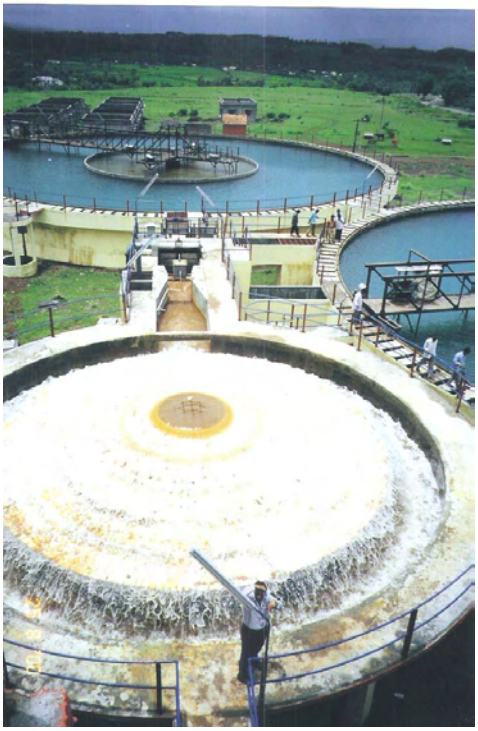
Job Profile

Basic Engineering, Detailed Engineering
Guidance- Execution & Commissioning

Water Treatment Plants, Solid-Liquid Separation systems, Sewage Treatment Plants



KCON PMC PVT LTD

Water & Waste Water Treatment plants & solid liquid separation.

Office : 5/87 Shubhankaroti , Near Bytco College, Nashik Road - 422 101, Maharashtra, INDIA. Phone/ Fax: 91-253-2456655, 2469696

Email : kcon@vsnl.com, info@kconsultation.com

Website : www.kconsultation.com

K con PMC Private Limited

is a 25 years old design and engineering consultancy firm based in India, founded by Dr.J.N Kardile and Mr. Shirish J. Kardile. We specialize in water treatment systems and solid-liquid separation. We work in private, industrial, municipal and government sectors. Our founders have a cumulative experience of seventy years in this field.

We have to our credit about 500 plants around the world including countries / clients based in India, United States, China, Taiwan, Iraq, Bangladesh, Singapore, Vietnam, Philippines, Malaysia, Pakistan and Kazakhstan.

We have a vast range of experience in designing systems from 5 cum/hr to 10,000 cum/hr. We have published more than 25 papers in the conferences of American Water Works Association (A.W.W.A), International Water Association (I.W.A.) and Indian Water Works Association (I.W.W.A). We have also published a " Manual on Augmentation and Up-gradation of water treatment plants" for Indian Water Works Association (I.W.W.A) and a book "Simple Methods in Water Purification".

We offer simple but sustainable and cost effective solutions. We believe that Quality can never be compromised.

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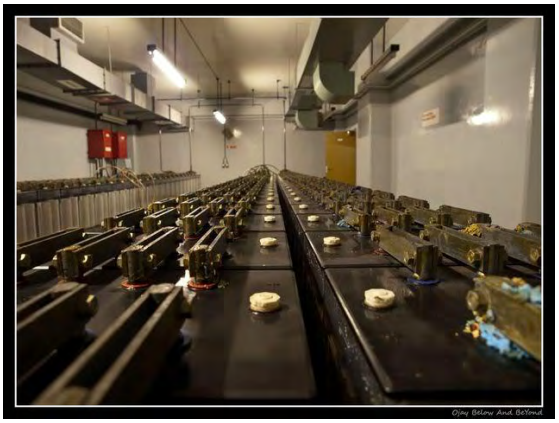
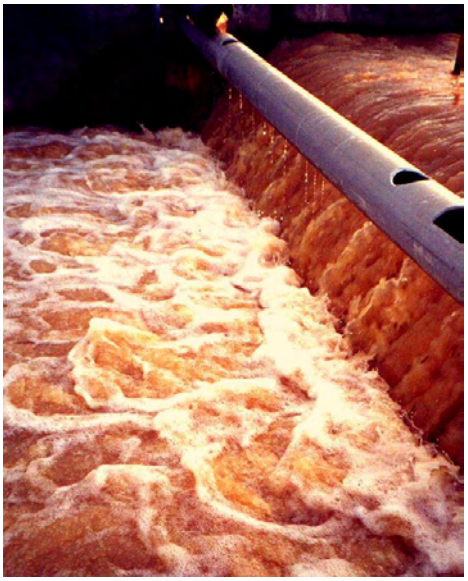
Website : www.kconsultation.com

List of papers published by K con PMC Pvt. Ltd.





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Email : kcon@vsnl.com, info@kconsultation.com

Website : www.kconsultation.com

By our founder Dr. J.N Kardile

1. Crushed Coconut Shell as a new filter media for dual and multi-layered filters
Journal of Indian Water Works Association (IWWA), Vol.IV, No.1 (1972), Presented at the Annual Convention of IWWA 1972

2. Simplified rapid sand filters for rural areas
Journal IWWA, Vol.IV, No.3 (1972)

3. Water treatment problems in rural areas
Journal IWWA, Vol.V, No.1 (1973), Presented at the Annual Convention of IWWA 1973

4. Development of ground Water sources for rural water supply schemes
Journal IWWA, Vol.V, No.2 (1973)

5. An unconventional 0.50 mgd treatment plant for Ramtek Town, Nagpur
Journal IWWA, Vol..VI, No.1 (1974)), Presented at the Annual Convention of IWWA 1974

6. One year observation on filter plant at Ramtek near Nagpur
Journal IWWA, Vol.VI, No.1 (1976), Presented at the Annual Convention of IWWA 1976

7. A new unconventional treatment plant at Varangaon
Journal IWWA, Vol.X, No.1 (1978), Presented at the Annual Convention of IWWA 1978

8. A new unconventional treatment plant for Chandori Village
Journal IWWA, Vol.XI, No.1 (1979), Presented at the Annual Convention of IWWA 1979

9. Ph.D. Thesis on the “Development of simple and economic filtration methods for rural water supplies”, Nagpur University, February 1980

10. Augmentation of Water Treatment Plant at NasikRoad (Maharashtra) by application of New Techniques
Journal IWWA, Vol.XIII, No.II1 (1979), Presented at the Annual Convention of IWWA 1979
11. Development of simple and economic filtration methods for rural water supplies
Journal of IWSA “WASSAR BERLIN 1981”issue of “AQUA” No.1 (1981)
Presented at specialized conference on “Low Cost Technology” held at Berlin in April,1981

12. “ Simple methods in Water Purification” : Book published in 1987

KCON PMC PVT LTD
Water & Waste Water Treatment plants & solid liquid separation.
Office : 5/87 Shubhankaroti , Near Bytco College, Nashik Road - 422 101, Maharashtra, INDIA. Phone/ Fax: 91-253-2456655, 2469696
Email : kcon@vsnl.com, info@kconsultation.com
Website : www.kconsultation.com

By our founder Mr. S.J Kardile

1. Simplified pretreatment plant of 9.0 mld capacity at Bilaspur
JIWWA, Jan-Mar 1988, Presented at Annual Convention-Indore

2. A 30 mld capacity Tube Settling Plant
JIWWA, Jan-Mar 1991, Presented at Annual Convention - Ahemadabad

3. Shallow depth sedimentation technique: Tube Settlers and it's application to small capacity plants
International Conference on Rural Water Supply and Sanitation for Developing Countries, Nagpur-1992

4. Evaluation of performance of new technology – A highrate unconventional plant at Trimbakeshwar
JIWWA, Jan-Mar 1993, Presented at Annual Convention – Mumbai

5. Advancement and simplification in Operation and Control of Rapid Gravity Filter Beds
Journal IWWA, Oct-Dec 1998

6. Standardization of small capacity plants for mass application in the state of Maharashtra (co-author)
National seminar on "Recent advances in water treatment" at Pune (IWWA), Dec1999

7. Doubling the plant capacity – A case study with Clariflocculators (co-author)
National seminar on "Recent advances in water treatment" at Pune (IWWA), Dec1999

8. Augmentation of Clariflocculators – End of a successful journey (co-author)
Seminar on Water Quality Management at Nashik (IWWA), Oct 2000.

9. Packaging of small plants in Maharashtra
National Symposium on Water treatment at Nagpur, IWWA, July 2001

10. Upgradation of Clariflocculators – A case study , (co-author)
National Symposium on Water treatment at Nagpur, IWWA, July 2001

11. Augmentation of Clariflocculators : A case study , (co-author)
IWA specialized conference on "Water and waste water technology and management " at Kualalumpur in Oct 2001.

12. Going unconventional is the only way out, Gravity head ensures a full-fledged treatment: A case study
AWWA Annual Conference, New Orleans, June, 2002

13. Qualitative upgradation of sludge blanket type settling tanks : A case study
(co-author) , IWA-WAPDEC Conference, New Delhi, January, 2003

14. IWWA Manual (M5) on " Augmentation and Upgradation of Water Treatment Plants".
Published at IWWA Annual Convention, New Delhi, February, 2003

15. Augmentation of Water Treatment Plants in Urban Centers – Is the Situation right and ripe?, *IWWA Seminar on Urban Water Supply Problems, Ahemadabad, June 2005*

16. A few case studies on augmentation of Water Treatment Plants: *IWWA Seminar, Ahemadabad, June, 2005*

17. Source water deterioration compels a 30 year old plant to undergo retrofit – A case study
AWWA Annual Conference (ACE-06), San Antonio , Texas June, 2006

IWWA - Indian Water Works Association, (Hq.Mumbai)
IWA - International Water Association (Hq. London, Erstwhile IWSA)
AWWA - American Water Works Association (Hq.Denver)

List of Certificates presented to our Founders & Kcon PMC Pvt. Ltd.

Maharashtra Water Supply & Sewerage Board

Executive Engineer
Environmental
Engineering
Works Division, Nasik

Holaram Colony,
Sadhu Waswani Lane,
Trimbak Road,
Nasik-422002.
☎ Off : 72908,(D) 71404
Resi : 72781 (STD-0253)

16th October,1991

TO WHOM-SO-EVER CONCERNED

This is to certify that the performance of the Raw Water Treatment Plants constructed at " Trimbakeshwar" (Capacity 2.4 Million litres per day) and at 'Igatpuri' (Capacity 2.8 Million litres per day) is found to be completely satisfactory since the commissioning of these plants in April, 1991 and July 1991 respectively. The treated water quality is as per the parameeers laid down by the Govt. of India's'Mannual on Water Supply and Treatment'. The hydraulic units of the plant include gravel bed flocculators, tube settling tanks and dual media filters. The hydraulic and process design and drawings for the plants are supplied by M/s. K Consultatation, Nasik Road, Maharahshstra.

EXECUTIVE ENGINEER,
E.N.E.WORKS DIVISION,
NASHIK.

Maharashtra Water Supply & Sewerage Board

SUPERINTENDING ENGINEER
Environmental Engineering Circle.
Central Building, PUNE - 411 001.
Phone : (STD 0212) 66 78 66 (D)
: 66 42 90 / 66 64 07
: 66 58 04 / 66 65 96
Telex No. : 145 - 7735.

Pune-1.
Date : 1/12/1993

CERTIFICATE

This is to certify that M/s. K. Consultation, Nasik Road, Maharashtra have provided type design for simplified water treatment plant of capacities 1.0 Mld, 1.25 Mld., 1.5 Mld., 2.0 Mld., and 2.5 Mld. including technical specifications and estimates for Environmental Engineering Circle, Pune. Based on the type design a number of plants are being constructed by Environmental Engineering Circle, Pune. The treatment plant at Urali-Kanchan (1.75 Mld), Bhor (2.0 Mld) and Malegaon, Baramati (1.75 Mld) have been commissioned and the performance was found to be satisfactory in the mansoon of 1993. The treated water quality was found to be in accordance with the norms laid down by C.P.H.E.E.O Manual (Ministry of Urban Development, New Delhi, Edition-1991).

(S.V.Shelkikar)
Superintending Engineer,
Environmental Engineering Circle,
Pune-1.

--

MAHARASHTRA WATER SUPPLY AND SEWERAGE BOARD

SUPERINTENDING ENGINEER

ENVIRONMENTAL ENGINEERING CIRCLE
"JEEVANDHARA" BEHIND AKASHWANI,
JALGAON 425001

STD: 0257
Direct ☎ 27396 Resi.: ☎ 23882
Off.: ☎ 23881, 23614, 23424, 23417, 25241,
Fax. No. 0257-27291

Dt.27th Nov.1995

CERTIFICATE

TO WHOM SOEVER CONCERNED

This is to certify that M/s K.Consultation, Nasik Road Maharashtra have provided consultation services, including hydraulic and process designs, drawings and guidance for the following water treatment plants.

1. Conventional W.T.P.of capacity 10.50 MLD at Chopda District Jalgaon (Agency M/s Jain Construction

2. Conventional W.T.P.of capacity 9.22 MLD for 81 villages R.R.W.S.Scheme (Bodwad group) - Agency M/s Jain construction, Nagpur

3. Unconventional W.T.P.of capacity 4.60 MLD for 51 villages RRWSS at Nimb, Amalner (Agency - M/s K.N.N.Naidu, Nagpur)

4. Unconventional W.T.P.of capacity 2.40 MLD at Nardane, District - Dhule (Agency - M/s Vijay Construction Co.Dhule)

The plants are commissioned satisfactorily and the performance is found to be in accordance with the guidelines of CPHEEO Manual. (Ministry of Urban Development, New Delhi)

NO.EECJ.TB./2319
Dated : 27/11/95

(N.S.YAKKUNDI)
Superintending Engineer,
ENE Circle,Jalgaon

ZAMBARE:

Maharashtra Water Supply & Sewerage Board

SUPERINTENDING ENGINEER
Environmental Engineering Circle
Central Building, PUNE - 411 001
Phone (STD 0212) 667866 (D)
666407
666596
Telex No. 145 - 735

No. TB/ 2720 /1990.

Pune-1. Date : 30/4/1990.

To,

'K' Consultant,
Nasik Road.

Sub :- Preparation of Design, Drawing, Plans and Estimated, Tender Papers etc.

Sir,

As per personal discussion with you, it is requested to please prepare Design, Plans and Estimates, Tender Papers etc. for following Treatment Plants. Necessary Data may be collected from concerned Executive Engineer. You may visit sites before preparation of Design.

1) Bhor water supply scheme, Tq. Bhor, Dist.-Pune.
2) Akkalkot water supply scheme, Dist. Solapur.
3) Barshi water supply scheme (Old), Dist.-Solapur.
4) Rajgurunagar water supply scheme, Dist.-Pune.

Your consulting charges in individual case may be communicated with break up.

Yours faithfully,

(S.V.Shelkikar)
Superintending Engineer,
Environmental Engineering Circle,
Pune-1.

SRC/-25/4/90

Copy forwarded to the Executive Engineer, Environmental Engineering Works Division, Pune/Solapur/Environmental Engineering Development Division, Pune-16.

--

Gujarat Water Supply & Sewerage Board

Telephene : 84645

Telegram : 'Supenhealth'

Office of the
SUPERINTENDING ENGINEER
PUBLIC HEALTH CIRCLE,
1, Sangna Society,
Near Navyug College,
Rander Road,
SURAT-395009.

Ref. No. :

Date : 4/10/90

TO WHOM SO-EVER CONCERNED

This is to Certify that the work of 1600 cum/hr. and 80 cum/hr. Capacity conventional water treatment plant at Palej and Nand (Dist. Bharuch) a world Bank Project has been awarded to M/s. Manubhai C. Intwala, Bilimora Gujarat. The work is under execution M/s. K. Consultation Nashik Road, Maharashtra who are the hydraulic and process consultants to the work have completed the designing and drawings for the project satisfactorily.

(C.N. PATEL)
Superintending Engineer,
Public health Circle,
Gujarat w/s. & Sew.Board.
Surat.

Chief Supdt. Engr. (P.H.) G.W.S. and Sew. Board. SURAT.

