitable for blower
	Type		IP55, Foot mounted, IE2
	Make		CGL / Equiv.

WATERVISION

4.	Fine Bubble Diffusers	Lot	1
	Type		Fine bubble
	MOC		EPDM
	Location		MBBR Tank
	Assembly		Fix type
	Make		Scogen/ Greenfield /Equiv.
5.	Media for MBBR	Lot	1
	Make		Passco / Cooldec / Equiv.
	MOC		PVC / PP
	Area		400 m2/m3
6.	Media for Tube Settler	Lot	1
	Make		Marvellous/ Cooldeck / Equiv.
	MOC		PVC
	Height	MM	510 / 750
7.	Sludge Wasting Pump	No.	02 (1W + 1S)
	Type		Horizontal Centrifugal, Self Priming, Non Clog
	Solid Handling	Mm	7
	Capacity	M3/hr	4.0
	Head	Meter	10
	Application		Sludge Wasting from STS no 2 to SHT
	MOC		CI Body & Impeller
	Make		KBL/ Equiv.
8.	Filter Feed Pump	No.	02
	Type		Horizontal, Monoblock, Closed impeller, Gland Packing
	Capacity	M3/hr	4.54
	Head	M	26
	MOC		Casing and Impeller CI
	Make		KBL/ Equiv.
9.	Dual Media Filter	No.	01
	MOC		MS with Internal EP and External Enamel Painted
	Diameter	MM	700
	HOS	MM	1500
	Capacity / Flow	M3/hr	6.6
	Working Pressure	Kg/cm 2	2.4
	Shell / Dish Thickness	MM	5/5

Type of Media		WATERVISION	
Make		Pebble, gravel, Sand & Anthracite	
WATERVISION		WVSPL	
Systems PVT LTD		303, Yashraj Heights, In Front Of Funtime Cinema, Wadgaon Phata, Sinhgad Road, Pune 411041.	
10. Activated Carbon Filter		No. 01	
MOC		MS with Internal EP and External Enamel Painted	
Diameter		MM	800
HOS		MM	1500
Capacity / Flow		M3/hr	6.6
Working Pressure		Kg/cm ²	2.4
Shell / Dish Thickness		MM	5/5
Type of Media		Pebble, gravel, Sand & Activated Carbon	
Make		WVSPL	
11. Hypo Dosing System		Set	1
Dosing Pump		No	1
Type		Electronic Diaphragm Type	
Capacity		LPH	6
MOC		PP	
Make		E dose/ EQV	
Tank		No	1
Tank Capacity		LTRS	50
MOC		LDPE/HDPE	
Make		Reno/Sintex	
13. Piping, Valves and Fittings		Lot	1
Piping		UPVC SCH 40	
Pump Suction, Discharge & Header lines		UPVC SCH 40	
Interconnecting, gravity lines		MS B class	
Air Exposed lines		UPVC SCH 40	
Air Submerged lines		Astral / Prince / Supreme	
Make		Jindal / Tata	
UPVC Pipes & Fittings		WVSPL approved	
MS pipe			
MS Fittings			
Valves			
>65 NB Valves		Butterfly Valve of CI MOC, Sandwich type. Make intervalve / Normax/Equiv.	
		NRV Valve of MS MOC, Wafer type	



WATERVISION

	Type of Media		Pebble, gravel, Sand & Anthracite
	Make		WVSPL
	WATERVISION		
	Systems PVT LTD		
			303, Yashraj Heights, In Front Of Funtime Cinema, Wadgaon Phata, Sinhgad Road, Pune 411041
			info@watervisionsystems.com
			www.watervisionsystems.com
			020-24356707 +91 8308000707
10.	Activated Carbon Filter	No.	01
	MOC		MS-with Internal EP and External Enamel Painted
	Diameter	MM	800
	HOS	MM	1500
	Capacity / Flow	M3/hr	6.6
	Working Pressure	Kg/cm 2	2.4
	Shell / Dish Thickness	MM	5/5
	Type of Media		Pebble, gravel, Sand & Activated Carbon
	Make		WVSPL
11.	Hypo Dosing System	Set	1
	Dosing Pump	No	1
	Type		Electronic Diaphragm Type
	Capacity	LPH	6
	MOC		PP
	Make		E dose/ EQV
	Tank	No	1
	Tank Capacity	LTRS	50
	MOC		LDPE/HDPE
	Make		Reno/Sintex
13.	Piping, Valves and Fittings	Lot	1
	Piping		
	Pump Suction, Discharge & Header lines		UPVC SCH 40
	Interconnecting, gravity lines		UPVC SCH 40
	Air Exposed lines		MS B class
	Air Submerged lines		UPVC SCH 40
	Make		
	UPVC Pipes & Fittings		Astral / Prince / Supreme
	MS pipe		Jindal / Tata
	MS Fittings		WVSPL approved
	Valves		
	>65 NB Valves		Butterfly Valve of CI MOC, Sandwich type. Make intervalve / Normax/Equiv.
			NRV Valve of MS MOC, Wafer type



