

**Database**  
**PSP in Water, Sanitation, Solid Waste Management**  
**and**  
**Sewerage Projects**



**March 2013**

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# Database PSP in Water, Sanitation, Solid Waste Management and Sewerage Projects

March (2013)

## List of States and Union Territories:

[Andhra Pradesh](#)

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[Maharashtra](#)

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[Abbreviations](#)

### Note

\*This database of PSP projects is a work-in-progress document. We update it every three months.

\*\*Please click on the relevant state in the above list for more details of the Project.

## **Abbreviations**

**BOO** - Build Own Operate  
**BOOT** - Build Own Operate Transfer  
**BOT** - Build Own Transfer  
**CETP** - Common Effluent Treatment Plant  
**CMC** - City Municipal Councils  
**COD** - Commercial Operation Date  
**DBO** - Design Build Operate  
**DBFOT** - Design Build Finance Operate and Transfer  
**DBOO** - Design Build Own Operate  
**DBOOT** - Design Build Own Operate Transfer  
**DBOT** - Design Build Operate Transfer  
**DFIBR** - Detailed Feasibility and Investment Banking Report  
**DMA** - District Metering Areas  
**DTW** - Depth To Water  
**EOI** - Expression of Interest  
**FIRE(D)** - Financial Institutions Reform & Expansion (Debt)  
**ICB** - International Competitive Bidding  
**IFB** - Invitation For Bids  
**IFC** - International Finance Corporation  
**IIPDF** - India Infrastructure Project Development Fund  
**IWRM** - Integrated Water Resources Management  
**JICA** - Japan International Co-operation Agency  
**JNNURM** - Jawaharlal Nehru National Urban Renewal Mission  
**JUSCO** - Jamshedpur Utilities and Services Company  
**KWDC** - Kutch Water Distribution Company  
**MBR** - Master Balancing Reservoir  
**MGD** - Million Gallons per Day  
**MLD** - Million Liters per Day  
**MoA** - Memorandum of Agreement  
**MoU** - Memorandum of Understanding  
**MSW** - Municipal Solid Waste  
**MT** - Metric Tons  
**MKVDC** - Maharashtra Krishna Valley Development Corporation  
**MWRRA** - Maharashtra Water Resources Regulatory Authority

**O&M** - Operation and Maintenance  
**PPP** - Public Private Partnership  
**RDF** - Refuse Derived Fuel  
**RfP** - Request for Proposals  
**RfQ** - Request for Qualification  
**RWAs** - Resident Welfare Associations  
**RRWSS** - Regional Rural Water Supply Schemes  
**SLF** - Secured Landfill Facility  
**SPML** - Subhash Projects and Marketing Limited  
**SPV** - Special Purpose Vehicle  
**STP** - Sewage Treatment Plant  
**SWM** - Solid Waste Management  
**TPD** - Tons Per Day  
**UIDSSMT** - Urban Infrastructure Development Scheme for Small and Medium Towns  
**WSS** - Water Supply and Sanitation  
**WTP** - Water Treatment Plant  
**WWTP**-Waste Water Treatment Plant

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	8
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	4
4.	<a href="#">Sewage Projects</a>	3
	<b>Total Projects</b>	<b>15</b>

## Water Supply Projects

### 1. Name of Entity: Vishakhapatnam Industrial Water Supply Project (Greater Vishakhapatnam Municipal Corporation)

**Type of PSP:** BOOT-PPP

**Features:** The Andhra Pradesh Industrial Infrastructure Corporation (APIIC), the nodal agency, is undertaking the Visakhapatnam Industrial Water Supply Project (VIWSP), the first of its kind. A MoA was signed in March 2004 with IL&FS for implementing the project on BOOT basis for the period of 35 years. A special purpose vehicle, Visakhapatnam Industrial Water Supply Company Ltd formed to execute the project. To implement VIWSP, VIWSPCo would use existing 153 km long Yeleru Left Bank Canal (YLBC) system to meet immediate future demand of about 300 million litres daily (mld) of various consumers including Visakhapatnam Steel Plant (VSP). The Project will supply 520 MLD water to existing consumers like Visakhapatnam Steel Plant, Visakhapatnam Municipal Corporation and NTPC's Simhadri Power Plant in addition to proposed new large-scale industrial developments such as Jawaharlal Nehru Pharma city, Special Economic Zone, Gangavaram Port etc.

Andhra Pradesh Industrial Infrastructure Corporation Limited (APIIC) partnered by IL&FS is implementing the second PPP project on a commercial format after Tiruppur Water Supply Project. The commercial operations of the project started from December 2004. IL&FS through its India Project Development Fund along with APIIC had invested ₹ 128 million as equity in the project to meet the project development expenses.

The project is implemented in two phases: The first phase, with an outlay of ₹ 275 crore, will involve rehabilitation of the YLBC canal, bulk storage of water at Parwada Industrial Development Area (IDA) and a water distribution system to convey untreated water to industries at Parwada IDA. In Phase I, water to be supplied by reducing seepage losses in the YLBC from 70% to about 32%. Phase II, costing ₹ 753 crore, envisages an intake on Godavari river and water conveyance system to take inflows to YLBC, increasing bulk storage reservoir capacity at IDA and additions of systems to convey untreated water. Phase II will also involve new construction of a system to take water from the Godavari River to YLBC.

Binnie, Black & Veatch Ltd prepared the detailed feasibility and investment banking report (DFIBR) with Kirloskar Consultants as sub-consultants. To conduct the detailed engineering and bidding process Lahmeyer International (India) Ltd, a subsidiary of Lahmeyer, Germany, was appointed.

#### References:

- The Hindu, Online Edition, Oct 17, 2005
- [http://www.niua.org/infrastructure\\_des.asp?title=INDUSTRIAL%20WATER%20SUPPLY%20PROJECT,%20VISAKHAPATNAM](http://www.niua.org/infrastructure_des.asp?title=INDUSTRIAL%20WATER%20SUPPLY%20PROJECT,%20VISAKHAPATNAM)
- The Hindu Online Edition, Sunday, May 14, 2006

- <http://www.projectsmonitor.com/detailnews.asp?newsid=3064>
- <http://www.ilfsindia.com/projects1.asp?Category=1&Project=11&subLink=47>

**Project update:** No update

**Related Links:**

## **2. Name of Entity: Greater Visakhapatnam Municipal Corporation**

**Type of PSP:** BOT-PPP(EOI)

**Features:** The existing 80 nos. of bulk (100 mm to 250 mm size) water supply connections in GVMC area are metered connections. All the connections are fitted with analogous water meters and the meter readings for the water consumption are being taken manually.

Greater Visakhapatnam Municipal Corporation (GVMC) has invited expression of interest for wireless digital metering to all bulk water supply connections from private developers to develop, finance, build, operate and maintain on Build-Operate-Transfer (BOT) basis for a period of 5 years in Public Private Participation (PPP) mode, as per the terms and conditions laid down in the bid document.

**References:**

- [www.twadboard@gov.in](http://www.twadboard@gov.in)
- <http://www.gvmc.gov.in/tenders/pdf/Expresion%20interst%20for%20digital%20meters.pdf>

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Hyderabad Metropolitan Water Supply and Sewerage Board**

**Type of PSP:** PPP

**Features:** 24X7 continuous water supply in select zones of Greater Hyderabad with an estimated project development expense of ₹ 2.4 crore and support sought under IIPDF would be ₹ 1.8 crore

**References:**

- Global Water Intelligence vol10/issue5/May 2009, p. 61

**Project update:** No update

**Related Links:**

### **4. Name of Entity: Vijayawada Municipal Corporation (VMC)**

**Type of PSP:** PPP

**Features:** VMC authorities have floated tenders for privatisation of water supply and sanitation. The general body of the Vijayawada Municipal Corporation on 15th April 2006 approved ₹ 6.25 crore loan from the State Government under Andhra Pradesh Urban Reforms and Municipal Services Project (APURMSP) funded by the World Bank.

There has been opposition from some political parties regarding the conditions imposed on VMC eg. Metering of all domestic water connections, recovery of total cost of sanitation and water supply, implementation of public-private partnership in various departments among others.

**References:**

- The Hindu, Online Edition, Oct 17, 2005

**Project update:** No update

**Related Links:**



## **5. Name of Entity: Andhra Pradesh Government**

**Type of PSP:** BOOT

**Features:** According to Project monitor magazine, “The Andhra Pradesh government has awarded a concession contract to Water-Health Pvt. Ltd, a wholly owned subsidiary of Water-Health International Inc., to run community water systems in five out of 23 districts in the state on BOOT basis.

Under the contract Water-Health India will provide community water systems in at least one village per mandal in Medak, Ranga Reddy, East Godavari, West Godavari and Shrikakulam districts, thus covering over 220 mandals.”

The company has started its operations from April 2010 onwards.

The Water –Health Pvt. Ltd would create necessary infrastructure, maintain and run the centers for the next 10 years. The company has targeted to set up 220 centres this year.

**References:**

- Project monitor, Mumbai, March 1-7, 2010

**Project update:** No update

**Related Links:**

## **6. Name of Entity: Hyderabad Metropolitan Water and Sewerage Board**

**Type of PSP:** PPP (billing, collection and operation of water supply)

**Features:** According to the Government of A.P. website, during the month of March 2010, certain companies from Malaysia & others made a detailed presentation on water projects and shown keen interest to take up the water supply and sewerage Projects through 'PPP' mode. Hence, on pilot basis present project identified for taking up in the first instance under 'PPP' model and proposal being submitted to Govt. of A.P. for consent. The scope of work includes billing, collection and operation of water supply in Hyderabad Metro water Supply & Sewerage Board Area.

**References:**

- <http://www.ppp.ap.gov.in/ProjectDesc.aspx?Recordkey='433'>

**Project update:** No update

**Related Links:**

## **7. Name of Entity: Hyderabad Metropolitan Water and Sewerage Board**

**Type of PSP:** PPP(augmentation of water supply from Krishna river)

**Features:** According to the Government of A.P. website, during the month of March 2010, certain companies from Malaysia & others made a detailed presentation on water projects and shown keen interest to take up the water supply and sewerage Projects through 'PPP' mode. Hence, on pilot basis present project identified for taking up in the first instance under 'PPP' model and proposal being submitted to Govt. of A.P. for consent. The scope of work includes augmentation of water supply from Krishna river.

**References:**

- <http://www.ppp.ap.gov.in/ProjectDesc.aspx?Recordkey='435'>

**Project update:** No update

**Related Links:**

## **8. Name of Entity: Visakhapatnam Urban Development Authority**

**Type of PSP:** PPP(Visakhapatnam bulk water supply project )

**Features:** According to the Government of A.P. website, Visakhapatnam Urban Development Authority will implement the Visakhapatnam bulk water supply project on PPP basis. The estimated cost of the project is ₹11.08 crores.

**References:**

- <http://www.ppp.ap.gov.in/ProjectDesc.aspx?Recordkey='144'>

**Project update:** No update

**Related Links:**

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## **Sanitation Projects**

There are no projects in this section.

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## Solid Waste Management Projects

### 1. Name of Entity: Guntur Municipal Corporation (GMC)

**Type of PSP:** BOOT (EOI)

**Features:**

GMC has invited tenders for selection of Agencies/Developer for development of Integrated Municipal Solid Waste (MSW) Processing facilities at Guntur.

GMC proposes to establish an integrated MSW processing facility capable of handling over 400 tons per day of MSW and complying with the provision of MSW Rules, 2000 at the Kondaveedu Village (about 20 kms from the city) through a developer to design, build, operate, maintenance and transfer basis.

Responsibility of conceptualizing, planning, designing, financing, construction, operation, marketing and maintenance of the facilities, rest with the developer, details are set out in the request for proposal documents.

According to the news report dated Aug 25, 2008, Ramky Enviro Engineers Limited, IL&FS Waste Management & Urban Services Limited, Terra Firma Biotechnology and SELCO International Limited made presentation before GMC. Very few corporators attended the meeting.

The reports also stated that Shriram Energies set up a pelletisation plant in Guntur promising to consume 250 tons of waste four years ago but it hardly ran for a couple of months, that too with interruptions.

**References:**

- The Times of India, 8th February 2008, Page 6
- [http://www.nlsenlaw.org/copy\\_of\\_news/gmc-seeks-proposals-on-solid-waste-management](http://www.nlsenlaw.org/copy_of_news/gmc-seeks-proposals-on-solid-waste-management)

**Project update:** No update

**Related Links:**

## **2. Name of Entity: Greater Hyderabad Municipal Corporation**

**Type of PSP:** DBFOT -PPP

**Features:** Ramky Enviro Engineers Ltd (REEL) has won the contract for implementing the Integrated Municipal Waste Management Project for the city of Hyderabad. The concession agreement period for this project is 30 years. The implementation of the project would be on DBFOT basis on PPP mode. REEL signed an agreement with GHMC on 21st February 2009. This is the first comprehensive project of its kind in India for metro cities covering the complete scope of door-to-door collection, transportation, processing and disposal for the entire GHMC Area.

GHMC shall license the land to concessionaire at a nominal license fee. The project is to be established with an investment of ₹ 897 crore, partly funded by the government and with anticipated revenues from tipping fee and processing of waste revenues being initially ₹100 crore per annum and reaching to ₹ 400 crore per annum from 7th year of operation. The project configuration comprises of four integrated waste management sites with 8 transfer stations and complete logistics for waste collection and transportation from the source of generation. This is by far the largest MSW (Municipal Solid Waste) project in the country on DBFOT basis and the first mega project for REEL.

Concessionaire shall be the sole and exclusive person entitled to undertake the project in the GHMC area, and GHMC agrees that no agreement or arrangement permitting such activities by any other party shall be entered into by GHMC directly or indirectly during the concession Period. Concessionaire shall be free to sell or otherwise dispose of any components of MSW and products derived or produced from the Plant.

GHMC intends to select an Independent Engineer (IE) through a transparent competitive bidding process for reviewing; monitoring the activities associated with design, construction, operation, and maintenance of the project facilities. The initial term of the Independent Engineer is 3 years. For the purpose of empanelment of IE, GHMC has invited 'Expression of Interest' (EOI) from interested parties to undertake and perform the duties and functions of IE.

Government and Private equity ratio is 50: 50. Times of India in its report stated that the municipal administration and urban development (MA&UD) department has finally decided to give a go ahead to the Integrated Solid Waste Management (ISWM) project, which was on hold for the last six months.

The state government has issued a memo permitting project developer Ramky to take up works at Jawaharnagar dumping yard and abandoned dump yards at Fathullaguda, Gandhamguda and Shamshiguda for reclamation and alternate use. Though the Ramky group and GHMC

entered into an agreement in February 2009, the project implementation was kept in abeyance due to objections and concerns raised by municipal workers' unions.

The GHMC unions were opposing the handing over of collection and transportation of garbage to Ramky. The employee unions even went on strike and stopped sanitation works for a few days in July 2009 forcing the state government to keep the agreement on hold. After holding consultations with union leaders, the MA&UD department has issued a memo recently permitting pre-construction works.

The state government has also agreed to provide funds and bear the project cost (including Centre's contribution) if the central government does not allocate funds for the project under Jawaharlal Nehru National Urban Renewal Mission (JNNURM). The Centre had earlier refused to release its share of ₹152 crore under JNNURM on the grounds that the state had already exhausted its allocation for seven years apart from additional allocation of ₹100 crore as per the Planning Commission's directive.

According to a news report, Environment Protection Training and Research Institute (Eptri) rejected the proposed plan of implementation of the project in a phased manner. Eptri, which has been acting as the independent engineer for the project, reportedly informed that the concession, payment of tipping fee of Rs 1,431 per tonne would come into effect only if treatment and disposal was done along with other works.

**References:**

- Global Water Intelligence vol10/issue5/May 2009, p. 55
- [http://www.ghmc.gov.in/includefiles/EOI\\_for\\_Independent\\_final.pdf](http://www.ghmc.gov.in/includefiles/EOI_for_Independent_final.pdf)
- [www.pppindiadatabase.com/Screens/fmView.aspx?PROJECTID=SIpio3wbvOA=&AUTHORISEDUSER=N](http://www.pppindiadatabase.com/Screens/fmView.aspx?PROJECTID=SIpio3wbvOA=&AUTHORISEDUSER=N)

**Project update:** No update

**Related Links:**

- <http://timesofindia.indiatimes.com/city/hyderabad/Waste-management-project-gets-nod/articleshow/5466250.cms>
- <http://flashnewstoday.com/index.php/solid-waste-management-project-hits-roadblock-again/>

### **3. Name of Entity: Greater Visakhapatnam Municipal Corporation**

**Type of PSP:** DBOT

**Features:** Commissioner, Greater Visakhapatnam Municipal Corporation (GVMC.) has invited expression of interest from reputed firms for landfill reclamation and development of integrated facility at Kapuluppada on design, build, operate and transfer (DBOT) basis. GVMC intends to develop landfill reclamation and integrated facility project as per MSW 2000 Rules, GoI at Kapuluppada disposal site.

**References:**

- Global Water Intelligence vol10/issue5/May 2009, p. 61

**Project update:** No update

**Related Links:**

#### **4. Name of Entity: Vijaywada Municipal Corporation**

**Type of PSP:** PPP

**Features:** According to meeting minutes of Central Sanctioning and Monitoring Committee, the MSW project will segregate waste at source and will encompass the entire cycle of collection, transportation, treatment and sanitary landfill. The project is implemented under JNNURM under PPP mode. The proposal was approved as under for total approved cost of Rs. 58.05 crore where ACA admissible (i.e .50%) is ₹29.02 crore. The ULB will pass a resolution indicating the present and proposed expenditure and annual user charges.

Vijayawada Municipal Corporation will get garbage collection at source done through SHG's on which 50% of the contribution towards garbage collection will be accounted for by resident welfare associations and will impose fines on persons throwing garbage under the provisions of Municipal Act. There are no separate user charges so far and it was a part of the property tax plus some additional cess is also imposed. The ULB share of 30% of the project cost ₹17.49 cr would be borne by PPP arrangements for which Expression of Interest will be called for private partnership for a period of five years. Sriram Energy Systems Pvt. Ltd. is involved with the Municipal Corporation in converting solid waste into energy and earning Rs 4 lakhs p.m. revenues from this company.

**References:**

- [http://jnnurm.nic.in/nurmudweb/CSMC/CSMC\\_Meeting/58\\_Meeting.pdf](http://jnnurm.nic.in/nurmudweb/CSMC/CSMC_Meeting/58_Meeting.pdf)

**Project update:** No update

**Related Links:**

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## Sewage Projects

### 1. Name of Entity: Vijayawada Municipal Corporation (VMC)

**Type of PSP:** Design, construction, operation and maintenance

**Features:** VMC intends to take up the work of “construction of 40 MLD sewage treatment plant at Singh Nagar in Vijayawada” on turnkey basis including maintenance of the plant for five years. This work is being taken up under Jawaharlal Nehru National Urban Renewal Mission (JNNURM) to augment the treatment capacity of sewerage in the city.

**References:**

- [http://www.dorsch.de/hosts/dorsch\\_holding/dy/img/ed/File/Expression%20of%20Interest\(1\).doc](http://www.dorsch.de/hosts/dorsch_holding/dy/img/ed/File/Expression%20of%20Interest(1).doc)

**Project update:** No update

**Related Links:**

### 2. Name of Entity: Hyderabad Metropolitan Water Supply and Sewerage Board

**Type of PSP:** PPP

**Features:** Construction of a sewerage treatment plant for an industrial area (Jeedimetla) in Hyderabad with an estimated project development expenses of ₹ 1.5 crore and support sought under IIPDF (India Infrastructure Project Development Fund) would be ₹ 1.125 crore.

**References:** Global Water Intelligence vol10/issue5/May 2009, p. 61

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Hyderabad Metropolitan Water Supply and Sewerage Board**

**Type of PSP:** PPP

**Features:** Improvement of water supply and sewerage services in Hi Tech City area (Serilingampally) with an estimated project development expenses of ₹ 2.40 crore and support sought under IIPDF would be ₹ 1.80 crore.

**References:** Global Water Intelligence vol10/issue5/May 2009, p. 61

**Project update:** No update

**Related Links:**

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**Assam**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	5
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	1
4.	<a href="#">Sewage Projects</a>	0
	<b>Total Projects</b>	<b>6</b>

## Water Supply Projects

### 1. Name of Entity: Guwahati Municipal Corporation

**Type of PSP:** PPP-BOT(24x7)

**Features:** The water supply scheme of ₹ 350 crore is designed to cater to the demands of West Guwahati. The incumbent contractor would construct the project, on turnkey basis within 30 months. Delhi-based Tahal Consulting Engineers is rendering project consultancy with the detailed project report already in place.

The project would be executed by Gammon India and the project would be completed by May 2011. The project, which will produce 107 million litres of water per day (MLD), ₹ 200 crore has been released by the Centre under the Jawaharlal Nehru National Urban Renewal Mission (JNNURM) and the remaining amount of ₹ 150 crore has been provided by the state government.

The project will cover areas on the western part of the city from Bharalumukh to LGBI airport. The Brahmaputra will be source of water and the intake point will located at West Kamakhya area. The water treatment plant of the project will be located at Sadilapur near Saraighat bridge. Gammon India would operate and maintain the scheme for 5 years.

**References:**

- <http://www.projectsmonitor.com/detailnews.asp?newsid=17462>

**Project update:** No update

**Related Links:**

- [http://www.telegraphindia.com/1100408/jsp/northeast/story\\_12314929.jsp](http://www.telegraphindia.com/1100408/jsp/northeast/story_12314929.jsp)

## **2. Name of Entity: Guwahati Municipal Corporation**

**Type of PSP:** PPP-BOOT

**Features:** Two water supply schemes will soon start with financial aid of Japan International Cooperation Agency (JICA). One of these schemes will be for Central Guwahati. The preparatory work for the project will start by April 2009. In these PPP projects, the project developer would design, build, operate and transfer the project but the financing would be done by government.

**References:**

- <http://www.projectsmonitor.com/detailnews.asp?newsid=17462>

**Project update:** No update

**Related Links:**

- <http://www.sentinelassam.com/mainnews/story.php?sec=1&subsec=0&id=53212&dtP=2010-11-11&ppr=1>

### **3. Name of Entity: Guwahati Municipal Corporation**

**Type of PSP:** DBOT-PPP

**Features:** A water supply scheme will be initiated with loan assistance from ADB. The preparatory work for the project will start by April 2009. This would be a PPP project, the project developer would design, build, operate and transfer the project but the financing would be done by the government.