Gujarat Water Supply & Sewerage Board

Telephone : 84645

Telegram : 'Supenhealth'

Office of the
SUPERINTENDING ENGINEER
PUBLIC HEALTH CIRCLE,
1, Sangna Society,
Near Navyug College,
Rander Road,
SURAT-395 009.

Ref. No. :

Date : 4-10-90

TO WHOM SO-EVER CONCERNED

This is to Certify that the work of 1600 cum/hr. and 80 cum/hr. Capacity conventional water treatment plant at Palej and Nand (Dist. Bharuch) a world Bank Project has been awarded to M/s. Manubhai C. Intwala, Bilimora Gujarat. The work is under execution M/s. K. Consultation Nashik Road, Maharashtra who are the hydroulic and process consultants to the work have completed the designing and drawings for the project satisfactorily.

Supdt. Engr. Circle Guj. W.S. and Sew. Board SURAT.

(C.N. PATEL)
Superintending Engineer,
Public health Circle,
Gujarat w/s. & Sew.Board.
Surat.

INDIAN WATER WORKS ASSOCIATION
R & D and Nagpur Centre,
North Ambazari Road,
Nagpur-440 010 (INDIA)
Gram : IWWA
OFF. : 6.30 to 8.30 P.M.
Phone : (0712) 535744

International Conference on Nagpur (India) 4-7 January 1992

"RURAL WATER SUPPLY & SANITATION FOR DEVELOPING COUNTRIES"

S. S. Patwardhan
Convenor,
Member Secretary
MWSSB, Bombay
Ph : (O) : (022) 2025354
(R) : (022) 2024501

S. M. Dhabadgaonkar
Co-convener,
Ph : (R) : (0712) 534274

S. S. Kulkarni
Org. Secretary, Nagpur
Ph : (O) : (0712) 526750
(R) : (0712) 525485

S. D. Shangarpawar
Co-org. Secretary
Ph : (O) : (0712) 520988
(R) : (0712) 533713

D. K. Bhasale
Chairman
IWWA, Nagpur Centre
Ph (O) : (0712) 533312
(R) : (0712) 533799

K. V. Sivudu
Hon. Secretary
Ph : (O) : (0712) 534318

Ref. No. : Int. Conf : P-50 Date :

C E R T I F I C A T E

This is to certify that Mr./Mrs./Dr./Ms. S.G. KARDILE

from .....

has presented a paper on SHALLOW DEPTH SEDIMENTATION TECHNIQUES TUBE SETTLERS AND ITS APPLICATION TO SMALL CAPACITY PLANTS.

during the International Conference on " Rural Water Supply and Sanitation for Developing Countries" held at Nagpur, from 04-07 January, 1992.

Place :: Nagpur
Dated : 6/1/92

(DR. S.S. KULKARNI)
Organizing Secretary

A little fragrance always clings to the hands that cuts away the rose! Achieving economy by using local materials & simplified methods for increasing the rate of filtration are important aspects which are receiving attention of Water Works Engineers.

Dr. J. N. Kardile, *one such distinguished Engineer who has achieved this by way of learning through research in MERI Nasik, and the practical experiences in field, for low cost technology using crushed coconut shell as a media for filtration in water treatment, a recipient of Doctorate from Nagpur University & Honorary Member of IWWA, author of book "Simplified Methods in Water Treatment" to whom IWWA Pune Centre felicitates on this day of 10th December 1999.*

Organising Committee for Seminar on

RECENT ADVANCES IN WATER TREATMENT

INDIAN WATER WORKS ASSOCIATION, PUNE CENTRE

INDIAN WATER WORKS ASSOCIATION

Bombay

The President and Members of
the Council of Management
hereby confer the distinction of

HONORARY MEMBER

on Shri *Jayant Narayan Kardile*
on the occasion of the
22nd Annual Convention
at *Pune* on *18 Jan 1990*
for distinguished services in the field of
Environmental Engineering, and
specially Waterworks.

Dated: *18 Jan 1990*

President

INDIAN WATERWORKS ASSOCIATION
BOMBAY

To provide clean water to the millions in cities and villages is one of the major task with which we are all concerned. Achieving economy by using local materials and increasing the rate of filtration are important aspects which has been receiving attention of engineers and scientists. One of the few distinguished engineers who has achieved this is

DR J N KARDILE

A graduate in civil engineering from Bombay University Dr Kardile obtained Master's degree in Public Health Engineering from Calcutta University. He was on WHO fellowship study in Yugoslavia and U.K. in 1976. He obtained Ph. D from Nagpur University in 1980 on the actual plant study on the subject "Development of Simple and Economic Filtration Methods for Rural Water Supplies".

He served in the Public Health Engineering Department of Govt. of Maharashtra and in the Maharashtra Water Supply & Sewerage Board. For a major period, he worked in the Environmental Engineering Research Centre of Maharashtra Engineering Research Institute at Nasik.

Due to high cost of construction and maintenance of conventional filtration plants, particularly for small capacity, he decided to devote his services mainly for the search of simple and low cost methods for providing water treatment plants in rural areas. With this aim in view he developed Ramtek Filter in 1972 with a totally new and innovative idea of gravel bed prefilter followed by dual media filter. for the first time he used crushed coconut shell media over fine sand layer, in a dual media filter which proved to be a low cost alternative, particularly for low turbidity water sources. Thereafter he developed Varangaon Filter for the treatment of highly turbid water. This plant includes gravel bed floccurator followed by tube settlers and dual media filter beds. For treatment of medium turbidity sources he developed Chandori Filter with a new idea of pretreator followed by simplified filter.

For his innovative ideas he obtained two patents. He donated Rs. 22,500/- from the royalty received from the patents, for the construction of office building for IWWA at Bombay.

He has contributed eight papers on his research work in the Journal of Indian Water Association and two of these got prizes. A paper on his Ph. D work was presented at the "WASSER" Berlin Conference. He was awarded a prize under 'cash your ideas' by Central Board of Irrigation and Power. He was also awarded merit certificate by Government of Maharashtra. He is the author of a book titled "Simple Methods in Water Purification".

In recognition of his creative work in development of low cost simple methods in water treatment, the HONORARY MEMBERSHIP OF THE INDIAN WATER WORK ASSOCIATION is hereby conferred on

DR J N KARDILE

Awarded

The President and Members of

WORLD HEALTH ORGANIZATION
REGIONAL OFFICE FOR SOUTH EAST ASIA

ORGANISATION MONDIALE DE LA SA
BUREAU REGIONAL DE L'ASIE DU SUD-EST

Tel.: 331 7804 - 23 Telex: 31-65031 & 31-65095

In reply please refer to :
Prière de rappeler la référence: IND CWS 001/D

Dr J.N. Kardile
Consulting Engineer
5/87, Shubhankaroti
Near Nasik Road College
Nasik Road-422101

Dear Dr Kardile,

27 April 1988

Thank you for your letter JNK of 15 April 1988 and for the book "Simple Methods in Water Purification". I have read this book with much interest and found it very interesting and useful. It is a result of your hard work and I must congratulate you for this excellent piece of work.

Even though I visited Nasik several years ago, I still remember the fruitful discussion we had on evolving simple and cheap methods for water purification. I would certainly wish to see your works again, should there be plans to visit Nasik again.

With warm personal regards,

Yours sincerely,

Mr Mohan Lal Gupta
Chief, Promotion of Environmental Health
for Regional Director

cc: EHS

tries like cement, fertilizers, ceramics, milk powder, flour, powder metallurgy, etc.

The BMSIMUL is a complete simulation package for optimising an existing Ball Mill as well as to design new Ball mill powdering systems.

Both the packages are being used in the industry.

CERTIFICATES OF MERIT

Mr. Vipul P. Jain and Mr. P.R. Inamdar of M/s. Kale Consultants Private Ltd. have been awarded the CDC certificate of Merit for their successful development and commissioning of real time hospital management system.

Large hospitals have many challenging problems to face like admission procedures, allotment of beds, treatment of patients, billing and discharge formalities etc. in their day to day management.

The task of Mr. Vipul P. Jain and Mr. P.R. Inamdar involved a thorough study of the existing procedures from admission of patients through the hospital treatment systems upto the discharge of patients and finally preparation of comprehensive computerised system for on line application.

The system which has been implemented has ensured increased administrative efficiency, better patient service, cost control, improved utilisation of facilities and effective management information system.

The contribution of the consultants had been acknowledged by the user hospital as confirming to meet all specialised needs of the institution and the system has been now

Mr. Shirish Jayant Kardile of M/s K. Consultation, a proprietary consultancy, Nasik Road, Maharashtra has been awarded the CDC Certificate of Merit for his successful development of a simplified water treatment plant for industrial applications.

This Simplified Water Treatment Plant has no mechanical or electrical system. It has been effective in attaining a turbidity level of 50 to 100 ppm from a very high level of 30,000 ppm in the raw water used. The system has been acknowledged as appropriate for Indian conditions and it needs much less space, lower investments and less maintenance cost compared with conventional water treatment plants.

The 9 million litres per day unit installed in a paper plant has been functioning well and the system with certain modifications effected by the consultant has also been used for recycling waste water to reduce demand on fresh water with attendant cost advantages.

CONSULTANCY DEVELOPMENT CENTRE
Apartment E-1, Qutab Hotel,
New Mehrauli Road,

ANNUAL CDC AWARDS FOR MERITORIOUS YOUNG CONSULTANTS

1988

ANNUAL CDC AWARDS FOR MERITORIOUS YOUNG CONSULTANTS

INTRODUCTION

One of the most important developments in the Indian Industrial scene since Independence is emergence of consultancy. India can now be proud of having very competent professional consultancy organisations covering almost all areas of engineering, technology, infrastructure, construction, energy, finance, management, etc.

The Consultancy Development Centre was established in 1986 as an autonomous registered society supported by the Department of Scientific and Industrial Research, Ministry of Science and Technology with active cooperation of various Associations of Consulting Engineers, such as ACE & NACE the Federation of Indian Export Organisations, etc. The CDC is a dedicated organisation for the upgradation and specialisation of consultancy profession in the country. CDC supports the growth of consultancy with all possible inputs and promotional steps.

The participation of professional consultants in the national development activities be it in the Public or Private Sector is still to gain considerable ground. The main objective of the CDC is to promote proficiency and excellence in consultancy so that it would become an essential input and a welcome necessity rather than just a casual need as at present.

With these objectives the CDC have instituted Annual Awards to confer recognition and encourage consultancy talent and capabilities at the grass root level – the young consultants working individually or in a group.

Any Indian below 35 years of age on the last day of the calendar year for which the Award is announced and who is in the business of consultancy, is eligible for consideration for the Award. Only consultancy projects which are not more than 3 years old after they were completed would be eligible for such awards.

METHODOLOGY

Wide publicity was given for the CDC Award through Press inviting applications from eligible young consultants who have outstanding achievements in consultancy. In response to these advertisements, a detailed structured proforma was sent to each of the applicant to elicit specific information on the applicant, nature of activities, highlights of the project for which the award has been applied for and his specific contribution. After departmental scrutiny, opinions were sought from the referees consisting of both users as well as specialists.

A high level jury under the Chairmanship of an eminent technocrat administrator was constituted. The jury considered all the applications in the short list and assessed them for the grant of the Award. Every aspect relevant to the subject viz., technology, originality, commercialisation, likely impact on foreign exchange, practical application etc. were taken into account while deciding the award.

The jury consisting of distinguished members representing both public and private organisations, and various disciplines like Standardisation, Consultancy, National Research Institutions, Academic Institutions etc. selected the following three young consultants for the CDC Awards for meritorious consultancy for the year 1988 :

A. Cash Award of Rs. 20,000/-	Project
Dr. K. Viswanathan, Particle Technology Consultants, New Delhi	Computer software for Powder size analysis, optimisation and Ball Mill simulation

B. Certificate of Merit

1. Mr. Vipul Jain & Mr. P.R. Inamdar M/s. Kale Consultants Pvt. Ltd. Bombay	On line real time hospital management system
2. Mr. Shirish Jayant Kardile M/s.K. Consultation Nasik Road, Maharashtra	Simplified Plant Design for Water Treatment and Waste Water Recovery

CASH AWARD 1988 Rs. 20,000

Dr. K. Viswanathan, M/s Particle Technology Consultants, New Delhi.

Dr. K. Viswanathan, Particle Technology Consultant, New Delhi is the winner of the first prize cash Award of Rupees Twenty Thousand for the year, 1988 for the successful development of computer software – SIZEANAL for powder analysis and BMSIMUL for Ball mill simulation.

SIZEANAL is a particle size analysis package. Particle size distribution enables one to control and optimise the quality of the powder and also equipment operation producing only the desired particle sizes and control emissions.

Different particle size distributions or their combinations exist in any sample powder. There are different instruments to measure the particle size distribution in such samples, each of them measuring only certain characteristics. The SIZEANAL recognises the interrelationships between the distributions and diameters measured by different instruments and is capable of correlating the data measured by one instrument to that of another. Thus using the data of inexpensive instruments such as a simple sieving set, microscope, etc., SIZEANAL can give the information provided by the expensive instruments and also certain additional parameters such as steepness quality factor. The SIZEANAL also saves capital investment. The use of SIZEANAL results in productivity improvements and also energy conservation and could be effectively utilised in indus-

कन्सलटैन्सी डवलपमैन्ट सैन्टर
CONSULTANCY DEVELOPMENT CENTRE
(Set up by DSIR, Ministry of Science & Technology)
QUTAB HOTEL, APARTMENT E-1, NEW MEHRAULI ROAD, NEW DELHI-110 016
TELEPHONE : 6862196 TELEX : 73119 CABLE : COUNSELINK

P.S. Rajan
Director(Tech)

CDC/1,7(A)/87[illegible]
22nd Feb 89

Dear Mr. Shirish,

On behalf of our Chairman, I am pleased to inform you that the special jury constituted for the evaluation of the applications for our young consultants award for the year 88 has recommended that you be awarded a certificate of merit for your consultancy work on Simplified Water Treatment Plant of 9,0 mld capacity; for Brooke Bond (I) Ltd., Paper Mills at Bilaspur, MP.

The award will be presented to you at a special function to be held specially for this purpose about which you will be intimated in due course.

Our congratulations to you on this honour and we do hope you will serve your clients even better in future.

With best regards,

Yours sincerely

P.S. Rajan

Mr. Shirish Jayant Kardile
K Consultation
5/87 Shubhankaroti
near Nashik Road College
Nashik Road 422101
Maharashtra

Consultancy Development Centre

Presents

The Certificate of Merit

To

Shri Shrish Jayant Kardile

for
Meritorious Consultancy
in the field of

Simplified Water Treatment Plant

for the year, 1988

G. Chandrasekhar
Director General, CDC

S. J/1 A..
Chairman, CDC

New Delhi *APRIL 10, 1989*

N. V. KHAROTE CONSTRUCTIONS (P) LTD.

Regd. Office : SAI-KRUPA APARTMENTS, S. NO. 3/2, NEAR CIVIL DEFENCE TRAINING CENTRE, PARVATI, PUNE - 411 009.
Correspondence Address : "Vishnu Bhavan" 4th Floor, 471, Budhwar Peth, Near Pasodya Vithoba Mandir, Pune - 411 002.
PHONE :+91-20-2444 7508 / 3239 / 6500 3305 FAX :+91-20-2444 1625
E-mail : emailsnk@gmail.com, emailnvk@vsnl.net

Certificate

This is to certify Shri. Shirish Kardile of K. Consultation, 5/87 Shubhankaroti, Vidya Vihar Colony, Nashik Road, Nashik- 422 101, were our Consultants for following Water Treatment Plants, which have been completed & commissioned satisfactorily.

1. 60 MLD Capacity Water Treatment Plant at Puikhedi, Kolhapur under Maharashtra Jeevan Pradhikaran, Kolhapur Division, under agreement no.B-1/CE2/MWSSB, Pune for 1997- 98. The work was completed on 30th November, 2001.

2. Providing constructing commissioning of 60MLD Capacity Water Treatment Plant at Kailana Jodhpur including operation & maintenance for 3 years package JOD/WS/03

   Work completed in March 2007 & O & M completed in June 2010.

