

ORGANISATION PROFILE

***Quality Consultancy Services for the
Water Environment & Pollution Control***



SPANS Envirotech Pvt. Ltd.

406 Woodbury Towers , Charmwood Village Surajkund Road, Faridabad 121009

Tel : 91-129-4116216, 4116217 Fax: 91-129-4116218

E mail: contact@spans.co.in

*Quality Consultancy Services for the
Water Environment & Pollution Control*

- *SPANS ENVIROTECH AND WATER & WASTE WATER TREATMENT*
- *SELECTED LIST OF PROJECTS DESIGNED, ENGINEERED, MANAGED AND COMMISSIONED BY THE KEY PERSONNEL OF SPANS ENVIROTECH PVT. LTD.*
- *LIST OF PROJECTS EXECUTED BY SPANS ENVIROTECH*



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SPANS Envirotech *and* **Water & Waste Water Treatment**

Background

SPANS Envirotech Pvt. Limited is a high technology firm started by a group of experienced multi-disciplinary professionals in 1994 with the endeavor, determination, and goal of providing *Economical, Timely and Quality Consultancy Services* in the area of **Environmental Pollution Control** with special emphasis on

- **Communal Sewage and Sludge Treatment** works , including effluent reuse
- **Industrial Effluent Treatment** plants for a range of industries such as - Textile, Food processing - including oil extraction & purification, dairy, etc., Fermentation (brewery / distilleries), Pharmaceuticals, Electroplating & metal finishing, Oil field industry, Electronics Industry, etc..

SPANS's Experience in Water & Waste Water Treatment.

Water & Waste water plants have been designed by **SPANS's** personnel to treat Water, Municipal waste water and Industrial waste water utilizing the following Treatment Operations & Processes such as:

Physico-Chemical Treatment	comprising clariflocculation, filtration, & disinfection of river water for municipal supply. Acid cracking, Chemical dosing of coagulants & flocculants followed by Flotation & precipitation for industrial effluents.
Suspended Growth Bio-reactors	using single stage conventional, SA2 - innovative approach to bio-treatment by combination of high rate & extended aeration systems and two / multi stage high rate systems with nitrification, de-nitrification, & biological P removal etc..
Fixed Film Aerobic Bio-reactors	Bio Filters (Trickling Filters) using both natural and plastic media at low and high loading rates.
Rotating Biological Contactors (RBC)	Rotating disk fixed film reactors such as RBC. Designs available in both mechanically driven & hybrid versions which use air power for rotating the disks as well as providing aeration.
Natural Treatment Technologies	Natural Treatment Systems such as Constructed Wet Lands
Anaerobic Bio-reactors	Both fixed film and suspended growth systems
Sludge Treatment and Stabilization	with cold aerobic stabilization , cold anaerobic sludge stabilization & di-phasic sludge stabilization using propeller (inboard and outboard) mixing , slow speed energy efficient impellers mixing , gas mixing (contained and unconfined).

Bio Gas recovery & Utilization	systems with bio gas recovery and utilization for thermal and electrical energy recovery
Sludge Thickening and Dewatering	using gravity thickeners with and without aid of polymers, dissolved air flotation, chemical conditioning, dewatering on belt press, plate and frame / chamber filter's press, vacuum filters, centrifuges etc.
Tertiary Treatment of Waste water	using disinfection with chlorine / ozone / UV, Filtration by pressure / rapid gravity sand filters with single or dual / multi-media & Activated Carbon Filtration followed by Membrane Separation & Exchange Resin for effluent re-use.

Services Rendered by SPANS

⇒ **Engineering Services** - on a **Concept to Commissioning** basis, for the areas of work as under :

- ◆ Study of Owner's/ End-users Waste Water Characteristics & Suggest Preliminary Flow Sheet
- ◆ Study of Plant Process / Water Use - Outlet Points & Effluent Quality (Dry / Wet Study)
- ◆ Analysis of Data on Waste Water & Effluent Quality Standards
- ◆ Preparation of Conceptual Treatment Scheme
- ◆ Basic Engineering of Conceptual Scheme with Unit Dimensioning Process & Hydraulic Flow Diagram, Layout
- ◆ Prepare Detailed Enquiry for Technical offers
- ◆ Detailed Engineering for:
 - * Detailed System Engineering & Drawings
 - * Piping Engineering & Construction Drawings
 - * Electrical Engineering & Construction Drawings
 - * Civil Engineering & Construction Drawings
 - * Instrumentation & Control System Specifications & Drawings.
- ◆ Periodic Supervisory Services during Construction / erection.
- ◆ Process operating & Maintenance Manual
- ◆ Plant / System Commissioning Supervision

⇒ **Trouble Shooting Services** for the existing system

⇒ **Environmental Audit**

⇒ **Process Operation & Maintenance of Sewage & Effluent Treatment Plants**

SPANS's Approach to Design of Waste Water Treatment Plants

A **stage-wise approach** is adopted by **SPANS** for design of Water & Waste water Treatment Plants. This is best illustrated by the **activity / responsibility** flow chart as shown