WATERVISION

			Make interval / Normax/Equiv.
			303, Yashraj Heights, In Front Of Funtime Cinema, Wadgaon Phata, Sinhgad Road, Pune 411041 info@watervisionssystem.com www.watervisionssystem.com +91 8308000707
14.	Electrical Panel	No	1
	Type		LT, Cubical type, Non compartmentalized
	Protection		Indoor type IP42
	Mouting		Floor / Wall
	Cable Entry		Top / Botttom
	Incomer Switch		Incoming power control switches SFU.
	Starters		Individual MCB and starter
	Operation		Level Switch based operation of Pumps.
			With Auto / Manual Switch
	Cable		Power and Control Copper / Aluminum cable, Make Polycab/ Eqv
	Cable tray & Conduits		Suitable, Make Watervision approved
15.	Instrumentation	Lot	1
	Pressure Gauge		On pump discharge header and Blower discharge header
	Level Switch		For on-off of Pumps - Make Minilec/Cirrus

*** In case of non-availability of above makes, equivalent make with client's approval will be considered.

5.1 PROPOSED UNITS AND EQUIPMENTS:

UNITS (Client's Scope)

The various units are given as under:

Sr. No.	Unit	Quantity (Nos.)	MOC	Process Volume in M3
01.	Fine Bar Screen Chamber	1	BW	1 m3
02.	O & G Chamber	1	RCC	5.0 m3
03.	Equalization Tank	1	RCC	45 m3
04.	MBBR Tank	1	RCC	23m3
05.	Tube Settler Tank	1	RCC	12 m3
06.	Intermediate Storage Tank	1	RCC	8 m3
07.	Treated Water Tank	1	RCC	22 m3
08.	Sludge Holding Tank	4	RCC	20 m3
09.	Equipment Foundations	1	RCC	Suitable
10.	Panel cum Operator Room	1	RCC	Suitable

*** Dimensions of the tanks are subjected to change as per the site conditions.**

6. LIST OF MAKES

SCREEN	:	WVSPL
HDPE TANK	:	RENO/ SINTEX
PUMP	:	CRI/ CNP / KBL
BLOWER	:	AIRVAK/EQV
FILTERS	:	WVSPL
AIR DIFFUSER	:	WVSPL APPROVED
FEB MEDIA	:	GREENFIELD/EQUIV.
TUBE MEDIA	:	SUYASH/ MARVALOUS/EQUIV.
PRESSURE GAUGE	:	WAREE/ WIKA
LEVEL SWITCH	:	BLUETECH/EQUIV.
METERING PUMP	:	INITIATIVE/ POSITIVE
PANEL	:	WVSPL APPROVED
UPVC PIPE	:	ASTRAL/EQUIV.
CABLES	:	POLYCAB/ EQV

In case of non- availability of above makes, equivalent make with client approval will be considered.

7. SCOPE OF SUPPLY

- Civil General arrangement drawings,
- Process and instrumentation diagram,
- Flow and hydraulic diagram.
- Mechanical and other equipment as per point no3.
- Erection and Commissioning of plant

8. SALIENT FEATURES OF PROPOSED SCHEME

8.1 Area Requirements: The proposed sewage treatment plant can be Accommodated in the space of about 100 sq.mtr.

8.2 Power:

Connecting Load: 22 HP

Operating Load: 11 HP

Exact HP will be communicated after finalization of make and model of Equipment.