For, N.V.Kharote Constructions Pvt.Ltd.

Director

Encl: - Copy of certificate from MJP

No- F 147/NVK/62/2012

Date: - 11.04.2012

MAHARASHTRA JEEVAN PRADHIKARAN

"Maharashtra Jeevan Pradhikaran" Works Division, No. 1, Kolhapur.

KAVALA NAKA,
TARARANI CHOWK,
OPP. FIRE FIGHTER STATION,
KOLHAPUR - 416 001

☎ : (0231) 652501 (Off.)
652502 (P.)
664768 (Res.)

Ref. No. :

Date :

C E R T I F I C A T E

This is to Certify that M/s.N.V.Kharote, Engineers and Contractors, Pune have executed the work of Design, Providing, Constructing and Commissioning of conventional 60 MLD.Capacity Water Treatment Plant at Puikhadi for Improvement and Augmentation to Kolhapur Water Supply Scheme, Ph-I, Part-I, under agreement No.B-1/CE/2/for 1997-98.

Estimated cost	: Rs. 464.57 Lakhs.
Tendered Cost	: Rs. 326.26 Lakhs.
Cost of work executed	: Rs. 364.85 Lakhs.
Date of work order	: April-29th, 1997
Date of Completion	: Oct. 23rd, 2000
Liquidated Damages.	: Nil.

The Water Treatment Plant Comprises of following.

1.Aeration fountain	: 84 MLD.
2.Flash Mixture	: 84 MLD.
3.Clarifloculator.	: 2 Nos.-30 MLD each of 37.25 m.I.D.
4.Rapid Sand filter bed	: 8 Nos. x 7.50 m x 9.00m. for 60 MLD.(7Nos +1 stand by)
5.Overhead Wash water Tank	: Cap.7,00,000 Ltrs.
6.Wash Water Pumps.	: 2 Nos. - 60 H.P.
7.Air Blower.	: 2 Nos. - 30 H.P.
8.Vacum Chorinator.	: 4 Nos.
9.Agitator for Alum and Lime	: 14 Nos.

The agency has completed the construction of and commissioning of the above said work satisfactorily.

Outward No. 2456 /of 2001.
Date- 5th 'Spect- '2001.

Kharote
EXECUTIVE ENGINEER.

COPY:- to M/s.N.V.Kharote, Engineers & Contractors, Pune.

Countersigned
Superintending Engineer,
Mah. Jeevan Pradhikaran Circle,
Kolhapur

* * *

Superintending Engineer,
Mah. Jeevan Pradhikaran
Circle, Kolhapur.

Patents received by our Founders.

GOVERNMENT OF INDIA

THE PATENT OFFICE

A Nº 005364

No. 150448 of 23 - 6 - 1980

WHEREAS Jayant Narayan Kardile, Environmental Engineering Research Division, Maharashtra Engineering Research Institute, Nasik-422004, Maharashtra, India, an Indian National

has/~~have~~ declared that he is/~~they are~~ in possession of an invention for a pretreator chamber for pretreatment of turbid water

and that he is/~~they are~~ the true and first inventor(s) thereof [~~or the legal representative(s) or assignee(s) of the true and first inventor thereof~~] and that he is/~~they are~~ entitled to a patent for the said invention, having regard to the provisions of the Patents Act, 1970 and that there is no objection to the grant of a patent to him/~~them~~;

And whereas he has/~~they have~~ by an application requested that a patent may be granted to him/~~them~~ for the said invention ;

And whereas ~~he~~ he has/~~they have~~ by and in his/~~their~~ complete specification particularly described and ascertained the nature of the said invention and the manner in which the same is to be performed ;

Now these presents that the abovesaid applicant(s) (including his/~~their~~ legal representative(s) and assignee(s) or any of them) shall, subject to the provisions of the Patents Act, 1970 and the conditions specified in section 47 of the said Act, and to the conditions and provisions specified by any other law for the time being in force, have the exclusive privilege of making, using, exercising, selling or distributing his pretreator chamber

~~in India using or exercising~~

- in India, for a term of fourteen years from the twentythird day of June 1980, and of authorising any other person to do so, subject to the conditions that the validity of this patent is not guaranteed and that the fees prescribed for the continuance of this patent are duly paid.

In witness whereof, the Controller has caused this patent to be sealed as of the twentythird day of June 1980.

K Swaminathan

[redacted]

Controller of Patents

8th July 1983/17 Asar 1905(Saka)

Date of Sealing

GOVERNMENT OF INDIA

THE PATENT OFFICE

A № 003665

No. 134979 *of* 29. 11. *1972*

WHEREAS Jayant Narayan Kardile, Executive Engineer, Public Health Project Division, Laxmi Nagar, Nagpur-10, Maharashtra State, India, Indian,

has/~~have~~ declared that he is/~~they are~~ in possession of an invention for filter chambers with the use of crushed coconut shell media

and that he is/~~they are~~ the true and first inventor(s) thereof ~~(or the legal representative(s) or assignee(s) of the true and first inventor thereof)~~ and that he is/~~they are~~ entitled to a patent for the said invention, having regard to the provisions of the Patents Act, 1970 and that there is no objection to the grant of a patent to him/~~them~~;

And whereas he has/~~they have~~ by an application requested that a patent may be granted to him/~~them~~ for the said invention ;

And whereas he has/~~they have~~ by and in his/~~their~~ complete specification particularly described and ascertained the nature of the said invention and the manner in which the same is to be performed ;

Now these presents that the abovesaid applicant(s) (including his/~~their~~ legal representative(s) and assignee(s) or any of them) shall, subject to the provisions of the Patents Act, 1970 and the conditions specified in section 47 of the said Act, and to the conditions and provisions specified by any other law for the time being in force, have the exclusive privilege of making, using, exercising, selling or distributing his filter chambers with the use of crushed cocoonut shell media

in India/~~using or exercising~~

~~in India~~, for a term of fourteen years from the twentyninth day of November 19 72, and of authorising any other person to do so, subject to the conditions that the validity of this patent is not guaranteed and that the fees prescribed for the continuance of this patent are duly paid.

In witness whereof, the Controller has caused this patent to be sealed as of the twentyninth day of November 1972

Sd/- Dasranga

Controller of Patents

19th October 1974/27 Asvn.1896 (Saka)

Media References

Mr. Manibhai Desai (right) being conferred honorary membership of the IWWA, at the hands of Dr. Appasahib B. Pant at the 22nd annual convention of India Water Works Association, held in Pune.

Ex-envoy decries resoures waste

By A Staff Reporter

PUNE, Jan. 18: Unleashing the waste of resources in the process of development, Dr. Apasahib B. Pant, former High Commissioner to the U.K. and a staunch environmentalist, made a fervent plea to protect environment, while delivering his inaugural address at the 22nd annual convention of Indian Water Works Association, here today.

In a fiery speech, Dr. Pant said the damage caused to the planet due to reckless development had disturbed the equilibrium of nature and environment because of technology and men's greed, although technological development had made it possible to have some comforts.

He said there was enough for the need but not for the greed and called for a holistic and comprehensive approach to development.

Decrying the waste of resources, Dr. Pant said the world-over colossal amounts of money was spent on defence programmes. This has caused damage to the ecosystem.

On the damage caused to the environment, he stated that scientists working on projects in Antarctica had expressed concern at the formation of a large hole as big as the continent of Australia. This, he said, was due to the damage caused to the ozone layer.

Appealing to engineers to have a collective approach, he highlighted the need to have inter-disciplinary discussions with other experts in the field of environment and geology.

Speaking on the prodigal lifestyle of citizens in developed countries, Dr. Pant said, the U.S.A., Europe and Japan together consumed 80 per cent of the world resources when they had only one-fourth of the world population. As a result, he said, the rest of the world was left with only 20 per cent of the world resources.

He described the water distribution system as 'corrupt' and accused it of wasting a lot of water in the process of distribution through the pipeline.

Mr. Manibhai B. Desai, a follower of Mahatma Gandhi and an environmentalist devoted to the uplift of rural masses, was conferred with an honorary membership of the IWWA.

Mr. Manibhai Desai described the honorary membership as recognition for his Gandhian approach. Stressing the need for a comprehensive approach, he highlighted the four important elements: Land, livestock, water and vegetation.

On the theme of the convention, 'Water for the people', he asked the organisers of the convention, when and which people would get the water. He was critical of the water policy for it did not lay stress on rural areas and told the participants of the convention not to look at the water problem in isolation and instead should take a comprehensive approach.

Speaking on the damage caused to the underwater table, he said the agencies concerned were installing pumps to draw water and on the other hand they destroyed trees. He said without trees there could not be any water. He said that the tree was a divine pump, for it could save, protect and give water.

Dr. J.N. Kardile, the eminent engineer who developed the 'Ramtek Filter' using indigenous material, was also conferred the honorary membership of IWWA.

Speaking on the occasion, Dr. Kardile stressed the need for the development of low-cost technology in the water supply system. He complained that the state universities did not accept any novel ideas in the field of research.

He pleaded for reducing the gap between the development of low-cost technology and its application.

Earlier, the president-elect, Mr. S. Shrinivasan of the IWWA was introduced to the gathering.

Stressing on the need to increase the outlay for drinking water supply, Mr. Shrinivasan sought an increase of 140 per-cent, which he said would cost Rs. 15,000 crore in the next five-year plan. At present, he said, the amount worked out at Rs. 1600 crore. This would mean an increase in the total outlay from the present four per cent to seven per cent.

Suggesting the need to privatise certain aspects of water supply, he said that similar attempt in the U.K. was successful. He welcomed the idea of autonomy to the water supply boards in the country.

He felt that maintenance of water supply and sewerage equipment, which was sophisticated, should be privatised.

Mr. C.S.Rao, president of IWWA, elaborated on the history of the association. He thanked Mr. Martin Sheakan of the Zurich Water Supply, Switzerland, for donating 5,000 dollars for translating some important documents from Zurich on water technology.

Annual prizes were distributed to engineers for the best paper presentation at the last convention. The Pune centre of IWWA was awarded the 'Best Centre' S.K. Shah memorial shield and a cash award. An exhibition is also being held in the art gallery of Balgandharva Rang Mandir.

INDIAN EXPRESS 19-1-90.

Better management of water urged

The Times of India News Service

PUNE, Jan. 18.

THE task of providing drinking water should be given the highest priority at the national level if the requirements of the next decade are to be met, Mr M. Srinivasan, the incoming president of the Indian Water Works Association (IWWA), said here today.

Speaking at the inaugural ceremony of the IWWA's 22nd annual convention, Mr Srinivasan noted that the present water availability of 1,800 million cubic metres would have to be hiked by 140 per cent to meet the needs of the next century. This would require an estimated expenditure of Rs 15,000 crores, over the next ten years.

Apart from a satisfactory allocation in the eighth five year plan, the funds could be provided by the banking sector, insurance companies and other autonomous bodies, he said, citing the example of the housing and urban development corporation which had undertaken a Rs 300-crore water supply project.

In his inaugural address, the former Indian high commissioner to the U.K., Dr A.B. Appasaheb Pant, called for greater co-operation at a global level for better water management. He urged that a "holistic approach" be adopted in tackling the problem of water scarcity.

Lamenting that the people today had lost reverence for life sustaining elements like air, water, land and the wind, Dr Pant said the fast depleting forest cover, the rapid destruction of the ozone layer and the myriad ecological problems were essentially due to disregard for nature.

At the inaugural ceremony, the noted Gandhian and Ramon Magsaysay award-winner, Dr Manibhai Desai, and the distinguished engineer, Dr Jayant Kardile, were conferred the Honorary membership of the association.

Dr Desai stressed the need for a comprehensive approach in developing land, livestock, water availability and vegetation on a village--to-village basis. He said unless the rural areas were strengthened economically and environmentally, the nation would not be able to overcome its basic problems.

Dr Jayant Kardile, nventor of low-cost water filtration systems, urged the mass application of successful researches and technological innovations achieved in the universities and research institutions across the country.

Earlier, the outgoing president, Mr C.E.S. Rao, introduced the president-elect, Mr M. Srinivasan, and the vice president-elect, Mr S.S. Patwardhan, to the gathering.

A souvenir of the IWWA was released by Dr Pant and prizes given for the best lectures and papers deliverd in an earlier convention. The S.K. Shah memorial shield for the best maintained local centre was received by Mr S.D. Mande on behalf of the Pune Centre.

About 1,000 delegates from all over the world are attending the four-day convention at the Bal Gandharva Rang Mandir, which has adopted "water for the people" as its theme for the convention.

INDIAN EXPRESS
19-1-90.

नैसर्गिक संतुलन शिकवणे हीं काळाची गरज

पुणे दि. १९ - प्रदूषण मुक्त मानवी जीवनाच्या हितासाठी नैसर्गिक साधन संपत्तीचे संतुलन टिकवणे ही काळाची गरज असल्याचे मत, माजी राजदूत बॅ. अप्पासाहेब पंत यांनी काल पुण्यात बोलताना व्यक्त केले. इंडियन वॉटर वर्क्स असोसिएशनच्या २२व्या अधिवेशनात उद्घाटन प्रसंगी ते बोलत होते.

देशातली ग्रामीण जनता सुजाण आहे. त्यांना त्यांच्या भाषेत पाणी शुद्धता, वितरण, साधनसंपत्तीचा योग्य उपयोग, व्यवस्थापन यांची माहिती देणाऱ्या व्हिडिओ टेप्स, इंडियन वॉटर वर्क्स असोसिएशनने तयार करून सर्वत्र प्रसार कराव्या अशी सूचनाही श्री. पंत यांनी केली. असोसिएशनचे अध्यक्ष श्री. सी. ई. एस. राव यांनी संस्थेच्या कार्याची माहिती दिली.

असोसिएशनचे पुढील वर्षाचे अध्यक्ष एस श्रीनिवासन् यांनी नैसर्गिक पाण्याची टंचाई निर्माण होत असल्याने पाण्याच्या सुनियोजित व्यवस्थापनाला महत्व आहे असे सांगितले.

SANDHYA
19-1-90.

CATEGORY I:
List of plants / jobs done in the Government and Municipal Water treatment sector: Small capacity plants (1986-2011)

A number of water treatment plants are being constructed for supply of potable water to the villages in developing countries. As the conventional water treatment methods are fairly costly in their construction and maintenance, an intensive search is going all over the world for the development of low cost water treatment methods with the use of new techniques.

Considering various problems in the design, construction and maintenance of the small capacity plants, our founder Dr.J.N.Kardile, developed appropriate solutions for small systems with surface water sources, as a part of his Ph.D. thesis (1978). These have come to be known as "Simplified Water Treatment Plants". These plants use the combination of the then new techniques like gravel bed flocculator, tube-settlers and dual media filters. A number of such plants were constructed in the decades 1980 to 1990. These plants are simple in construction, maintenance and operation and without any moving parts.

Due to these universally appealing qualities and accepted technologies, these plants have a huge potential for application not only in India but other developing countries too. For mass application of these plants, we have modernized and standardized the design and layouts from 1.0 mld (million liters per day) to 10.0 mld in five categories. The standardized plants make mass application a successful venture. These plants are constructed in R.C.C. structures. We have to our credit about 250-300 such plants in rural and semi-urban area

For less than 1.0 mld capacity plants, we have developed and standardized these in mild (carbon) steel. The plant dimensions are such that they can be transported in the standard containers. The site down time is less and the construction is error-free. The performance of all these plants is found to be satisfactory and the treated water quality is as per W.H.O. guidelines.

KCON PMC PVT LTD

Water & Waste Water Treatment plants & solid liquid separation.