STAGE - I

- The first stage of any design assignment undertaken by **SPANS** is the collection of data ; especially those relating to waste water quality and quantity & required treated effluent standards. For industrial waste waters details of unit processes generating the waste water are collected.
- The next step is Analysis of these data and subsequent discussion with the client / owner to enable a number of options to be explored , including :
 - Identification of a treatment process capable of producing a treated effluent of the required standard at the least cost - appropriate **Technology Selection**.
 - The scope for improving the efficiency of manufacturing processes which generate the waste waters, thereby reducing the effluent quantity. In other words **In-House Waste Reduction**.
 - The practicability / desirability of abstracting and **Recycling** certain constituents of the waste water, with a potential pay back for reduced raw material cost or income from sale of reclaimed products.
 - The need for spare capacity to accommodate **Future Needs** with respect to increase in the waste water flows.

STAGE - II

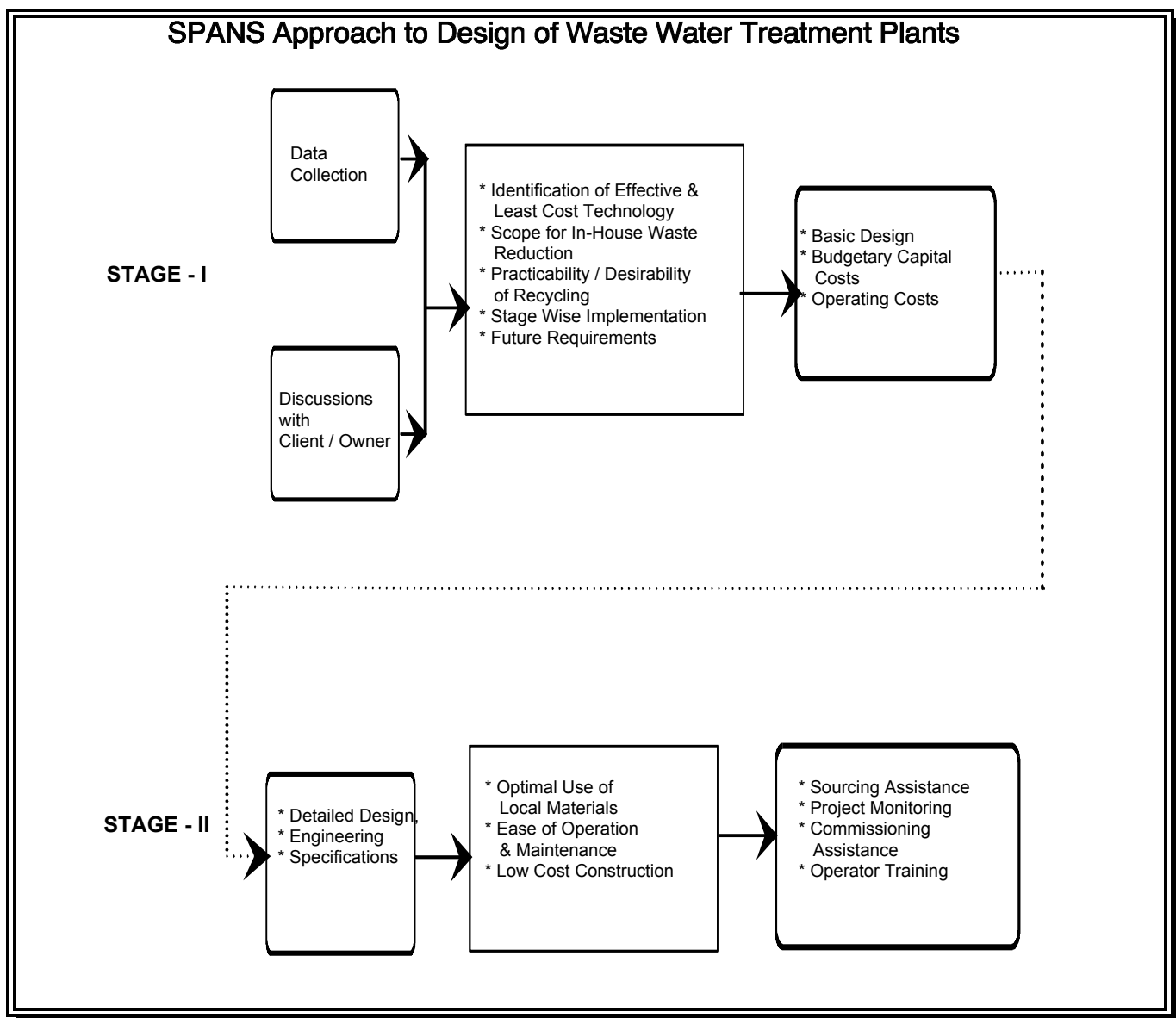
- **Design & Engineering**

This stage comprises of

- **Detailed Designing** and
- **Framing of Specifications**

for the system / treatment plant. During this stage due regard is paid to

- **Local Availability & Cost** of material and equipment,
- the ease and reliability of **Operation & Maintenance** and
- **Phase Wise Implementation** of the project.
- **Construction Economies & maintenance** of record for As built drawings



Services provided by SPANS during Construction / Implementation.