**References:**

- <http://www.projectsmonitor.com/detailnews.asp?newsid=17462>

**Project update:** No update

**Related Links:**

#### **4. Name of Entity: Guwahati Development Department and Guwahati Municipal Corporation (GMC)**

**Type of PSP:** PPP (Operation and maintenance of Drinking Water Supply)

**Features:** Guwahati Municipal Corporation (GMC) intends to develop 100 % installation of water meters at house hold level within GMC piped water network on Public-Private-Partnership (PPP) basis. The Guwahati Municipal Corporation has invited 'Expression of Interest' (EOI) from firms/companies/joint ventures /consortia interested in implementing the project through PPP model. The developer will be responsible for all the activities relating to installation of water meters and collection of bills etc. within the GMC water supply area. Total installed capacity of WTP/DTW is 74 MLD approx. estimated cost of the project is ₹ 4. 56 Crore. The project is in pipeline.

**References:**

- <http://assamppp.gov.in/ppp-projects-status.asp>
- <http://www.guwahatimunicipalcorporation.com/GMCHome/tender/eoi-water-final-approved-by-gmc.pdf>

**Project update:** No update

**Related Links:**

#### **5. Name of Entity: Central Public Works Department**

**Type of PSP:** Operation and maintenance of water supply system

**Features:** The Executive Engineer of Central Public Works Department, Silchar invites tender notice for commissioning and operation of water treatment plant and maintenance work of water supply system.

**References:**

- <http://tenders.indiamart.com/details/523395434/>
- [http://2.imimg.com/data2/RD/VT/HTT-882/882\\_2011-06-03\\_1307093747.jpg](http://2.imimg.com/data2/RD/VT/HTT-882/882_2011-06-03_1307093747.jpg)

**Project update:** No update

**Related Links:**

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## **Sanitation Projects**

There are no projects in this section.

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## Solid Waste Management Projects

### 1. Name of Entity: Guwahati Municipal Corporation

**Type of PSP:** BOOT-PPP-JNNURM Scheme

**Features:** Hyderabad based Ramky Enviro Engineers Ltd. has won the contract for the project. The project would involve the entire cycle of waste collection to power generation. The concession agreement with the Guwahati Municipal Corporation was signed on October 29, 2008. The project costing around ₹ 102 crore will be implemented on BOOT basis under a 20-year concession agreement.

Under the agreement, Ramky will be responsible for the entire waste cycle management, including primary (door-to-door) collection of municipal solid waste, transportation of Municipal Solid Waste (MSW) to the processing site and processing/ disposal of MSW. The last aspect would include setting up a 650-tonne per day plant (tpd) to convert MSW into refuse derived fuel (RDF), a compost plant of 50 tpd to produce manure and a 6 MW power plant that would run largely on the RDF produced. Infrastructure Development Corporation of Assam Ltd, a joint venture between Guwahati Metropolitan Development Authority and IL&FS, is acting as project management consultant.

**References:**

- <http://www.projectsmonitor.com/detailnews.asp?newsid=17275>

**Project update:** No update

**Related Links:**

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## Sewage Projects

There are no projects in this section.

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**Bihar**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	1
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	1
4.	<a href="#">Sewage Projects</a>	1
	<b>Total Projects</b>	<b>3</b>

## Water Supply Projects

### 1. Name of Entity: Bihar Urban Infrastructure Development Corporation (BUIDCo)

**Type of PSP:** DBOT

**Features:**

BUIDCo has invited firms to develop the new 24x7 water supply system for the Patna city. The contract is likely to be awarded in January 2012. The selected firm would have to complete the project in 24 months. The corporation has recently invited firms to design, build, operate, manage and maintain the new water supply system in the city. ₹ 500 crore from Jawaharlal Nehru National Urban Renewal Mission funds would be utilised for the project.

Apart from construction, operation and management of the river water intake well in the Ganga, the scope of work under the new water supply scheme includes 72 new overhead water tanks and minimum of 25 tubewells across the city. Efforts are being made to award the work to the successful bidder by January 2012. The selected firm would be responsible for managing the water supply network for 10 years. Thereafter, the civic body would look after it.

The fresh project envisages 24x7 water supply system for the city by rehabilitating and upgrading the existing system. Under the new scheme, the city would be split into two zones — north and south. The Delhi-Howrah railway line would be the dividing line.

The part of the city to the north of the railway tracks would be supplied water from the Ganga. New tubewells and reservoirs would be constructed for supplying water to the southern zone round-the-clock. The existing water facilities would also be renovated.

To ensure continuous water flow to the “south city”, a raw water pump house having water intake capacity of 310 million litres per day (MLD) would be built on the Ganga riverbed near Digha railway yard. A 220 MLD water treatment plant would be installed over 25 acres of land at Digha diara. A clear water reservoir with a capacity to store 220 MLD of water for four hours would also be developed. It would be connected with clear water pump houses that would be operational for 22 hours a day.

The existing water supply system of Patna town is based on groundwater sources. It does not utilise the water of three rivers in the vicinity — Ganga, Sone and Punpun. Bihar Rajya Jal Parishad developed the existing water supply system. It is operated and managed by Patna Municipal Corporation. The existing water network consists of tubewells. The water is treated now just by online electro-chlorinators.

The present distribution system includes 23 overhead tanks. Only four of them are in use now. The remaining 19 overhead tanks are not in use because of leakage problems. A large part of the water distribution

system is over 30 years old.

**References:**

- [http://www.telegraphindia.com/1111213/jsp/bihar/story\\_14872821.jsp](http://www.telegraphindia.com/1111213/jsp/bihar/story_14872821.jsp)

**Project update:**

No update

**Related Links:**

[Back](#)

## **Sanitation Projects**

There are no projects in this section.

[Back](#)

## Solid Waste Management Projects

### 1. Name of Entity: Patna Municipal Corporation

**Type of PSP:** BOOT

**Features:** Patna Municipal Corporation has invited bids for Integrated Municipal Waste Processing and Disposal Project in Patna. The scope of work includes construction and development of MSW processing facility comprising of RDF & Compost Plant along with a 10 MW Power Plant (optional) and its operation and maintenance for the specified period (25 Years).

The project also includes construction and development of Sanitary Landfill Facility (SLF) for Processing Rejects and other inert components of MSW and its operation and maintenance for the specified period (25 Years)

**References:**

- <http://tenders.indscanblog.com/2010/01/pmc-invites-bid-for-integrated-municipal-solid-waste-processing-and-disposal-project/>

**Project update:** No update

**Related Links:**

[Back](#)

## Sewage Projects

**1. Name of Entity: Bihar Urban Infrastructure Development Corporation Ltd. (BUIDCo) ( A Govt. Of Bihar undertaking)**

**Type of PSP:** Laying, testing, commissioning sewage system and designing and construction, operation and maintenance of STP and sewage system at Begusarai town.

**Features:** BUIDCo has invited tenders for laying, testing, commissioning sewage system and designing and construction, operation and maintenance of STP and sewage system at Begusarai town for the period of five years.

**References:**

- Times of India, Mumbai, 19 Aug 2010, Page-8

**Project update:** No update

**Related Links:**

[Back](#)

**Chandigarh**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	0
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	0
4.	<a href="#">Sewage Projects</a>	1
	<b>Total Projects</b>	<b>1</b>

## Water Supply Projects

There are no projects in this section.

## Sanitation Projects

There are no projects in this section.

## Solid Waste Management Projects

There are no projects in this section.

## Sewage Projects

### 1. Name of Entity: Municipal Corporation Chandigarh

**Type of PSP:** Design, construction, supply, erection, testing, commissioning, operation and maintenance of STP

**Features:** Municipal Corporation of Chandigarh has invited tenders for construction of 50 MLD capacity Sewage Treatment Plant (STP) and Main Pumping Station (MPS) near 3BRD Chandigarh.

The scope of work involves design, construction, supply, erection, testing, commissioning, along with operation and maintenance for a period of 120 months after stabilization period of 180 days on turnkey basis complete in all aspects

**References:**

- Times of India, Mumbai, 15 July 2010, Page-11

**Project update:** No update

**Related Links:**

[Back](#)



**Chhattisgarh**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	2
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	1
4.	<a href="#">Sewage Projects</a>	0
	<b>Total Projects</b>	<b>3</b>

## Water Supply Projects

### 1. Name of Entity: Borai Industrial Estate Water Supply Project (Off take from River Sheonath)

**Type of PSP:** Concession Contract

**Features:** A 30 MLD industrial water supply scheme, which includes 4 MLD take-or-pay clause. The company, Radius Water was allowed to build an anicut on river Sheonath for this scheme. Radius Water was also given full rights to 23.5 kms of reservoir behind the anicut, the reservoir was taken over by the company and local people prevented from access to the river. The State government had assured regulated water release to the company. The finance for the project was provided by Chhattisgarh State Industrial Development Corporation (CSIDC) as an intercorporation deposit. The concession period was for 20 years.

The concession was cancelled by the cabinet of the state government after mass movements & demonstrations by the local people.

The PAC (Public Accounts Committee) has found severe irregularities in the contract after going through the reports and evidence available. It has also said that MPAKVN (Madhya Pradesh Audhyogik Kendra Vikas Nigam) did not have the authority to hand over an important responsibility like water supply to a private company. With regards to the irregularities in the tendering process the committee considers it highly objectionable and considers it a criminal act leading to undesirable profits in violation of procedure.

**References:**

- [www.manthan-india.org](http://www.manthan-india.org)

**Project update:** No update

**Related Links:**

## 2. Name of Entity: Naya Raipur Development Authority (NRDA)

**Type of PSP:** BOT Concession Contract-PPP

**Features:** NRDA has invited Request For Proposals (RFP) for implementation of water supply system in Naya Raipur on BOT basis in June 2008. The scope of the work involves design, finance and construction of project facilities, water treatment facility, pumping mains, storage reservoirs, operation and maintenance of project facilities and of the distribution network in select sectors for the period of 8 years. The value of the work is ₹ 240 crore.

Delhi-based Jindal Water Infrastructure (JWIL) has bagged ₹ 156-crore contract for water supply as reported on Business Standard web site dated 6 August 2009. As per the report, five companies participated in the bidding stage. Under the project, a water treatment plant would be build besides laying water supply pipeline in the new capital area that also comprises 61 villages.

It also reported that after the completion of the first phase of work, the company will start supplying 52 million litres per day (MLD) of water in the new capital zone and JWIL would take care of the maintenance for eight years.

The work for building up the new capital is moving on fast track. The NRDA had set a target to shift the capital complex that would house the state secretariat and mantralaya by June 2010.

According to corrigendum-1 dated 14 January 2010, Expression of Interest (EoI) has been invited by Naya Raipur Development Authority (NRDA) for selection of Project Engineer / Independent Engineer for development of the Water Supply Project in Naya Raipur through Public Private Partnership (PPP).

**References:**

- Project Monitor, Dated 16-22 June, 2008
- <http://www.business-standard.com/india/news/jindal-water-bags-rs-156-cr-order-in-chhattisgarh/70059/on>

**Project update:** No update

**Related Links:**

- <http://www.nayaraipur.com/download/Corrigendum%20%20-%20FINAL.pdf>
- <http://www.globalwaterintel.com/archive/12/4/general/jindal-takes-second-partner-expansion-plan.html>

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## Sanitation Projects

There are no projects in this section.

## Solid Waste Management Projects

### 1. Name of Entity: Raipur Municipal Corporation

**Type of PSP:** DBFOT -PPP

**Features:** Kivar Environ, a private company, has signed a Concession Agreement with Raipur Municipal Corporation for the implementation of Integrated City Sanitation and Municipal Solid Waste Management Project in Raipur. The company would Design, Build, Operated, Finance and Transfer (DBFOT) project based on Public Private Partnership (PPP) model. The company has formed a special purpose vehicle named Raipur Waste Management Private Limited (RWMPL) to implement the Integrated City Sanitation and Municipal Solid Waste Management Project.

Under the [contract](#) RWMPL will deliver the project in two phases. In the first phase it will provide city sanitation such as street sweeping and cleaning of drains. It will also be responsible for primary and secondary [collection](#) of waste including door-to-door collection. The company would also provide secondary transportation of waste to transfer stations & processing facility, as well as deliver comprehensive Information Education and Communication (IEC) activities covering all strata of the society for effective environment management.

**References:**

- [http://www.waste-management-world.com/index/display/article-display/4842716360/articles/waste-management-world/markets-policy-finance/2012/09/Contract\\_for\\_600\\_TPD\\_Integrated\\_Waste\\_Project\\_in\\_Raipur\\_\\_India.html](http://www.waste-management-world.com/index/display/article-display/4842716360/articles/waste-management-world/markets-policy-finance/2012/09/Contract_for_600_TPD_Integrated_Waste_Project_in_Raipur__India.html)

**Project update:** No update

**Related Links:**

## Sewage Projects

There are no projects in this section.

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**Delhi**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	8
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	1
4.	<a href="#">Sewage Projects</a>	11
	<b>Total Projects</b>	<b>20</b>

## Water Supply Projects

### 1. Name of Entity: Delhi Jal Board (DJB) - Delhi Water Supply & Sewerage Project

**Type of PSP:** Management Contract (Domestic & Commercial Water Supply)

**Features:** DJB had invited pre-qualification bids for management contract for water supply and sanitation in operation zones South II and III on 12 Feb. 2005. The population served in these two zones is respectively 8, 00, 000 and 6, 00,000.

Management consultants PWC (Price Waterhouse Coopers) conducted the study for these zones and suggested to privatise the water supply. DJB on the basis of PWC report and in consultation with the World Bank had short listed 4 multi-national water companies for management contracts, these included Suez, SAUR, Bechtel and Veolia.

Mass protest campaigns lead by Parivartan, including several RWAs, organisations and common people were staged against the privatisation process.

Subsequently, the loan application was withdrawn by the Delhi government in the face of grave irregularities and resulting in mass public campaigns in Delhi.

**References:**

- Documents obtained under RTI by Parivartan, Delhi from DJB & Delhi Government.

**Project update:** No update

**Related Links:**

## **2. Name of Entity: Sonia Vihar Water Treatment Plant**

**Type of PSP:** DBO contract

**Features:** According to news reports, the project would be implemented on design, build and operate basis for the period of 10 years. The estimated operational cost of the project is ₹ 200 crore and the estimated construction cost of the project is ₹ 700 crore. The scheme would supply 140 MGD (Million Gallons per Day) water to Delhi. Water would be drawn from the Upper Ganga Canal. The contract has a take-or-pay clause of about ₹ 3 crore per year. In the year 2007 water treatment plant at Sonia Vihar became operational. In the year 2008, 140 MGD water treatment plant at Sonia Vihar was still not functioning to its capacity. Sonia Vihar plant had been suffering owing to a deficient raw water supply from Tehri Dam. Ondeo Degrmont, a private firm will operate the Sonia Vihar plant for 10 years.

Operations of the plant had run into controversy since Uttar Pradesh government has denied water to Delhi from Upper Ganga Canal citing shortage in Bhagirathi river and the requirements of its farmers. After negotiations between Delhi and UP governments the plant was officially opened in June 2005 for trial operations, but faced problems of water supply. The Delhi government has signed a Memorandum of Understanding with the UP government for a supply of 140 MGD water to Delhi to recoup the shortfall.

**References:**

- <http://www.expressindia.com/latest-news/supply-down-sonia-vihar-plant-going-phut-get-set-for-empty-buckets-this-summer/302170/>
- <http://timesofindia.indiatimes.com/city/delhi/Finally-Sonia-Vihar-springs-to-life/articleshow/1543279.cms>

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Delhi Jal Board**

**Type of PSP:** Design, Build, Operate and Maintain

**Features:** The Hyderpur - Wazirabad Water Project in Delhi is a water supply project - on a design, build, operate and maintain mode for 1 year. This project has been undertaken by SPML. The project mainly comprises of 4 Km long 2400 mm diameter twin over-ground MS pipeline on piled RCC trestles and 1 Km long 3000 mm dia underground MS pipeline. The value of the contract is ₹ 121 crore.

**References:**

- [http://www.spml.co.in/business/epc/waterprojects/waterproject\\_Hyderpur.htm](http://www.spml.co.in/business/epc/waterprojects/waterproject_Hyderpur.htm)
- <http://spml.co.in/mediaroom/downloads/dtwm/SPML%20Water%20Capabilities%20Brochure.pdf>

**Project update:** No update

**Related Links:**



#### **4. Name of Entity: Delhi Jal Board**

**Type of PSP:** Operation and Maintenance

**Features:** According to website [www.livemint.com](http://www.livemint.com), the Delhi Jal Board (DJB), is planning to outsource operations and management of one of its seven zones to a private contractor to curb high leakage rates and improve performance.

The plan is in its initial stages and Infrastructure Leasing and Financial Services Ltd (ILF&S) would prepare a detailed project report for privatizing the operations and management of the Nangloi zone, which includes a water treatment plant with a capacity of 40 million gallons a day and supplies water to some 700,000 residents in the national capital's western suburbs.

The project report is expected by January 2011, after which the government may look to get funds under Jawaharlal Nehru National Urban Renewal Mission to part-finance the project.

The contractor would have to renovate and rehabilitate the board's network, which it would have to operate and maintain for 30 years. The contractor would get annuity and then incentives for reducing losses.

As per the news report, DJB cleared a project for revamping the plant in its board meeting on 26 October 2012. The work, awarded at a capital cost of Rs 652.32 crore, includes improvement and revamping of the existing water supply through operating the water treatment plant, transmission and distribution network. However, Citizens Front for Water Democracy (CFWD) claims the project is highly overpriced and have raised objections against DJB's newest public private partnership project, the Nangloi water treatment plant (WTP).

**References:**

- <http://www.livemint.com/2010/08/03215115/Delhi-Jal-Board-may-outsource.html?type=tp>

**Project update:** No update

**Related Links:**

- [http://articles.timesofindia.indiatimes.com/2012-11-02/delhi/34877413\\_1\\_djb-nangloi-water-treatment-plant-delhi-jal-board](http://articles.timesofindia.indiatimes.com/2012-11-02/delhi/34877413_1_djb-nangloi-water-treatment-plant-delhi-jal-board)

## 5. Name of Entity: Delhi Jal Board

**Type of PSP:** Operation and Maintenance

### **Features:**

Delhi Jal Board (DJB) is likely to kick off a pilot project in Vasant Kunj where a private player would be allowed to manage water distribution in the colony. DJB is preparing a bid document to launch the project, which it terms as 'non-revenue water (NRW) reduction' through "performance-based contract. The contractor would have the responsibility of replacing faulty customer meters, ensuring leak detection and repair and replacing leaking and dilapidated distribution main and service connections. He would also carry out customer meter readings and household surveys.

The firm would also have the responsibility of detecting illegal connections and will be awarded incentive for each case of detection of illegal use, which will be reported to the Jal Board. The incentive would be given only if the reported cases are established as illegal connections after investigation.

The incentive will be given in addition to the payments that the contractor would get in the form of fixed monthly cost, reimbursable, and performance-based payments. Payments would be made for all activities, services, equipment, civil and installation works as well as the supply of material required to meet the target.

### **References:**

- <http://timesofindia.indiatimes.com/city/delhi/Water-supply-privatization-starts-on-pilot-basis-with-Vasant-Kunj/articleshow/6680186.cms>

**Project update:** No update

### **Related Links:**

## 6. Name of Entity: New Delhi Municipal Council (NDMC)

**Type of PSP:** PPP

**Features:**

According to the news report, the New Delhi Municipal Council (NDMC) has signed a contract agreement with a joint venture firm to revamp the existing water supply system. The project entails a water audit and consumer survey to ensure 24X7 water supply in NDMC areas.

The project will be implemented on the public-private-partnership model. Work will be taken up in three phases. In phase-I the consultants for the project will study deficiencies in the water system and provide us with solutions to achieve continuous water supply in our areas. In phase-II, bid documents and evaluation criteria for implementation of the project through PPP will be prepared. In the last phase, project management and monitoring for construction and rehabilitation of the network will be taken up. The NDMC is going to pay ₹ 1.4 crore as consultancy charges. The cost of the project could run into ₹ 200 crore to ₹ 300 crore.

The consultant will also help NDMC identify a competent agency which will be appointed on a PPP model. The project will be funded under Jawaharlal Nehru National Urban Renewal Mission.

NDMC has signed the contract agreement with a JV Firm consisting of DRA Consultants Pvt Ltd, Nagpur, Shah Technical Consultants Pvt Ltd, [Mumbai](#) and Miya [Manila](#) Water Projects Inc, [Philippines](#).

**References:**

- [http://articles.timesofindia.indiatimes.com/2011-06-02/delhi/29612209\\_1\\_ndmc-areas-water-supply-water-audit](http://articles.timesofindia.indiatimes.com/2011-06-02/delhi/29612209_1_ndmc-areas-water-supply-water-audit)

**Project update:**

No update

**Related Links:**

## 7. Name of Entity: Delhi Jal Board (DJB)

**Type of PSP:** Water distribution, operation and maintenance- PPP

**Features:** According to the news report, the DJB has approved three pilot projects in Malviya Nagar, Vasant Vihar, Mehrauli and Nagoli areas under PPP mode. The scope of work includes water distribution, management and maintenance of the DJB's infrastructure in the above areas. The private developer will be paid a "fee" for their services.

A pilot project for privatized distribution of water in Malaviya Nagar, Vasant Vihar and Mehrauli areas of South Delhi has been approved by the Delhi Jal Board (DJB). The Malaviya Nagar area is being handed over to a consortium of SPML Infra and French MNC Suez Degremont. A combine of SPML Infra, Tahal Consulting Engineers and, Israel's largest water company Hagihon Jerusalem Water and Wastewater Works, have been awarded the Mehrauli and Vasant Vihar areas.

The contracts would be awarded for 10-12 years for the key operators. Under the project, the assets will remain with the DJB and the Board would pay to private parties for distribution and maintenance.