Office : 5/87 Shubhankaroti , Near Bytco College, Nashik Road - 422 101, Maharashtra, INDIA. Phone/ Fax: 91-253-2456655, 2469696

Email : kcon@vsnl.com, info@kconsultation.com

Website : www.kconsultation.com

Units: Unconventional plants comprising of mechanical/non-mechanical flocculators, tube settlers, Single or duel media filters

Sr. No	Place	Contractors	Capacity, M.L.D	Organization
1.	Fort Songadh		1.50	G. W. S. S. B.
2.	Vansi - Borsi		1.00	G. W. S. S. B.
3.	Vyara	M/s Ashok H. Panchal, Fort Songadh	7.84	G. W. S. S. B.
4.	I N S Shivaji		2.16	M. E. S.
5.	Vishnupuri Project, Nanded	(M/s Harbhajan Sarbjeet & Associates, Aurangabad)	4.32	Irrigation Dpt., Maharashtra
6.	Kakrapar, Gujrat	(M/s Manubhai C. Intwala, Bilimora.)	30.00	N. P. C. of India
7.	Kakrapar Township, Gujrat	(M/s Manubhai C. Intwala, Bilimora.)	4.50	N. P. C. of India
8.	Vasai (Pelhar), Thane	(M/s Satish G. Sheth, Thane.)	7.2	M. W. S. S. B.
9.	Talegaon, Nasik		4.00	M. W. S. S. B.
10.	Ravalgaon	(M/s Mahevi Constructions.,Malegaon)	1.20	M. W. S. S. B.
11.	Gahukhede, Raver, Jalgaon	(M/s Jayant Constructions, Jalgaon)	0.60	M. W. S. S. B.
12.	Talwel, Bhusawal, Jalgaon	(M/s B. G. Patil, Jalgaon)	0.70	M. W. S. S. B.
13.	Amalner, Jalgaon	(M/s K.N.N.Naidu, Nagpur)	14.5	M. W. S. S. B.
14.	Khultabad, Aurangabad	(M/s Omer Construction,Aurangabad)	4.80	M. W. S. S. B.
15.	Kannad	(M/s G. D. Khandeshi., Ah'nagar)	4.50	M. W. S. S. B.
16.	Urali – Kanchan		1.75	M. W. S. S. B.
17.	Ketadoha		0.40	P. H. E.D. Meghalaya
18.	Goramara		0.60	P. H. E. D. Meghalaya
19.	Gonolgiri		1.20	P. H. E. D. Meghalaya
20.	Konarchar		0.50	P. H. E. D. Meghalaya
21.	Mangan		2.40	P. H. E. D. Sikkim
22.	Igatpuri (Talegaon), Nasik	(M/s Om Construction, Nasik.)	4.32	M. W. S. S. B.
23.	Igatpuri, Nasik	(M/s Amar ConstructionCo.Malegaon.)	2.88	M. W. S. S. B.
24.	Yawal, Jalgaon	(M/s Jain Constructioon Co., Nagpur)	9.12	M. W. S. S. B.
25.	Kandari, Bhusawal, Jalgaon	(M/s K.N.N.Naidu, Nagpur)	1.50	M. W. S. S. B.
26.	Trimbakeshwar, Nashik	(M/s Amar ConstructionCo.,Malegaon.)	2.40	M. W. S. S. B.
27.	Adawad, Chopda, Jalgaon	(M/s K.N.N.Naidu, Nagpur)	3.00	M. W. S. S. B.
28.	Kalamnuri, Nanded	(M/s Jain Construction., Nagpur)	3.96	M. W. S. S. B.
29.	Kottapalli	(M/s Kerala Hitech Builders Pvt. Ltd.)	7.20	K.W.A., Kerala
30.	Nimb, Amalner, Jalgaon	(M/s K.N.N.Naidu, Nagpur)	4.60	M. W. S. S. B. O. D.A.
31.	Kuttiyadi	(M/s Kerala Hitech Builders Pvt. Ltd.)	7.92	K. W. A., Kerala
32.	Pauni, Bhandara	(M/s S. K. Sahni, Nagpur.)	2.64	M. W. S. S. B.
33.	Bhor, Pune	(M/s L. N. Reddi, Latur)	2.00	M. W. S. S. B.
34.	Barshi, Solapur	(Modification)	1.50	M. W. S. S. B.
35.	Vairag, Solapur	(M/s R. D. Desai.)	1.32	M. W. S. S. B.
36.	Fekari, Bhusawal	(M/s A. S. Chaudhari., Bhusawal)	1.00	M. W. S. S. B.
37.	Malegaon, Baramati, Pune		1.75	M. W. S. S. B.
38.	Shirdi		2.00	M. W. S. S. B.
39.	Akkalkot		6.00	M. W. S. S. B.
40.	Rangpo, Gangtok, Sikkim		2.50	P. H. E.D. Sikkim
41.	Chibasa, Bihar	(M/s New India enterprises)	4.50	P. H. E. D. Bihar
42.	Mango, Jamshedpur, Bihar	(M/s Kerala Hitech Builders Pvt. Ltd.)	7.50	P. H. E. D. Bihar
43.	Pune		1.00	M. W. S. S. B.
44.	Ahwa	(M/s Manubhai C. Intwala, Bilimora.)	2.65	G. W. S. S. B.
45.	Ranjangaon	(M/s Jain Builders, Sangamner)	0.84	M. W. S. S. B.

46	Lona, Ladivali,Panvel		1.92	Lona Industries.
47.	Nardane	(M/s Vijay Construction Co. Dhule)	2.70	M. W. S. S. B.
48.	Shirud	(M/s Vijay Construction Co. Dhule)	1.08	M. W. S. S. B.
49.	Ausa latur	(M/s D. K. Navgire & Co.,Nagpur)	3.75	M. W. S. S. B.
50.	Ukai	(M/s Ashok H. Panchal, Fort Songadh.)	2.65	G. W. S. S. B.
51.	Akloli	(Modification)	60 cum/hr	GurudevSiddhapeeth,Ganeshpuri
52.	Jamner	(M/s Vijay Construction Co. Dhule)	3.26	M. W. S. S. B.
53.	Kasoda	(M/s Vijay Construction Co. Dhule)	2.76	M. W. S. S. B.
54.	Ambeta	(M/s Ashok H. Panchal, Fort Songadh.)	1.20	G. W. S. S. B.
55.	Gulmarg	(M/s Jog Consultants (P) Ltd., Pune.)	1.80 (in 16Hrs)	P. H. E. D. (J & K)
56.	Poos	(M/s H. H. Rupani., Pune.)	5.25	M. W. S. S. B.
57.	Pune, Maharashtra		11.40	P. M. C.
58.	Chandur Rly.	(M/s Mangaldas & Co., Akola)	3.00	M. W. S. S. B.
59.	Akot &Telhara Taluka	(M/s Mangaldas & Co., Akola)	1.50	M. W. S. S. B.
60.	Chinchawadi, Sangli	(M/s Amar Builders & Contractors., Malkapur)	0.18	
61.	Gangapur, Aurangabd	(M/s K.N.N.Naidu, Nagpur)	3.60	M. W. S. S. B.
62.	Naldurga, Osmanabad	(M/s Gujar Construction Co., Kalyan)	3.10	M. W. S. S. B.
63.	Rashin, Karjat, A'nagar	(M/s V. N. Makne, Chakur)	2.11	M. W. S. S. B.
64.	Ambhai, Sillod, Auangabad	(M/s Irrigation Equipment Corpration (Hyd) Ltd, Hyderabad.)	1.00	M. W. S. S. B. W. B. P.
65.	Katpur, Paithan, Auangabad	(M/s Irrigation Equipment Corpration (Hyd) Ltd, Hyderabad.)	1.50	M. W. S. S. B. W. B. P.
66.	Kalambhe, Shahapur, Thane	(M/s Sheth & Masurkar, Thane.)	1.50	M. W. S. S. B. W. B. P.
67.	Pimpalgaon Baswant, Nashik	(M/s Vijay Construction Co. Dhule)	2.13	M. W. S. S. B. W. B. P.
68.	Umerga, Osmanabad,	(M/s Irrigation Equipment Corpration (Hyd) Ltd, Hyderabad.)	1.85	M. W. S. S. B. W. B. P.
69.	Jejuri	(Modification)	4.8	
70.	Raigaon	(M/s D. A. Chandak & Co., Akola)	1.00	M. W. S. S. B. W. B. P.
71.	Junekhed -Navekhed		1.00	M. W. S. S. B. W. B. P.
72.	Nagbhir – Navkhala, Chandrapur	(M/s Irrigation Equipment Corpration (Hyd) Ltd, Hyderabad.)	3.20	M. W. S. S. B. W. B. P.
73.	Bhamburdi, Malshiras, Solapur	(M/s Laxmi Steel Industries, Solapur)	1.25	M. W. S. S. B.
74.	Borkund, Dhule	(M/s J. J. Oswal, Dhule.)	1.00	M. W. S. S. B.
75.	Katol, Nagpur	(M/s Lashwani builders, Nagpur)	5.00	M. W. S. S. B.
76.	Talegaon – Dhamdhere, Pune	(M/s Laxmi Engineers, Kolhapur)	0.80	M. W. S. S. B.
77.	Manegaon, Sinnar, Nasik	(M/s Sheth & SuraEngineers Ltd., Pune.)	2.60	M. W. S. S. B.
78.	Ghoti (Bk), Igatpuri, Nasik	(M/s K. S. Bhatia, Mumbai.)	2.50	M. W. S. S. B.
79.	Saptashrungi Gadh, Vani	(M/s Vijay Construction Co. Dhule)	1.20	M. W. S. S. B.
80.	Chakur, Latur	(M/s V. N. Makne, Chakur)	1.72	M. W. S. S. B.
81.	Kingaon, Latur	(M/s V. N. Makne, Chakur)	0.82	M. W. S. S. B.
82.	Mogha, Latur	(M/s L. N. Reddi, Latur)	0.57	M. W. S. S. B.

83.	Jalkot, Udgir	(M/s L. N. Reddi, Latur)	0.56	M. W. S. S. B.
84.	Pangari	(M/s Bhagaria Dye Chem Ltd.)	0.50	M. W. S. S. B.
85.	Kaiga		1.20 (Cum/Hr)	N. P. C. of India
86.	Gursule, Solapur	(M/s V. N. Makne, Chakur)	0.80	M. W. S. S. B.
87.	Apegaon – Wadawali, Paithan	(M/s Irrigation Equipment Corpration (Hyd) Ltd, Hyderabad.)	1.20	M. W. S. S. B. W. B. P.
88.	Chitali, Shrirampur	(M/s Perfect Engineering Associates Pvt. Ltd. Mumbai)	0.96	M. W. S. S. B. W. B. P.
89.	Vani, Dindori	(M/s Amar Construction Co., Malegaon.)	1.65	M. W. S. S. B.
90.	Babre, Dhule	(M/s Mangaldas & Co., Pune)	1.25	M. W. S. S. B.
91.	Undirgaon, A'nagar	(M/s H. H. Rupani., Pune.)	1.50	M. W. S. S. B.
92.	Asangaon, Shapur, Thane	(M/s Satish G. Sheth, Thane.)	2.15	M. W. S. S. B.
93.	Mirajgaon, Karjat, A'nagar	(M/s Laxmi Engineers, Kolhapur)	2.00	M. W. S. S. B.
94.	Nandyal	(M/s Irrigation Equipment Corpration (Hyd) Ltd, Hyderabad.)	0.50	P. H. E. D. (A. P.)
95.	Nandyal	(M/s Irrigation Equipment Corpration (Hyd) Ltd, Hyderabad.)	1.00	P. H. E. D. (A. P.)
96.	Singmawlein, Meghalaya	(M/s Robertson Lamare, Shillong)	0.50	P. H. E. D. Sikkim
97.	Kondhwe –Dhawade	(M/s Mangaldas & Co., Pune)	0.50	M. W. S. S. B.
98.	Irregation		2.00	
99.	Mouda, Nagpur	(M/s D. K. Navgire & Co.,Nagpur)	0.96	M. W. S. S. B.
100	Arvi, Dhule	(M/s Vijay Construction Co. Dhule)	1.25	M. W. S. S. B.
101	Nildoh - Digdoh	(M/s D. K. Navgire & Co.,Nagpur)	2.05	M. W. S. S. B.
102.	Bhigwan, Indapur, Pune	(M/s Lark Consructions.,)	1.50	M. W. S. S. B.
103	Sindi, Nagpur	(M/s S. K. Sahani, Nagpur.)	2.40	M. W. S. S. B.
104	T.A.P.P.		0.75	M. W. S. S. B.
105	Deoulgaon - Raja	(M/s Mangaldas & Co., Pune)	2.50	M. W. S. S. B.
106.	Shindkhed – Raja	(M/s Mangaldas & Co., Pune)	2.50	M. W. S. S. B.
107.	Indapur, Pune	(M/s V. N. Makne, Chakur)	2.20	M .J. P.
108.	Kurunj – Bedse	(M/s K. S. Bhatia, Mumbai.)	0.50	M .J. P.
109.	Ghonshet	(M/s K. S. Bhatia, Mumbai.)	0.50	M .J. P.
110.	Karambhad, Nagpur	(M/s Manwani builders, Nagpur)	1.00	M .J. P.
111.	Nimbargi, Solapur	(M/s V. N. Makne, Chakur)	1.00	M .J. P.
112.	Karanja	(M/s S M S Paryavaran Pvt. Ltd., Delhi.)	0.86	
113.	M. Agrairam Khajipiram	(M/s Irrigation Equipment Corpration (Hyd) Ltd, Hyderabad.)	2.00	A. P.
114.	Astagaon, Ah'nagar	(M/s H. H. Rupani., Pune.)	0.75	M .J. P.
115.	Astagaon, Ah'nagar	(M/s H. H. Rupani., Pune.)	1.00	M .J. P.
116.	Madha, Solapur	(M/s M. M. S. Constructions)	4.00	M .J. P.
117.	Panchyati Raj	(M/s Irrigation Equipment Corpration (Hyd) Ltd, Hyderabad.)	1.00	Govt. of Andhra Pradesh
118.	Panchyati Raj	(M/s Irrigation Equipment Corpration (Hyd) Ltd, Hyderabad.)	0.50	Govt. of Andhra Pradesh
119.	Nanvij, Pune	(M/s K. S. Mane, Pune)	0.50	M.J.P.
120.	Nira, Purander, Pune	(M/s V. N. Makne, Chakur)	2.50	M .J. P.
121.	Korti, Solapur	(M/s N. V. Kharote, Pune)	2.60	M .J. P.
122.	Jaitane, Dhule	(M/s Vijay Construction Co. Dhule)	2.00	M .J. P.