Subsequently, during construction, installation and commissioning of the treatment system, **SPANS** can provide a range of services depending upon the situation. These services include:

- Assistance in selection of contractors / suppliers
- Project management and supervision
- Technical advisory & supervisory services

Services provided by SPANS for Operation & Maintenance.

Subsequently, after construction SPANS can provide the services of Operation & Maintenance of the Plant as well as keeping a regular log & for meeting the regulatory & ISO 14000 requirements

Alternatively

SPANS can offer a ***"Concept to Commissioning - Design & Engineering"*** package covering Technology Identification & Selection, Total Design / Engineering, Procurement assistance, Construction /Erection and Commissioning Supervisory Services with single point responsibility.

The site work, in all cases, being done by specialized contractors under supervision of SPANS's personnel.

SPANS offers its specialized services particularly in the key strength areas of Process Engineering & Basic System Design to

- *End-users i.e. Industries / Undertakings / Developers / Corporations providing **"Concept to Completion Engineering Services "** including Process Engineering & Basic System Design and due diligence*
- *EPC Contractors for providing specialized Process Engineering & Basic System Design and due diligence*
- *General Engineering Consultants working as a team for large projects for studies and master planning studies*

For further information / assistance, please contact:

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406 Woodbury Towers, Charmwood Village
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*Quality Consultancy Services for the
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Key Personnel



SPANS Envirotech Pvt. Ltd.

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Key Personnel
SPANS Envirotech Pvt. Limited.
NEW DELHI

S No	Name	Position	Qualifications	Experience
1.	Subhash Verma	Principal Consultant and Director	B Tech (Civil) 1971 M Tech (Env.) IIT / Kanpur 1974	Three (3) decades of system design, engineering operation and troubleshooting experience in the field of Water , Waste Water & Sewage Treatment Plants in India & abroad
2.	Nitin Verma	Associate Consultant & Director	B E (Civil)2003 M Tech (Env. Engg) Virginia Tech USA 2005 MBA- INSEAD Fontainebleau, France	Eight years of experience Specialized in Process simulation and Anaerobic Technology and Odor Control Financial Modeling for PPP projects, Corporate finance of infrastructure companies, municipalities
3.	Dr. Shanti Verma	Director Administration	MBBS 1975	Experience 30 years Acts as medical / Environmental health advisor in studies involving pollution and health.
4.	T. K. Prasad	Associate Consultant	Chemical Engineering Anna Univ 1984	Environmental and Oil & Gas Projects Process Design & Management Presently looking after projects in South India
5.	Ramashankar	Associate Consultant	B Tech (Env.) 1990	Specialized in Process Equipment Selection
6.	Jaideep Ghosh	Associate Consultant	B Tech (Env.) 1990	Design, coordination / trouble shooting of water and waste water treatment systems specially designed for small capacities
7.	Jitendra Kr. Gaur	Project Engineer	B.Tech (Env) 2009	Detailed design and engineering including project management of projects ,
8.	Divya Agrawal	Asst Engineer	B.Tech 2011	Involved in basic design engineering including drafting

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List of Projects



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**LIST OF PROJECTS DESIGNED, ENGINEERED, MANAGED AND COMMISSIONED
BY
SPANS ENVIROTECH PVT. LTD.**

S No	Project	Period	Report & DPR	Basic Enginee -ring	Detailed Enginee r-ing	Project Manag e-ment	Project Comissi- oning
1	ONGC ETP North Santhal CCS (A/C Punj Lloyd)	1994	-		Yes (O&M Manual)	-	Yes
2	Hotel Harward Agra (A/C HDO) 160 m3/d Compact STP	1994	-	Yes	Yes (Partly)	-	-
3	IOCL Chaksu Oil Terminal WWTP (A/C HiTech Engineers)	1994	Yes	Yes	-	-	-
4	HES Enviro - Delhi Compact Sewage Treatment Plant Development	1994	Yes	Yes	-	-	-
5	Okhla 16 MGD STP Delhi (A/C HDO)	1995	-	Yes	Yes	-	-
6	Vasant Kunj 3MGD STP Delhi (A/C HDO)	1995	-	Yes	Yes	-	-
7	Najafgarh 5 MGD STP Delhi (A/C HDO)	1995	-	Yes	Yes-	Yes	-
8	Papankalan 20 MGD STP Delhi (A/C HDO)	1995	-	Yes	Yes	-	-
9	SIPCA India Bhawadi – WWTP	1995	Yes	Yes	-	-	-
10	Shakumburi Sugars ETP - Project Report (A/C HDO)	1995	Yes	Yes	-	-	-
11	Cross Country Hotels Bikaner STP for 300 Persons (A/C Envicon)	1995	Yes	Yes	-	-	-
12	Grasim Cement Sarseni Raipur - Community STP for 2500 PE (A/C HDO)	1995	Yes	Yes	-	-	-
13	Sterling Resorts Jim Corbert STP for 365 Persons (A/C Envicon)	1995	Yes	Yes	-	-	-
14	Pashupati Textiles Communal STP from 600 PE (A/C Envicon)	1995	Yes	Yes	-	-	-
15	Sonia Textiles WWTP revamping - study (A/C Envicon)	1995	Yes	Yes	-	-	-
16	Som Dutt Breweries WWTP - 2 Stage (A/C Envicon)	1995	Yes	Yes	-	-	-
17	AVET Chemicals - UASB based ETP (A/C Envicon)	1995	Yes	Yes	-	-	-
18	Khaitan Chemicals & Fertilizers - Soap Stock spilting Plant 50 m3/d (A/C HDO)	1995	Yes	Yes	-	-	-
19	Brooke Bond India Ltd - Instant Tea Project Etah - ETP (A/C HDO)	1995	Yes	Yes	-	-	-
20	Nirma Caustic Soda Project - Bhavnagar - Community Sewage to Industrial Water Scheme (A/C HDO)	1995	Yes	Yes	-	-	-