8.3 End Products/ Use :

- i) The Treated sewage can be reused for Gardening.
- ii) The Treated sewage can be disposed off and shall be within State

Pollution Control Board stipulated standards.

- iii) Biological sludge which is highly stabilized can be used as manure.

8.4 Recurring Expenditure:

The recurring expenditure shall be for chemicals and electricity, while separate manpower likes watchman & Operator.

9. BATTERY LIMITS

- Electrical supply (incomer) at control panel.
- Sludge at the outlet flange of SHT.
- Treated sewage at the outlet flange of TWST.
- Water supply at one point near STP.
- Raw sewage at the Screen Chamber.
- Any item not specifically mentioned in our offer.

- FHD Attached.

10. ADVANTAGE OF "WATERVISION SYSTEMS PVT LTD SEWAGE TREATMENT PLANT

- Compact – need relatively small place.
- Minimal and unskilled operation.
- Low energy input.
- Built in capacity to absorb shock loads.
- No odor nuisance.
- Useful End products.
- Highest Efficiency.
- Negligible access sludge production.
- Better option to both septic tank and conventional Sewage Treatment Plant.

11. SCHEDULE OF EXCLUSION

All civil works.

- Supply of all types of laboratory equipment, laboratory consumables, if required All electrical works other than the scope as per our offer.
- All piping beyond the termination points as given in our Battery Limits and termination points of our offer.
- All type of spares, consumables, lubricants, daily chemical etc. after commissioning & handing over.
- Sludge, grit, screening handling and disposal.
- Plant lighting & lightening protection.
- Any statutory clearance from the concerned authorities.
- Air conditioning and ventilation system.
- Power and water.
- Drain water collection and disposal system.
- Any other items and services not specifically mentioned in our scope.
- Unloading/ shifting/ storage of supplied material.
- Lodging and boarding at the time of erection and commissioning.

12. PRICE & OTHER TERMS AND CONDITIONS

PRICE SCHEDULE:

SR.NO.	DESCRIPTION	PRICE IN RS.
1	Total amount for Sewage Treatment Plant for capacity 100 KLD as per scope of supply without civil work.	11,58,500/-
2	Erection & Commissioning	Included
3	Freight extra at actuals	25,000/-
4	P&F @ 2%	23,170/-
	Total	12,06,670/-
	Discount	25,585/-
	Discounted Total	11,81,085/-

Please note that

- If there are any statutory variations /implications in taxes & duties at the time of delivery then it will be borne by the client.
- Prices are valid subject to payment terms mentioned.

2. Terms of Payments

- 20 % advance of the total order value along with the technically & commercial clear purchase order or Letter of intent.
- 30% along with the full value of all taxes & duties & other levies against readiness of material before dispatch of material.
- 30% along with the full value of all taxes & duties after receipt of material at your site.

- 10% along with the full value of all taxes & duties against erection of Plant.
- 10% along with the full value of all taxes & duties & other levies against commissioning of the plant

OTHER CONDITIONS :

- The Client will have to make civil units/foundations/ rooms and drain ready before delivery of our material at site.
- The Client will provide security to the material supplied by us.
- Commissioning of the plant should not be help up due to non-availability of sewage/ power.
- We will impart the training to Client's staff for operation of S.T.P during start up and trial runs.
- The plant operation manual will be furnished after commissioning of plant.

WARRANTY:

- a. We warranty the package plant against any manufacturing defect for a period of 12 months after commissioning or 15 months after delivery whichever is earlier.
- b. The system will give the desired sewage quality in accordance with Local Authority / Pollution Control Board for the specific influent quality (i.e. in this case domestic sewage only).
- The Warranty does not cover the damage caused by:
 1. Improper Electrical supply
 2. Non-qualified personnel loading or unloading, moving or installing the equipment
 3. Fire, Explosion Flood or similar perils
 4. Unauthorized modifications or alterations of the equipment
 5. Improper or inadequate maintenance.

DELIVERY PERIOD:

- 12-14 Weeks from the date of receipt commercially clear purchase order along with
- advance and can be commissioned within 14-16 weeks.

VALIDITY:

- Our offer is valid for a period of 30 Days from the date of this Quotation.

NON-CONSUMABLE PARTS

- From the date of installation of machine for a period not to exceed 12 months
- or 13 months from the date of dispatch, whichever is earlier.