123.	Navapur G. C.	(M/s Varsha Construction Co., Dhule)	1.00	M.I.D.C.
124.	Neral, Raigad	(M/s L & T Limited.)	8.40	M .J. P.
125.	Nizampur, Dhule	(M/s J. J. Chaudhari & Co., Chalisgaon)	1.00	M .J. P.
126.	Babhaleshwar	(M/s H.H. Rupani, Pune.)	2.00	M .J. P.
127.	Modnimb, Solapur	(M/s V. N. Makne, Chakur)	1.50	M .J. P.
128.	Anagar, Solapur	(M/s V. N. Makne, Chakur)	3.50	M .J. P.
129.	Gharatwada, Nagpur	(M/s Lashwani builders, Nagpur)	3.50	M .J. P.
130.	Mekhali - Songaon	(M/s I. V. R. Constructions, Pune)	2.30	M .J. P.
131.	Karanjkhol, Mahad	(M/s Satish G. Sheth, Thane.)	3.00	M .J. P.
132.	Goregaon, Mahad	(M/s Sheth & Masurkar, Thane.)	1.30	M .J. P.
134.	Garegaon, Nasik	(M/s Sheth & Masurkar, Thane.)	2.00	M .J. P.
135.	Kuruwande, Maval, Pune	(M/s K. S. Mane, Pune.)	0.75	M .J. P.
136.	Tanang, Miraj, Sangali	(M/s. Vishwakarma Engineers., Sangli.)	3.00	M .J. P.
137.	Walwa, sangli	(M/s. Mane & Co., Sangli.)	4.30	M .J. P.
138.	Ganore	(M/s M. A. Mahevi., Malegaon)	1.65	M .J. P.
139.	Renapur, Nanded	(M/s V. N. Makne, Chakur)	3.30	M .J. P.
140.	Brahmapuri, Bhandara	(M/s D. K. Navgire & Co.,Nagpur)	4.30	M .J. P.
141.	Kanher	(M/s Lark constructions)	2.00	M .J. P.
142.	Khaire, Raigad	(M/s R. K. Madhani & Co.)	3.00	M .J. P.
143.	Dadli, Mahad, Raigad	(M/s Satish G. Sheth, Thane.)	1.12	M .J. P.
144.	Dhom – Manderdeo,Satara	(M/s L & T Limited.)	3.50	M .J. P.
145.	Mhaswad, Satara	(M/s Jaihind Projects Ltd., Pune.)	3.50	M .J. P.
146.	Otur, Pune	(M/s K. S. Bhatia, Mumbai.)	1.00	M .J. P.
147.	Kumbhari, Solapur	(M/s Laxmi Steel Industries, Solapur.)	4.50	M .J. P.
148.	Kondepanchatan, Raigad	(M/s S. B. Khakal, Thane.)	0.56	M .J. P.
149.	Sirsi, Nagpur	(M/s Manwani Builders., Nagpur)	1.5	M .J. P.
150.	Makardhokada, Nagpur	(M/s Manwani Builders., Nagpur)	1.60	M .J. P.
151.	Chowk, Raigad	(M/s L & T Limited.)	4.20	M .J. P.
152.	Janephal, Buldhana	(M/s K. S. Bhatia, Mumbai.)	2.00	M .J. P.
153.	Taloja, Panvel	(M/s sheth & masurkar, Thane.)	1.80	M .J. P.
154.	Narkhed, Solapur	(M/s Associates Engineers, Solapur.)	2.50	M .J. P.
155.	Rachanawadi, Latur	(M/s Greenland., Pune.)	3.00	M .J. P.
156.	Bitergaon, Renapur, Latur	(M/s V. N. Makne, Chakur)	2.00	M .J. P.
157.	Naigaon, Nasik	(M/s Petron Civil Engg.Ltd.,Pune.)	4.50	M .J. P.
158.	Dehere - Medha, Jawahar, Thane	(M/s Paresh Construction, Mumbai.)	2.20	M .J. P.
159.	Kure, Jalgaon	(M/s S. Chandrapal Sandha, Aurungabad.)	2.00	M .J. P.
160.	Aundane, Baglan	(M/s Prathmesh Construction, Miraj.)	1.50	M .J. P.
161.	Mamurabad, Jalgaon	(M/s S. R. Gholap. Jalgaon)	2.00	M .J. P.
162.	Chahade, Palghar, Thane	(M/s Satish G. Sheth, Thane.)	1.60	M .J. P.
163.	Almala, Ausa, Latur	(M/s Amardeep Constructions, Latur.)	0.70	M .J. P.
164.	Gagargaon, Indapur, Pune	(M/s N. V. Kharote, Pune.)	1.00	M .J. P.
165.	Nimgaon – Loni, Indapur, Pune	(M/s N. V. Kharote, Pune.)	4.00	M .J. P.

166.	Baramati, Pune	(M/s Mishra Associates, Pune.)	5.50	M .J. P.
167.	Borgaon, Karmala, Solapur	(M/s Jaihind Projects Ltd., Pune.)	2.50	M .J. P.
168.	Kolgaon, Karmala, Solapur	(M/s Jaihind Projects Ltd., Pune.)	1.25	M .J. P.
169.	Bhalwani, Pandharpur, Solapur	(M/s Mishra Associates, Pune.)	3.00	M .J. P.
170.	Paragon - Malshiras	(M/s Petron Civil Engg.Ltd.,Pune.)	5.00	M .J. P.
171.	Gangtok, VIP		2.40	P. H. E. D. Sikkim
172.	Kankori, Sinnar, Nasik	(M/s Shraddha Enterprises.)	3.00	M .J. P.
173.	Pimpalgaon, Nasik	(M/s Vijay Construction Co. Dhule)	2.70	M .J. P.
174.	Bhatwadi, Sinnar, Nasik	(M/s Bhagwati Engg. Co., Ambernath)	3.70	M .J. P.
175.	Bhamdevi, Karnja, Washim	(M/s Mangaldas & Co., Akola)	1.00	M .J. P.
176.	Bonshet, Panvel, Raigad	(M/s Bhagwati Engg. Co., Ambernath)	1.00	M .J. P.
177.	Kharosa, Ausa & Nilanga, Latur	(M/s sheth & masurkar Co., Thane)	4.00	M .J. P.
178.	Mulanagar, Rahuri, Ah'Nagar	(M/s L & T Limited., Mumbai.)	3.60	M .J. P.
179.	Meshi, Baglan, Nasik	(M/s Tejas Constructions, Chalisgaon.)	4.25	M .J. P.
180	Thangaon	(M/s Siddharth Construction.)	2.10	M .J. P.
181.	Sarsi	(M/s Mangaldas & Co., Akola)	2.00	M .J. P.
182.	Ghogargaon	(M/s Petron Civil Engg.Ltd.,Pune.)	3.00	M .J. P.
183.	Jopul, Chandwad, Malegaon	(M/s Godwin Const. Co. Mumbai.)	1.50	M .J. P.
184.	Bharadi - Wangi	(M/s Ganga Constructions, Aurangabad.)	4.30	M .J. P.
185.	Vyahad (Bk)	(M/s D. K. Navgire & Co.,Nagpur)	1.20	M .J. P.
186.	Sukali - Nakul	(M/s D. K. Navgire & Co.,Nagpur)	1.25	M .J. P.
187.	Shani - Shinganapur	(M/s Sagar Constructions, Pune)	1.50	M .J. P.
188.	Shirsodi, Indapur, Pune	(M/s N. V. kharote, Pune.)	1.00	M .J. P.
189.	Sardewadi, Indapur, Pune	(M/s N. V. kharote, Pune.)	1.50	M .J. P.
190.	Shetphal – Haveli, Pune	(M/s N. V. kharote, Pune.)	3.00	M .J. P.
191.	Sakhari, Chandrupur	(M/s D. K. Navgire & Co.,Nagpur)	0.70	M .J. P.
192.	Sihora, Bhandara	(M/s D. K. Navgire & Co.,Nagpur)	0.75	M .J. P.
193.	Sarul, Nasik	(M/s Quick Builders, Mumbai.)	1.35	M .J. P.
194.	Pahur – Peth, Jalgaon	(M/s J. V. Jahagirdar, Jamner.)	2.50	M .J. P.
195.	Dive – Supe, Pune	(M/s D. S. Shirole, Pune)	3.00	M .J. P.
196.	Chinchondi – Patil, Ah'nagar	(M/s Sakhare Constructions, Bhigwan.)	1.25	M .J. P.
197.	Manori – Khurd,Nasik	(M/s Egale Construction Co,Ulhasnagar.)	1.50	M .J. P.
198.	Wasunde, Ah'nagar	(M/s Arihant Constructions, Pune.)	1.75	M .J. P.
199.	Limgaon – Sayal, Nanded	(M/s Bhagwati Engg. Co., Ambernath)	1.30	M .J. P.
200.	Dapoli, Ratnagiri	(M/s Paresh Construction, Mumbai.)	4.88	M .J. P.
201.	Neri, Jamner,Jalgaon	(M/s Agrawal Brothers, Chalisgaon.)	3.00	M .J. P.
202.	Digras	(M/s V. N. Makne, Chakur)	3.00	M .J. P.
203.	Savalivihir,Kopargaon	(M/s H.H. Rupani, Pune.)	3.00	M .J. P.
204.	Koregaon, Satara	(M/s Jaihind Projects Ltd, Pune.)	4.50	M .J. P.
205.	Tamaswadi,	(M/s Egale Construction Co,Ulhasnagar.)	2.35	M .J. P.
206.	Ruishingwe, kopargaon, A'nagar	(M/s H.H. Rupani, Pune.)	2.00	M .J. P.
207.	Chupale	(M/s Vijay Construction Co. Dhule)	1.25	M .J. P.

208.	Maveshi, A'nagar	(M/s C. V. Hiray, A'nagar)	0.50	
209.	Alegaon – Navegaon	(M/s Mangaldas & Co., Akola)	5.00	M .J. P.
210.	Bole	(M/s Egale Construction Co,Ulhasnagar.)	1.85	M .J. P.
211.	Soegaon, Aurangabad	(M/s Rajendera Enterprises, Thane.)	2.40	M .J. P.
212.	Kannad, Aurangabad	(M/s Empire Associates, Aurangabad.)	3.50	M .J. P.
213.	Parola, Jalgaon	(Modification) (M/s P. C. Jain, Amalner)	6.48	
214.	Shiye - Jatharwadi	(M/s K. S. Karpe., Solapur)	1.50	M .J. P.
215.	Gangtok		7.5 m.g.d.	P. H. E. D., Gangtok
216.	Adgaon (Bk) Akot,Akola	(M/s D. K. Navgire & Co.,Nagpur)	2.00	M .J. P.
217.	Umari, Nanded	(M/s Ishwardas & Co., Nanded.)	2.64	M .J. P.
218.	Kawnai, Nasik	(M/s H.H. Rupani, Pune.)	1.00	M .J. P.
219.	Manchar	(M/s Arihant Constructions, Pune.)	3.84	M .J. P.
220.	Palghar, Thane	(Modification)		M .J. P.
221.	Puttur, Karnataka	(M/s V. N. Makne, Chakur)	6.80	K. U. I. D. & F. C.L.(A D B Lone)
222.	Puttur, Karnataka	(M/s V. N. Makne, Chakur)	1.00	K. U. I. D. & F. C. L(A D B Lone)
223.	Bhoom, Latur	(M/s Pragati Constructions, Chakur)	4.50	M .J. P.
224.	Khammam, Andhra Pradesh	(M/s Ashoka Rao, Hyderabad.)	9.10	Public Health special Div.,khammam
235.	Suryapet	(M/s Megha Engineering Enterprises.)	10.154	
236.	Shahapur, Gangapur, A'bad	(M/s Sanhydri Builders, Aurangabad)	1.00	M .J. P.
237.	Sonapur, Chandrapur, Mul	(M/s D. K. Navgire & Co.,Nagpur)	1.00	M .J. P.
238.	Bothali, Chandrapur	(M/s D. K. Navgire & Co.,Nagpur)	1.85	M .J. P.
239.	Waddepally - Warangal, A.P	(M/s Pochampad Cement Pipes Construction Co., Hyderabad.)	10.46	Govt. of Andhra Pradsh P. H. E. Circle, Warangal.(Under HUDCO Lone Assistance,PhaseIII)
240.	Rajgurunagar, Pune	(Modifications)(M/s Arihant Constructions,Pune.)	0.76	M .J. P.
241.	Jamkhed, Ah'nagar	(M/s N.G.Dhokane, Rahuri)	2.00	Sarpanch G. P., Jamkhed
242.	Mahad, Raigad	(M/s S. B. Patil, Mahad)	2.50	M .J. P.
243.	Sawalivihir,	(M/s S.R.Construction., Ah'nagar)	2.00	M .J. P.
244.	Chikhali, Nanded	(M/s Santosh Murkute, Nanded.)	2.50	M .J. P.
245.	Malegaon (Bk), Baramati	(M/s Laxmi Civil Engineering Services Pvt. Ltd., Kolhapur.)	5.00	M .J. P.
246.	Pandare, Baramati, Pune	(M/s Laxmi Civil Engineering Services Pvt. Ltd., Kolhapur.)	2.00	M .J. P.
247.	Nirawagaj, Baramati, Pune	(M/s Laxmi Civil Engineering Services Pvt. Ltd., Kolhapur.)	1.50	M .J. P.
248.	Sangvi, Baramati, Pune	(M/s Laxmi Civil Engineering Services Pvt. Ltd., Kolhapur.)	1.00	M .J. P.
249.	Dongargaon– kusgaon, Maval	(M/s Arihant Constructions, Pune.)	3.50	M .J. P.
250.	Talegaon - Dabhade, Pune	(M/s M. M. Holambe, Ambajogai.)	5.00	M .J. P.
251.	Baramati, Pune	(M/s Laxmi Civil Engineering Services Pvt.Ltd., Kolhapur.)	6.50	M .J. P.
252.	Kothure (Bk), Niphad, Nasik	(M/s Vishnu Bhilaji Borse,Lasalgaon.)	1.00	A.G.P.P.V.S.S., Niphad Zilla Parishad, Nasik
253.	Kandhar, Nanded	(M/s S. D. Lahane, Latur.)	4.50	M .J. P.
254.	Ajara	(M/s R. D. Desai, Kolhapur.)	2.50	The President W.S. & S.C.,Ajara
255.	Adgaon, Chopda, Jalgaon		1.00	The President W.S. & S.C., Chopda(JalswarajProject)

256.	Shindkheda, Dhule	(M/s P. G. Sutar, Dhule.)	2.10	M .J. P.
257.	Pandharpur, Solapur	(M/s Laxmi Steel Industries, Solapur)	13.00	M .J. P.
258.	Jalochi, Baramati, Pune	(M/s Laxmi Civil Engineering Services Pvt. Ltd., Kolhapur.)	7.50	M .J. P.
259.	Shajanandnagar, Shinganapur	(M/s S. P. Godse, Sangamner)	1.00	M .J. P.
260.	Fursungi, Haveli, Pune	(M/s Dilip G. Sheth, Pune.)	5.00	M .J. P.
261.	Pimpri – Nirmal, Rahata, Ah'nagar	(M/s D. D. Constructions, Pune.)	1.00	M .J. P.
262.	Jamner	(M/s Anand Buildcon, Bhusawal.)	8.60	Jamner Muncipal Conncil
263.	Khedgaon, Niphad,Nasik	(M/s shushila construction, Niphad.)	1.50	Jalswaraj Project,Khedgaon
264.	Amby Vally		12.00	Sahara India Commertioal Corporation Limited.
265.	Daithana, kandhad, Nanded	(M/s R. G. Sanap, Nanded.)	4.00	R. R. W. S. S.
266.	Kapadane, Dhule	(M/s D. D. Pawar, Shindkheda)	2.50	Bharat Nirman Karyakram, Village Health, Nutrition, Water Supply And Sanitation Committee, Kapadane
267.	Puntamba, Rahata, Ah'nagar	(M/s S.R.Construction., Ah'nagar)	2.00	M .J. P.
268.	Mahalingpur	(M/s Laxmi Civil Engineering Services Pvt. Ltd., Kolhapur.)	6.81 (20hrs)	K. U. W. S. & D. B.
269.	Wadangli, Sinnar, Nasik	(M/s S.R.Construction., Ah'nagar)	2.60	M .J. P.
270.	Bhimashankar, Ambegaon, Pune	(M/s S.R.Construction., Ah'nagar)	1.00	M .J. P.
271.	Muktainagar, Jalgaon	(M/s. G. K. Wani, Jalgaon.)	4.00	Bharat Nirman Prakalpa, A.G.P.P.V.S.S., Muktainagar Zilla Parishad, Jalgaon
272.	Nideban-Madlapur, Udgir, Latur	(M/s Sonai Construction Co., Latur)	1.52	M .J. P.
273.	Dindori, Nashik	(M/s Sonai Construction Co., Latur)	4.00	A.G.P.P.V.S.S., Dindori Zilla Parishad, Nashik
274.	Kasabe Vani, Nashik	(M/s S. R. Gholap., Jalgaon)	1.60	A.G.P.P.V.S.S., Vani. Zilla Parishad, Nashik
275.	Wadhona (Bk), Udgir, Latur	(M/s Pragati Construction, Latur)	1.50	M .J. P.
276.	Hudergully, Udgir, Latur	(M/s Pragati Construction, Latur)	1.70	M .J. P.
277.	Male, Mulshi,	(M/s Shriya Constructions, Pune)	4.00	Zilla Parishad
278.	Khodala, Mokhada, Thane	(M/s Sandesh D. Butala, Dombivali	1.00	M .J. P.
279.	Jalkot, Jalkot, Latur	(M/s Balika Construction, Latur)	1.50	Bharat Nirman G.P.P.V.S.S., Jalkot
280.	Sarangkheda	(M/s A. P. Jain, Amalner)	1.50	G.A.P.W.S.& S.C.,Sarangkheda
281.	Pimpalgaon (Baswant), Nashik	(M/s Santosh Constructions, Nanded.)	3.00	Pimpalgaona (Baswant) Grampalika.
282.	Karmala, Karmala, Solapur	(M/s Arihant Constructions, Pune.)	2.50	Karmala Municipal Council, Karmala.
283.	Ajanta, Sillod, Aurangabad	(M/s Arihant Constructions, Pune.)	3.00	The President, G.A.P.W.S.& S.S., Ajanta
284.	Palse, Nashik	(M/s. R. A. Ghule, Parbhani.)	3.00	The President, G.A.P.W.S.Wa S.S.,Palse
285.	Chakan, Khed, Pune.	(M/s Arihant Constructions, Pune.)	16.00	
286.	Varse, Roha, Raigad.	(M/s. Soni Construction, Kalamboli, Navi Mumbai.)	2.00	M .J. P.
287.	Sonpeth, Sonpeth, Parbhani	(M/s. M. T. Phad, Parbhani.)	2.50	Sonpeth Municipal Council, Sonpeth.