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21	Lacto Protein India - WWTP (A/C HDO)	1995	Yes	Yes	-	-	-
22	Indo Gulf Sugars Gonda -ETP on Hybrid UASB (A/C Envicon)	1995	Yes	Yes	Yes (Partly)	-	-
23	Dalmia Dairy Industries Bharatpur WWTP – revamping (A/C HDO)	1995	Yes	Yes	Yes	-	Yes
24	Brikhuti Paper (A/C HDO)	1995	Yes	Yes	-	-	-
25	Smith Kline & Beecham WWTP (A/C HDO)	1995	Yes	Yes	-	-	-
26	Study of Water Quality in Muscat & Interior Areas of OMAN (A/C Stup Consultants)	1995	Yes	-	-	-	-
27	Ganpati Electronics PCB Project - WWTP (A/C Dalal Consultants)	1995	Yes	Yes	-	-	-
28	Khaitan Chemicals & Fertilizers Textile Finishing Plant (A/C HDO)	1995	Yes	Yes	-	-	-
29	Kant Enclave STP Phase I/II/III/IV final Cap 10,000 m3/d (A/C HDO)	1996	Yes	Yes	Yes	-	Yes
30	Britannia Industries Limited Delhi	1966	Yes	Yes	Yes	Yes	Yes
31	Ganpati Electronics PCB Project - WWTP (A/C Dalal Consultants)	1996	Yes	Yes	-	-	-
32	Pasupati Cotsyn Ltd Blanket Project	1996	Yes	Yes			
33	IOCL R&D Centre Faridabad Waste Water Recycle	1996	Yes	-	-	-	-
34	Bhopal Hospital Trust STP 500 m3/d A/C AAR Vee Projects	1996	Yes	Yes	-	-	-
35	NTPC Badarpur STP 1800 m3/d A/C AAR Vee Projects	1996	Yes	Yes	-	-	-
36	Era Papers Project Profile	1996	Yes	Yes	-	-	-
37	Mandhakani Aqua Minerals Ultra Pure Water Plant Rishikesh	1996	Yes Modifi-cation	Yes	Yes	Yes Revam-ping	Trouble Shooting
38	Milkfood Existing ETP revamping Bhardargarh	1996	Yes				
39	Natural Gas Dehydration Plant - WWTP Proj 176 (A/C KTI / Petrosin) Work involved Basic Engg & Preparation Plant duty Specifications for Bid	1996	Yes	Yes	-	-	-
40	ITDC- Ashok Hotel & Samrat Hotel Complex Waste Water Treatment & Recycle Plant Cap 1050 m3/d	1996	Yes	Yes	Yes	Yes	Yes (Over all guidance)

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41	ITDC- Kanishka Hotel , Janpath Hotel & Ashok Yatri Niwas Hotel Complex Waste Water Treatment & Recycle Plant Cap 1100 m3/d (a/c DKP Tech Services)	1996	Yes	Yes	Yes-	-	-
42	ITDC - Ashok Hotel Skid Mounted Kitchen & Laundry ETP 240 m3/d - for a short term solution	1996	Yes	Yes	Yes	Yes	Yes (Over all guidance)
43	ITDC - Samrat Hotel Skid Mounted Kitchen ETP 50 m3/d for a short term solution	1996	Yes	Yes	Yes	Yes	Yes (Over all guidance)
44	Hafed Hansi Spinning Mill . Sewage Treatment & Water Recovery / Reuse	1996	Yes	Yes	Yes	-	Yes (Over all guidance)
45	IOCL Haldia Oil Terminal WWTP (A/C Punj Lloyd) Pre Bid Engineering	1996	Yes	Yes	-	-	-
46	Himachal Pradesh PWD UASB STP 15 MLD (A/C GSJ Envo) Pre Bid Engineering	1996	Yes	Yes	-	-	-
47	B.P.Koirala Institute of Health sciences, Dharan, Nepal Trickling Filter STP - 0.8 MLD (A/C Composite Consultants)	1997	Yes	Yes	Yes	Partial	Yes
48	Ashiana Bageecha -Bhiwadi Underground STP (A/C Grindwell Norton)	1997	Yes	Yes	Yes	Partial	Yes
49	Assam Water Supply & Sewage Board Sewerage Collection System for IOCL Refinery	1997	Yes	Yes	Yes	-	-
50	ITDC - Quatb Hotel Kitchen & Laundry WWTP .	1997	Yes	Yes	Yes	Yes	Yes (Over all guidance)
51	ITDC - Ranjit Hotel . Kitchen ETP	1997	Yes	Yes	Yes	Yes	Yes (Over all guidance)
52	Dewas Water Supply Scheme - Industrial area CETP Feasibility & Preferred Options(A/C Stup / Safege)	1997	Yes	Yes	Yes Phase -II	-	-
53	CETP - Ludhania For PSDIDC	1997.	Yes	Yes	Yes	Yes	Yes
54	NTPC Rihand Ash Water Recirculation System A/C Wtd -Era	1997	Yes	Yes	Yes	Yes	Yes
55	Development of Per Fabricated Skid ETP for small Flows (A/ C Fabco)	1997	Yes	Yes	Yes	Yes	Yes
56	Mathura Mansi Nala Sewage Treatment Plant A/C Wtd -Era	1997	Yes	Yes	--	-	-