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CONSUMABLE PARTS

No warranty is, however, offered for the consumable parts.

STATUTORY VARIATION

Any change in Govt., duties levies, taxes or policies having direct effect on our above quoted prices will be at customers account for which documentary evidence will be submitted on request.

FORCE MAJEURE CLAUSE

Our offer is subject to the acceptance of Force Majeure Clause such as Strike, Lockout, Non availability of raw materials, or Acts of God such as Fire, Flood, Drought, Earthquake, etc.

List of some of our esteemed clients:

- Hindalco Industries Ltd. Chattisgarh.
- Hindalco Industries Ltd. Jharkhand.
- UltraTech Cements Ltd. Madhya Pradesh.
- Indian Railways, Kolkata.
- Aalankrita Resorts, Hyderabad.
- Heritage Foods Ltd. Hyderabad.
- Heritage Novandie Pvt. Ltd. Mumbai.
- Jagga foods Ltd. Hyderabad.
- Jain builders & Promoters, Hyderabad.
- Girish Exports, Bangalore.
- Saikrupa Developers, Mumbai.
- Fairfield Marriot Hotel, Belgaum.
- Haware Builders & Engineers Pvt.Ltd. Mumbai.
- Vishwaraj Hospital, Loni Kalhor, Pune.
- AIMS Hospital, Aundh, Pune
- Raviraj group (construction), Pune.
- Columbia Asia Hospitals Pvt. Ltd. Pune.
- Benteler Automotive India Pvt. Ltd. Chakan MIDC, Pune.
- Hotel Centre Point, Solapur.
- The Digital Group, Hinjewadi MIDC, Pune.
- Delhi Public School, Panvel, Mumbai.
- The Hans Hotels & Inns Pvt. Ltd, Hubli, Karnataka.
- Patankar Hospital, Pune.
- Mercedes Benz India Pvt. Ltd. Chakan, Pune.
- ARK Prem Constructions, Pune.
- Polyone Polymers, Ranjangaon MIDC.



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- **Panache Aluminium Extrusions Pvt. Ltd, Satara.**
- **Chitale Bandhu Mithaiwale, Pune.**
- **Unique Chem²⁰-Polymers Pvt. Ltd, Sangli.**
- **National blocks, Mumbai.**
- **Orchid Hotel Pune Pvt. Ltd. Balewadi, Pune.**
- **Ramchandra Engineering, Pune.**

- **Shramik Mangal Karyalaya, Sangamner.**
- **Noble Farms, Aurangabad.**
- **Maharashtra Enviro Power Ltd. Ranjangaon MIDC, Pune.**
- **Takshashila Engineers & Licensed Contractors, Pune.**
- **Universal Construction Machineries & Equipments, Pune**

- **Cardio Thoracic Centre, Pune.**
- **Anand Realty, Pune.**
- **Command Hospital, Pune.**
- **SMS Envocare Ltd. Pune Branch.**
- **Shekhar Developers.**

- **Sheetal Metals Pvt. Ltd. Saswad.**
- **Mahashakti Dairy, Malkapur, Dist. Buldhana.**
- **Devi Construction company Pvt. Ltd. Pune.**
- **Rajlaxmi Stone & Sand Crusher Company. Pune.**
- **MIT Institute, Pune.**
- **KB Developers, Baner, Pune.**
- **Haier Electronic India Pvt. Ltd. Ranjangaon, Pune.**

- **Hotel Dreamland, Mahabaleshwar.**
- **OmShree Agro Tech Ltd. Dhule.**
- **Chellaram Diabetic Institute, Bavdhan, Pune.**
- **Ashok Leyland, KGN Motors, Chakan, Pune.**
- **Ashok Leyland, KGN Motors, Loni Kalbhor, Pune.**
- **Risk Technology, Hinjewadi, Pune.**
- **Embassy Office Parks Pvt.Ltd, Hinjewadi, Pune.**
- **Pune Embasssy Projects Pvt.Ltd. Hinjewadi, Pune.**
- **Jijamata Hospital, Nanded.**

- Vishwa Institute Of Urology, Nanded.

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AN ISO 9001:2015 COMPANY

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Issue
Do!

APPROVED FOR CONSTRUCTION
04 AUG 2021
SOMAN MODI
MANAGING DIRECTOR

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