288.	Gonde Dumala, Iigatpuri, Nashik.	(M/s. Vijay Construction Co., Dhule.)	1.00	A.G.P.P.V.S.S., Gonde Dumala
289.	Nandgaon Khandeshwar, Nandgaon (Kh), Amravati.	(M/s. M. T. Phad, Parbhani.)	2.25	M .J. P.
290.	Shirpur School, Shirpur, Dhule.	(M/s Laxmi Civil Engineering Services Pvt. Ltd., Kolhapur.)	2.00	Narsih Monji Institute Of Management Studies, Shirpur
291.	Chichala, Chandrapur.	(M/s O. N. Mukherjee, Nagpur.)	2.00	Rural Water Supply Division [Z.P.] Chandrapur.
292.	Sakri.	(M/s. Vijay Construction Co.,Dhule.)	4.00	A.G.P.P.V.S.S., Sakri
293.	Rohinkhed & 14 Villeges, Motala, Buldana.	(M/s Laxmi Civil Engineering Services Pvt. Ltd., Kolhapur.)	2.00	M .J. P.
294.	Tiwan & 10 Villeges, Shegaon, Buldana.	(M/s Laxmi Civil Engineering Services Pvt. Ltd., Kolhapur.)	1.50	M .J. P.
295.	Hingne Gavhad & 13 Villages, Nandura, Buldana.	(M/s Laxmi Civil Engineering Services Pvt. Ltd., Kolhapur.)	1.50	M .J. P.
296.	Deulghat, Dhad & 5 Villeges, Buldana, Buldana.	(M/s Laxmi Civil Engineering Services Pvt. Ltd., Kolhapur.)	3.00	M .J. P.
297.	Peth, Nashik.	(M/s Jay Construction, Thane.)	1.00	Thane Minor Irrigation Division, Kalwa (Thane)
298.	Mangaon.	(M/s M. D. Infrastructurus, Lonavala.)	1.00	M .J. P.
299.	Dabhadi, Malegaon, Nashik.	(M/s. Vijay Construction Co.,Dhule.)	3.00	Rural Water Supply Division Z.P., Nashik.
300.	Padoshi & Pedhewadi,Akole, Ahmednagar.	(M/s J. R. Phad., Sangamner.)	1.00	M .J. P.
301.	Bari jahangirwadi & Penshet, Akole, Ahmednagar.	(M/s J. R. Phad., Sangamner.)	1.00	M .J. P.
302.	Murud, Murud, Raigad.	(M/s M. D. Infrastructurus, Lonavala.)	2.50	M .J. P.
303.	Nagothane	(M/s M. D. Infrastructurus, Lonavala.)	2.00	M .J. P.

CATEGORY II:

List of jobs done in the Government and Municipal Water treatment sector: Medium-large capacity plants (1988-2011)

KCON PMC PVT LTD

Water & Waste Water Treatment plants & solid liquid separation.

Office : 5/87 Shubhankaroti , Near Bytco College, Nashik Road - 422 101, Maharashtra, INDIA. Phone/ Fax: 91-253-2456655, 2469696

Email : kcon@vsnl.com, info@kconsultation.com

Website : www.kconsultation.com

Units: Conventional plants comprising of Cascade Aerator, Parshall Flume, Flash Mixer, Clariflocculator, Rapid sand gravity filter beds)

Sr. No	Place/	Contractors	Capacity, m.l.d.	Organization
1.	Palej, Gujarat	(M/s M.C.Intwala)	38.40	G.W.S.S.B,(World Bank Project)
2.	Nand, Gujarat	(M/s M.C.Intwala)	1.50	G.W.S.S.B.,(World Bank Project)
3.	Hajira, Gujarat	(M/s Meheta)	2.50	G.W.S.S.B.
4.	Daman, U.T.	(M/s M.C.Intwala)	19.20	G.W.S.S.B.
5.	Karmala, Maharashtra	(M/s Jain Constructions)	5.00	M.W.S.S.B.
6.	Vasai, Maharashtra	(M/s S.G.Sheth)	7.20	M.W.S.S.B.
7.	Malkapur, Maharashtra	(M/s Jain Constructions)	4.50	M.W.S.S.B.
8.	Chopda, Maharashtra	(M/s K.N.N. Naidu)	10.50	M.W.S.S.B.
9.	Bodhwad, Maharashtra	(M/s Jain Constructions)	9.22	M.W.S.S.B. (ODA, UK)
10.	Talvel, Maharashtra	(M/s Vijay Constructions)	10.14	M.W.S.S.B. (ODA, UK)
11.	Kaij, Maharashtra	(M/s H.H.Rupani)	10.70	M.W.S.S.B.(World Bank Project)
12.	Kappumala, Kerala	(M/s K.H.B. Pvt. Ltd.)	13.50	Kerala Water Authority
13.	Talegaon-Dabhade	(M/s Jain Constructions)	10.50	M.W.S.S.B.
14.	Tiroda, Maharashtra	(M/s D.K.Navagire & Co.)	2.20	M.I.D.C.
15.	Dabhadi, Maharashtra	(M/s Vijay Constructions)	6.00	M.W.S.S.B.
16.	Ausa, Maharashtra	(M/s Sheth & Sura Pvt. Ltd.)	3.60	M.W.S.S.B.
17.	Savada, Maharashtra	(M/s K.N.N. Naidu)	4.00	M.W.S.S.B.
18.	Rahuri, Maharashtra	(M/s Amar Constructions)	7.00	M.W.S.S.B.
19.	Ajanta (Caves), Maharashtra	(M/s V.N.Makne)	3.00	M.W.S.S.B.
20.	Kolhapur, Maharashtra	(M/s N.V.Kharote)	60.00	M.W.S.S.B.
21.	Purjal, Maharashtra	(M/s Perfect Engineering Associates Ltd.)	13.00	M.W.S.S.B.
22.	Paithan, Maharashtra	(M/s K.N.N. Naidu)	8.60	M.W.S.S.B.
23.	Yeola, Maharashtra	(M/s Amar Constructions)	4.00	M.J.P.
24.	Faizpur, Maharashtra	(M/s V.N.Makne)	7.00	M.J.P.
25.	Shendurni, Maharashtra	(M/s K.N.N. Naidu)	4.00	M.J.P.
26.	Jeur, Maharashtra	(M/s Jaihind Projects)	7.00	M.J.P.
27.	Khardi, Maharashtra	(M/s H.H.Rupani)	8.00	M.J.P.
28.	Gandhinagar, Maharashtra	(M/s Sheth & Sura Pvt. Ltd.)	15.00	M.J.P.
29.	Latur, Maharashtra	(M/s Engineering Projects IndiaLtd.)	80.00	M.J.P.

30.	Fagane, Maharashtra	(M/s Sheth & Sura Pvt. Ltd.)	13.00	M.J.P.
31.	Risod, Maharashtra	(M/s Mangaldas & Co.)	5.50	M.J.P.
32.	Songir, Maharashtra	(M/s N.V.Kharote)	7.00	M.J.P.
33.	Kyathanahalli, Karnataka	(M/s Irrigation Projects)	1.21	K.U.W.S.S.B.
34.	Lakhanwada, Maharashtra	(M/s Mangaldas & Co.)	6.20	M.J.P.
35.	Umberpada, Maharashtra	(M/s K.S. Bhatia)	5.10	M.J.P.
36.	Bhendakukana, Maharashtra	(M/s Petron Ltd.)	5.00	M.J.P.
37.	Nimgaon-Gangarde	(M/s Petron Ltd.)	5.60	M.J.P.
38.	Dahivel, Maharashtra	(M/s Tapi Prestress Ltd.)	9.00	M.J.P.
39.	Akhoni, Maharashtra	(M/s Jaihind Projects Ltd.)	6.00	M.J.P.
40.	Adgaon, Maharashtra	(M/s Jaihind Projects Ltd.)	5.00	M.J.P.
41.	Chandwad (36 villages RR WS Scheme), Maharashtra	(M/s Sheth and Masurkar)	11.00	M.J.P.
42.	Pimpalgaon-Kajale, Maharashtra	(M/s Sheth & Sura Pvt. Ltd.)	8.04	M.J.P.
43.	Burhanagar, Maharashtra	(M/s L & T Ltd.)	23.30	M.J.P.
44.	Siddheshwar, Maharashtra	(M/s Sheth & Sura Pvt. Ltd.)	8.40	M.J.P.
45.	Panchincholi, Maharashtra	(M/s Sharada Constructions)	5.40	M.J.P.
46.	Shirbhavi, Maharashtra	(M/s Gammon India Ltd.)	22.00	M.J.P.
47.	Chandwad, 44 villages RR WS Scheme, Maharashtra	(M/s Sheth & Masurkar)	8.00	M.J.P.
48.	Ambajogai, Maharashtra	(M/s K.N.N. Naidu)	16.00	M.J.P.
49.	Sangam, Maharashtra	(M/s V.N.Makne)	6.50	M.J.P.
50.	Mukhed, Maharashtra	(M/s Sunil Farm Engineers)	5.00	M.J.P.
51.	Talegaon-Dighi	(M/s IVR ConstructionsLtd.)	7.38	M.J.P.
52.	Purna, Maharashtra	(M/s K.N.N. Naidu)	7.80	M.J.P.
53.	Shirpur, Maharashtra	(M/s Laxmi Civil Engg.Pvt.Ltd.)	12.00	T.C.E./ Shirpur Municipal Council
54.	Raver, Maharashtra	(M/s V.N.Makne)	5.40	M.J.P.
55.	Khambora (Akola), Maharashtra	(M/s L & T Ltd.)	16.00	M.J.P.
56.	Moshi (Amaravati), Maharashtra	(M/s L & T Ltd.)	20.00	M.J.P.
57.	Akot, Maharashtra	(M/s Pratibha IndustriesLtd.)	16.00	M.J.P.
58.	Akot, Maharashtra	(M/s Pratibha IndustriesLtd.)	6.00	M.J.P.
59.	Belgaum, Karnataka	(M/s Laxmi Civil Engg. Pvt.Ltd.)	13.62	K.U.W.S.D.B.
60.	Kalmeshwar, Maharashtra	(M/s Laxmi Civil Engg. Pvt.Ltd.)	5.40	M.J.P.
61.	Gokak, Karnataka	(M/s Laxmi Civil Engg. Pvt. Ltd.)	13.62	K.U.W.S.D.B.

62.	Satana, Maharashtra	(M/s Mahevi Constructions)	6.40	M.J.P.
63.	Erandol, Maharashtra	(M/s Tejas Constructions)	6.25	M.J.P.
64.	Jodhpur (Kailana), Rajasthan	(M/s N.V.Kharote)	60.00	R.U.I.D.P./A.D.B. Project
65.	Bangaon, Maharashtra	(M/s Laxmi Civil Engg. Pvt. Ltd.)	10.40	M.J.P.
66.	Udupi, Karnataka	(M/s V.N.Makne)	27.24	K.U.I.D.F.C.L.
67.	Arvi, Maharashtra	(M/s D.K.Navagire & Co.)	7.00	M.J.P.
68.	Govane (Virar),	(M/s Satish G. Sheth)	7.00	M.J.P.
69.	Nandurbar, Maharashtra	(M/s Laxmi Civil Engg. Pvt. Ltd.)	12.50	T.C.E., Nandurbar Municipal Council
70.	Dharangaon, Maharashtra	(M/s Perfect EngineeringAssociates)	9.00	M.J.P.
71.	Yeola, Maharashtra	(M/s IVRCL, Pune)	11.20	M.J.P.
72.	Malegaon, Maharashtra	(M/s Surendra Engineering Co.)	71.00	M.J.P.
73.	Shirdi, Maharashtra	(M/s K.N.N.Naidu)	8.50	M.J.P.
74.	Omerga, Parbhani, Maharashtra	(M/s M.T.Phad)	6.82	M.J.P.
75.	Pipari, Wardha, Maharashtra	(M/s SMC Infrastructure Pvt.Ltd.)	22.00	M.J.P.
76.	Pandharpur, Maharashtra	(M/s Laxmi Steel Industries,Solapur)	13.00	M.J.P.
77.	Loha, Nanded	(M/s Santosh Murkute, Nanded)	6.00	M.J.P.
78.	Asadvan, Nanded	(M/s Pragati Constructions, Latur)	35.00	Nanded-Waghola Municipal Corporation (JNNURM)
79.	Kabranagar, Nanded	(M/s Pragati Constructions, Latur)	35.00	Nanded-Waghola Municipal Corporation (JNNURM)
80	Navapur, Dhule	(M/s M.R.Jadhav)	05.00	M.J.P., Dhule
81.	Thane, (Temghar)	(M/s SMC Infrastructures Pvt. Ltd., Thane)	140.00	Thane Municipal Corporation (JNNURM)
82.	Dhamtari, Madhya Pradesh	(M/s Laxmi Civil Engineering Services Pvt.Ltd.,Kolhapur)	14.70	Govt. of Chhatisgarh, PHE Dept.
83.	D.R.D.O., Pune	(M/s Project Management Group)\	3.50	D.R.D.O., Pune
84.	Mahalingpur, Karnataka	(M/s Laxmi Civil Engineering Services Pvt.Ltd.,Kolhapur)	6.81	K.U.W.S.D.B.
85.	Lonand Das Offshore Engineering Pvt. Ltd.		3.00	M.I.D.C.
86.	Bhokarpada, Navi Mumbai Minicipal Corporation		450.00 Augmentation from 300 mld to 450 mld	Navi Mumbai Municipal Corporation
87.	Shegaon	(The Indian Hume Pipe Co. Ltd., Ahemadnagar)	13.50	Shegaon Municipal Council
88.	Vaijapur, Dist Ahemadnagar		12.00	Municipal Council of Vaijapur
89.	Pachora, Dist. Jalgaon	(M/s Laxmi Civil Engineering, Pachora)	8.50	Municipal Council of Pachora
90.	Taloda, Dist. Nandurbar	(M/s Mahavir Civil Engineering and Services Pvt. Ltd.	5.00	Taloda Municipal Council
91.	Basmat	(M/s M.T.Phad, Parbhani)	3.50	Municipal Council of Basmat
92.	Amalner, Dist. Jalgaon	(M/s V.N.Makne, Latur)	12.50	Amalner Municipal Council

93.	Sangola	(M/s Laxmi Civil Engineering Services Pvt. Ltd.)	4.00	Municipal Council of Sangola
94.	Umred	(M/s Laxmi Civil Engineering Services Pvt.Ltd.)	9.00	Municipal Council of Umred
95.	Yeole, Dist. Nashik	(M/s M.T.Phad)	9.00	Municipal Council of Yeole
96.	Jalana	(M/s H.H.Rupani)	24.00	Municipal Council of Jalana
97.	Sillod, Dist. Aurangabad	(M/s S.R.Chechani)	2.50	Municipal Council of Sillod
98	Hadgaon, Dist.Nanded	(Gayatri Constructions)	6.7	Municipal Council of Hadgaon
99.	Gondia, Dist. Bhandara	(M/s Laxmi Civil Engineering and Services Pvt. Ltd.)	18.00	Municipal Council of Gondia
100.	Washim, Dist.Akola	(M/s Laxmi Civil Engineering and Services Pvt. Ltd.)	16.50	M.J.P.
101.	Katol, Dist.Nagpur	(M/s Sheth & Sura Engineers Pvt. Ltd.,Pune)	8.50	
102.	Murtizapur, Dist.Akola	(M/s S.D.Lahane, Latur)	7.90	M.J.P.
103.	Akot, Dist.Akola	(M/s Santosh Constructions, Nanded)	21.00	M.J.P.
104.	Tasgaon, Dist. Sangli	(M/s Santosh Constructions, Nanded)	5.00	M.J.P.
105.	Varangaon, Dist.Jalgaon	(M/s Santosh Constructions, Nanded)	5.50	M.J.P.
106.	Jintoor, Dist.Parabhani	(M/s M.T.Phad)	5.00	Jintoor Municipal Council
107.	Palus, Dist.Sangli	(M/s SMC Infrastructure Pvt.Ltd., Thane)	1.50	M.I.D.C.
108.	Sailu, Dist.Parabhani	(M/s M.T.Phad, Parbhani)	5.00	Sailu Municipal Council
109.	Tuljapur, Dist.Osmanabad	(M/s Laxmi Civil Engg Services Pvt.Ltd., Kolhapur)	10.00	M.J.P

CATEGORY III:

Augmentation of existing water treatment plants (Concept, Design and Engineering by K Consultation)

The primary objective of Augmentation is to enhance capacity and efficiency of existing water treatment plants. It also to improves the treated water quality significantly. The aim is also to simplify and to have a better regulation of the operation and maintenance. We have developed the specialization to augment the plants with minimum structural modifications and/or addition of any new structures.