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57	ITDC - Hotel Ashok Bangalore Wastewater Treatment & Recycle System.	1998	Yes	Yes	Yes-	Yes	Yes (Over all guidance)
58	ITDC - Hotel Ashok Bangalore Swimming Pool Filtration Plant	1998	Yes	Yes	Yes-	Yes	Yes (Over all guidance)
59	ITDC - Hotel Ashok Bangalore Cooling Water Softening Plant	1998	Yes	Yes	Yes-	Yes	Yes (Over all guidance)
60	Bharti Health Care Products Limited Daruhera Waste Water Treatment & Recycle Plant	1998	Yes	Yes	Yes-	Yes	Yes
61	ITDC - Hotel Lalita Mahal Palace - Mysore Waste Water Treatment & Recycle System	1998	Yes	Yes	Yes-	Yes	Yes (Over all guidance)
62	UASB Plant Coimbatore Process & System Design (A/C Mukesh & associates)	1998	Yes	Yes	-	-	-
63	Hero Cycles - Ludhiana - Water Management & Recycle of Treated Waste Water within the process and water conservation.	1999	Yes	Yes	-	-	-
64	Preparation of DPR for project on - Artificial Groundwater Recharge & Waste Water Reuse project for Jaipur City (in association with Antea for PHED Jaipur - it is a French Government Aided Study)	1999 Compl eted 2004	Yes	Yes	-	-	-
65	Preliminary Design for Bid preparation for 45 mld Sewage Treatment Plant at Yamuna Vihar Phase Technical Advisor to NIDC (Plant being constructed by UEM India)	1999	Yes	Yes	Yes Review of Design	-	-
66	Assam Urban Water Supply & Sewerage Board 8.1 mld Water Treatment Plant at Silchar – project being executed by GSJ Envo	1999- 2000	Yes	Yes	Yes	-	-
67	Tronica City Waste Water Treatment , Utilization & Disposal for UPSIDC (First Phase of Plant of 5 mld Completed)	1999- 2000	Yes	Yes	Yes	Yes	Yes

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68	Jindal Imaging Limited - Coated inkjet Polyester Film & Paper coating plant at Mundegaon – Dist Nasik – WWTP– including reuse of treated waste water for cooling & horticulture (<i>Preliminary Design in association with DCEL</i>)	2000	Yes	Yes	-	-	-
69	APS Beas –100 m3/d STP using Natural Technology (with DCEL) – to be executed by AWHO	2000	Yes	Yes	Yes	-	-
70	NTPC Talcher 2.65 mld Sewage Treatment Plant (project being executed by GSJ Envo and Wtd Era Delhi)	2000	Yes	Yes	Yes	-	Yes (overall supervision)
71	Parle Biscuits Neemarana 125 m3/d Wastewater Treatment Plant for– (project being executed by UTB- Budapest & GS Builders & Contractors-Delhi)	2000	Yes	Yes	Yes	-	Yes (overall supervision)
72	1000 m3/d WWTP & Water reuse Plant for DDA Qutab Golf Course at Lado Sarai (Under Execution by DDA)	2001	Yes	Yes	Yes	Yes	Yes (overall supervision)
73	Water Management Study – Delhi Golf Club	2001	Yes	-	-	-	-
74	ITDC – Hotel Ashok Chandigarh 135 room Hotel Waste Water Treatment & Recycle System	2001	Yes	Yes	Yes-	-	Yes (overall supervision)
75	DDA Millennium Park along Ring Road Delhi - Treated Effluent Reuse & use as horticulture 1000 m3/ day (under Execution by DDA)	2001	Yes	Yes	Yes	-	Yes (overall supervision)
76	Detailed Engineering & Design for 250 m3/d WWTP for Parle Biscuits Bhadrugarh – project being executed by UTB- Budapest & GS Builders & Contractors-Delhi	2001	Yes	Yes	Yes	-	Yes (overall supervision)
77	Detailed Engineering & Design for 360 m3/d WWTP for Orient Ceramics Limited – project being executed by UTB- Budapest & GS Builders & Contractors-Delhi	2001	Yes	Yes	Yes	-	Yes (overall supervision)