Cost of Rs 253.30 crore is estimated for Malviya Nagar project, including recovery of 30 per cent operator's contribution in Rs 87.68 crore (Rs 171.62 crore - Rs 83 crore) of rehabilitation and development cost. For Mehrauli and Vasant Vihar projects, the estimated cost is Rs 201 crore. The areas to be covered in Malviya Nagar include Khirki, Saket, Adhchini, Begumpuri, Chirag Delhi, Hauz Rani, Shivalik, Pushp Vihar, Sheikh Sarai, Qutub Institutional Areas, Nav Jeevan, Sarvodaya Enclave; Qutub, Lal Tanki, Bawaji Wala, Kishan garh and Garhwal colony in Mehrauli areas; West End Enclave, Shanti Niketan, Anand Niketan in Vasant Vihar areas.

**References:**

- <http://timesofindia.indiatimes.com/city/delhi/Delhi-government-opens-up-water-sector-for-private-players/articleshow/10907078.cms>
- <http://newsclick.in/india/hell-bent-water-privatization-delhi>
- <http://www.dailypioneer.com/city/85253-privatisation-of-water-supply-set-in-motion.html>

**Project update:** No update

**Related Links:**

## **8. Name of Entity: Delhi Jal Board (DJB)**

**Type of PSP:** Operation and maintenance-PPP

**Features:** According to the news report, the DJB will invite request for qualification (RFP) for Malviya Nagar for 50-55 MLD water treatment plant from the private operator for the period of 15 years of concession period.

**References:**

- <http://www.indiawaterreview.in/Story/News/djb-eyes-nagpurlike-ppp-model-for-water-supply-negi/478/1>

**Project update:** No update

**Related Links:**

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## **Sanitation Projects**

No projects in this section

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## Solid Waste Management Projects

### 1. Name of Entity: Municipal Corporation of Delhi (MCD) and New Delhi Municipal Council (NDMC)

**Type of PSP:** BOOT contract (EOI)

**Features:** MCD and NDMC would implement a municipal waste processing facility in Delhi on BOOT basis capable of processing around 2, 050 tonnes per day of municipal solid waste, an integrated municipal waste processing facility at Timarpur and Okhla in Delhi.

MCD and NDMC have mandated IL&FS, to structure the project, to evaluate various technologies, to carry out project development and select a suitable developer by ICB (International Competitive Bidding) for implementing the project. Bidding for selecting the BOOT operator was initiated by IL&FS in August 2007 and has been completed in January 2008. Pursuant to the bidding process, 30 parties had shown interest by way of purchasing the bid documents and finally 6 bids were received by the last date of bid submissions (24th January 2008). Post evaluation of financial proposals, M/s Jindal Urban Infrastructure Limited (JUIL), lowest bidder quoted first year tariff of ₹ 2.49 and levelized tariff of ₹ 2.83 was selected. Some of the features include - integration of technologies like bio-methanation, RDF and power plant for MSW processing, land for the project and supply of MSW at the project site would be by MCD/NDMC. Initial development work for the project had been completed including characterisation of MSW, signing of concession agreement, draft detailed project reports, project structuring, etc. Most of the statutory clearances have been obtained including authorisation for site, Airport Authority of India, etc.

**References:**

- Economic Times, 12th Feb 2007
- <http://ilfswasteexchange.com/html/TOWMCPL.pdf>

**Project update:** No update

**Related Links:**

[Back](#)

## Sewage Projects

### 1. Name of Entity: Delhi Jal Board (DJB)

**Type of PSP:** Design, Construction and Operation Contract

**Features:** DJB has awarded Degrémont a contract for the design, construction and 10-year operation of a wastewater treatment and reuse plant at Okhla in the south of the city for a total cost of 27 million Euros (₹ 1.5 billion) in early 2008.

Fully funded by a loan from the Japan Bank for International Cooperation (JBIC), the construction of the plant will take 30 months and with a capacity of 136.5 MLD (136,500 m<sup>3</sup>/d), it will treat wastewater of 600,000 population. The capacity of this plant is 136.4 MLD

The treated water produced by the plant will be mainly recycled for use in irrigating the surrounding agricultural land. The waste water can also be directed into the natural environment to improve the water quality.

**References:**

- <http://www.thehindubusinessline.com/2008/01/29/stories/2008012950062500.htm>

**Project update:** No update

**Related Links:**

### 2. Name of Entity: Government of Delhi

**Type of PSP:** EOI for PSP

**Features:** EOI from consultants for preparation the feasibility study report, basic designs, detailed designs, and bid documents for wastewater management schemes for the Najafgarh and Shahdara drainage basins. The sewerage zones included in drainage basins are Keshopur, Rithala, & Trans-yamuna sewerage zones.

**References:**

- Project Monitor, Feb 26, 2007

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Delhi Jal Board**

**Type of PSP:** BOT Contract

**Features:** The plant was inaugurated in October 2002, it treats 80 million gallons per day (mgd) of sewage. Operations are handled by Suez subsidiary Ondeo-Degremont.

The Delhi Jal Board (DJB) has given its consent to supply raw water from Rithala sewage treatment plant to 108-MW gas-run plant at Rithala.

**References:**

**Project update:** No update

**Related Links:**

### **4. Name of Entity: Delhi Jal Board**

**Type of PSP:** DBO

**Features:** Subhash Projects And Marketing Limited (SPML) bagged the Rithala STP (Sewage Treatment Plant) project valued at ₹ 77 crore from Delhi Jal Board. The water generated through this project will be used in the power plant for generation of electricity for the Common Wealth Games.

The scope of work includes construction of 25 MGD (million gallons per day) Effluent Pumping Station (EPS) at Rithala STP, including twin transmission mains for carrying 33.34 MGD treated effluent from EPS at Rithala to PPCL (Pragati Power Corporation Limited) plant at Bawana, on Design, Build and Operate (DBO) basis with a completion timeline of 11 months. SPML will also undertake operation and maintenance for a period of 5 years post completion.

**References:**

- <http://spml.co.in/mediaroom/downloads/dtwm/SPML%20Water%20Capabilities%20Brochure.pdf>

**Project update:** No update

**Related Links:**



## **5. Name of Entity: Delhi Jal Board**

**Type of PSP:** DBO

**Features:** Subhash Projects And Marketing Limited (SPML) bagged the ₹127 crore contract of 53.5 (million gallons per day ) mgd sewage pumping station at Preet Vihar, New Delhi on Design, Build and Operate (DBO) basis for a period of 10 years.

**References:** • **Project Monitor, Mumbai, Nov 16-22, 2009, Page-11**

**Project update:** No update

**Related Links:** • <http://www.indiaprwire.com/pressrelease/construction-building/2009111037223.pdf>

## 6. Name of Entity: Delhi Jal Board

**Type of PSP:** DBO

**Features:** VA TECH WABAG Ltd, India has obtained a contract worth EUR 28.5 million for the planning, completion and operative management of the Keshopur wastewater plant. The customer is the Delhi Jal Board, which is the authority responsible for the water supply and wastewater treatment in the Delhi region.

The Keshopur Waste Water Treatment Plant (WWTP) is part of the Yamuna Action Plan initiated by the Indian Ministry of Environment and is to be financed by the JBIC (Japanese Bank for International Cooperation).

The order incorporates the installation of new wastewater treatment plant with a capacity of 54.6 mld (54,600 m<sup>3</sup>/d) and the refurbishing and modernisation of the existing carousel process treatment plant which has a capacity of 91.2 mld (91,200 m<sup>3</sup>/d) and another conventional activated sludge treatment plant with a capacity of 182.4 mld (182,400 m<sup>3</sup>/d). Following the start-up of the plant in the summer of 2010, WABAG will also assume responsibility for plant maintenance and operational management for a period of ten years.

**References:**

- [http://www.wabag.com/MainWabag/Wabag/English/news\\_details.asp](http://www.wabag.com/MainWabag/Wabag/English/news_details.asp)

**Project update:** No update

**Related Links:**

## 7. Name of Entity: Delhi Jal Board

**Type of PSP:** DBO

**Features:** The Delhi Jal Board has commissioned VA TECH WABAG India with the planning, building and operational management of the new large-scale Kondli wastewater treatment plant in Delhi, which has a contractual volume of EUR 29 million. The plant, which will have a capacity of 204.5 MLD (204,500 m<sup>3</sup>/d) will be based on the activated sludge process and includes resource-protective, anaerobic sludge treatment with bio-gas utilisation. The biogas derived from the sludge digestion process will flow into a 2MW combi-cycle power plant and will render the plant fully self-sufficient with regard to its energy supply.

This project was approved by the Indian government with the aim of enhancing the quality of life of the inhabitants of the Trans Yamuna region of Delhi. At the same time, it represents an infrastructure project aimed at improving the environmental situation as part of the preparations for the South Asian Games to be held in Delhi in 2010.

Work started on the project in June 2008 and after a realisation period of just two years, the plant will go online in the summer of 2010. WABAG will further be responsible for operating and maintaining the plant for a period of 11 years.

**References:**

- [http://www.wabag.com/MainWabag/Wabag/English/news\\_details.asp](http://www.wabag.com/MainWabag/Wabag/English/news_details.asp)

**Project update:** No update

**Related Links:**

**8. Name of Entity: National Building Construction Corporation Limited (NBCC) (Govt of India)**

**Type of PSP:** Operation and maintenance

**Features:** NBCC has invited sealed item rate tenders for annual operation and maintenance of sewage treatment plant at NBCC plaza, pushpa vihar sector-v, saket, New Delhi.

**References:**

- <http://tenders.gov.in/viewtenddoc.asp?tid=del346423&wno=1&td=TD>

**Project update:** No update

**Related Links:**

**9. Name of Entity: Delhi Jal Board (DJB)**

**Type of PSP:** DBOT

**Features:** Delhi Jal Board (DJB) has approved construction of a 9 MGD Sewage Treatment Plant, including regulator on Ghazipur drain at Chilla Regulator along with pumping station and other appurtenant works on a design, build and operate basis.

**References:**

- [http://www.waterworld.com/index/display/news\\_display/1428028974.html](http://www.waterworld.com/index/display/news_display/1428028974.html)

**Project update:** No update

**Related Links:**

**10. Name of Entity: Delhi Jal Board (DJB)**

**Type of PSP:** BOT

**Features:** Executive Engineer (RFC) of Delhi Jal Board, New Delhi, Delhi invites tenders notice for construction work of 15 MCD sewage treatment plant at Delhi gate, New Delhi (phase-II) and allied apartment works on design, build & operate basis.

**References:**

- <http://tenders.indiamart.com/details/873576216/>
- [http://2.imimg.com/data2/KT/FE/HTT-947/947\\_2011-07-04\\_1309756839.jpg](http://2.imimg.com/data2/KT/FE/HTT-947/947_2011-07-04_1309756839.jpg)

**Project update:** No update

**Related Links:**

**11. Name of Entity: Delhi Jal Board (DJB)**

**Type of PSP:** DBO

**Features:** WABAG India has been awarded EUR 37 million contract on DBO basis for Pappankalan wastewater treatment plant with a capacity of 91,000 m<sup>3</sup>/d. The order will be realised on a turnkey basis within a period of 24 months and include the civil works. After commissioning, which will take place at the beginning of 2014, WABAG will assume responsibility for the operation and maintenance of the plant for a period of ten years.

**References:**

- [http://www.wabag.com/MainWabag/Wabag/English/news\\_details.asp?doaction=news&pjt\\_details\\_id=114](http://www.wabag.com/MainWabag/Wabag/English/news_details.asp?doaction=news&pjt_details_id=114)

**Project update:** No update

**Related Links:**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	3
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	0
4.	<a href="#">Sewage Projects</a>	1
	<b>Total Projects</b>	<b>4</b>

# Water Supply Projects

## 1. Name of Entity: Public Works Department (PWD), Goa

**Type of PSP:** EOI for PSP (24x7 water supply)

**Features:** The PWD has prequalified five consulting firms for ₹ 1031 crore Japan International Co-operation Agency (JICA) project that involves the augmentation of the Selaulim water facility and sewerage projects in Margao, Mapusa and Calangute. JICA has already approved the “request for proposal” (RFP) that specifies the consultant’s scope of work, payment terms, time duration, etc. The actual work would begin by April 2009. Expressions of Interest (EOI) had been received from nine agencies in May 2008, from which the PWD has now pre-qualified five. The works include construction of reservoirs, replacement of faulty water meters with heavy duty water meters, installation of flow meters at strategic points, etc. Besides sewerage systems for Margao, Mapusa and Calangute-Baga, the project includes augmenting the 160 MLD (million litres per day) Selaulim water supply scheme by another 200 MLD in two phases. After the augmentation of Selaulim, there are plans to have 24x7 water supply for South Goa.

**References:**

- [http://blogs.siliconindia.com/Rohitdabrai/24\\_x\\_7\\_water\\_supply\\_to\\_South\\_Goa\\_in\\_the\\_pipeline-bid-I0rAec7U23317595.html](http://blogs.siliconindia.com/Rohitdabrai/24_x_7_water_supply_to_South_Goa_in_the_pipeline-bid-I0rAec7U23317595.html)

**Project update:** No update

**Related Links:**

## 2. Name of Entity: Public Works Department (PWD), Goa

**Type of PSP:** Operation and maintenance

**Features:** SPML India has secured an order worth Rupees 1.37 billion (about US \$ 30 million dollar) for building a water treatment plant. The order has been placed by the Goa Water Supply & Sewerage Board, under the aegis of Public Works Department, Govt of Goa. The board is receiving fund from the Japan International Cooperation Agency (JICA). The scope of work includes operation and maintenance for five years after commissioning of the capacity expansion project.

**References:**

- <http://www.spml.co.in/mediaroom/Process%20Worldwide.pdf>

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Public Works Department (PWD), Bardez, Goa**

**Type of PSP:** Operation and maintenance

**Features:** Executive Engineer of Public Works Department, Bardez, Goa invites tenders notice for provision of operation and maintenance of 15 MLD water treatment plant at Chandel.

**References:**

- <http://tenders.indiamart.com/details/753799247/>
- [http://2.imimg.com/data2/NO/HP/HTT-1043/1043\\_2011-08-09\\_1312870068.jpg](http://2.imimg.com/data2/NO/HP/HTT-1043/1043_2011-08-09_1312870068.jpg)

**Project update:** No update

**Related Links:**

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## **Sanitation Projects**

There are no projects in this section.

## **Solid Waste Management Projects**

There are no projects in this section.

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## Sewage Projects

**1. Name of Entity: Public Works Department (PWD), Panaji,Goa**

**Type of PSP:** Operation and maintenance

**Features:** Executive Engineer of Public Works Department, Panaji has invited tender notice for maintenance of sewage treatment plant at Tonca.

**References:** • <http://tenders.indiamart.com/details/433423336/>

**Project update:** No update

**Related Links:**

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**Gujarat**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	8
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	3
4.	<a href="#">Sewage Projects</a>	3
	<b>Total Projects</b>	<b>14</b>

# Water Supply Projects

## 1. Name of Entity: Ahmedabad Municipal Corporation (AMC)

**Type of PSP:** Operation and maintenance

**Features:** GIDB has completed the Phase-1 of feasibility study for privatising water supply distribution of West Ahmedabad and has put the proposal to AMC.

According to the news report, Ahmedabad Municipal Corporation (AMC) is now developing a comprehensive water supply system to provide round-the-clock water, 365 days a year to residents in Ahmedabad. The project will be implemented after results from the pilot project in Jodhpur ward of the city are obtained. AMC has invited expression of interest (EOI) from all parties who are interested in the pilot project that will be implemented in all residential complexes in Jodhpur ward of Ahmedabad. According to the news report the project will be completed before Sept2011. Apart from providing continuous water supply, the pilot project also includes installation of water meters in all households of Jodhpur. AMC's standing committee has already proposed ₹ 2 crore for pilot project and another ₹ 2 crore for water meter installations.

**References:**

- [http://www.gidb.org/water\\_shelfurban.htm](http://www.gidb.org/water_shelfurban.htm)
- [http://www.dnaindia.com/india/report\\_ahmedabad-dwellers-will-soon-enjoy-year-long-water-supply-24-7\\_1556322](http://www.dnaindia.com/india/report_ahmedabad-dwellers-will-soon-enjoy-year-long-water-supply-24-7_1556322)

**Project update:** No update

**Related Links:**

## 2. Name of Entity: Gujarat Urban Development Corporation (GUDC)

**Type of PSP:** PPP-BOOT (EOI Stage)

**Features:** GUDC is all set to kick-start a 24x7 supply programme in the town of Morbi, Rajkot district. For this, the state government has roped in Feedback Ventures, a infrastructure services company, to design a commercially viable continuous water supply system for Morbi, to be operated through a private sector partner.

The technical and feasibility studies for the project have been done and 10 companies have submitted expression of interest for the project. The request for proposal document is under approval. Feedback Ventures would also undertake technical assessment to determine infrastructure upgrades required for continuous water supply and demarcation of district metering areas and a survey to assess consumer perceptions on current levels of service delivery, performance of service provider, willingness to pay more for higher service levels and openness to alternate service provider. The company would also prepare a business model to establish the techno-economic feasibility of the project including tariff rationalisation as

reported in Financial Express of 14th April 2008.

**References:**

- The Financial Express, 14th April 2008
- [http://www.gidb.org/gidb/cms.aspx?content\\_id=207](http://www.gidb.org/gidb/cms.aspx?content_id=207)

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Gujarat Water Infrastructure Limited (GWIL) & Gujarat Water Supply & Sewerage Board (GWSSB)**

**Type of PSP:** Design, Build, Finance, Operate, Maintain and Transfer

**Features:** Gujarat Infrastructure Development Board (GIDB), on behalf of the proposed Kutch Industrial Water Distribution Company (KIWDC) invited proposals for pre-qualification from technically and financially competent individuals/firms/consortium to design, build, finance, operate, maintain and transfer a 150 MLD integrated sea water based desalination plant along with its captive power plant on DBFOT basis to cater to the water demand of the industries in Kutch/Anjar.

The water produced by the operator shall be purchased by the Kutch Water Distribution Company (KWDC) at the agreed rate. The RFP document for the project has already been circulated to the selected 11 pre-qualified bidders and the last date of receipt of bid is 6th March, 2009. The total investment in this project is ₹ 700 crore.

**References:**

- Economic Times, Dated - 14. 09. 2006
- [http://www.gidb.org/gidb/cms.aspx?content\\_id=207](http://www.gidb.org/gidb/cms.aspx?content_id=207)

**Project update:** No update

### **4. Name of Entity: Surat Municipal Corporation (SMC)**

**Type of PSP:** Operation and Maintenance and overall management

**Features:** SMC is taking steps to privatise the operation and maintenance (O&M) and management of existing water supply systems. This would include 1 treatment plant, 3 pumping stations of 70 mgd capacity and 1560 kms of distribution network. For privatisation GIDB has finalised the consultant for the study and has been forwarded for budget approval.

SMC has given annual contracts to private agencies for O&M of water treatment plants, valve operation and collection of water samples during the water supply period.

It is exploring more possibilities for private sector involvement in O&M contract for one water distribution station and intake well on experimental basis.

It is willing to start the process for getting ISO-9001-2000 certification for water supply.

**References:**

- [http://www.gidb.org/water\\_shelfurban.htm](http://www.gidb.org/water_shelfurban.htm)

**Project update:** No update

**5. Name of Entity: Gujarat Water Infrastructure Ltd. (GWIL) & Gujarat water Supply & Sewerage Board(GWSSB)**

**Type of PSP:** Design, Build, Finance, Operate, Maintain and Transfer-PPP

**Features:** Estimated cost of 150 MLD sea water based desalination plant for industrial water supply in Kutch/Anjar project is ₹ 700 crore. Project is in Bidding stage. RFP document has been circulated to 11 pre qualified bidders. Bid submission date was 7-4-09.

**References:**

- [http://www.gidb.org/cms.aspx?content\\_id=135](http://www.gidb.org/cms.aspx?content_id=135)

**Project update:** No update

**Related Links:**

**6. Name of Entity: Bharuch Municipality and Gujarat Urban Development Corporation (GUDC)**

**Type of PSP:** PPP

**Features:** Estimated cost of improvement of water supply and sewerage system of Bharuch project is ₹ 57 crore. Project is in pipeline stage. Feasibility study has been completed. Estimation of pricing and concession duration has been completed by M/s Feedback Venture Pvt. Ltd. Bid process management – draft RFQ, RFP and concession initiated by the consultant.

**References:**

- [http://www.gidb.org/gidb/cms.aspx?content\\_id=135](http://www.gidb.org/gidb/cms.aspx?content_id=135)

**Project update:** No update

**Related Links:**

## **7. Name of Entity: Amreli Municipality and Gujarat Urban Development Corporation (GUDC)**

**Type of PSP:** PPP

**Features:** Estimated cost of improvement of water supply and sewerage system of Amreli project is ₹ 30 crore. Project is in pipeline stage. Feasibility study has been completed. Estimation of pricing and concession duration has been completed by M/s Feedback Venture Pvt. Ltd. Bid process management - draft RFQ, RFP and concession initiated by consultant.

**References:**

- [http://www.gidb.org/gidb/cms.aspx?content\\_id=135](http://www.gidb.org/gidb/cms.aspx?content_id=135)

**Project update:** No update

**Related Links:**

## **8. Name of Entity: Anand and Mehasana Municipality and Gujarat Urban Development Corporation(GUDC)**

**Type of PSP:** PPP

**Features:** Estimated cost of improvement of water supply and sewerage system of Anand and Mehasana town project is ₹ 66 crore. Project is in pipeline stage. Feasibility study has been completed. Estimation of pricing and concession duration has been completed by M/s Price Waterhouse Coopers Pvt. Ltd. Bid process management - draft RFQ, RFP and concession initiated by consultant.

**References:**

- Economic Times, P-4, Dated-21June2009.

**Project update:** No update

**Related Links:**

- [http://www.gidb.org/ppp\\_database/water.html](http://www.gidb.org/ppp_database/water.html)

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## Sanitation Projects

There are no projects in this section.

### Solid Waste Management Projects

#### 1. Name of Entity: Surat Municipal Corporation (SMC)

**Type of PSP:** EOI - BOOT contract-PPP

**Features:** The scope of work includes construction of elevated transfer stations in Varachha and Katargam areas of land allocated by the corporation, and their operation on BOOT base for transportation of municipal solid waste of about 200 TPD (Tons per Day) from each transfer station.