This has become feasible due to the development of new technologies like shallow depth sedimentation , dual/multi media filtration, etc. The new techniques are based on high surface loading rates, compared to conventional units. By retrofitting the existing units judiciously with this hardware it is possible to increase the capacities of existing treatment plant even up to three times their original capacities.. An additional advantage is that the inherent deficiencies of the existing plant (if any) can be identified and eliminated during the execution .

The saving in terms of capital cost, including that of land cost which is otherwise required to construct an additional new plant is anywhere between 40% to 60%. The augmented plants can be operated with existing manpower and infrastructure. The power requirement is only marginally higher than the existing plant. The old machinery also gets an overhauling. The existing plant is thus rejuvenated. The degree of difficulty in carrying out modifications vis-à-vis cost benefit advantage can indicate the practical augmentation potential of the existing plants. The old machinery also gets an overhauling. The existing plant is thus rejuvenated. The degree of difficulty in carrying out modifications vis-à-vis cost benefit advantage can indicate the practical augmentation potential of the existing plants.

We have augmented almost all type of settling tanks , clarifiers and gravity filters with these techniques.

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KCON PMC PVT LTD

Water & Waste Water Treatment plants & solid liquid separation.

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Email : kcon@vsnl.com, info@kconsultation.com

Website : www.kconsultation.com

Sr.No.	Project	Description
1.	Ellora Paper Mills , Tumsar, Maharashtra, Capacity : 208 cum/hr	Retrofit of existing rectangular settling tanks with tube settlers
2.	Dindori, Dist,Nashik, Maharashtra Capacity: 60 cum/hr	Retrofit of existing rectangular settling tanks with tube settlers, Revamp of existing filter bed
3.	Lona Industries, Panvel, Maharashtra Capacity enhancement from 30 cum/hr to 100 cum/hr	Retrofit of existing vertical flow sludge blanket settling tanks with tube settlers, Construction of new gravity filter beds
4.	Gangtok, Sikkim, Public Health Engineering Department Capacity enhancement from 3.0 mgd to 7.50 mgd	Retrofit of existing rectangular settling tanks with tube settlers, Construction of new gravity filter beds
5.	Manchar, Dist Pune, Maharashta, Maharashtra Water Supply and Sewerage Board Capacity enhancement from 80 cum/hr to 160 cum/hr	Retrofit of existing rectangular settling tanks with tube settlers, Construction of new gravity filter beds
6.	Rajgurunagar, Dist Pune, Maharashta, Maharashtra Water Supply and Sewerage Board Capacity: 30 cum/hr	Retrofit of existing rectangular settling tanks with tube settlers, Revamp of existing gravity filter beds
7.	TISCO, River Water Works, Jamshedpur, Jharkhand Capacity enhancement from 2800 cum/hr to 6000 cum/hr	Existing clariflocculators retrofitted with tube settlers
8.	Hyderabad, Hyderabad Metropolitan Water Supply and Sewerage Board,	Conversion of rapid sand filter beds to dual media filter beds
9.	Nashik Thermal Power Corporation, Maharashtra Capacity enhancement from 300 cum/hr to 450 cum/hr	Conversion of sludge type blanket settling tanks to flash mixer-flocculator-tube settling system for capacity and quality upgradation
10.	Rajendranagar Municipal Corporation, Andhra Pradesh, Capacity enhancement from 130 cum/hr to 325 cum/hr	Conversion of existing clariflocculator with tube settlers, Revamp of existing filter beds, construction of one new filter bed

11.	Hindalko, Renukut, Utter Pradesh, Capacity 1000 cum/hr	Retrofitting of tube settlers in existing concrete tank with centrally driven scrapper, Dual media gravity filter beds for Sewage Treatment Plant
12.	Karnataka Power Corporation Ltd., Raichur Capacity enhancement from 1000 cum/hr to 2000 cum/hr	Retrofitting of tube settlers in existing Clariflocculator
13.	Kollegal Municipal Council, Karnataka Urban Water Supply and Sewerage Board, Capacity enhancement from 200 cum/hr to 500 cum/hr	Retrofitting of tube settlers in existing Clariflocculator and construction of new filter beds
14.	Reliance Petro Chemicals, Hajira, Gujarat Capacity enhancement from 1450 cum/hr to 2675 cum/hr	Retrofitting of tube settlers in existing Solids Contact Clarifiers and conversion of existing rapid sand filter beds to duel media filters
15.	Maihar Cement , Madhya Pradesh , Capacity enhancement from 228 cum/hr to 500 cum/hr	Retrofitting of tube settlers in existing Clariflocculator and construction of new gravity filter beds
16.	JUSCO, Jamshedpur, Jharkhand Capacity enhancement from 994 cum/hr to 1892 cum/hr	Conversion of existing rapid sand filter beds to duel media filters
17.	HIDAL, Haldia Port Authority, West Bengal Capacity enhancement from 3750 cum/hr to 4700 cum/hr	Retrofitting of tube settlers in existing Clariflocculators and construction of new filter beds
18.	Chandigarh Municipal Corporation, Chandigarh Capacity enhancement from 2815 cum/hr to 5630 cum/hr	Retrofitting of tube settlers in existing Secondary clariflocculators for Sewage Treatment Plant
19.	Subic Water Authority, Phillippines	Retrofitting of tube settlers in existing Clariflocculators
20.	Navi Mumbai Municipal Corporation, Bhokarpada Capacity enhancement from 6250 cum/hr to 12500 cum/hr	Retrofitting of tube settlers in existing Clariflocculators and construction of new gravity filter beds

CATEGORY IV:

List of jobs done outside India in the Water and Wastewater sector: (1996- September 2011)
(Excluding M/s Thermax Ltd., Pune, India)

KCON PMC PVT LTD

Water & Waste Water Treatment plants & solid liquid separation.

Office : 5/87 Shubhankaroti , Near Bytco College, Nashik Road - 422 101, Maharashtra, INDIA. Phone/ Fax: 91-253-2456655, 2469696

Email : kcon@vsnl.com, info@kconsultation.com

Website : www.kconsultation.com

Nature of job: Basic Engineering, Part Detailed Engineering, Support to commissioning activities

Client	Capacity	Application	Equipment
1. Rousch Power Project, Islamabad, (Black & Veatch) *Aquatech International Corporation,* ***A.I.C.*** *Cannonsburg, U.S.A.*	350 cum/hr x 2 streams Year: 1996	Raw water clarification and thickening of sludge	Tube Settlers in square tank with centrally driven scrapper rake. Clarification in upper part of tank and thickening of sludge in bottom portion achieved in the same unit.Two stage flocculation.
2. Zhuhai Power Project, China (M.H.I.) ***A.I.C.***	800 cum/hr x 2 streamsYear:1998	Raw water clarification	Flocculators, Tube Settlers in rectangular configuration with multiple hopper bottom tan
3. Zhuhai Power Project, China (M.H.I.) ***A.I.C.***	225 cum/hr Year: 1998	Power plant drains treatment	Tube settlers with multiple hopper bottom tank, Gravity filter beds
4. Ho-Ping Coal Fired Power Project, Taiwan(Alstom) ***A.I.C.***	350 cum/hr Year: 1999	Raw water clarification and filtration	Clariflocculators and dual media gravity filter beds
5. Calpine, Morgan Energy Center, U.S. ***A.I.C.***	225 cum/hr x 4 streamYear:2001	Clarified water filtration	Circular gravity filter in CS construction
6. Muda Paper Mills, Kualalumpur, Malay sia ***M/s Cygal Environmental Bhd.Sdn, Malaysia***	440 cum/hr (110 cum/hr x 4 streams) Year: 2003	Raw water clarification	Flocculators, Tube settlers with multiple hopper bottom tanks
7. Bintan, Indonesia, ***Chemitreat Pvt. Ltd. Singapore***		Dewatering of sludge	Covered Sludge drying beds
8. Santiago City, Phillippines, ***Chemitreat Pvt. Ltd. Singapore***	625 cum/hr	City water supply, Pretreatment for Dynasand filter (Ground water source)	Equalization tank, Cascade Aerator, Flocculators
9. Thu-Duc Power Plant, Vietnam ***Chemitreat Pvt. Ltd. Singapore***	40 cum/hr x 2 streams, Prefabricated plant (2005-06)	Raw water filtration	Flash mixer, Flocculator,Tube Settler and dual media filters
10. Bangaladesh ***E.N.E.Fluidtech,India***	2 x 30 cum/hr (2005)	Pretreatment for RO	Flocculator, Tube Settlers with hopper bottom
11. AL-EFFAG Water Supply Scheme, Iraq ***PACT-USA***	2000 cum/hr (2005-06)	Water Treatment Plant with clarififlocculators and gravity filter beds	Complete turnkey consultancy, design and engineering for entire W/S scheme (Intake to Distribution)
12. Bangaladesh ***E.N.E.Fluidtech,India***	50 cum/hr (2006)	Pretreatment to RO , Ground water source(Fe)	Flocculator, Tube Settlers with hopper bottom
13. Bangaladesh ***E.N.E.Fluidtec,India***	40 cum/hr (2006)	Color Separation System for textile dyeing effluent	Flocculators,Tube Settlers with hopper bottom
14. Bangaladesh ***E.N.E.Fluidtec,India***	40 cum/hr (2006)	Color Separation System for textile dyeing effluent	Flocculators,Tube Settlers with hopper bottom
15. Shell Nigeria SPDC-HHI BTIP Project ***Chemitreat Pvt. Ltd. Singapore***	(2006)	Raw water clarification	Pre-fabricated packaged water treatment plant, Flocculator-Tube settlers
	50 cum/hr		Utility Package
	50 cum/hr		Drinking water Package
	100 cum/hr		Fire Water Package
16. Mauritius ***Chemitreat Pvt. Ltd. Singapore***	40 cum/hr (2007)	Effluent treatment	Pre-fabricated packaged water treatment plant, Flocculator-Tube settlers
17. Subic Water ***Chemitreat Pvt. Ltd. Singapore***		Raw water clarification	Retrofitting of tube settlers in Steel clarifier
18. Bangaladesh (Aquatherm)	1000 cum/hr (2009)	Raw water clarification	Tube settlers in circular configuration with peripherally driven scrapper mechanism.

CATEGORY V:
List of jobs done in the Water and Wastewater sector: (1993-September 2011) : For M/s Thermax Ltd. (W.W.S), Pune, India

KCON PMC PVT LTD

Water & Waste Water Treatment plants & solid liquid separation.

Office : 5/87 Shubhankaroti , Near Bytco College, Nashik Road - 422 101, Maharashtra, INDIA. Phone/ Fax: 91-253-2456655, 2469696

Email : kcon@vsnl.com, info@kconsultation.com

Website : www.kconsultation.com

Nature of job: Concept selling, Basic Engineering and Detailed Engineering of systems, Support to commissioning activities

Client	Capacity	Application	Equipment
1. Lloyds Steel, Wardha, Maharashtra	500 cum/hr	Raw water clarification	Tube Settlers with multiple hopper bottom tank
2. Prakash Industries, Champa, M.P.	550 cum/hr	Raw water clarification	Tube Settlers with multiple hopper bottom tank
3. Panjapol Paper Industries, Babkok, Thailand	2500 cum/hr	Raw water clarification	Tube Settlers in rectangular configuration with multiple hopper bottom tank
4. ATV Projects, Nagothane, Maharashtra	300 cum/hr	Raw water clarification	Tube settlers with multiple hopper bottom tank
5. Supreme Petrochemicals,Nagothane, Maharashtra	150 cum/hr	Raw water clarification	Tube settlers with multiple hopper bottom tank
6. Guryeve Fish Factory, Kazakastan	300 cum/hr	Raw water clarification	Tube settlers with multiple hopper bottom tank under closed structure.
7. Chemical Division, Thermax Ltd, Khopoli, Maharashtra	100 cum/hr	Raw water clarification and filtration	Tube settlers with multiple hopper bottom tank and gravity filter beds, RCC structure on stilts
8. Tinplate Company of India,Jamshedpur,Bihar	300 cum/hr	Raw water clarification	Tube settlers with multiple hopper bottom
9.P.T.Polysindo, Jakarta, Indonesia	1600 cum/hr	Raw water clarification	Tube settlers with multiple hopper bottom tanks, Dual media gravity filter beds
10. Gujarat Ambuja, Mumbai	120 cum/hr	Raw water clarification	Tube settlers with multiple hopper bottom tank
11. L & T Ltd., Himachal Pradesh	160 cum/hr	Raw water clarification	Tube settlers with multiple hopper bottom tank
12. P.T. Indo Liberty, Jakarta, Indonesia	130 cum/hr	Raw water clarification	Tube settlers with multiple hopper bottom tank
13. Himalayan Granites, Tamil Nadu	120 cum/hr	Granite polishing waste-water clarification and filtration for reuse	Tube settlers with multiple hopper bottom and gravity filter beds
14. G.A.C.L. Dahej, Gujarat	630 cum/hr	Raw water clarification	Tube settler in circular concrete tank with centrally driven rake on fixed bridge
15. Birla Copper Gujarat	1600 cum/hr	Raw water clarification, sludge thickening	Tube settlers with multiple hopper bottom tanks, Thickener and centrifuges
16. Chambal Fertilisers and Chemicals Ltd. Kota, Rajasthan	880 cum/hr	Raw water clarification and filtration	Tube settlers with multiple hopper bottom tank and Dual media gravity filter beds
17. MRF Tyres Chennai	120 cum/hr	Raw water clarification	Tube settlers with multiple hopper bottom tank
18. Warana Agro Products, Satara	120 cum/hr	Raw water clarification	Tube settlers with multiple hopper bottom tank