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78	Due Diligence and review of designs for SPML –OTV JV <ul style="list-style-type: none"> ○ project –10 mld STP at Yelanka Bangalore and for SPML – ○ Project 24 mld CETP at Okhla New Delhi 	2001	-	Yes	Yes-Review	-	-
79	Technical Study & Consultancy for Assessment & Recommendation of Corrective measures of 130 mld Activated Sludge Plant & 36 mld combined Sewage + Tannery Waste UASB Treatment plant at Jajmau – Kanpur - retrofitting to enable it to achieve the desired treatment standards for UP Jal Nigam	2001-2002	Yes	-	-	-	-
80	B&L Eyecare Division Bhiwadi – ETP (For Dalal Consultants Pvt Ltd)	2001	Yes	Yes	Yes	Yes	Yes (overall supervision)
81	Environmental -Pre Audit and Audit for reviewing Legislative Requirements existing Status and action required with budgetary for legislative compliance leading to ISO 14000 Certification for Gabriel India Limited EBD & RCD	2001 Contin uing work	Yes	-	-	-	-
82	Perfetti India Limited Confectionary Manesar Unit Waste Water Treatment plant of 200 m3/d Retrofitting capacity with a BOD of 7000 mg/l Total Process & Detailed Design Engineering – plant involving Anaerobic + Aerobic treatment and mechanical sludge dewatering	2002	Yes	Yes	Yes	Yes	Yes
83	Preliminary design and preparation of procurement / tender specifications for RUDIP / ADB – Waste Water Treatment Plants at Ajmer – one of 8 mld involving and other for 20 mld	2002	Yes	Yes	-	-	-
84	Piaggio Motor Cycle Project – New Project Preliminary Environmental Report & specifications for Waste Water Treatment plant for “Zero ‘ Discharge (for Dalal Consultants- Delhi)	2002	Yes	Yes	-	-	-
85	Hotel Samora STP & Water Reuse (Engineering Services to Sukruti – EPC Contractor)	2002	-	Yes	Yes	Yes	Yes (overall supervision)

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85	TC Pharma Modinagar ETP (Through Dalal Consultants Ltd)	2002	Yes	Yes	-	-	-
86	Bhiwadi Industrial Area CETP – Detailed Engineering for JV of GSJ Envo & Migrani Envirotech Pvt Ltd	2002-2003	-	Yes	Yes	-	Yes (overall supervision)
87	Bharat Electronics Limited Communal Liquid Waste Treatment & Bio Gas Generation from Kitchen Waste	2002	Yes	Yes	Yes Review	Yes	Yes (overall supervision)
88	Asahi Glass Limited - Glass Grinding Waste Water Treatment & Treated Water Recycle Plant -	2002	Yes	Yes	Yes	-	Yes
89	Prakash Industries Ltd – 250 m3/d STP	2003	Yes	Yes	Yes	-	Yes
90	Bharat Electronics Limited 275 m3/d Communal Liquid Waste	2003 ongoing	Yes	Yes	Yes	-	-
91	Abbott Cold Storages Pvt Ltd.- 700 m3/day ETP for Meat Processing unit	2003	Yes	Yes	Yes	Yes	Yes
92	Hotel Regent Holiday Resort – Manali, 35m3/d WWTP. (Engineering Services to Sukruti – EPC Contractor)	2003	-	Yes	Yes	-	-
93	Tronica City- Apparel Park at Gaziabad for UPSIDC- 8 mld CETP for Apparel Industries.	2004	Yes	Yes	Yes	-	-
94	Special Economic Zone – Moradabad for UPSIDC – 4.8 mld CETP for Electroplating Industries.	2004 Ongoing	Yes	Yes	Yes	-	-
95	Industrial Zone – Jainpur for UPSIDC – 4.0 mld CETP	2004	Yes	Yes	Yes	-	-
96	CETP Rooma, Kanpur for UPSIDC	2004	Yes	Yes	Yes	-	-
97	Delhi Golf Club – 2500 m3/d Tertiary Treatment for DJB Sewerage water & use in Horticulture.	2004	Yes	Yes	Yes	Yes	Yes
98	Brittania Uttaranchal – 75m3/d ETP	2004	Yes	Yes	Yes	Yes	Yes
99	Perfetti Chennai – ETP Revamping for 250m3/d.	2004	Yes	Yes	Yes	Yes	Yes
100	DDA Astha Kunj – 4 km Pipeline Laying for using water from OKHLA Treatment plant for Horticulture	2004	Yes	Yes	Yes	Yes	Yes
101	Magnum Power Limited – Gurgaon, Oily Waste Water Treatment Plant (Engineering Services to SIMA Labs –EPC Contractor)	2004	-	Yes	-	-	-
102	Hotel Jash Trident , Khajuraho- WWTP (Engineering Services to SIMA Labs –EPC Contractor)	2004	-	Yes	-	-	-