SMC deployed private contractors for undertaking (a) garbage collection and its transportation to disposal sites; and (b) scrapping / cleaning of busy streets. SMC has engaged private sweepers to cover different inner areas of the town.

**References:**

- Project Monitor, October 1, 2007, Page 12.

**Project update:** No update

**Related Links:**

#### 2. Name of Entity: Gujarat Urban Development Corporation (GUDC)

**Type of PSP:** BOT-PPP [Himmat Nagar Municipal Solid Waste Management Project]

**Features:** The project has been dropped. Estimated cost of the project is ₹ 16. 64 crore. Project was in EOI stage. Reasons for dropping the project is not known.

**References:**

- [http://www.gidb.org/cms.aspx?content\\_id=135](http://www.gidb.org/cms.aspx?content_id=135)

**Project update:** No update

**Related Links:**

- [http://www.gidb.org/ppp\\_database/UD.html](http://www.gidb.org/ppp_database/UD.html)

### **3. Name of Entity: Surat Municipal Corporation**

**Type of PSP:** PPP (EOI)

**Features:** Surat Municipal Corporation has invited private sector participation for establishing MSW process plant with 600 TPD capacity. Private Agency will be allowed to carry out the MSW analysis at disposal site to reach at the proper technology selection. Processing plant/ treatment plant shall be established, operated and maintained by the agency by fulfilling all the statutory provisions and the cost of establishing, operating and maintaining this plant shall be borne by the Agency. DPR to be prepared by the Agency at its own cost.

**References:**

- Notice No. DC (H & H) /SWM/08/2008-09 issued by Deputy Commissioner (H & H) Surat Municipal Corporation.

**Project update:** No update

**Related Links:**

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## Sewage Projects

### 1. Name of Entity: Surat Municipal Corporation (SMC)

**Type of PSP:** Operation and maintenance and overall management

**Features:** SMC is also moving forward to privatise operation and maintenance and management of the existing sewerage network. The total capacity is 196.4 mld. GIDB has finalised the consultant for the study and has forwarded for budget approval. O&M of the treatment plant has already been privatised by SMC.

**References:**

- [http://www.gidb.org/water\\_shelfurban.htm](http://www.gidb.org/water_shelfurban.htm)

**Project update:** No update

**Related Links:**

### 2. Name of Entity: Bhavnagar Municipal Corporation (BMC)

**Type of PSP:** BOOT-PPP

**Features:** M/s Jindal Water Infrastructure Limited had won the contract of 45 mld sewage treatment plant from Bhavnagar Municipal Corporation on BOOT basis under PPP mode for the period of 30 years. Land for sewage treatment plant would be provided by BMC. M/s Jindal Water Infrastructure Limited would have exclusive right over the recycled treated sewage water for first 15 years, thereafter Bhavnagar Municipal Corporation will have share of 25% in profit.

**References:**

- [http://www.gidb.org/ppp\\_database/UD.html](http://www.gidb.org/ppp_database/UD.html)

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Rajkot Municipal Corporation (RMC)**

**Type of PSP:** BOOT-PPP

**Features:** M/s Jindal Water Infrastructure Limited had won the contract of wastewater recycle and supply to industry from Rajkot Municipal Corporation on BOOT basis under PPP mode for the period of 30 years.

**References:**

- <http://www.globalwaterintel.com/archive/12/4/general/jindal-takes-second-partner-expansion-plan.html>

**Project update:** No update

**Related Links:**

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**Haryana**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	1
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	1
4.	<a href="#">Sewage Projects</a>	0
	<b>Total Projects</b>	<b>2</b>

## Water Supply Projects

### 1. Name of Entity: Haryana Urban Development Authority

**Type of PSP:** DBOT

**Features:**

Pratibha Industries has bagged a contract worth ₹ 129.89 crore from Haryana Urban Development Authority for comprehensive water supply scheme at Chandu Budhera village located in Gurgaon district. The new project of the company is in joint venture with privately owned SMS Paryavaran. The contract, which is to be completed within 24 months time, has various components such as designing and construction of raw water collection system, 22 MGD capacity water treatment plant; clear water collection and transmission system which includes 13 km of 1000 mm dia transmission main and electrical and telemetry system. The company will also undertake operation and maintenance for 6 years.

**References:**

- [http://im.sify.com/sifycmsimg/dec2009/Finance/14924139\\_Pratibha\\_Industries\\_Sep09\\_Results.pdf](http://im.sify.com/sifycmsimg/dec2009/Finance/14924139_Pratibha_Industries_Sep09_Results.pdf)

**Project update:** No update

**Related Links:**

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## Sanitation Projects

There are no projects in this section.

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## Solid Waste Management Projects

### 1. Name of Entity: Haryana Urban Infrastructure Development Board(HUIDB), Chandigarh

**Type of PSP:** BOOT-RFP

**Features:** RFP has been invited from National/International, Private Investors / Developers / Operators / Companies / Institutions / Groups of Companies / Joint Ventures / Consortiums interested in setting up Municipal Solid Waste Management plants, with proven technology, in various Urban Local Bodies (ULBs) in the State of Haryana on BOOT/BOO basis.

The winning bidder shall undertake the entire work of municipal solid waste management, including door to door collection of waste, collection of sweepings from roads and parks, door to door collection of revenue for the same, primary segregation, primary and secondary transportation, secondary transportation and treatment of waste by way of bio-composting, Refuse Derived Fuel polarization, generation of energy from waste, development of sanitary land fill and maintenance of the entire facility for a period of 30 years with little or no cost to the ULB/ HUIDB.

**References:**

- <http://haryana.gov.in/RFP-urban.Pdf>

**Project update:** No update

**Related Links:**

## Sewage Projects

There are no projects in this section.

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**Himachal Pradesh**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	2
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	1
4.	<a href="#">Sewage Projects</a>	1
	<b>Total Projects</b>	<b>4</b>



## Water Supply Projects

### 1. Name of Entity: Shimla Municipal Corporation

**Type of PSP:** Build, refurbish, rehabilitate, operate and maintain the water supply and sewerage system of Shimla city.

**Features:** Commissioner of Shimla Municipal Corporation, Shimla, has invited Request for Qualification (RFQ) from private developers for build, refurbish, rehabilitate, operate and maintain the water supply and sewerage system of Shimla city for 20 years in project mode.

**References:**

- <http://tenders.indiamart.com/details/713442005/>
- [http://2.imimg.com/data2/ED/JA/HTT-247/247\\_2011-06-11\\_1307775149.jpg](http://2.imimg.com/data2/ED/JA/HTT-247/247_2011-06-11_1307775149.jpg)
- Times of India, Mumbai Edition, 10 June 2011

**Project update:** No update

**Related Links:**

### 2. Name of Entity: Himachal Pradesh Irrigation And Public Health Department

**Type of PSP:** Operation and maintenance

**Features:** Executive Engineer of Himachal Pradesh Irrigation And Public Health Department, Solan invites tenders notice for provision of operation and maintenance work of water treatment plant 14.72 MLD appurtenant works at Solan.

**References:**

- <http://tenders.indiamart.com/details/373827946/>
- [http://2.imimg.com/data2/CO/SS/HTT-881/881\\_2011-08-11\\_1313060495.gif](http://2.imimg.com/data2/CO/SS/HTT-881/881_2011-08-11_1313060495.gif)

**Project update:** No update

**Related Links:**

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## Sanitation Projects

There are no projects in this section.

## Solid Waste Management Projects

### 1. Name of Entity: Shimla Municipal Corporation

**Type of PSP:** DBOOT-PPP

**Features:** Municipal Corporation Shimla under the JNNURM initiative of GoI Invites Expression of Interest (EOI) on Public Private Partnership (PPP)/DBOOT mode for construction, operations and maintenance of 100 T/day capacity invessel bio-composting plant at Darni-Ka-Bagicha, Lalpani, Shimla. The period of operation and maintenance of plant will be from May 1, 2010 to October 30, 2010 which may be extended further till the plant is shifted to the new site at (Badheri) Bharial.

**References:**

- [http://shimlamc.gov.in/file.axd?file=2010%2F2%2FEOI\\_TOR\\_BHARIAL\\_040210+SHIMLA.pdf](http://shimlamc.gov.in/file.axd?file=2010%2F2%2FEOI_TOR_BHARIAL_040210+SHIMLA.pdf)
- Projectmonitor, Mumbai, April 5-11, 2010, page-3

**Project update:** No update

**Related Links:**

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## Sewage Projects

### 1. Name of Entity: Government of Himachal Pradesh

**Type of PSP:** [Not known]

**Features:** The HP government and Doon Infrastructure Ltd. have signed an MoU for setting up a Common Effluent Treatment Plant (CETP) at Baddi. The state government will lease out land for this purpose. Reports state that the work has already commenced on the project. The estimated cost of the plant was ₹ 35 crore with a capacity to treat 5.5 MLD (5500 cu.m) waste every day. The government was committed to ensuring that industrialisation did not affect environment. It had already provided land to M/s Shivalik Solid Waste Management for setting up a facility for hazardous waste management.

**References:**

- Project Monitor, July 30, 2007

**Project update:** No update

**Related Links:**

- <http://www.tribuneindia.com/2007/20070721/himachal.htm#9>

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**Jharkhand**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	1
2.	<a href="#">Sanitation Projects</a>	2
3.	<a href="#">Solid Waste Management Projects</a>	1
4.	<a href="#">Sewage Projects</a>	0
	<b>Total Projects</b>	<b>4</b>

# Water Supply Projects

## 1. **Name of Entity: Drinking Water and Sanitation Department, Ranchi, Govt. of Jharkhand (GoJ)**

**Type of PSP:** Operation and maintenance of Urban Water Supply on PPP basis(RFQ)

**Features:** Drinking Water and Sanitation Department (DWSD), GoJ proposes to undertake operation and maintenance of existing water supply system; WTP and other assets on Public-Private Participation basis; providing house-to-house connections and installation of individual meters; billing and collection of revenue on behalf of Ranchi Municipal Corporation (RMC) and addressing customer complaints. It is envisaged that the appointed contractor (AC) would also take over the operation and maintenance of new WTP, transmission infrastructure, ESR,GSR, Distribution System and others to be constructed under the Ranchi Water Supply Project (funded through JNNURM), after the defect liability period on the same is completed.

**DWSD seeks the services of a Water Supply Technical Consultant (TC), to assist in procurement of suitable private contractor for the above mentioned project.**

The Detailed Project Report for the project has already been prepared and approved from Government of India under the JNNURM. DWSD is already being assisted by financial and PPP experts from the Mission Directorate at JNNURM. The role of the Water Supply Technical Consultant (TC) would be to work closely with these experts in preparing the RFQ, RFP, concession documents and its annexures by contributing the technical content of these documents.

**References:**

- [http://imgghost1.indiamart.com/tenders/images/2009-09-10/114\\_2009-09-10\\_3.jpg](http://imgghost1.indiamart.com/tenders/images/2009-09-10/114_2009-09-10_3.jpg)

**Project update:** No update

**Related Links:**

- [http://www.google.com/url?sa=X&q=http://210.212.20.88/ad\\_files/AD\\_ID-31972-BOQ.doc&ct=ga&cd=EDj8Twodk50&usg=AFQjCNHKESXW2FWxbMNY](http://www.google.com/url?sa=X&q=http://210.212.20.88/ad_files/AD_ID-31972-BOQ.doc&ct=ga&cd=EDj8Twodk50&usg=AFQjCNHKESXW2FWxbMNY)

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## Sanitation Projects

### 1. Name of Entity: Department of Industries, Government of Jharkhand (GoJ)

**Type of PSP:** BOOT-PPP

**Features:** Department of Industries, GoJ has mandated IL&FS as project development consultant for managing the process of augmentation, rehabilitation of water supply and operation and maintenance of water supply and sanitation system at Adityapur in PPP format.

Role of the operator will be to operate, implement operational improvements and rehabilitate the existing WSS systems that will reduce water losses, improve metering, billing and collections and improve consumer relations. Operator will also have to assist in implementing a major capital investment program to augment the system and may also have to invest.

Span Consultants is undertaking the system status study for Adityapur Water Supply. According to the plans, a private party will operate the proposed system on the Build-Operate-Transfer system. Adityapur Water Supply Phase I is in EoI Stage according to website [www.pppindiadatabase.com](http://www.pppindiadatabase.com). Other details are not available.

**References:**

- The Hindu, Delhi Edition, dated - 15. 07. 2006
- <http://www.pppindiadatabase.com/Screens/frmView.aspx?PROJECTID=vkTjBv@@121964=&AUTHORISEDUSER=N>

**Project update:** No update

**Related Links:**

## **2. Name of Entity: Jamshedpur Utilities & Services Company Ltd. (JUSCO), Jamshedpur**

**Type of PSP:** Management and Technical Consultancy

**Features:** JUSCO a wholly owned subsidiary of Tata Steel Company signed a two-year technical partnership with Veolia Water. The tie up sought to provide management and technical consultancy to Tata Steel. JUSCO established in 2003. Under its agreement, Veolia Water continued to support JUSCO through 2005. In the only District Metering Area (DMA) created by the company, it provides continuous water supply to 350 households who pay ₹ 1000 - 1200 per month in Tatanagar.

**References:**

- Water and Sanitation Program Field Note - June 2006

**Project update:** No update

**Related Links:**

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## Solid Waste Management Projects

### 1. Name of Entity: Dhanbad Municipal Corporation

**Type of PSP:** DBOT-PPP (JNNURM)

**Features:** Dhanbad Municipal Corporation has invited request for qualification for the implementation of integrated solid waste management system on BOT basis under Public Private Partnership (PPP).

The scope of work includes enabling collection, transportation, scientific processing and disposal of solid waste. The specified work will undertake under JNNURM scheme.

**References:**

- Times of India, Mumbai, 05 September 2010, Page-18

**Project update:** No update

**Related Links:**

[Back](#)

## Sewage Projects

There are no projects in this section.

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	12
2.	<a href="#">Sanitation Projects</a>	1
3.	<a href="#">Solid Waste Management Projects</a>	8
4.	<a href="#">Sewage Projects</a>	5
	<b>Total Projects</b>	<b>26</b>

# Water Supply Projects

## 1. Name of Entity: Bangalore Water Supply & Sewerage Board

**Type of PSP:** Service Contract (Systemic leakage reduction )

**Features:** A pilot project area comprising 40, 000 connections in Bangalore city covering service station of Clive Line Reservoir, Johnson Market, Ulsoor, high grounds and coles mark had been launched on 05.06.2003.

Japan Bank for International Co-operation (JBIC) had communicated its approval to fund the pilot project at a cost of ₹ 48.00 crore from BWSSB savings available under Cauvery Water Supply Scheme Stage IV Phase I.

M/s Thames Water Asia Pvt Ltd. and M/s Larsen & Toubro India had been executing the project in the pilot area in 18 months period and they will further maintain it for another 18 months on the basis of experienced gained. The Board will appraise Japan Bank for International Co-Operation (JBIC) to fund the project for remaining parts of the city.

**References:**

- [http://www.bwssb.org/new\\_project.html](http://www.bwssb.org/new_project.html)

**Project update:** No update

**Related Links:**

- <http://www.bwssb.org/news.html>

## **2. Name of Entity: Bangalore Water Supply & Sewerage Board (BWSSB)**

**Type of PSP:** EOI for PPP(JNNURM)

**Features:** BWSSB Integrated Water Resources Management (IWRM) Project in Vrishabhavathi Valley under JNNURM, Government of India funding has been approved. Under this scheme, treated tertiary treated effluent will undergo advanced treatment to augment the present raw water supply. This will augment the present water supply of 840 million litres per day (MLD) to Bangalore city by an additional 135 MLD. The project would be implemented under a public private partnership model through special purpose vehicle. The selected individual firm or joint venture will implement the project from design stage to commissioning and operation and management. Under this project Construction of a 147 MLD (147, 000 Cu. m/d) WWTP would be done. Seven parties have prequalified for the project.

According to Comprehensive Mission document, Vol II, Dec 2008, Ministry of Water Resources, "the estimated project cost is ₹ 471.33 crores. The cost of the treated water will depend upon the degree of wastewater treatment. For treatment up to secondary level, the cost is about ₹ 5-7 / KL of raw sewage (to treat for BOD standards alone). This will increase to ₹ 10 / KL (if N and P are to be removed) and ₹ 15 / KL (if TDS is removed by lime soda process)."

- References:**
- Times of India, June 18th 2008
  - Global Water Intelligence vol10/issue5/May 2009, p. 55

**Project update:** No update

- Related Links:**
- [http://wrmin.nic.in/writereaddata/linkimages/Mission\\_Doc\\_Vol22880755143.pdf](http://wrmin.nic.in/writereaddata/linkimages/Mission_Doc_Vol22880755143.pdf)

### **3. Name of Entity: Greater Bangalore Water Supply and Sanitation Project (GBWASP)**

**Type of PSP:** Proposed Management contracts for Urban Water Supply and Sanitation

**Features:** Project would cover seven City Municipal Councils (CMCs) and one Town Municipal Council (TMCs) around Bangalore. BWSSB will implement the project on behalf of the urban local bodies. The infrastructure built under this water supply project was proposed to be operated and maintained including revenue realisation through delegated management contract mechanism over a period of five years after completion of the project. The water supply component of ₹450 crore will be financed by a combination of grants (₹ 74.8 crore), loans of ₹ 46.8 crore, municipal bonds of ₹100 crore, and beneficiary citizen contribution (BCC) of ₹119.44 crore, based on 50 per cent of citizens signing up.

The tender notification inviting expression of interest for the project management consultancy had already been published nationally as well as globally. Overall project management during execution including supervising, monitoring, advising, assuring quality, ensuring the progress of the project, preparing documents for delegated management contract mechanism including advisory services to BWSSB to enable effective and efficient delegated management would be provided by project Management Consultants.

The project structure is -

**Project KUIDFC:** Project development & financial structuring

**BWSSB:** Project implementation

**DMA :** Municipal reforms

**JANAAGRAHA :** Structured citizen participation

**USAID :** Credit enhancement

**WSP :** Demand assessment

**IFC :** O&M advisory

**STRATEGIC :** Bond issue

According to news reports the project was developed with little public consultation or disclosure of information, GBWASP appointed citizens' representative Janaagraha, walked out of the project in February 2006. Now both Bangalore Water Supply and Sewerage Board and Karnataka Urban Infrastructure Development Finance Corporation control the project design and operation. Elected members of the CMCs have had no part and their role has been left unclear.

Privatisation was mandated with the World Bank involved through IFC. USAID was also involved. However, strong public protests by the Campaign Against Water Privatisation, a forum of many organisations in the city has put the BWSSB on the defensive and has stalled the process.

**References:**

- National Institute of Urban Affairs, Newsletter Vol. 8 No. 2, April-June 2005.

- <http://www.bwssb.org/news.html>
- <http://www.hinduonnet.com/2006/10/10/stories/2006101018090300.htm>

**Project update:** No update

**Related Links:**

#### **4. Name of Entity: Hubli-Dharwad 24x7 Domestic Water Supply Pilot Project - Karnataka Urban Water Sector Improvement Project (KUWASIP)**

**Type of PSP:** Management contract for operation and management of urban water supply

**Features:** The Govt. of India has received a loan of US \$ 39.5 million from the World Bank to finance KUWASIP. The towns of Belgaum, Gulbarga and Hubli-Dharwad have been initially selected. In these three cities, 27 wards had been selected for the implementation of the project in pilot phase. The total project cost is about ₹ 235.10 crore, of which the World Bank contribution is ₹ 181.70 crore and of the Government of Karnataka is ₹ 53.40 crore.

Compagnie Generale des Eaux, Paris (Veolia Water), France, has been chosen as the operator and will have the responsibility of O&M of the selected demonstration zones in the above cities for 2 years following a 1 year of distribution network rehabilitation.

A portion of the loan proceeds is intended to finance the services of a consultant for citywide water services planning, engineering and feasibility studies so that the pilot project can be extended to the whole municipal corporation.

The unmetered connection rates have been raised to ₹ 90 with retrospective effect from April 2006. For metered connections the rates have been fixed as ₹6 for 0-8 KL, ₹10 for 8-15 KL, ₹ 15 for 15-25 KL and ₹ 20 for above 25 KL.

Studies have pointed out to various concerns that have not been addressed by this 24x7 project, including equity and access of supply to the poor, resource management, institutional co-ordination and cost implications of 24x7 supply among others.

As per online edition of Hindu, "The Karnataka Urban Infrastructure Development and Finance Corporation (KUIDFC) have prepared a proposal for up-scaling the project to all wards of three civic bodies at an estimated cost of ₹ 735 crore. The State Government had approved the project, which would be implemented on a PPP model."

The above report also added that the investment by a private operator in the project would be 50 per cent (₹ 367 crore), Union Government funds under the Viability Gap Funding will be 20 per cent (₹ 147 crore), State Government's contribution 20 per cent (₹ 147 crore), and urban local body's contribution 10 per cent (₹ 73 crore). The consultant would suggest names of private operators for investment in the project.

#### **References:**

- [http://www.kuidfc.com/WEBSITE/WebPage.nsf/6dfb1eea694920ff65256e2c00360da2/2c9c4ad2097ff0676525758500300fff/\\$FILE/KUWASIP%20-%20Invitation%20for%20EOI.Pdf](http://www.kuidfc.com/WEBSITE/WebPage.nsf/6dfb1eea694920ff65256e2c00360da2/2c9c4ad2097ff0676525758500300fff/$FILE/KUWASIP%20-%20Invitation%20for%20EOI.Pdf)
- <http://www.hindu.com/2010/03/27/stories/2010032753620300.htm>

**Project  
update:**

No update

**Related Links:**

## **5. Name of Entity: Mysore City Corporation (MCC)**

**Type of PSP:** O&M of Water Distribution System – PPP

**Features:** JUSCO has been awarded a PPP contract for 24x7 Water Supply in Mysore city. The ₹ 194 crore project is financed through JNNURM. Karnataka Urban Water Supply and Drainage Board (KUWSDB) and Mysore Municipal Council each will contribute 10% of capital cost. According to the reports, the contract with JUSCO is to operate the water distribution system for 6 years and bring about improvements in the current water supply scheme. City (Population around 1 million) has system to supply 220 MLD but handling 180 MLD water at present.