19. Lumbini Brewaries, Patna Bihar	30 cum/hr	Alkalinity reduction	Sludge blanket type clarifier
20. Nirma Ltd., Bhavnagar, Gujarat	1200 cum/hr	Sea water clarification as pretreatment to RO feed	Tube settlers with multiple hopper bottom tanks
21. Oswal Chemicals and Fertilizers Ltd., Paradeep, Orisa	1650 cum/hr x 2 stream clarification, 3200 cum/hr filtration, sludge thickening	Raw water clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge-Klarisettler, Dual media gravity filter beds, Thickener and Centrifuges
22. Tamil Nadu Electricity Board, Chennai	1200 cum/hr x 2 stream	Seawater + Ash (Ashbund water) clarification	Clariflocculators
23. TISCO, River Water Works, Jojobera Jamshedpur, Bihar	Aug. of existing plant from 2800 cum/hr to 6000 cum/hr	Raw water clarification	Existing clariflocculators retrofitted with tube settlers
24.Pimpri-Chinchwad Municipal Corporation, Pune, Maha	630 cum/hr	Secondary sewage clarification (following FAB)	Tube settlers in circular concrete tank with a rotating scrapper bridge-Klarisettler
25.Morarjee Mills, Mumbai	50 cum/hr	Pretreatment for RO, Recycle of wastewater	Tube settlers with multiple hopper bottom tank
26. Pearl Distillaries, Hyderabad, A.P.(TCWTL)	120 cum/hr	Raw water clarification	Tube settlers with multiple hopper bottom tank
27. Wartzila NSD A/C Belgaum	150 cum/hr	Raw water clarification	Plate settlers with multiple hopper bottom tank
28. Tronica City, UP Jal Nigam	210 cum/hr	Primary and Secondary sewage clarification after FAB reactor	Tube settlers in square concrete tanks with centrally driven scrapper mechanism
29. Pratibha Syntex Ltd, Pithampur, M.P.	50 cum/hr	Pretreatment for RO recycle of wastewater	Solids contact reactor with annular tube settling zone
30. ISRO-SHAR Sriharikota	50 cum/hr	Iron removal for raw water treament	Conventional Flocculator-Clarfier in Circular building
31. Dhar Textiles, M.P.	50 cum/hr	Pretreatment for RO feed water, recycle of wastewater	Solids contact clarifier with annular tube settling zone
32. Auro Textiles, Baddi,Rajasthan	300 cum/hr	Primary clarification of textile dyes, E.T.P.	Tube settlers in square concrete tank with centrally driven scrapper mechanism incorporating corner sweeper arms
33. HFCL, Namprup, Assam	2600 cum/hr	Presettler for removing excessive silt from river water	Double end traction driven clarifier
34. Agartala Gas Turbine Project	75 cum/hr	Iron removal from raw water	Aerator and gravity filter beds
35. Standardized colour separation systems (CRS) Thermax /TCWTL	2.50 cum/hr to 50 cum/hr	Primary colour separation of textile dyes	Flocculator and tubesettler in mild steel tanks No of units sold – More than 75
36. Prakash Industries, Champa, M.P.	550 cum/hr	Raw water clarification	Flocculator-Tube settlers in multiple hopper bottom tank (Repeat Order)

37. Rain Calcining Pvt. Ltd., Vizag, A.P.	100 cum/hr	Sea water clarification	Flocculator-Tube settlers in multiple hopper bottom tank
38. Coromondel Fertilizers Pvt. Ltd., Vizag, A.P.	100 cum/hr	Sea water clarification	Flocculator-Tube settlers in multiple hopper bottom tank
39. Tessitura Monti, A.P.	110 cum/hr	Raw water clarification	Flocculator-Tube settlers in multiple hopper bottom tank
40. Delhi Vidyut Board, New Delhi	700 cum/hr	Lime-soda softening	Solids contact clarifier and rapid sand gravity filter beds
41. Nashik Thermal Power Station (NTPS), Maharashtra	Aug. capacity 450 cum/hr	Raw water clarification and gravity filter beds	Conversion of sludge type blanket settling tanks to flash mixer-flocculator-tube settling system for capacity and quality upgradation
42. Hyderabad Metro Water Supply & Sewarage Board A.P.	Aug. Capacity from 650 to 1300 cum/hr	Gravity Filter beds, Municipal water treatment	Conversion of rapid sand filter bed to dual media filter bed
43.Rajendranagar Municipal Council, A.P.	Aug. Capacity from 130 cum/hr to 325 cum/hr	Municipal water treatment	Conversion of existing clariflocculator with tube settlers, Revamp of existing filter beds, construction of one new filter bed
44. Lucknow, U.P. Jal Nigam	1750 cum/hr	Municipal Sewage Treatment, Clarifiers after FAB units	Tube settlers in circular concrete tank with a rotating scrapper bridge-Klarisettler, 3 streams
45. Bakkarwala, New Delhi, MCD	100 cum/hr	Municipal Sewage Treatment, Clarifiers after FAB units	Tube settlers in circular concrete tank with a rotating scrapper bridge-Klarisettler
46. Moldi Bund, New Delhi, MCD	100 cum/hr	Municipal Sewage Treatment, Clarifiers after FAB units	Tube settlers in circular concrete tank with a rotating scrapper bridge-Klarisettler
47. Terene Fibres Pvt.Ltd. Vashi, Mumbai	85 cum/hr	Tirtiary sewage treatment after FAB units	Retrofitting of existing clarifier with tube settlers
48. HINDALCO Renukut, U.P.	1000 cum/hr	Sewage treatment, Clarifier, Gravity Filters after FAB	Retrofitting of tube settlers in existing concrete tank with centrally driven scrapper, Dual media gravity filter beds for polishing the effluent.
49. Karnataka Power Corporation Ltd. (KPCL), Raichur	Augmentation of capacity from 1000 cum/hr to 2000 cum/hr	Ashwater drains treatment, Recovery of water for reuse	Retrofitting of tube settlers in existing Clariflocculator
50. Bhushan Steel Ltd., Orissa	3500 cum/hr	Raw water treatment (Clarification)	Mechanical flocculators followed by tube settlers in multiple hopper bottom tanks.
51. Jindal Stainless Ltd., Orissa	1250 cum/hr	Raw water treatment (Clarification)	Tube settlers in circular tank with mechanical flocculators and peripheral scrapper drive.
52. Kollegal, Karnataka (K.U.W.S.S.B.)	Augmentation of capacity from 200 cum/hr to 500 cum/hr	Municipal Water Treatment	Retrofitting of tube settlers in existing Clariflocculator and construction of new filter beds
53. Shree Cement, Rajasthan	215 cum/hr	Pretreatment to RO	Solids contact clarifier with tube clarifier zone, Reduction of colloidal silica, turbidity

54. Sinha Textiles, Bangaladesh	350 cum/hr	Primary and Secondary clarification for textile effluent	Flocculators,Tube settlers in square configuration with scrapper rake
55. Wellspun Ltd.	600 cum/hr	Raw water clarification	Flocculators,Tube settlers with multiple hopper bottom
56. Jindal Stainless, Hissar	150 cum/hr	Raw water clarification	Flocculators,Tube settlers with multiple hopper bottom
57. Reliance Industries Ltd, Hajira, Gujarat RWTP2 – (A)	Augmentation of capacity from 1450 cum/hr to 2675 cum/hr	Raw water clarification and gravity filter beds	Retrofitting of tube settlers in existing Solids Contact Clarifiers and conversion of existing rapid sand filter beds to duel media filters
58. Maihar Cement, M.P.	Augmentation of capacity from 228 cum/hr to 500 cum/hr	Raw water clarification and gravity filter beds	Retrofitting of tube settlers in existing Clariflocculator and construction of new filter beds
59.JUSCO, Jamshedpur, Jharkhand	Augmentation of capacity from 994 cum/hr to 1892 cum/hr	City water supply, Gravity filter beds	Conversion of existing rapid sand filter beds to duel media filters
60. GHCL, Veraval, Gujarat	250 cum/hr	Raw water clarification	Flocculators, Tube settlers with multiple hopper bottom
61. Monnet Ispat, Raigarh	720 cum/hr	Raw water clarification	Clariflocculators
62. TISCO, Jamshedpur, Jharkhand	2850 cum/hr x 1 stream	Raw water clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
63. GRASIM Gujarat (Ultratech)	280 cum/hr	Sea water clarification (Pretreatment to RO)	Flocculators in series, Tube settlers with multiple hopper bottom
64. MSK Projects, Dewas, M.P.	1260 cum/hr	Raw water treatment	Mechanical flocculators followed by tube settlers in multiple hopper bottom tanks.Dual media gravity filter beds
65. HIDAL Project, Haldia , West Bengal	Augmentation of Clarifier capacity from 3750cum/hr to 4700 cum/hr, New Filter beds 1500 cum/hr Capacity	Raw water clarification and new rapid sand gravity filter beds	Retrofitting of tube settlers in existing Clariflocculators (2 no, 25 MGD) and construction of new filter beds (4 no, 8 MGD)
66. Chandigarh Municipal Corporation (CMC)	Augmentation of Clarifier capacity from 2815cum/hr to 5630 cum/hr,	Sewage treatment, Clarifiers,	Retrofitting of tube settlers in existing Secondary clariflocculators (2 nos, 30 MGD)
67. Punj Lloyd	1600 cum/hr	Raw Water clarification	Clariflocculators (2 nos)
	90 cum/hr	Raw Water clarification	Solids Contact clarifier
68. Shree Metallic (SPG)	50 cum/hr	Raw Water clarification	Mechanical flocculators followed by tube settlers in multiple hopper bottom tanks
69. Reliance Industries Ltd. (SPG)	250 cum/hr	Raw Water clarification	Mechanical flocculators followed by tube settlers in multiple hopper bottom tanks

70.Chandi-Mandir (Nitasha)	375 cum/hr	Sewage treatment, Clarifiers, Gravity Filters after FAB	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler, dual media gravity filter beds
71. Uttarkhand Pey Jalnigam	145 cum/hr	Sewage treatment, Clarifiers, after FAB	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
72.Sanghi Cement Industries Ltd.	1500 cum/hr	Sea water clarification and filtration	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler, and dual media gravity filter beds.
73.Greater Vaizag Municipal Corporation (GVMC)	125 cum/hr (Vamby Colony)	Sewage treatment, Clarifiers, after FAB	Tube settlers in circular concrete tanks with fixed scrapper bridge, concentric flocculation zone-Klarisettler
74. Greater Vaizag Municipal Corporation (GVMC)	85 cum/hr (S.N.27)	Sewage treatment, Clarifiers, after FAB	Tube settlers in circular concrete tanks with fixed scrapper bridge, concentric flocculation zone-Klarisettler
75. Karnataka Power Corporation Ltd. (K.P.C.L.) Raichur	3750 cum/hr x 2 no	Raw Water Clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
76. Saurashtra Chemicals	465 cum/hr	Raw Water Clarification	Mechanical flocculators followed by tube settlers in multiple hopper bottom tanks
77. Jindal Steel (Dubri)	1520 cum/hr	Raw Water Clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
78. SAIL (RSP)	620 cum/hr	Raw Water Clarification	Clariflocculators
79. Essar Steel Ltd. (Hajira)	1100 cum/hr	Raw Water Clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
80. Serum	20 cum/hr	Raw Water Clarification	Packaged Water Treatment Plant in steel. Mechanical flocculator and Tube settling tank
81. Chandigarh Municipal Corporation , Roopnagar	333 cum/hr (8 mld)	Sewage treatment, Clarifiers, after FAB	Tube settlers in circular concrete tanks with fixed scrapper bridge, concentric flocculation zone-Klarisettler
82. Utkal Alumina International Ltd.	1530 cum/hr	Raw Water Clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
83.Essar Petrochemicals, Jamnagar	3740 cum/hr	Raw Water Clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
84.Pragati Power Corporation Ltd.	1610 x 2 cum/hr	Raw Water Clarification	Solids Contact Clarifiers
85.Essar Oil Vadinar Ltd.	3740 cum/hr	Raw Water Clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
86. GSEG Hajira	600 cum/hr	Raw Water Clarification	Solids Contact Clarifiers
87.HMWSSB, Serilingampalli	1250 cum/hr (30 mld)	Sewage treatment, Clarifiers, after FAB	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler

88. Mira Bayender Municipal Corporation	583 cum/hr 333 706 500 291 541 291 458 500 375	Sewage treatment, Clarifiers, after FAB	Mechanical flocculators followed by tube settlers in multiple hopper bottom tanks
89. Essar Mahan Power Ltd.	Main PT 3940 cum/hr DM PT 160 cum/hr	Raw water clarification and filtration Raw water clarification	Clariflocculators and gravity filters Clarifier
90.Meenakshi Energy Ltd.	2520 cum/hr	Raw water clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
91. ABG Cement Ltd.	504 cum/hr	Raw water clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
92. APGENCO Ltd.	1040 cum/hr	Raw water clarification	Clarifiers
93.Chandrapur Municipal Council	1042 cum/hr (25 mld) 1875 cum/hr (45 mld)	Sewage treatment, Clarifiers, after FAB	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
94.GVMC	167 cum/hr (4 mld)	Sewage treatment, Clarifiers, after FAB	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
95. Chandrapur Municipal Council	1042 cum/hr 1875 cum/hr	Sewage treatment,	Anerobic Filters
96.G.N.F.C.	1000 cum/hr	Raw water clarification and filtration	Mechanical flocculators followed by tube settlers in multiple hopper bottom tanks and dual media Filter beds
97. BHEL, Pipavav, P.T.Plant D.M.Plant	2400 cum/hr 732 cum/hr	Raw water clarification Raw water clarification	Solids Contact clarifiers Solids Contact Clarifiers
98.HINDALCO, Belgaum	450 cum/hr	Raw water clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
99. Indian Metals and Ferrous Alloys, Orissa	450 cum/hr	Raw water clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
100.Hindalco Industries Ltd., Mahan Aluminium	4200 cum/hr	Raw water clarification	Solids Contact Clarifiers
101.Hindalco Industries Ltd. Aditya Aluminium , Lapanga	4166 cum/hr	Raw water clarification	Solids Contact Clarifiers
102.Korba West Power Co. Ltd., Raigarh, Chattisgarh	2560 cum/hr	Raw water clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
103.Anarak Aluminium Ltd. P.T.Plant	1050 cum/hr	Raw water clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler

104.Sterling SEZ, Vadodara	187 cum/hr	Sewage treatment clarifiers and Filters after FAB	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler followed by Dual Media gravity Filter Beds
105. J K ERA	1250 cum/hr	Sewage treatment clarifiers after FAB	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
106. Anarak W.W.T.P.	109 cum/hr	Waste Water clarification	Clariflocculator
107. Essar Projects Ltd., SPG	550 cum/hr	Raw Water Clarification	Mechanical flocculators followed by tube settlers in multiple hopper bottom tanks
108. Mangalore SEZ	945 cum/hr	Sewage treatment clarifiers after FAB	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
109. Punj-Lloyd Dhariwal	2900 cum/hr	Raw Water Clarification	Mechanical flocculators followed by tube settlers in multiple hopper bottom tanks
110. Punj-Lloyd GVK	1600 cum/hr	Raw water clarification	Clariflocculator
111.Punj-Lloyd GVK	75 cum/hr	Raw water clarification	Solids Contact clarifier
112. PHE Dept., Gangtok, Sikkim	195 cum/hr	Sewage treatment clarifier after FAB	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
113.Monnet Ispat (SPG)	800 cum/hr	Raw water clarification	Clariflocculator
114. RIL, Samalkot, CCPP	2600 cum/hr	Raw water clarification	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
115. PWSSB, Mansa	483 cum/hr	Sewage treatment clarifier after FAB	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
116. PWSSB, Budhalda	270 cum/hr	Sewage treatment clarifier after FAB	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
117. Prayagraj Power Generation	8000 cum/hr	Raw water clarification	Solids Contact clarifier
118. Hindalco Mahan	300 cum/hr	Effluent Recycle	Solids Contact clarifier
119. Hindalco Hirakud Power Project	550 cum/hr	Raw water clarification	Solids Contact clarifier
120. GVK ETP	20 cum/hr	Effluent Recycle	Packaged Plate Settlers Unit
121. PWSSB, Phillaur	125 cum/hr	Sewage treatment clarifier after FAB	Mechanical flocculators followed by tube settlers in multiple hopper bottom tanks
122. PWSSB, South Phagwara	333 cum/hr	Sewage treatment clarifier after FAB	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
123. PWSSB, Hoshiarpur	1250 cum/hr	Sewage treatment clarifier after FAB	Tube settlers in circular concrete tanks with rotating scrapper bridge, concentric flocculation zone-Klarisettler
124. Maihar Cement, C & W, Service Solution Group		Raw Water Filteration	Gravity filter beds, Revamp