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103	Terax Vectra equipments Pvt Ltd, Noida. 40 m3/d WWTP. (Engineering Services to SIMA Labs –EPC Contractor)	2004	-	Yes	-	-	Yes (overall supervision)
104	Freshtex Orient Craft Pvt Ltd.	2004	-	Yes	-	-	-
105	Perfetti Bangladesh , ETP	2004	Yes	Yes	Yes	Yes	Yes
106	KRBL Dhuri Total Environment management consultancy	2004	Yes	Yes Review	Yes Review	-	-
107	Retrofitting of Perfetti Van Melle Chennai Unit Waste Water Treatment plant of 200 m3/d	2004	Yes	Yes	Yes	Yes	Yes
108	Dabur Uttranchal Project WWTP 600 m3/day hi strength waste water (as a sub-consultant to Dalal Mott McDonald - Delhi)	2004	Yes	Yes	-	-	-
109	Dabur Siliguri Fruit Juice Project (Pineapple / Leechee /Mango / Apple / Tomatoes etc) Project WWTP 500 m3/day (as Sub Consultant to Dalal Mott McDonald - Delhi)	2004	Yes	Yes	-	-	-
110	Britannia India Limited Uttranchal Biscuits Project Waste Water Treatment Plant	2005-	Yes	Yes	Yes	Yes	Yes
111	Tronica City Apparel Park CETP Capacity 4 mld For UPSIDC	2005	Yes	Yes	Yes	-	Yes Review
112	Moradabad SEZ CETP Capacity 4.80 mld – For UPSIDC	2005	Yes	Yes	Yes	-	Yes Review
113	Rooma CETP Capacity 3.1 mld For UPSIDC	2005	Yes	Yes	Yes	-	Yes Review
114	Jainpur CETP Capacity 4.0 mld For UPSIDC	2005	Yes	Yes	Yes	-	Yes Review
115	Delhi Gazipur Rendering Plant Waste Water Treatment Plant 250 m3/day for Municipal Corporation of Delhi (Detailed Engg to FEPCL)	2005	Yes	Yes	Yes	-	-
116	Delhi Gazipur Slaughter House Project Plant Waste Water Treatment Plant 1750 m3/day Municipal Corporation of Delhi (in association with Gherzi Eastern) as consultant to MCD	2006	Yes	Yes	Yes Review	-	Yes assistance & Review

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117	Blue Scope Steels Limited Pune Project (as Sub Consultant to Dalal Mott McDonald - Delhi) for - Industrial Waste Water Treatment Plant - Sewage Treatment Plant - Rain Water & Waste Water Harvesting - Air Emissions Mitigation	2005-2006	Yes	Yes	Yes Review	-	-
118	National Biologicals Quality Centre (Ministry of Agriculture Dept of Animal Husbandry Project) Infectious Waste Water Treatment Plant For UPSIDC	2006	Yes	Yes	Yes	-	Yes Review
119	Perfetti Van Melle Srilanka Unit Waste Water Treatment plant 50 m3/day ETP	2006	Yes	Yes	Yes Review	-	Yes Supervisory
120	Alsthom GPP Sewage Treatment Plant (A/C Sukriti Engineers)	2006	Yes	Yes	Yes	-	-
121	Perfetti Van Melle Uttranchal Unit at Rudrapur Waste Water Treatment plant of 165 m3/d	2006	Yes	Yes	Yes	Yes	Yes Supervisory
122	Kasna WWTP Capacity 5.60 mld For UPSIDC	2006	Yes	Yes	Yes	Yes	Yes Advisory& review
123	Surajpur Integrated Industrial Area WWTP Capacity 9.0 mld For UPSIDC	2006	Yes	Yes	Yes	Yes	Yes Advisory & review
124	Due Diligence Advisor to UPSIDC for Industrial Area EIA studies for i) Apparel Park Tronica City ii) SEZ Moradabad iii) Integrated Industrial Area Jainpur iv) Chola Integrated IA v) Mossorie Galauti Extension IA vi) SEZ IA Kanpur vii) Kosi Kotwan Extn IA Mathura viii) SEZ IA Project Badhoi ix) Rooma Extension IA Kanpur For UPSIDC	2006	Yes Report review only	-	-	-	-