JUSCO will cut transmission losses from 40-45% to technically zero over the period of 4 years will make available round the clock water supply. Estimated water demand of city is 35.25 MGD (160. 24 MLD).

Currently there are a lot of protests and campaigns against the project in Mysore. The Mysore City Corporation, the nodal agency, had been facing opposition from corporators. This comes after protests at the MCC, when prominent citizens voiced their opposition to the deal according to which JUSCO will take over the management and handle it for six years.

According to news reports, work on providing 24x7 drinking water to JP Nagar in city under JNNURM has begun and is likely to be executed in six months. JUSCO is far behind its stipulated target of commissioning 10,000 connections by September 2010; it claims to have commissioned 6,600 connections as on Oct. 22, 2010 and is crawling towards attaining the target of 30,000 by Jan. 2012.

According to Times of India, JUSCO who have taken up the project is taking time because Jusco don't have much data about the existing water pipelines as they were laid during the regime of Maharaja of Mysore. In three years, the project will be completed and people in Mysore will be getting 24 hour water.

According to local reports, over 200 residents of Rajivnagar mobbed the local office of Vani Vilas Water Works (VVWW), venting their ire over irregular or no water supply in the extension ever since JUSCO laid new pipelines. The protestors complained that after the new pipelines were laid by JUSCO about six months ago, the water only trickles for an hour or so in the morning through an overhead tank. JUSCO has not executed the project properly and has asked corporators in other areas not to allow it to take up projects to lay water pipes and provide water connections.

JUSCO is executing the project in some 20 wards and is done with 15 wards in the Mysore city. As per the news report, the Mysore water supply system by Jusco continues in run in troubled waters. The project would be remodeled. The Mysore City Corporation officials blamed Jusco for its failure to meet the target. JUSCO has to provide drinking



water to 1.75 lakh houses by December 2012 as per the contract. But only 50,000 houses are provided with water supply so far against the target of 70,000 connections till now.

The Corporators of the MCC are demanding termination of the contract. The Commissioner however turned down the demand saying ending the contract midway would throw up many problems and had written to the State Government appraising the situation and to take a decision. JUSCO had been imposed penalty of ₹ 2.5 crore. The Mysore City Corporation (MCC) has constituted a committee comprising councilors and officials to resolve the drinking water supply problem in the city. The committee will have the mandate to take up the issue with Jamshedpur Utilities and Services Company Ltd., (JUSCO) which is implementing the 24x7 drinking water project in Mysore and is responsible for water supply. The committee has been directed to ensure a solution to tide over the distribution problem within a month.

The MCC has imposed a penalty of Rs.7 crore on JUSCO for the various lapses in the project. The entire project is worth Rs. 194 crore, of which JUSCO will be paid Rs. 131 crore and the rest will be paid to Nagarjuna Constructions Ltd. which constructed overhead water tanks and related works. Out of the Rs. 61 crore paid to JUSCO so far, Rs. 2 crore has been withheld as penalty while the remaining Rs. 5 crore will be recovered subsequently.

**References:**

- 1. PM Dec 15-21 2008, P-19
- 2. <http://timesofindia.indiatimes.com/articleshow/msid-4156515,prtpage-1.cms>

**Project update:** Features updated

**Related Links:**

- <http://www.starofmysore.com/main.asp?type=news&item=26273>
- <http://www.starofmysore.com/main.asp?type=news&item=26597>
- [http://articles.timesofindia.indiatimes.com/2011-09-14/mysore/30153943\\_1\\_water-supply-hour-water-harvesting](http://articles.timesofindia.indiatimes.com/2011-09-14/mysore/30153943_1_water-supply-hour-water-harvesting)
- <http://starofmysore.com/main.asp?type=news&item=30316>
- [http://articles.timesofindia.indiatimes.com/2011-11-16/mysore/30405080\\_1\\_jamshedpur-utilities-water-project-jusco](http://articles.timesofindia.indiatimes.com/2011-11-16/mysore/30405080_1_jamshedpur-utilities-water-project-jusco)
- <http://www.business-standard.com/india/news/jusco-mysore-project-continues-to-draw-flak/465335/>
- <http://www.hindu.com/2010/07/22/stories/2010072255030300.htm>
- <http://starofmysore.com/main.asp?type=news&item=35253>

## **6. Name of Entity: City Municipal Council, Hassan**

**Type of PSP:** Design, construction, testing, commissioning, trial run for 3 months and maintenance for 12 months

**Features:** City Municipal Council of Hassan under Karnataka municipal reforms project has invited bids for design, construction, testing, commissioning, trial run for 3 months and maintenance for 12 months (Defect Liability period) with performance guarantee of 5. 50 MLD capacity (20 hours working) water treatment plant, clear water reservoir, including all civil works supplying and erection of all electrical and mechanical equipment at Haluvagilu, Hassan (on turnkey basis).

**References:**

- The Economic Times, Mumbai, 31-Oct-2009, page-12

**Project update:** No update

**Related Links:**

## **7. Name of Entity: Karnataka Water Supply and Drainage Board**

**Type of PSP:** Design, construction, supply, installation, testing, commissioning, trial run and maintenance

**Features:** Subhash Projects And Marketing Ltd (SPML) bagged the ₹ 69.37 crore order from the Karnataka Urban Water Supply and Drainage Board, Karnataka for bulk water supply improvements for Hubli Dharwad City from Malaprabha Reservoir.

The scope of work includes design, construction, supply, installation, testing, commissioning, trial run and maintenance of 68 MLD capacity water treatment plant for a period of 12 months (includes all civil, mechanical, electrical and allied works at Amminabhavi).

**References:**

- <http://www.spml.co.in/mediaroom/pressreleases/SPML%20wins%20consolidated%20order%20worth%20Rs.69.37%20crore%20from%20the%20Karnataka%20Urban%20Water%20Supply%20and%20Drainage%20Board.doc>

**Project update:** No update

**Related Links:**

## 8. Name of Entity: Mangalore City Corporation

**Type of PSP:** PPP-24x7 water supply scheme

**Features:** According to the website [www.manglorian.com](http://www.manglorian.com), the council of the Mangalore City Corporation have given its consent to the proposal for a round-the-clock drinking water supply scheme under public-private participation (PPP) model. It approved a proposal to ask the Karnataka Urban Infrastructure Development and Finance Corporation (KUIDFC) to prepare a detailed project report and tender documents to this effect. The agenda placed before the council to this effect said that the 24x7 water supply scheme would have to be implemented without any additional financial burden on the civic body. The council agreed that the city corporation could take into possession some infrastructure projects developed by the KUIDFC for the civic body under Karnataka Urban Development and Coastal Environment Management Project (KUDCEMP).

The council approved to take into possession eight overhead tanks of 10-lakh-litre capacity each built at Padavainangady, Panambur, near NITK-Surathkal, Katipalla, near Govindadasa College in Surathkal, Kadri Circuit House, near Neerumarga Road at Kudupu and near Mangala Jyothi school at Thiruvail.

Three more overhead tanks of 15-lakh-litre capacity constructed at Chilimbi, Bala and near Mangala stadium, and two overhead tanks of five-lakh-litre capacity at Sisters Colony and Padupadavu would also be taken over. The city corporation will take over the 14-km-long and 1,100-mm-diameter main water supply pipeline laid from Ramalkatte to Padil on NH 48. In addition, 80 MLD capacity water treatment plant at Ramalkatte and 23.5 MLD capacity water filtration plant at Panambur would also be taken over. The master plan have been prepared by Mangalore Urban Development Authority.

According to the news report, the Crisil Infrastructure Advisory Ltd presented report on the preliminary study on the implementation of 24X7 water supply in MCC. As per the report, the 24X7 water supply project may cost ₹137.42 crore. To implement 24X7 water supply, the operator will have to provide new connection in the new area, replace the existing meters, create assets for 24x7 water supply, create a geo technical data based of the city and regularise the illegal water connections in the city limits. The Crisil Infrastructure Advisory Ltd prepared the study from India Infrastructure Project Development Fund under Karnataka Urban Infrastructure Development and Finance Corporation (KUIDFC). According to an estimate of the report, the domestic tariff for the urban BPL families who consume 0-8 kilo litre water will be only ₹ 48 per month as against the present tariff of ₹ 64.5. The tariff for those who consume 8 kl to 25 kl will be ₹ 116 per month whereas at present the tariff is ₹ 64.5. The persons who utilise more than 40 kl, will have to shell out ₹ 806. To implement 24X7 water supply, the MCC should have metering policy, public stand post policy, the report said.

According to another news report, a cross section of the people of Mangalore are opposing the project. The reason for their opposition is

backed by the 24X7 water supply myth and privatisation of water services.

**References:**

- <http://mangalorean.com/news.php?newstype=broadcast&broadcastid=158052>

**Project update:**

No update

**Related Links:**

- [http://www.daijiworld.com/news/news\\_disp.asp?n\\_id=102499](http://www.daijiworld.com/news/news_disp.asp?n_id=102499)
- <http://mangalorean.com/news.php?newstype=broadcast&broadcastid=247246>

## **9. Name of Entity: Bangalore Water Supply and Sewerage Board (BWSSB)**

**Type of PSP:** Operation and maintenance

**Features:** Subhash Projects And Marketing Ltd (SPML) and Kirloskar Brothers Limited have won the contract worth ₹ 440 crore from Bangalore Water Supply and Sewerage Board. A joint venture between SPML and Kirloskar Brothers Limited will execute the Bangalore Water Supply project. SPML's share in the project is ₹ 224.18 crore. The project from BWSSB involves civil and electromechanical works for pumping stations and reservoirs at T K Halli, Harohalli and Tataguni and operation and maintenance of the facilities for the period of 7 years.

**References:**

- <http://www.business-standard.com/india/news/spml-wins-rs-476-cr-orders-for-water-supply-projects/388884/>

**Project update:** No update

**Related Links:**

## **10. Name of Entity: Chitradurga City Municipal Council**

**Type of PSP:** Supply, installation, operation and maintenance

**Features:** Chitradurga city municipal council has invited sealed bids from private bidders for supply and installation of customer water meters (15 mm-10798 numbers) including providing maintenance/ replacement services to installed meters for a period of 60 months (five years). This project is supported by World Bank loan towards the cost of Karnataka Municipal Reforms Project.

**References:**

- Economic Times, Mumbai, 29 October 2010, Page-24

**Project update:** No update

**Related Links:**

**11. Name of Entity: Karnataka Rural Water Supply and Sanitation Agency (KRWSSA)**

**Type of PSP:** Design, build, operation and maintenance

**Features:** Under the World Bank project, Second Karnataka Rural Water Supply and Sanitation Project viz, “ Jal Nirmal” project (Additional financing), the Director, KRWSSA, Bangalore has invited bids for design and build head works, raw water pumping main, water treatment plant and electrical and allied works in Kushtagi and Yalburga taluks of Koppal district for the period of 12 months. After the completion of construction work the above facilities created, operation and maintenance work will be handed over to the private developer for the period of 5 years. The approximate cost of the work is ₹ 33.08 crores.

**References:** • Times of India, Mumbai Edition, 26 March 2011, Page-16

**Project update:** No update

**Related Links:**

**12. Name of Entity: Karnataka Rural Water Supply and Sanitation Agency (KRWSSA)**

**Type of PSP:** Design, build, operation and maintenance

**Features:** Under the World Bank project, Second Karnataka Rural Water Supply and Sanitation Project viz, “ Jal Nirmal” project (Additional financing), the Director, KRWSSA, Bangalore has invited bids for design and build pure water sump to mother tank and distribution network to villages of Kushtagi Taluka under multi village potable drinking water supply system for Koppal district for the period of 12 months. After the completion of the above facilities created, operation and maintenance work will be handed over to the private developer for the period of 5 years. The approximate cost of the work is ₹ 36.15 crores.

**References:** • Times of India, Mumbai Edition, 22 April 2011, Page-14

**Project update:** No update

**Related Links:**

[Back](#)

## Sanitation Projects

**1. Name of Entity: Karnataka Urban Infrastructure Development and Finance Corporation (KUIDFC) / Directorate of Municipal Administration (DMA) / Bijapur City Municipal Council (CMC)**

**Type of PSP:** PPP proposed

**Features:** Development of water supply and sanitation facilities in Bijapur with an estimated project development expense of ₹ 33 Lakh and support sought under IIPDF would be ₹ 24. 75 lakh. The proposal was deferred by the empowered institution on 29. 09. 08 as the project was based on performance based deferred payment structure. Government of Karnataka has agreed to restructure the project.

**References:** • [http://www.pppinindia.com/iipdf\\_projects.asp](http://www.pppinindia.com/iipdf_projects.asp)

**Project update:** No update

**Related Links:**

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## Solid Waste Management Projects

### 1. Name of Entity: Bruhat Bangalore Mahanagar Palike (BBMP)

**Type of PSP:** BOT contract

**Features:** BBMP has planned to set up an integrated MSW treatment plant in the city with a capacity to process 1, 000 tonnes of waste per day, the plant will be located on a 25 acre plot in Doddabidrakallu. The plant would be developed on BOT basis. The municipal corporation will assist in land procurement. A decision had been taken by the State Cabinet to set up a power-generating unit using solid waste.

The unit, which can generate 7. 59 MW of power would be set up at Mandoor village in Bidaralli hobli by the M/s Organic Waste India Limited. The Cabinet gave its nod for allotting 25 acres of land to the company on lease. The company, which would use 1000 tonnes of solid waste per day, would be paying the Bruhat Bangalore Mahanagar Palike (BBMP) ₹ 98.5 lakh per annum for using the waste. The unit would start generating power within a 16 to 18 month period.

**References:**

- Project Monitor, 9-15 June, 2008
- <http://www.expressbuzz.com/edition/story.aspx?Title=Power+project+using+BBMP+waste+cleared&artid=paFv04vfO6I=&SectionID=Qz/kHVp9tEs=&MainSectionID=wIcBMLGbUJI=&SectionName=UOaHCPTTmuP3XGzZRCAUTO==&SEO=>

**Project update:** No update

**Related Links:**

## **2. Name of Entity: Mysore city corporation**

**Type of PSP:** Management contract-PPP

**Features:** Development of integrated MSW plan for city of Mysore. The estimated cost of project is ₹ 37.5 crore. The project is under approval (Detailed DPR of technical study has been submitted to MCC). The approval of funding under JNNURM is awaited from GOI.

**References:**

- [http://www.nriforumkarnataka.org/lop/lop\\_7.htm](http://www.nriforumkarnataka.org/lop/lop_7.htm)

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Bangalore Mahanagara Palike**

**Type of PSP:** BOOT-PPP(Mavalipura)

**Features:** M/s. Ramky Infrastructure Limited won the contract for integrated municipal solid waste treatment Mavalipura for the contract period of 35 years on PPP basis. The estimated project cost is ₹ 40 crore. Environment Support Group (ESG) in its press release reported that “the Ramky run facility violated environmental standards and regulatory requirements and even added that the failure is not just on the part of Ramky as facility manager, but it also lies as well on Bruhat Bengaluru Mahanagara Palike (BBMP – Greater Bangalore Municipal Corporation) and Karnataka State Pollution Control Board (KSPCB).” In another press release of ESG, the ESG claimed that landfill in Mavalipura operated by Ramky is illegal and there is no record to prove that Ramky received waste from early 2007 with the consent of KSPCB as required per the Water (Prevention and Control of Pollution) Act or the Municipal Solid Waste Management Rules.

ESG undertook comprehensive water analysis of multiple water sources in and around the landfills, first in 2006 and then again in 2009. The results reveal that toxic leachates from the landfills have severely contaminated local water sources, especially drinking water sources of Mavallipura. Yet people continue to consume this water without any alternative.

Mr. A. S. Sadashivaiah, IFS (Retd.), Chairman, Karnataka State Pollution Control Board, has directed the Commissioner of the Bruhat Bengaluru Mahanagara Palike (BBMP, Bangalore's city corporation) and the private operator of the city's major landfill, Ramky Infrastructure Pvt. Ltd., to immediately stop receiving waste into the facility at Mavallipura.

In a one more momentous decision the Hon'ble Mayor of Bangalore Shri. Venkatesh Murthy accepted the demand of communities impacted by the municipal solid waste management land fill operated by M/s Ramky at Mavallipura, that the landfill closure order issued by the Karnataka State Pollution Control Board (KSPCB) would be respected.

It is being reported that the Karnataka Pollution State Control Board (KSPCB, autonomous environmental regulator) has yielded to pressure from the Karnataka Government and Bruhat Bengaluru Mahanagara Palike (BBMP, Bangalore's civic agency) and has revoked its ban on dumping of Bangalore's solid waste at Mavallipura, a village north of Bangalore. It may be recalled that on 11 July 2012 the Board had taken a decision to shut down the massive landfill at this village citing 29 different documents that demonstrated “various non-compliances” by M/s Ramky, the landfill operator, which had caused serious environmental and health hazards.

**References:**

- [http://www.pppinindia.com/iipdf\\_projects.asp](http://www.pppinindia.com/iipdf_projects.asp)
- <http://www.pppindiadatabase.com/Screens/firmView.aspx?PROJECTID=Srf6L9qAkRo=&AUTHORISEDUSER=N>
- [http://www.esgindia.org/campaigns/Mavallipura/reports/ESG\\_Press\\_Release\\_040810.html](http://www.esgindia.org/campaigns/Mavallipura/reports/ESG_Press_Release_040810.html)
- ESG Press Release, Bangalore, 25 October 2012

**Project update:**

Features updated

**Related Links:**

- [http://www.esgindia.org/campaigns/Mavallipura/reports/WhyPhaseOut\\_MavallipuraReport\\_14102009.doc](http://www.esgindia.org/campaigns/Mavallipura/reports/WhyPhaseOut_MavallipuraReport_14102009.doc)
- <http://esgindia.org/campaigns/press/kspcb-shuts-down-ramkys-swm-landfill-mav.html>
- <http://esgindia.org/campaigns/press/mayor-bangalore-dumps-mavallipura-landfi.html>

#### **4. Name of Entity: Bangalore Mahanagara Palike**

**Type of PSP:** BOOT-PPP (Kannahalli)

**Features:** M/s. Ramky Infrastructure Limited won the contract for integrated municipal solid waste treatment Kannahalli for the contract period of 35 years on PPP basis. The estimated project cost is ₹ 25 Crore. Construction work is over.

**References :**

- [http://www.pppinindia.com/iipdf\\_projects.asp](http://www.pppinindia.com/iipdf_projects.asp)
- <http://www.pppindiadatabase.com/Screens/fmView.aspx?PROJECTID=TRFgqt5cbdg=&AUTHORISEDUSER=N>

**Project update:** No update

**Related Links:**

#### **5. Name of Entity: Bellary City Corporation (BCC)**

**Type of PSP:** DBOT

**Features:** Bellary City Corporation (BCC) has invited 'Expression of Interest' (EOI) for the development of integrated municipal solid waste (MSW) processing and scientific landfill facility at Haraginadoni on design, build, operate and transfer basis. The site admeasuring 84.33 acres has been acquired by BCC for development of the project in accordance with municipal solid waste management rules, 2000.

**References:**

- <http://imgghost1.indiamart.com/data2/JK/LP/TDR-2648338/2648338.gif>
- <http://tenders.indiamart.com/details/3748838>

**Project update:** No update

**Related Links:**

## 6. Name of Entity: Shimoga City Municipal Council

**Type of PSP:** PPP-BOT-Toll

**Features:** M/s. Ramky Infrastructure Limited won the contract of solid waste management for the contract period of 20 years or completion of land filling whichever is earlier on PPP basis. The estimated project cost is Rs. 4 crore. Amount of government support for this project is ₹ 1.27 Cr. City Municipal Council (CMC) will be paying a tipping fee of ₹ 324 per ton of inert waste land filled to the service provider. Every 3 years there will be increase of 10% of value to the previous tipping fee.

**References:**

- <http://www.pppindiadatabase.com/Screens/firmView.aspx?PROJECTID=lcbvkC3/InM=&AUTHORISEDUSER=N>

**Project update:** No update

**Related Links:**

## 7. Name of Entity: Belgaum City Corporation

**Type of PSP:** PPP-BOT-Toll

**Features:** M/s. Ramky Infrastructure Limited had completed the construction work for integrated solid waste treatment and landfill facilities at Belgaum. The contract period is for 20 years or completion of land filling whichever is earlier on PPP-BOT-Toll basis. The estimated project cost is ₹ 5.12 crores. Amount of government support for this project is ₹ 1.27 Cr. Belgaum City Corporation (BCC) will be paying a tipping fee of ₹ 693 per ton of inert waste land filled to M/s. Ramky Infrastructure Limited. In every 3 years there will be an increase of 15% of value to the previous tipping fee.

**References:**

- <http://www.pppindiadatabase.com/Screens/frmView.aspx?PROJECTID=XDrTeSZFbDA=&AUTHORISEDUSER=N>

**Project update:** No update

**Related Links:**

## 8. Name of Entity: Mangalore City Corporation

**Type of PSP:** Operation and maintenance (O&M) of the compost plant and sanitary landfill site at Panchchanady (Bidding)

**Features:** According to the news reports, The Mangalore City Corporation has invited bids for the three-package solid waste management scheme. At present, the city corporation is operating a six-package system.

According to the revised scheme, the 60 wards in the corporation will be divided into north and south zones, with the former having 29 wards in a package, and the latter with 31 wards in another package. Two contractors will handle the solid waste produced in these wards, separately. Their tasks will include door-to-door collection of waste, street sweeping, clearing vegetation, cleaning of road dividers and footpaths, and sanitation works in public buildings and other places. The agencies will have to transport the solid waste to the compost plant and dumping yard at Pachchanady.

According to the tender notification published on January 15, the cost of handling the solid waste in the north zone is estimated at ₹ 4.25 crore a year. It is ₹ 5.47 core a year in the south zone. The cost of handling solid waste in the north zone has been estimated at ₹ 1,171 a tonne, while it is ₹ 1,160 a tonne in the south zone.

The third package covers operation and maintenance (O&M) of the compost plant and sanitary landfill site at Panchchanady for the period of six years. The cost of this package has been estimated at ₹ 1.78 crore a year, and ₹ 248 a tonne.