S No	Project	Period	Report & DPR	Basic Engineer-ing	Detailed Engineer-ing	Project Manag-e-ment	Project Comissi-oning
125	9 mld Sewage Treatment Plant @ Partapgarh UP (A/C Jyoti BuildTech)	2006	Yes	Yes	-	-	-
126	Haryana 8 Towns Master planning , Feasibility Report and DPR - Faridabad, - Gurgaon, - Karnal, - Panipat, - Sonapat, - Yamunanagar-Jagadhri, - Bahadurgarh, - Rohtak. under YAP-II as Waste Water Treatment Experts (In association with CH2M Hill + Stup Consultants + Spatial Decisions)	2006	Yes Partially	-	-	-	-
127	Gabriel RCD, Khandsa ETP- Paint Shop 16 m3/day	2007	Yes	Yes	-	-	-
128	Jalandher Leather-CETP (Preliminary DPR for PPP)	2007	Yes	-	-	-	-
129	Zirakhpur Town Sewage Treatment Plant -22 MLD Bid Specifications issued (with STUP Consultants)	2007	Yes	Yes	-	-	-
130	Sewage Treatment Plant Capacity -1 Mld at Shatabadi Nagar Meerut System Design Services rendered to Techno Economics Services	2007	-	Yes	-	-	-
131	WTP for Commonwealth Games Village Capacity 4.5 mld Bid Specifications (With STUP Consultants)	2008	Yes	Yes	Yes Review	-	Yes Review
132	Sewage Treatment Plant Capacity -15 Mld at Ved Vayas Puri Meerut System Design Services rendered to Techno Economics Services	2007	-	Yes	-	-	-
133	Perfetti Van Melle Bangladesh ETP-50 Kld	2008	Yes	Yes	Yes	-	Yes
134	Fiat Auto Rajangaon Pune ETP : 2 mld STP : 0.8 mld Designed for Sima Labs P. who was EPC contractor	2008	-	Yes	Yes	-	Yes
135	9 mgd STP based on SBR Technology at Chilla for DJB (with STUP Consultant)	2009-	Yes	Yes	Yes Review	-	Yes Review

S No	Project	Period	Report & DPR	Basic Engineer-ing	Detailed Engineer-ing	Project Manag-e-ment	Project Comissi-oning
136	Sewage Treatment Plant Capacity -7 Mld at Pallavpuram Meerut System Design Services rendered to Spectrum Enviroclean Systems	2009	-	Yes	-	-	
137	Capacity -15 Mld at Sports Goods Complex Meerut System Design Services rendered to Techno Economics Services	2009	-	Yes	-	-	-
138	Sewage Treatment Plant Capacity -6 Mld at Sanik Puri Meerut System Design Services rendered to Techno Economic Services	2009		Yes			
139	Mirha Export (slaughter House) at Dera Bassi Punjab ETP-500 m3/day	2009	Yes	Yes	Yes	-	Yes Supervisory
140	Sewage Treatment Plant Capacity -6 Mld at Shradapuri Meerut System Design Services rendered to Techno Economic Services	2009		Yes	-	-	-
141	UPSIDC Khursi Road STP-3 mld based on SBR technology	2010	Yes	Yes	Yes Review	-	Project under execution
142	UPSIDC,Bassi Drain Tronica City WWTP-20 mld Ghaziabad <u>Presently Project on Hold due to Administrative Issues at UPSIDC .</u>	2010	Yes	Yes	Yes Review	-	-
143	Sewage Treatment Plant Capacity -10 Mld at Lojia Nagar Meerut System Design Services rendered to Techno Economic Services	2010	-	Yes	-	-	-
144	Perfetti Van Melle-Manesar, Gurgaon ETP-360 Kld, (of high strength wastewater) (Project under Commissioning)	2010	Yes	Yes	Yes	Yes	Yes Supervisory
145	Britannia Ind. Ltd. Delhi Up gradation & retrofitting of ETP to 50 KLD (Commissioned)	2010	Yes	Yes	Yes	Yes	Yes

S No	Project	Period	Report & DPR	Basic Engineer-ing	Detailed Engineer-ing	Project Manag-e-ment	Project Comissi-oning
146	Britannia Ind. Ltd., Hajipur, Patna Bihar, ETP-50 Kld, (Plant under commissioning)	2010	Yes	Yes	Yes	Yes	Yes
147	Britannia Ind. Ltd. Khurda IA Orissa, ETP-50 Kld	2010	Yes	Yes	Yes	Yes	Yes
148	Sewage Treatment Plant Capacity -20000 gpd, For Hospital Residential Project at Kandahar Afghanistan (Designed system for Sukriti Engineers who exported to Kainat Group in Afghanistan)	2011	-	Yes	Yes	-	-
149	Sewage Treatment Plant Capacity -16 mld, with <u>treated water good for reuse for non direct human contact</u> For Adani Shantigram Township, Gujarat Project started May 2011 Completion Dec 20 12	2011	Yes	Yes	Yes Review		Yes Supervisory
150	Water Treatment Plant Capacity 12 mld, For Adani Shantigram Township, Gujarat Project started May 2011 Completion Dec 20 12	2011	Yes	Yes	Yes Review	-	Yes Supervisory
151	Delhi Sewerage Master Plan 2031 As sub-consultant to AECOM for expert services for Sewage Treatment Plant Up-gradation of existing STPs and for new decentralized Sewage Treatment plants (ongoing study extending from 2010-2012)	2011	Yes	Yes	-	-	-

Engineers (for specific projects on a project to project basis)

- STUP Consultants Limited Delhi as Wastewater Treatment Technology Expert (for specific projects on a project to project basis)
- AECOM – on a project to project basis