**References:**

- <http://www.hindu.com/2010/01/20/stories/2010012058440300.htm>
- Times of India, Mumbai, 21 Jan 2010, Page-19
- Times of India, Mumbai, 03 Aug 2010, Page-12

**Project update:** No update

**Related Links:**

[Back](#)



## Sewage Projects

### 1. Name of Entity: Hubli-Dharwad Municipal Corporation

**Type of PSP:** Design, Supply, Installation, Commissioning, Operation and Maintenance (Invitation for Bids)

**Features:** Hubli-Dharwad Municipal Corporation has invited bids for design, supply, installation, commissioning, operation and maintenance of 40 MLD sewage treatment plant at Gabbur in Hubli taluk for the period of 3 years after construction work is completed. Bidding is open to bidders from eligible source countries of the ADB.

**References:**

- Times of India, Mumbai, 1 April 2010, Page-8

**Project update:** No update

**Related Links:**

### 2. Name of Entity: Bangalore Water Supply and Sewerage Board (BWSSB)

**Type of PSP:** Operation and Maintenance (Invitation for Tenders)

**Features:** BWSSB invites tenders for operation and maintenance of 60 MLD secondary wastewater treatment plant at Mailasandra for the period of three years.

**References:**

- [http://2.imimg.com/data2/FK/QX/HTT-380/380\\_2010-08-03\\_41.jpg](http://2.imimg.com/data2/FK/QX/HTT-380/380_2010-08-03_41.jpg)
- Times of India, Mumbai, 07 Aug 2010

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Bangalore Water Supply and Sewerage Board (BWSSB)**

**Type of PSP:** Operation and Maintenance (Invitation for Tenders)

**Features:** BWSSB invites tenders for operation and maintenance of 10 MLD secondary wastewater treatment plant at Jakkur for the period of three years.

**References:**

- [http://2.imimg.com/data2/PQ/WI/HTT-595/595\\_2010-11-03\\_31.jpg](http://2.imimg.com/data2/PQ/WI/HTT-595/595_2010-11-03_31.jpg)
- <http://tenders.indiamart.com/details/882332622/>

**Project update:** No update

**Related Links:**

### **4. Name of Entity: Bangalore Water Supply and Sewerage Board (BWSSB)**

**Type of PSP:** Operation and Maintenance (Invitation for e-tenders)

**Features:** BWSSB invites e-tenders for operation and maintenance of 20 MLD secondary wastewater treatment plant at K.R.Puram and Besavanapura ISPS, for the period of three years.

**References:**

- Times of India, Mumbai, 28 Oct 2010, Page-8

**Project update:** No update

**Related Links:**

## **5. Name of Entity: Bangalore Water Supply and Sewerage Board (BWSSB)**

**Type of PSP:** Construction and Operation and Maintenance

**Features:** VA Tech Wabag Limited (WABAG) said it has bagged order worth Rs.217 crore from Bangalore Water Supply and Sewerage Board (BWSSB). The order comprises of Rs.194 crore towards construction of 60 MLD waste water treatment plant at K&C Valley with power generation and Rs 23 crore towards operation and maintenance for a period of seven years.

**References:**

- <http://www.waterworld.com/news/2012/11/27/wabag-bags-order-worth-rs-217-cr-from-bangalore-water-supply-and-sewerage-board.html>

**Project update:** New

**Related Links:**

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**Kerala**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	3
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	1
4.	<a href="#">Sewage Projects</a>	0
	<b>Total Projects</b>	<b>4</b>

# Water Supply Projects

## 1. Name of Entity: Kerala Water Authority (KWA)

**Type of PSP:** Design, construction and commissioning including O&M for a period of 1 year of 100 MLD output capacity of Water Treatment Plant at Maradu Kochi-JNNURM Water Supply to Kochi City.

**Features:** “The Managing Director, KWA reported that scope of the work included detailed design and construction of 100 MLD output capacity Treatment Plant, clear water sump and O&M for one year. The MD, KWA further reported that the estimate as approved by the Chief Engineer for ₹ 33.97 Cr did not include the items of O&M for one year (Rs 2.14 Cr), design fee (₹ 0.34 Cr – 1%) and taxes (₹ 0.34 Cr – 1%), including which the estimate was ₹ 36.79 Cr. The negotiated rate of the firm, ₹49.96 Cr is 35.81% above the estimate. The committee discussed the report of the Managing Director KWA on the issue and approved the award of work to M/s Engineering Projects India Ltd for the negotiated amount of ₹49.96 crores, as the MD, KWA certified that the rates quoted are reasonable.”

-

Quoted from Minutes of the 17th Meeting of the Empowered Committee of KSUDP & JNNURM held on 06.10.2009 at 02:00 PM in the Chamber of the Hon’ble Minister for Local Self Government Department, Secretariat Annex, Thiruvananthapuram

**References:**

- [http://ksudp.org/upload/empowered\\_show.php?SIno=106](http://ksudp.org/upload/empowered_show.php?SIno=106)

**Project update:** No update

**Related Links:**

## **2. Name of Entity: Kerala Water Authority (KWA)**

**Type of PSP:** Analysis, design, development, supply, installation, commissioning, training and maintenance of Wide Area Network Infrastructure for Kerala Water Authority

**Features:** Kerala Water Authority invites sealed bids from Organisations / Companies / Firms for participation in analysis, design, development, supply, installation, commissioning, training and maintenance of Wide Area Network Infrastructure for Kerala Water Authority for Japan International Cooperation Agency (JICA) assisted Kerala water supply project.

**References:**

- TENDER NO : 11/2008-09/CE-JICA

**Project update:** No update

**Related Links:**

## **3. Name of Entity: Kerala Water Authority (KWA)**

**Type of PSP:** DBO

**Features:** Degremont India, a joint venture between Degremont, France and the Anand Automotive Group inaugurated its new water treatment plant on 18<sup>th</sup> May 2010 at Aruvikkara, Thiruvananthapuram. The treatment plant is designed to process 76 MLD of raw water from the Aruvikkara Reservoir on a 24 hours basis to deliver a minimum of 74 MLD treated water. The project has been executed by Degremont for Kerala Water Authority, which is responsible for setting up water treatment plants in various regions of Kerala under Kerala Water Supply Scheme.

This Water Treatment Plant at Aruvikkara would be operated on design, build and operate basis for the production of 74 million litre per day of drinking water for the citizens of Trivandrum. The project has been sponsored by Japan International Cooperation Agency (JICA).

**References:**

- <http://smart-grid.tmcnet.com/news/2010/05/18/4793971.htm>

**Project update:** No update

**Related Links:**

[Back](#)

## Sanitation Projects

There are no projects in this section.

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## Solid Waste Management Projects

### 1. Name of Entity: Corporation of Cochin

**Type of PSP:** Operation and maintenance – EOI

**Features:** The project shall consist of operating and maintaining municipal solid waste management facility and sanitary landfill at Brahmapuram.

**References:**

- [http://www.lsg.kerala.gov.in/tender/Tender/C623\\_2009.pdf](http://www.lsg.kerala.gov.in/tender/Tender/C623_2009.pdf)

**Project update:** No update

**Related Links:**

## Sewage Projects

There are no projects in this section.

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**Madhya Pradesh**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	10
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	0
4.	<a href="#">Sewage Projects</a>	1
	<b>Total Projects</b>	<b>11</b>



# Water Supply Projects

## 1. Name of Entity: Bhopal Municipal Corporation (BMC)

**Type of PSP:** Management Contract

**Features:** Bhopal Municipal Corporation (BMC) awarded Jamshedpur Utilities & Services Company (JUSCO) a maintenance contract for a part of the town's water management system in August 2007.

The company, which won the contract through a bidding process, would work on the year-long 'leak detection & rectification' project.

The BMC project, worth ₹ 2.20 crore, is being funded by the Asian Development Bank under the urban water supply and environmental improvement project of the Madhya Pradesh government. A JUSCO Report of November 2008 states that the project has been completed successfully whereas JUSCO's spokes person Mr. Rajesh Rajan, head, corporate communications, said in an interview with Financial Express that the leak detection & rectification of pipeline project in Bhopal would be completed in another four months,

**References:**

- [http://www.juscoltd.com/JUSCO\\_Samachar\\_November\\_08.pdf](http://www.juscoltd.com/JUSCO_Samachar_November_08.pdf)

**Project update:** No update

**Related Links:**

- <http://www.financialexpress.com/news/jusco-to-complete-city-bot-project-by-july/568993/>

## **2. Name of Entity: Dewas Industrial Water Supply Project (Off-take from River Narmada)**

**Type of PSP:** BOT contract (Industrial Water Supply)-PPP

**Features:** First planned in 1996, 23 MLD water supply for Dewas Industrial Estate (DIE), 9 MLD off-take will be guaranteed by MoU with industries in DIE. Estimated cost ₹ 77.58 crore, likely to go up (earlier it was Rs. 65 crore) water to be taken from Nemawar village on the banks of river Narmada.

Dewas Industrial Water Supply project had been planned for supplying approximately 15 MLD water initially and thereon gradually increasing up to 23.00 MLD treated water for next 30 years. The tenders for the project were issued in October, 2004 and the lowest bid of M/s. MSK Projects (India) Ltd. Baroda for supplying water @ ₹ 26.50/K. L. on the date of signing of concession agreement was accepted.

MSK Pvt. Ltd., Baroda has been executing the BOT project. The developer would construct the project for the period of 2 years and would further run and maintain it for a period of 30 years. After 30 years, the project will be transferred back to the State Government at zero cost.

MPSIDC (Madhya Pradesh State Industrial Development Corporation) has appointed consultancy firm Scott Wilson Kirkpatrick India for Dewas water supply scheme.

Debt equity ratio for this project is 76:24 and Government Equity -Private Equity ratio is 0:100.

According to Business Standard, the Madhya Pradesh government has admitted that the first build-own-transfer (BOT) based private industrial water supply project of the state is running into rough weather. The project is faulty and the company responsible for it — MSK Projects (India) Ltd — is unable to supply the required quantity to industrial areas in Dewas. The Business Standard added that, Madhya Pradesh State Industrial Development Corporation (MPSIDC) has found that there were mistakes and technical problems in the project. The pipes used by MSK are of poor quality due to which the water pressure either bursts the pipes or causes leakage.

It was also reported by Business Standard that, “Data submitted by the company to MPSIDC as on April 24, 2010 reveals that as many as 144 agreements were executed for water supply between MSK and Dewas industries for supply of 10.47 mld water against the total installed capacity of the project of 23 mld. The company has supplied 7,044.32 kilolitres (kl)/day of water to 109 industries and 2,173.30 kl/day water is yet to be supplied to a few more industries.”

As per Nav bharat news correspondent, in 12 villages MSK has to supply

drinking water as per the contract but MSK has still not able to supply water to these villages. According to concession agreement between M/s MSK and MPSIDC, it is MPSIDC obligation to ensure that no ground water extraction shall be carried out in the project area. Also a suitable penalty shall be imposed on the person carrying out ground water extraction during the project period.

However, during a field visit we found that all the industries in DIE are extracting ground water on continuous basis and not obliging the contractual obligations. Industries in DIE are blaming MSK for the shortage of water to industries and have written a letter addressed to MSK to compensate differential incremental costs as per the agreement with the industries for minimum off take.

Recently Welspun Infratech Ltd, a 100% subsidiary of Welspun Gujarat Stahl Rohren Ltd and part of USD 3 billion Welspun group has acquired a majority stake in Construction major MSK Projects India Ltd.

**References:**

- Project Monitor, Dated - 06/06/2005
- Project Monitor, May 14, 2007
- <http://www.mpsidc.gov.in/mp07/whats-new/dewas.htm>
- <http://www.pppindiadatabase.com/Screens/firmView.aspx?PROJECTID=dF4IgzxE17w=&AUTHORISEDUSER=N>

**Project update:**

No update

**Related Links:**

- <http://www.business-standard.com/india/news/dewas-water-supply-project-in-rough-weather/394858/>
- <http://www.welspun.com/userfiles/file/Release%20-%20Welspun%20to%20acquire%20MSK%20-%2018%20March%2010.pdf>

### **3. Name of Entity: Khandawa Municipal Corporation (KMC)**

**Type of PSP:** PPP/BOT-Annuity

**Features:** The ₹ 106.72 crore project for augmentation of drinking water supply under Urban Infrastructure Development Scheme in Small and Medium Towns (UIDSSMT). Water will be lifted from a place called Jogibeda, 52 Km from Khandwa. The project will pump water through an intake well on the Chhotitave River, a backwater of the Indira Sagar. On 11th February 2009 Mayor-in-Council has approved the cost of ₹ 115.32 crore for the project and awarded the contract to Hyderabad based "Vishwa Infrastructure and Services Ltd." on PPP basis. The company will start supplying 29 MLD water from 2010. The project is designed for 42 MLD, six hours of water supply. As per Nayi Dunia Khandawa edition dated 26 June 2009, Vishwa Infrastructure has provided ₹ 5 Crore bank guarantee to Khandawa Municipal Corporation for executing the project.

The private company has estimated the project cost to be ₹ 115.32 crores. KMC, through the central and state government sponsored scheme UIDSSMT, is providing the private company with a subsidy of ₹ 93.25 crores to execute the project.

The concession contract period for this project is 25 years. KMC has shortlisted five EOIs. It was agreed that there shall be no commission of any parallel competing facility whether by way of construction of new facility or augmentation of existing facility for a period of 25 years from appointed date. Post-Commercial Operation Date (COD), concessionaire shall have the sole and exclusive right to demand, collect and appropriate charges as per concession agreement. Water tariff would be charged at the rate of ₹11.95 per kilo liter. As per the concession agreement the water tariffs would be raised by 10% every three years. The government will give financial support of ₹ 93.25 crore for this project. As per the analysis done by Manthan Adhyayan Kendra Barwani, the project claimed to supply 24X7 water to the residents of Khandawa earlier but due to unwillingness of private players to undertake this task because of huge costs involved and negligible scenario of such huge cost recoveries, the clause of 24X7 water supply was removed and it was made 6 hours of water supply a day. A more detail analysis of the project is available on Manthan's website in the link given below in the related links.

IFC is considering a \$5.5 million loan to Vishwa to be applied to the Khandwa water supply project and the Kolhapur STP.

On 8<sup>th</sup> April 2012, the Khandawa Bar Association organised a meeting at Khandawa and raised its concern on the grave impacts of the water supply project under UIDSSMT. The Khandawa Bar Association decided to bring the real picture of this project in front of the citizens of Khandawa and emphasized that privatisation of water services is not acceptable. They criticized KMC's decision to privatise Khandawa's water and made a

committee to mobilize people to campaign against KMC's water privatisation move.

The Consumer Forum of Khandwa has ordered Khandwa Municipal Corporation (KMC) on 31<sup>st</sup> December 2012 to address all the objections on the notification related to handing over of water services to a private company.

On 28<sup>th</sup> December 2012, the Consumer Forum of Khandwa had accepted a petition of a prospective consumer of the private company, Shri Laxmi Narayan Bhargav,. The KMC Commissioner Shri Shobharam Sholanki argued before the forum that the applicant is not a consumer as he pays water tax and not water charges. He cited a reference from [A.I.R I (1994) C.P.J 99 (N.C)], Mayor Calcutta Municipal Corporation v/s Tarpada Chatterjee in this context.

The countering the above citation, Shri Tarun Mandaloi, representing the applicant presented the judgment in A.I.R III (2008) C.P.J 135, Rakesh K. Dhawan v/s Union of India, , holding the Municipal Corporation guilty for not resolving the problem of rainwater stagnation and responsible for lack of service. Therefore the services provided by a Municipal Corporation, come within the purview of Consumer Protection Act, 1986.

This citation also states the difference between tax and charges. Tax is that amount which is recovered by the government from the people to fulfill its general objectives and the charges are recovered for providing specific services.

The Commissioner, KMC also contended that the scheme has not yet been implemented, so at present there is no question of lack of service. Shri Shailendra Shukla, the learned Justice of the Consumer Forum along with Forum members Ms. Maya Rathore and Shri Nirmal Bajaj cited section 2(G) of Consumer Protection Act, 1986 and maintained that any person claiming responsibility for providing a specific service, however, even if it seems that there is any irregularity, lack or inadequacy in service provision by him, it could be treated as lack of service.

The applicant mentioned several errors in the notification which could possibly hurt consumer interests urged the Forum to stay the notification till the consumer complaints are redressed. In this regard the Commissioner, KMC stated that a proposal has been sent to the Government of Madhya Pradesh to redress the objections received till 30<sup>th</sup> December 2012. The notification will be published only after redressing these objections.

The Consumer Forum has ordered KMC to redress all the complaints received by it on the notification and then publish. Citizens not satisfied by this shall be free to file a petition before the Consumer Forum or any other appropriate court.

**References:**

- Proposed Water Supply Scheme for Khandawa City under UIDSSMT, Khandawa Municipal Corporation
- <http://www.pppindiadatabase.com/Screens/frmView.aspx?PROJECTID=TOonJ4fU86c=&AUTHORISEDUSER=N>

**Project update:**

Features updated

**Related Links:**

- [http://www.manthan-india.org/IMG/pdf/Khandwa\\_Case\\_Study\\_Part\\_I\\_Final\\_Version\\_May\\_2011.pdf](http://www.manthan-india.org/IMG/pdf/Khandwa_Case_Study_Part_I_Final_Version_May_2011.pdf)
- <http://www.ifc.org/ifcext/spiwebsite1.nsf/ProjectDisplay/ESRS30859>
- Nayi Duniya, 08 April 2012
- Dainik Bhaskar, Khandawa, 04 December 2012
- Dainik Bhaskar, Khandawa, 10 December 2012
- Dainik Bhaskar, Khandawa, 20 December 2012
- Dainik Bhaskar, Khandawa, 25 December 2012
- Dainik Bhaskar, Khandawa, 29 December 2012
- Nayi Duniya, Khandawa, 29 December 2012
- Dainik Bhaskar, Khandawa, 30 December 2012
- Nayi Duniya, Khandawa, 03 January 2013
- Dainik Bhaskar, Khandawa, 04 January 2013

#### **4. Name of Entity: Shivpuri Municipal Corporation**

**Type of PSP:** BOOT-PPP

**Features:** According to the website [www.businessworld.in](http://www.businessworld.in), Doshion Veolia Water Solutions, an Ahmedabad-based water treatment company will implement the water supply distribution project in Shivpuri town. In Shivpuri, Doshion will lay pipelines to transport water from a dam to a treatment facility and into people's homes. It is negotiating for the authority to cut supply if bills are not paid. The agreed tariff is about ₹ 14 per 1,000 litre, which is about ₹ 80-100 per month per household. In Shivpuri, Doshion is investing 40 per cent of the ₹ 80.71 crore project cost. Following the BOOT (build-own-operate-transfer) principle, operations will go back to the municipality after 23 years at zero cost. In Shivpuri, Doshion, and not the municipality, will collect water users' charges from consumers. The 42 MLD project has been sanctioned under UIDSSMT. Doshion will lay pipelines that will fetch water from a dam some 17 km away to a treatment facility and then take it to 12 reservoirs and people's homes where it will install meters to monitor usage.

**References:**

- Dainik Bhaskar, Feb 17, 2009
- Dainik Bhaskar, March 11, 2009
- <http://www.dif.mp.gov.in/ppp%5Cpipeline.htm>

**Project update:** No update

**Related Links:**

- [http://www.businessworld.in/bw/2010\\_04\\_30\\_Minimum\\_Cities.html](http://www.businessworld.in/bw/2010_04_30_Minimum_Cities.html)
- [http://www.businessworld.in/bw/2010\\_05\\_03\\_Testing\\_The\\_Waters.html](http://www.businessworld.in/bw/2010_05_03_Testing_The_Waters.html)

## **5. Name of Entity: Gwalior Municipal Corporation**

**Type of PSP:** Water distribution contract

**Features:** Jamshedpur Utilities and Services Company Limited has been awarded water distribution contract in Madhya Pradesh from the Gwalior Municipal Corporation (GMC). The government of Madhya Pradesh has planned the Urban Water Supply and Environmental Improvement Project for four major cities of the state - Indore, Bhopal, Gwalior and Jabalpur. The Asian Development Bank will lend financial support. Under the ₹ 227.5 million GMC contract, Jamshedpur Utilities and Services Company Limited is to augment the water distribution system of Lashkar and Gwalior zones (lot 1) as well as the Morar zone (lot 2) by September 2009 (or within 19 calendar months, including the monsoon period). The company has won two contracts in Bhopal city. The first was Bhopal Municipal Corporation maintenance contract for part of Bhopal's water management system, the second one a water pipeline project.

**References:**

- <http://investing.businessweek.com/research/stocks/private/snapshot.asp?privcapId=13558041>

**Project update:** No update

**Related Links:**



## 6. Name of Entity: Bhopal Municipal Corporation

**Type of PSP:** PPP (Water supply and metering)

**Features:** According to news reports, for supplying water from river Narmada to Bhopal, ₹ 250 crore works of laying 900 kms pipeline and metering would be done under PPP mode. The responsibility of preparing bid documents has been given to a Holland based company DHB. The estimated cost of the project is ₹ 415 crore and funds would be provided under JNNURM. Bhopal Municipal Corporation has to contribute ₹ 125 crore under this scheme. It is also reported that Bhopal Municipal Corporation will implement the project and will set water tariffs accordingly.

**References:**

- [http://www.bhaskar.com/2009/10/04/091004045054\\_water\\_distribution\\_pipe\\_line\\_in\\_bhopal.html](http://www.bhaskar.com/2009/10/04/091004045054_water_distribution_pipe_line_in_bhopal.html)
- <http://www.pib.nic.in/release/release.asp?relid=47688>

**Project update:** No update

**Related Links:**

## 7. Name of Entity: Madhya Pradesh Government and Panchayat and Rural Development Department

**Type of PSP:** PPP (Watershed Management)

**Features:** Government of Madhya Pradesh and Panchayat and Rural Development Department has invited request for proposal from Corporate/ Industrial/ Business Sector/Houses, their companies, organisations, foundations for planning, implementation, management and monitoring of Watershed Development Projects in various districts of Madhya Pradesh under a PPP programme.

**References:**

- <http://www.watermissionmp.com/CSR-Note.pdf>

**Project update:** No update

**Related Links:**

## **8. Name of Entity: Madhya Pradesh Government( Project Uday)**

**Type of PSP:** Operation and maintenance, billing and collection, metering and network improvement- PPP

**Features:** Government of Madhya Pradesh would implement the project on pilot basis in Indore, Gwalior and Bhopal. The scope of work included operation and maintenance, billing and collection, metering and network improvement on PPP basis. RFP have been issued and eleven bids have been received by MP government. Asian Development Bank has provided loan to MP government for Urban Water Supply and Environmental improvement project and project uday is the implementing agency.

**References:**

- <http://www.adb.org/Documents/India-PPP/notes/Water-MP.pdf>

**Project update:** No update

**Related Links:**

## **9. Name of Entity: Madhya Pradesh Government**

**Type of PSP:** PPP

**Features:** The Urban Administration and Development Department have approved water supply projects under PPP in 29 cities under UIDSSMT. The city includes Khargone, Barwani, Burahanpur, Jhabua, Alirajpur, Dhar, Guna, Sheopurkala, Datiya, Bhind, Muraina, Ashoknagar, Neemach, Raisen, Rajgad, Baitool, Sagar, Shahadol, Anuppur, Umariya, Satna, Singarouli, Sidhi, Sivani, Chindwara, Dindori, Balaghat Narsingpur and Mandala

**References:**

- Dainik Bhaskar (16 March 2011), Page-1

**Project update:** No update

**Related Links:**

## **10. Name of Entity: Indore Municipal Corporation**

**Type of PSP:** Operation and Maintenance

**Features:** A Gurgaon-based firm has bid Rs 180 crore for operating and maintaining (O&M) a 24 x 7, fully-metered water supply project for nearly 7,000 households at Rajendra Nagar, Indore. The firm, SPML Infra, quoted Rs 18 crore per annum for a ten-year operation and maintenance period. If the bid is cleared, Rajendra Nagar will be the first around-the-clock water supply project in the state and also the first to be run and maintained by a private vendor.

Financial bid for the pilot project under which residents will receive water from the third phase of the Narmada (Narmada-III) were opened, some 20 days after technical bidding. The financial bid will be evaluated and sent to the MiC (Mayor-in-Council) with a positive recommendation, if deemed okay. If not, we will ask for the bid amount to be reduced. During the initial period of six months the (water supply infrastructure) assets would be handed over to the SMPL. In the next 18 months, the firm would update the system installing meters at each house.

The actual O & M will start from the third year onwards. Under the pilot project, water would be supplied through pipelines connected to the Rajendra Nagar overhead tank, which would first be divorced from the regular distribution network. This would be followed by installation of meters in the wards and residents would be billed according to a fixed tariff. The contractor will collect the money and hand it over to the corporation which would then pay the company. The payments will depend on its performance on water pressure and other parameters. Inodre Municipal Corporation (IMC) has fixed parameters, or "service-level benchmarks" for water pressure, pipeline repair response time and bill collection efficiency (fixed at an ambitious 95%).

**References:**

- **Hindustan Times, Indore Edition, 10<sup>th</sup> November 2012**

**Project update:** No update

**Related Links:**

[Back](#)

## Sanitation Projects

There are no projects in this section.

## Solid Waste Management Projects

There are no projects in this section.

## Sewage Projects

### 1. Name of Entity: Gwalior Municipal Corporation

**Type of PSP:** Design, construction, erection, testing, commissioning, operation and maintenance (BOT)-PPP

**Features:** Commissioner of Office Municipal Corporation, Gwalior invites tenders notice for design, construction, erection testing and commissioning of sewage treatment plant 60 mld capacity for domestic raw sewage on conventional activated sludge process (casp) or activated sludge process with sequential batch reactor (asp with sbr) and operation and maintenance of constructed facilities for the period of fifteen years and power generation plant to generate power by bio gas in above stp and operation and maintenance of constructed facilities for the period of fifteen years and operation and maintenance of existing sewage pumping station of 60 mld capacity for the period of fifteen years. This project would be implemented under UIDSSMT scheme and Expression of Interest (EOI) has been called for getting valuable suggestions and inputs in the bidding process.

**References:**

- [http://2.imimg.com/data2/WN/LV/HTT-380/380\\_2010-10-02\\_7.jpg](http://2.imimg.com/data2/WN/LV/HTT-380/380_2010-10-02_7.jpg)
- <http://tenders.indiamart.com/details/152199471/>

**Project update:** No update

**Related Links:**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	27
2.	<a href="#">Sanitation Projects</a>	3
3.	<a href="#">Solid Waste Management Projects</a>	5
4.	<a href="#">Sewage Projects</a>	13
	<b>Total Projects</b>	<b>48</b>

## Water Supply Projects

### 1. Name of Entity: Ambernath Municipal Corporation

**Type of PSP:** Not known

**Features:** According to news report, MWH (UK) through its subsidiary MWH India Pvt. Ltd is targeting bid process for water project. Funds involved could be approx. Singapore \$ 500, 000 (around ₹ 1. 67 crore).

**References:**

- Project Monitor, Feb 16-22 2009, P-4

**Project update:** No update

**Related Links:**

## **2. Name of Entity: Bhiwandi - Nizampur Municipal Corporation**

**Type of PSP:** PPP-Management Contract

**Features:** Subhash Projects and Marketing Limited (SPML) is implementing a project on concessional integrated bulk water supply and water management from Pise Weir, Atkhipili, Kanwadi river and distribution to Bhiwandi City with a project cost of ₹ 342 crore under PPP scheme with concession period of 30 Years (including 5 years study, design, construction and 25 years of maintenance).

The project includes construction of KT Weirs and head works, laying 13 Km of raw water transmission mains and revamping the existing WTP at Padgaon and construction of MBR.

**References:**

- <http://spml.co.in/business/bootppp/waterprojects/waterproject01.htm>

**Project update:** No update

**Related Links:**



### **3. Name of Entity: Bhiwandi - Nizampur Municipal Corporation**

**Type of PSP:** PPP-Management Contract (Water Distribution)

**Features:** Subhash Projects and Marketing Limited (SPML) is implementing water distribution management contract for water management for Bhiwandi Nizampur Municipal Corporation with a project investment of ₹ 50 crore. Management contract starts from 2008-09 with a concession period of 30 Years (Study, Design and Implementation Period - 2 years 3 months) operation and maintenance period is of 27 years and 9 months. The project component consist of implementation of integrated information system consisting of customer information, operation and maintenance, demand management and network asset management system, conduct hydraulic modelling, install customer meters, conduct customer surveys and relation programs, evolve rehabilitation plan, install bulk meters with data loggers, setup customer care centre, billing and collection systems, monitoring and maintaining the quality of water and 24x7 water supply after rehabilitation.

SPML aims to raise ₹ 300 crore to finance its Bhiwandi water project by selling equity of the special purpose vehicle that has been created for implementation of the plan. US-based Water Asset Management LLC and Veolia Water have evinced initial interest to pick up equity in the project. A special purpose vehicle, SPML Bhiwandi Water Supply Management, is setting up the project for ₹ 700 crore. The company plans to raise ₹ 400 crore debt for the project which is expected to be operational by 2012-13.

**References:**

- <http://spml.co.in/business/bootppp/waterprojects/waterproject02.htm>
- <http://economictimes.indiatimes.com/markets/stocks/stocks-in-news/Subhash-Projects-to-raise-Rs-300-cr-via-SPV-stake-sale/articleshow/6073231.cms>

**Project update:** No update

**Related Links:**

**4. Name of Entity: Maharashtra Jeevan Pradhikaran (MJP), Goregaon, Distt. – Gondia**

**Type of PSP:** Operation and maintenance

**Features:** A proposal to operate and maintain Goregaon Regional Rural Water Supply Schemes (RRWSS) by seeking participation from the private sector was made by MJP. The proposal envisaged utilization of the resources of private agency for operation and maintenance of scheme and sharing collection of revenue from consumers.

**References:**

- ICPPP, Nagpur Souvenir, Nov 2006
- (Paper by Lokesh Chandra, Municipal Commissioner, NMC)

**Project update:** No update

**Related Links:**

## 5. Name of Entity: Maharashtra Jeevan Pradhikaran (MJP), Latur

**Type of PSP:** Management contract ( RfQ )-PPP

**Features:** MJP had invited tenders in March 2005 for the management contract for operation, maintenance and repairs of Latur water supply scheme including billing and collection of water charges from the consumers, with water supply scheme from Dhanegaon dam, Nagzari weir, Sai weir with all pumping stations, electrical installations, WTPs, water reservoirs, connecting pipelines and distribution system including cost of all materials, energy and labor.

The ₹ 242. 06 crore project has been awarded on November 2007 to a Special Purpose Vehicle "Latur Water Management Company Limited" formed by SPML, UPL-EEL and Hydro-comp Enterprises (a Cyprus based company).

PPP agreement signed between Government of Maharashtra, Maharashtra Jeevan Pradhikaran and SPV for 10 years operation and management. SPV will supply 30-35 MLD for 3. 5 lakh people according to 100 lpcd norm. SPV will manage 24x7 water supply within 2 years.

SPML is also managing 3 water supply schemes, 6 pumping stations, 6 electrical installations, 95 Km of transmission pipelines, 3 WTP's and 2 master balancing reservoirs. Maharashtra Jeevan Pradhikaran (MJP) has cancelled the Latur water supply operations. The reasons for the cancellation of the project is not known.

### References:

- <http://www.ficci.com/media-room/speeches-presentations/2008/apr/cityscapes/AshokNatarajan.pdf>
- <http://www.business-standard.com/india/storypage.php?autono=303488>
- <http://spml.co.in/business/bootppp/waterprojects/waterproject03.htm>
- <http://spml.co.in/mediaroom/downloads/dtwm/SPML%20Water%20Capabilities%20Brochure.pdf>
- <http://www.outlookindia.com/printarticle.aspx?282113>

**Project update:** No update

### Related Links:

## **6. Name of Entity: Municipal Corporation of Greater Mumbai (MCGM), K-East Ward Water Supply Project**

**Type of PSP:** To be decided by study (Domestic Water Supply)

**Features:** MCGM wanted to privatise water supply in the K-East ward that includes part of Jogeshwari, Andheri and goes upto Kurla. Population of about 1 million. One of the profitable wards in terms of collection of water supply charges. The World Bank, through PPIAF is to give US\$ 692, 500 to design and develop a pilot PSP model for water supply. Bids for EOI from consultants invited on 19 Jan. 2005.

From the invited bids 6 consultants were shortlisted in Oct. 2005 for further process including Castalia (France), PWC (India), DHV (Netherlands), Mott Macdonald, Scott Babbie (UK) & Fichtner (Germany).

Castalia (France) was selected as the official consultant for the project after subsequent approvals from the World Bank's Delhi and Washington offices.

The TOR for the project stated that Castalia had to carry out a water distribution improvement contract. Based on the study report Castalia organised the stakeholders meetings twice which lacked people's participation and were also secretive about the findings of the report. But due to the resistance on such issues from various local groups in Mumbai the process has been stalled.

Off-late MCGM has changed its tracks and now wants to have private participation in metering, billing, installing pre-paid meters in the whole city.

**References:**

- Project Monitor, Dated - 10th OCT. 2005.

**Project update:** No update

**Related Links:**

## **7. Name of Entity: Municipal Corporation of Greater Mumbai (MCGM)**

**Type of PSP:** Design, supply, delivery, erection, testing, commissioning and 3 year operation and management of the water treatment plant.

**Features:** The MCGM has floated an international tender for civil, mechanical and electrical works for 900 mld water treatment plant at its Bhandup Complex. The contract to be executed within 48 months is part of the Mumbai water supply project IV. The scope of work includes design, supply, delivery, erection and testing, commissioning and 3 year O&M of the plant.

This contract worth 59 million euros (₹ 3. 4 billion) has been awarded to Degremont, is financed 30% by the Central Government through JNNURM, 20% by the State Government of Maharashtra and the remaining 50%, directly by the Municipal Corporation of Greater Mumbai (MCGM).

**References:**

- Project Monitor, 18 December, 2006

**Project update:** No update

**Related Links:**

## **8. Name of Entity: Municipal Council of Chandrapur**

**Type of PSP:** Management contract (Water Supply)-PPP

**Features:** Municipal Council of Chandrapur has entered in to a management contract with a private company. The council has handed over the water distribution to M/s Gurukripa Associates in March 2004, a local contractor. The council would receive ₹ 1. 59 crore over the period of 10 years from the contractor and a ₹ 75 lakh bank guarantee. The City Municipal Council (CMC) retains ownership of the network but the private company takes over the distribution, maintenance and water tax collection for 10 years. The contractor has to build only 1 km of new pipeline every year. Any improvement and investment in the network is the CMC's responsibility. Reports state that efficiency, investment, services and complaint redressal has worsened since the water services were privatised Water supply to many public taps was stopped and a notification issued that no new public taps to be built. Many households with individual connections have got them disconnected due to erratic or no supply of water for long periods.

**References:**

- ICPPP, Nagpur Souvenir, Nov 2006  
(Keynote Address by VS Dhumal, PS, WSSD, GOM )
- <http://www.hinduonnet.com/fline/fl2307/stories/20060421007101000.htm>

**Project update:** No update

**Related Links:**

## **9. Name of Entity: Municipal Corporation of Greater Mumbai (MCGM)**

**Type of PSP:** Supply, installation, operation and maintenance of AMR water meters

**Features:** MCGM has invited 'Expression of Interest' from manufacturers and dealers of water meters to implement the automatic meter reading (AMR) system. AMR would be implemented on MCGMs all water connections. This will include prepaid water meters in certain categories of properties and ultra-sonic flow meters to measure the flow and cumulative discharge of water in certain areas of network.

Unity Infraprojects Ltd. and Axelia Utility Management Pvt Ltd, have jointly bagged two contracts aggregating ₹ 620. 76 crore from Municipal Corporation of Greater Mumbai. The orders are for supply, installation and maintenance of AMR water meters of various sizes for the eastern and western suburbs of Mumbai. Joint venture of Unity Infraprojects and Axelia Utility Management Pvt Ltd has to execute the installation of the water meter within the span of 18 months and has to carry maintenance work for another 5 years.

US based Itron has been awarded the contract for the delivery of the complete remote meter reading system and operation and maintenance including 150000 AMR to the MCGM. The work is expected to be completed in two years (before 2012).

In early 2009, MCGM awarded Itron a pilot phase about 3000 connections and Itron in joint venture of Pratibha, Unity and Axelia have successfully has ran AMR pilot. On the basis of pilot project, Itron was awarded half of the total contract.

- References:**
- Project Monitor, July 30, 2007
  - <http://www.unityinfra.com/ongoirr1.html>
  - <http://projectsinfo.in/News.aspx?nId=ZoYk01Lw+sz1+rt39MoC7Q==>

**Project update:** No update

**Related Links:**

**10. Name of Entity: Nagpur Municipal Corporation (NMC)**

**Type of PSP:** Design, Build Operate (Water Treatment Plant)

**Features:** French utility Veolia Environment has stated that it has won a contract worth 24 million Euros to design, build and operate a new water-production plant in the city of Nagpur.

The construction of the plant, with a capacity of 240, 000 cubic meters a day, will last 30 months and be followed by a 15 year operating period, Veolia said in a statement.

The French group said its Veolia Water division has already refurbished and expanded an existing water production plant in Nagpur. The statement was released on the Forbes website.

According to the news report, Veolia will start the construction of new water treatment plant at Godhani, which will treat 115 MLD of water. The ₹220 crore project is sanctioned under JNNURM. Of the sanctioned amount, 50% is part of JNNURM, while state government will contribute 20% and 30 % by the NMC. Of the sanctioned amount, ₹10 crore would be spent for setting up of the treatment plant, while the rest will be used for other works including laying of pipelines in the 27-km stretch from Mahadula -via-Godhani to Rajbhavan tank. Once completed, water from the plant will be stored in Rajbhavan water tank, from where it will be supplied to 24 overhead tanks which will come up in east, north, central and west Nagpur. At present, the five plants (four at Gorewada-420 MLD and one at Kanhan - 115 MLD) have the capacity to treat over 535 MLD of drinking water which are supplying water across NMC limits.

**References:**

- <http://www.forbes.com/afxnews/limited/feeds/afx/2008/06/09/afx5094079.html>
- <http://m.timesofindia.com/PDATOI/articleshow/9263455.cms>
- [http://articles.timesofindia.indiatimes.com/2011-07-18/nagpur/29786554\\_1\\_water-treatment-plant-mld-veolia-water](http://articles.timesofindia.indiatimes.com/2011-07-18/nagpur/29786554_1_water-treatment-plant-mld-veolia-water)

**Project update:** No update

**Related Links:**



**11. Name of Entity: Nagpur Municipal Corporation (NMC)**

**Type of PSP:** Operation and maintenance and uninterrupted water supply (24x7)-PPP (Urban Water Supply)

**Features:** NMC has intended for a demonstration zone with uninterrupted water supply to approx. 10, 000 water connections with reduction in Unaccounted For Water (UFW) and improvement in the level of service to consumers. The works included - rehabilitation of water distribution network including service connections, replacement of consumer meters, implementation of Automated Meter Reading (AMR) system, improvement in billing system, reduction in UFW and improvements in revenue, operation and maintenance of the zone for 5 years, on successful implementation of program in the zone, NMC will implement the program in the entire city.

NMC has decided to outsource water distribution network in Dharampeth zone. A ₹ 21 crore, 5-year pilot project for distribution of water, bill, collection, operation and maintenance works was awarded to Veolia Water (India) Pvt. Ltd. , cleared by the civic standing committee. The company has stated that it has begun work on improving the water distribution network in the pilot area to move from an intermittent to a continuous water supply. The decision has already sparked protests with the Nagpur Municipal Corporation Employees Union criticising the 'privatisation' of water distribution network.

The Times of India reported that the Maharashtra government has approved the proposal for formation of a separate company -- Nagpur Environmental Services Limited (NESL) for maintenance of water distribution network and water supply. The present water works department will be merged with NESL which henceforth will look after the entire work related to water supply, maintenance, operations and recovery. The new company will hold board meeting every month to take decisions regarding water supply management. However, water rates and other policy matters will be decided by civic house. The newly formed NESL will have mayor as the chairman, while deputy mayor, standing committee chairman and other office bearers will be its members.

The company will have 11 board of directors and municipal commissioner will be its deputy chairman and executive engineer of water works department will be the managing director. The company will further look after the maintenance of storm water drainage network and other environment-related work. NECL will henceforth look after the entire functioning of NMC's ambitious round-the-clock water supply project sanctioned under JNNURM.

On 10-Oct-2009 The Times of India reported that the Bombay High Court's Nagpur bench has refused to stay the water tax hike implemented by the Nagpur Municipal Corporation. It however admitted the petition for

final hearing. The court's directions came while hearing a bunch of petitions challenging the corporation's decision to hike water tax by as much as five times. The water rates were revised since April 2 after the state government published the "2009 By-laws" in its official gazette by which water rates could be revised. The petitioners demanded quashing of these by-laws stressing that these were unreasonable, shocking and arbitrary.

According to news reports, the standing committee of the Nagpur Municipal Corporation (NMC) has decided to implement the scheme in all areas of the city. Earlier, the estimated cost of the project was ₹387 crore but now the cost has increased to ₹ 566 crore. In November, 2010, NMC awarded the contract to Veolia Water (India) Pvt Ltd and Vishwaraj Environment Pvt Ltd at a price of water ₹ 7.90 per thousand litre sold and received from the customer.

Nagpur Municipal Corporation (NMC) has transferred 427 staffers of water works department (WWD) on deputation to its special purpose vehicle - Nagpur Environmental Services Limited (NESL) - which started functioning from 01 September 2011. The 24x7 water supply scheme sanctioned under JNNURM has been delayed by more than two years due to various reasons including strong protests from citizens and social organisations. The government had sanctioned funds of ₹ 387.86 crore for implementation of the scheme. The funds will be taken back if NMC fails to implement the scheme before March 31, 2012.

Orange City Water Ltd (OCWL) will be the operator which would execute 24x7 water supply scheme and operate water works for a period of 25 years. After emerging as the lowest bidder, NMC issued letter of intent to M/s Veolia Water (India) Private Ltd on November 18, 2010. As per TOI, the company was to take over within 120 days that was on March 18. But the process got delayed. As it is mandatory to have a local partner, France-based Veolia has collaborated with city-based Vishwaraj Infrastructure Limited and formed OCWL.

Before taking over, NMC will sign a memorandum of agreement with OCWL. Then, the entire water supply right, from treatment plants to consumer-end, billing and collection, will be handed over to OCWL for 25 years. According to news reports, as part of the contract, OCWL will be responsible for managing the drinking water cycle of production, treatment, transport, storage and distribution to customers' taps. The surface water will be produced and treated in five plants with a capacity of 720 MLD per day and distributed through 2,500 km of pipeline to 300,000-400,000 water connections. OCWL is also supposed to replace old and leaky pipeline infrastructure with a new one that will ensure that water is supplied with force and efficiency. Orange City Water (OCW) will invest 18 million euros in the project to renovate the city's six water production plants and repair the 2,500 km of network.

According to news reports published in September 2011, the independent

survey has reported that NMC has failed completely in achieving the desired results in the 24X7 water supply pilot project implemented in Dharampeth zone. The ASCI report also confirms NMC is providing 24X7 water supply to only 50% consumers out of the targeted 20,000 consumers.

NMC has also failed to meet the vital target of reducing water losses. As per Water Audit Programme, water losses were to be reduced from 50% to 25% after 24X7 implementation. The JNNURM norms says water losses should be below 15%. As per the ASCI report, water losses have come down to 38% from 50% in the 24X7 area, though this is almost 13 points more than the target and 23 points more than JNNURM norms.

NMC not testing new meters and has not followed the routine practice of checking new meters at its meter testing centre at water works department's head office at Dharampeth before installing them as part of 24X7 water supply pilot project. The meters installed in the pilot project were imported and manufactured by Actaris Company. These meters have not been used in any other part of the city, and were installed in pilot project without testing.

Irate over a number of problems in pilot project, various social organizations have demanded an audit of pilot project from reputed institutions like NEERI or VNIT. However, NMC has paid no attention to these demands.

After a number of complaints about high water bills due to faulty meters, NMC had bowed to strong protests and decided to charge only up to 50 units per month. The project has now left around 450 licenced plumbers jobless. But after the protest of plumbers union, NMC agreed to employ its employees to operate water works for seven months despite it being taken over by private operator- Orange City Water Limited (OCWL). NMC will continue to bear over 50% expenses of water works.

The salary of the employees will be recovered from OCWL. The remaining staffers will continue in NMC if they are not willing to go on deputation basis. NMC will bear the salary of these employees. All will work in water works to ensure smooth functioning of water supply for seven months. The employees on deputation will work for 120 days as mobilization period followed by 90 days as personnel integration period. The employees not selected by operator during personnel integration period will come back to NMC.

As per the news report, fresh controversy involving 24X7 water supply project erupted when CPI leader Jammu Anand, who is also the union leader at the Nagpur Municipal Corporation (NMC), alleged of a huge scam. He demanded scrapping of the project and also asked NMC to take over the entire water works of the city from the private operator.

Following are the issues raised by Mr. Jammu Ananad:

1. The private water operator Orange city water limited (OCWL) is submitting daily reports claiming to supply 640 million litres of water per day (MLD) in the city. However, NMC's data revealed that the water storage capacity available in the city is just of 110 MLD.
2. The existing water storage capacity of the town is 220 MLD then on what basis is OCWL claiming to supply 640 MLD when there is no storage capacity available in the city.
3. NMC pays OCWL at the rate of Rs 7.90 per unit for 250 MLD which come to Rs 72 crore per annum then why is OCWL accepting payment for just 250 MLD when it claims to be supplying 640 MLD.
4. NMC's total expense on water supply was Rs 90 crore per year. Now, the expense has increased to Rs 135 crore, since it handed over the water supply to the private operator. NMC should make it clear as to how the expense increased. NMC roped in the private operator claiming that it would help improve water supply and save losses. However, there is no difference in the whole scenario.
5. NMC used to supply 41 MLD water to the pilot project area before the execution of project. The water supply increased to 97 MLD. But NMC has not achieved a single target set up both by itself and also the Central government. The cost of the project has increased to a great extent, much more than that approved by the Central government. All this proves that the pilot project was failure. Besides this, OCWL comprises of two companies- Veolia water (India) limited and Vishvaraj environment limited on 50-50% share basis.

According to TOI report, NMC has initiated the process to draw additional water from Totladoh reservoir for drinking purpose from the coming summer. The standing committee approved the proposal to deposit Rs28.26 lakh as security deposit with the water resources department (WRD) for the additional quantity of water. But citizens may not get any relief from water scarcity as works at the new water treatment plant (WTP) require at least more six months for completion.

**References:**

- Economic Times, Dated - 18. 03. 2006.
- The Times of India, Dated – 01. 05. 2007.
- <http://www.projectsmonitor.com/detailnews.asp?newsid=16846>

**Project update:** Features updated

**Related Links:**

- <http://timesofindia.indiatimes.com/NEWS/City/Nagpur/139-colleges-get-varsity-affiliation-in-2-hours-flat/articleshow/4957225.cms>
- <http://timesofindia.indiatimes.com/home/city/nagpur/HC-refuses-to-stay-water-tax-hike-by-NMC/articleshow/5108656.cms>
- <http://www.timeschennai.com/index.php?mod=article&cat=NewsOtherStates&article=11695>

- <http://timesofindia.indiatimes.com/city/nagpur/Not-all-in-NMC-opposition-oppose-the-project/articleshow/6892265.cms>
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- <http://timesofindia.indiatimes.com/city/nagpur/24X7-pilot-project-in-doldrums-can-NMC-deliver-across-the-city/articleshow/10014081.cms>
- <http://www.indiawaterreview.in/Story/News/veolia-india-jv-handed-over-nagpur-24x7-water-supply-project/460/1>
- [http://articles.timesofindia.indiatimes.com/2011-11-19/nagpur/30419154\\_1\\_shashikant-hastak-water-supply-dharampeth-zone](http://articles.timesofindia.indiatimes.com/2011-11-19/nagpur/30419154_1_shashikant-hastak-water-supply-dharampeth-zone)
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- [http://www.veoliawater.com/media/news/2012-03-13\\_india-public-private-partnership.htm](http://www.veoliawater.com/media/news/2012-03-13_india-public-private-partnership.htm)
- [http://articles.timesofindia.indiatimes.com/2012-11-27/nagpur/35387100\\_1\\_dharampeth-zone-operator-orange-city-water-nmc-staffers](http://articles.timesofindia.indiatimes.com/2012-11-27/nagpur/35387100_1_dharampeth-zone-operator-orange-city-water-nmc-staffers)
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**12. Name of Entity: Navi Mumbai Municipal Corporation**

**Type of PSP:** Service contract (Maintenance, distribution and billing)

**Features:** Navi Mumbai have adopted service contract mode to outsource certain services like maintenance of pumping station, distribution and billing.

**References:**

- ICPPP, Nagpur Souvenir, Nov 2006  
(Keynote Address by VS Dhumal, PS, WSSD, GOM)

**Project update:** No update

**Related Links:**

**13. Name of Entity: Neera-Deoghar Irrigation Project**

**Type of PSP:** Privatisation proposed, bidding stage on hold (Irrigation project)

**Features:** The Neera-Deoghar irrigation project is located in Krishna basin in Pune district. The Government of Maharashtra wanted to privatise the project as it had already spent around ₹ 467 crore on the irrigation project, which has a storage capacity of 13 thousand million cubic meter (TMC) and the project needed around ₹ 1467 crore to complete the construction of dam and built distribution channels. But due to paucity of funds, the project was getting delayed and the government funds had got locked up in the project.

Recently State Water Regulatory Authority has asked state government owned Maharashtra Krishna Valley Development Corporation (MKVDC) to withdraw advertisement seeking expression of interest from corporate entities. The water regulator has also directed the government to amend its notification which allows MKVDC to call bids on build operate and transfer (BOT) basis for completion of irrigation projects. This revised notification shall include role of the regulator in clear terms on issues fixing criteria for selection of project and the developer, vetting the revenue model, fixing entitlement of various users, fixing tariff for various users. The Maharashtra Water Resources Regulatory Authority (MWRRA) has also asked the government to come up with revised notification within three months before it calls EOI, once again. It may be recalled that, state government called bids from corporates for privatisation of the Neera-Deoghar dam in Pune district.

**References:**

- <http://www.business-standard.com/india/news/state-govts-bid-to-privatise-irrigation-project-getsjolt/341075/>

**Project update:** No update

**Related Links:**

**14. Name of Entity: Pune Municipal Corporation**

**Type of PSP:** Not known (Water Supply)

**Features:** According to news reports MWH (UK) through its subsidiary MWH India Pvt. Ltd is targeting bid process for water project. Contract amount could be close to Singapore \$ 2 - 3 Million (around ₹ 6. 67 - 10. 01 crore).

**References:**

- Project Monitor, Feb 16-22 2009, P-4

**Project update:** No update

**Related Links:**



**15. Name of Entity: Ulhasnagar Municipal Corporation (UMC)**

**Type of PSP:** BOT

**Features:** UMC finalised a plan to hand over water supply to a private company for the next 30 years on BOT basis. The private operator has committed to a price of ₹ 5.40/ KL as compared to the existing price of ₹ 7/ KL. UMC along with the private entity floated an SPV for the job.

The project involves a pumping station to lift water from river Ulhas, take it to reservoir and later to a filtration plant after which it would be handed over to the municipal body for distribution. Collection of water bills will be handled by UMC.

The contract for the ₹ 94 crore water supply scheme has been awarded to Pratibha Industries and would be executed in a JV with Unity Infra Projects through an SPV. Revenues for this project would be generated by sale of treated water to UMC by the company over the concession period. The project is expected to be complete by the mid of 2008.

A news report from DNA India on 5th July 2008 stated that Unity Infraprojects Ltd's Ulhasnagar water supply project has run into problems on account of escalating costs and delay in getting land from the municipal corporation.

A source close to the company said that the Ulhasnagar Municipal Corporation will have to revise the tender for the project to move forward.

**References:**

- The Economic Times, Dated - 24. 10. 2005.
- [http://economictimes.indiatimes.com/News/Economy/Infrastructure/Pratibha\\_Ind\\_bags\\_Rs\\_94\\_cr\\_water\\_supply\\_project/articleshow/838873.cms](http://economictimes.indiatimes.com/News/Economy/Infrastructure/Pratibha_Ind_bags_Rs_94_cr_water_supply_project/articleshow/838873.cms)

**Project update:** No update

**Related Links:**

**16. Name of Entity: Aurangabad Municipal Corporation (AMC)**

**Type of PSP:** PPP-Build, refurbish, operate and maintain under JNNURM (Water supply system)

**Features:**

Aurangabad Municipal Corporation has invited request for qualification for the selection of a private developer to build, refurbish, operate and maintain the water supply system of Aurangabad City on Public Private Partnership (PPP) basis. The project has following main components with a design period of 30 years:

1. Augmentation of bulk water supply to the city from Jaikwadi dam, Paithan.
2. Refurbishment of the distribution network of the city, and
3. Metering of all water connections within the city and the computerised billing and collection of water charges.

The private developer shall undertake the above activities and operate and maintain the entire system for a specified duration after which all the assets will have to be transferred to AMC. Eleven bids have been received by AMC (Cascal –EA Infrastructure –Nagarjuna, IL&FS Water –Acciona Agua, Ashoka Buildcon –Shriram EPC, Mahindra-Suez, IVRCL –Kakade Infrastructure –SMC Infrastructure-Chetas Control, SPML –National Water –Va Tech Wabag, Veolia Water, JMC Projects –Metito Berlinwasser –SREI Infrastructure, Jindal Water –HCC –Manila Water, United Phosphorus –Pratibha Industries –Salcon and Ranhill Utilities –JUSCO)

CRISIL Infrastructure Advisory is advising the Aurangabad Municipal Corporation in selecting a private operator to augment bulk water supply project, refurbish existing water distribution system, meter all connections, manage billing and collection system, create new distribution infrastructure, and operate and maintain the entire system.

The corporation signed an agreement with a special purpose vehicle (SPV) Aurangabad City Water Utility Company Limited. Under the agreement, the first six months will be allotted for various developmental activities while three years are scheduled for construction of infrastructure. The agency will be responsible for construction of a pump house at Jayakwadi, laying of 27 km long water pipeline, construction of water treatment plant at Faroda and water tanks at 11 different places in the city, laying of internal pipelines and modernisation of Hursul Water Supply Project.

The private agency will also develop a parallel pipeline from Jayakwadi to the city in different phases. In the absence of water meters at households in the city, the AMC earlier charged each household Rs 1,800 per year for a half-inch diameter water line. These charges have been increased to Rs 2,500 per annum now. The total cost of the project is Rs 792.20 crore, out of which the AMC will contribute Rs 399.53 crore while the SPV will arrange the remaining amount. In addition to this, the

corporation will give Rs 63 crore per annum to the private agency for operation and maintenance work. At present, the AMC's annual expenditure of operation and maintenance is close to Rs 50 crore.

**References:**           • Times of India, 22 Aug 2009

**Project update:** Features updated

**Related Links:**

- [http://ppp.rajasthan.gov.in/newsevents/SD\\_Panzade\\_&\\_Abhay\\_Kantak.pdf](http://ppp.rajasthan.gov.in/newsevents/SD_Panzade_&_Abhay_Kantak.pdf)
- <http://www.crisil.com/infrastructure-advisory/recent-projects-water.html>
- [http://articles.timesofindia.indiatimes.com/2012-12-06/aurangabad/35646960\\_1\\_water-shortage-construction-of-water-treatment-hike-in-water-tariff](http://articles.timesofindia.indiatimes.com/2012-12-06/aurangabad/35646960_1_water-shortage-construction-of-water-treatment-hike-in-water-tariff)

**17. Name of Entity: Kamleshwar Municipal Council**

**Type of PSP:** Management contract (Water billing )

**Features:** Kamleshwar Municipal council has invited expression of interest from the private firms. Scope of work includes customer survey work, water and electric meter reading, supply and fixing of flow meter, GIS Mapping work, hydraulic modeling work, water billing and collection work by computerisation and managing the work for the period of one year.

**References:**

- <http://imgghost1.indiamart.com/data2/IH/YQ/TDR-3800749/2682028.gif>

**Project update:** No update

**Related Links:**

**18. Name of Entity: Municipal Corporation of Greater Mumbai**

**Type of PSP:** Supply, installation and maintenance of automatic meter reading water meters

**Features:** According to Times of India three companies-Actaris from France, Arad from Israle and Chetak from Pune has won the contract for implementing ₹ 750 crore project for supply, installation and maintenance of automatic meter reading water meters for the period of five years from Municipal Corporation of Greater Mumbai. About 3.11 lakh authorized connections will be provided with water meters. Installations of AMR meters will be completed in eastern suburbs of Mumbai in March 2011 and in western suburbs of Mumbai by October2011.

**References:**

- Times of India, Mumbai, 23- Jan- 2010, Page-4

**Project update:** No update

**Related Links:**

**19. Name of Entity: Dhule Municipal Corporation**

**Type of PSP:** Management contract (Water billing )

**Features:** Dhule Municipal Corporation has invited expression of interest from the private firms. Scope of work includes customer survey work, water and electric meter reading, supply and fixing of flow meter, GIS Mapping work, hydraulic modeling work, water billing and collection work by computerisation and managing the work for the period of one year.

**References:**

- <http://imgghost1.indiamart.com/data2/VO/PF/TDR-3834950/2704294.gif>

**Project update:** No update

**Related Links:**

## **20. Name of Entity: Navi Mumbai Municipal Corporation (NMMC)**

**Type of PSP:** Comprehensive contract for operation and maintenance of water supply distribution system in Navi Mumbai.

**Features:** NMMC invites tenders through E-tendering from eligible contractors for the comprehensive contract for operation and maintenance of water supply distribution system for the period of 3 years in zones following from Zone-3 to Zone-12 and Zone-11,12,13,17,18 and 19 in Navi Mumbai.

**References:**

- Economic Times,Mumbai, 10 Nov 2009, Page-18

**Project update:** No update

**Related Links:**

## **21. Name of Entity: Water Supply and Sanitation Department, Government of Maharashtra**

**Type of PSP:** Operation and maintenance of water treatment plant (EOI)

**Features:** Offers are invited for EOI from firms with experience in manufacture, commissioning and operation and maintenance of ultra violet, ultra filtration, reverse osmosis or fluoride removal plants for installation water treatment plant, as well as operate and maintain them for a period of five years under “Stand alone technologies” for rural schools in Maharashtra. The purpose of this plant is to ensure safe drinking water as per BIS standard 10500 to school (with 100 to 300 students) at the rate of 3 lit/day/ per student. Preference for installation will be in the areas reporting malnutrition and low water quality. Last date of EOI was 24 Feb 2010.

**References:**

- Times of India, Mumbai, 16 Feb 2010, Page-8

**Project update:** No update

**Related Links:**

**22. Name of Entity: Nagpur Municipal Corporation (NMC)**

**Type of PSP:** Operation and maintenance of water meters (E-tender)

**Features:** NMC invites e-tenders for supply, erection and commissioning of AMR meters as well as bulk water meters including operation and maintenance, billing, collection, and customer management for a period of five years.

**References:**

- Economic Times, Mumbai, 13 Feb 2010, Page-6

**Project update:** No update

**Related Links:**

**23. Name of Entity: Maharashtra Jeevan Pradhikaran, Mangaon**

**Type of PSP:** Construction, operation and maintenance

**Features:** MJP, Mangaon has invited tenders for Dighi water supply scheme, Tal. Shriwardhan district- Raigad for construction RCC Jackwell, Raising main WTP, RCC, GSR and Gravity main including operation and maintenance

**References:**

- Economic Times, Mumbai, 06 Oct 2010, Page-10

**Project update:** No update

**Related Links:**

## **24. Name of Entity: Chandrapur Municipal Council**

**Type of PSP:** Operation and maintenance

**Features:** Chandrapur Municipal Council, Chandrapur has invited tenders notice for provision of work of operation and maintenance of water treatment plant including raw water pumping station and pure water pumping station.

**References:**

- <http://tenders.indiamart.com/details/773554988/>
- [http://2.imimg.com/data2/IN/GK/HTT-1038/1038\\_2011-06-30\\_1309425101.jpg](http://2.imimg.com/data2/IN/GK/HTT-1038/1038_2011-06-30_1309425101.jpg)

**Project update:** No update

**Related Links:**



## **25. Name of Entity: Nagpur Municipal Corporation**

**Type of PSP:** BOT-PPP

**Features:** NMC has constructed new water treatment plant at Kanhan under JNNURM on PPP model. Kanhan WTP has been constructed on BOT basis under the Central government's JNNURM scheme. The total cost of the project is Rs87.65 crore. The new plant with installed capacity to treat 240 million litres per day (MLD) was to become operational by December 2010, as per Nagpur Water Supply Efficiency Projects.

The plant started partial functioning on May 21, 2011 and became fully operational on October 12, 2011. Despite installed capacity of 240 MLD, the new plant will run at full capacity for only seven months due to lack of required quantity of raw water.

Since there had not been any official inauguration, NCP group leader Vedprakash Arya along with a couple of corporators had performed a puja and inaugurated the plant on May 25, 2011. The operator has started operation and maintenance work of new plant for 15 years. NMC will pay the operator around ₹ 3 crore per year.

According to Times of India, The Comptroller and Auditor General (CAG) has slammed Nagpur Municipal Corporation for paying ₹83.59 lakh to a private project management consultant (PMC) Dinesh Rathi and Associates. The consultant was hired to prepare a detailed project report (DPR) for a new water treatment plant having capacity of 75 MLD at Kanhan and rehabilitation of existing infrastructure of water treatment plant there.

Considering special nature of the work of preparation of DPR, tender documents and technical supervision were allotted to PMC Dinesh Gandhi and Associates. The PMC prepared DPR suggesting new 120 MLD plant at cost of ₹ 83.59 crore. NMC standing committee also accorded administrative approval for the project which was divided in four stages- construction of new WTP of 120 MLD capacity and rehabilitation of existing WTP AT ₹ 47.79 crore, extension of transmission at ₹ 24.70 crore, protection of Kanhan river bank near head works at ₹ 4.50 crore and laying of pipeline at ₹ 6.60 crore. NMC then made payment of ₹ 83.59 lakh (1 per cent) as fees to PMC.

However, it was observed that during tendering process there was no response for the work like protection of Kanhan river bank near head works and despite that tender was passed in favour of Veolia Water (I) Private Limited on June 13, 2008. However, in contract NMC included construction of entire new WTP of 240 MLD capacity and that too as per the request of Veolia Company.

The audit report slammed NMC that as the work allotted to Veolia was a totally new one which included construction of new WTP of 240 MLD instead of 120 MLD, all exercise done by PMC to prepare a DPR went waste and that's why payment of ₹83.59 lakh to PMC was not justified.

NMC in its reply stated that PMC had prepared the DPR as per work allotted to it and hence was paid the amount. However, CAG stated that as the work proposed in DPR and the works actually taken up for execution were totally different, the DPR prepared by PMC could not serve the purpose for which a huge amount was given.

**References:**

- <http://timesofindia.indiatimes.com/city/nagpur/Kamal-Nath-to-inaugurate-Kanhan-WTP-on-Saturday/articleshow/11013283.cms>
- [http://articles.timesofindia.indiatimes.com/2011-11-14/nagpur/30396822\\_1\\_nmc-prakash-totwani-water-works](http://articles.timesofindia.indiatimes.com/2011-11-14/nagpur/30396822_1_nmc-prakash-totwani-water-works)
- - [http://articles.timesofindia.indiatimes.com/2011-02-24/nagpur/28627204\\_1\\_water-treatment-plant-mld-nmc](http://articles.timesofindia.indiatimes.com/2011-02-24/nagpur/28627204_1_water-treatment-plant-mld-nmc)

**Project update:** No update

**Related Links:**

## **26. Name of Entity: Pimpri Chinchwad Municipal Corporation**

**Type of PSP:** Operation and maintenance

**Features:** The Pimpri Chinchwad Municipal Corporation (PCMC) is set to make a fresh attempt to provide 24x7 water supply to a small area in Nigdi Pradhikaran.

After its earlier project, implemented in an area supporting 45,000 people, fell flat four years ago, the civic body has decided to implement the second pilot project on a smaller area with about 10,000 residents. The project will be implemented at Yamunagar in Nigdi-Pradhikaran this year-end with assistance from French company Suez Environment Water Services. The 24x7 water supply to one of the 5 sub-zones of Yamunanagar will begin by end of year 2011. Later, continuous supply will start in the remaining sub-zones. It has signed a memorandum of understanding (MOU) with the Suez Environment at a cost of ₹ 6 crore.

**References:**

- [http://articles.timesofindia.indiatimes.com/2011-10-27/pune/30327717\\_1\\_water-supply-pravin-ladkat-mld](http://articles.timesofindia.indiatimes.com/2011-10-27/pune/30327717_1_water-supply-pravin-ladkat-mld)

**Project update:** No update

**Related Links:**

## **27. Name of Entity: Pune Municipal Corporation (PMC)**

**Type of PSP:** BOT-PPP

**Features:** The Pune Municipal Corporation (PMC) civic standing committee has approved 24X7 water supply scheme on build-operate-transfer basis (BOT) under public private partnership (PPP). The expected cost of the project is about ₹ 2000 crore.

The PMC late last month awarded a contract to Italian company Studio Galli Ingegneria (SGI) to act as the consultant for the project, which is expected to be implemented in three phases over the next 11 years.

SGI is expected to commence work soon on making a detailed project report (DPR) that would meet water supply demand of next 30 years. The company is expected to submit the DPR to PMC in six months in the first phase.

The Italian company has been mandated to undertake network analysis, take corrective measures like detecting leaks, and carry out system rehabilitation and do a water audit. It will also examine the flow measurement, ensure the systems' reengineering and suggest cost-effective measures to meet the city's water demand for the next 30 years.

The consultant would also be responsible for getting the DPR approved from all authorities concerned along with taking steps for seeking funds for implementation of the project.

**References:**

- <http://www.indiawaterreview.in/Story/News/pmc-eyes-ppp-bot-routes-for-24x7-water-supply-in-pune/469/1>

**Project update:** No update

**Related Links:**

[Back](#)

## Sanitation Projects

### 1. Name of Entity: Nashik Municipal Corporation

**Type of PSP:** PPP (Water and Sanitation)

**Features:** PPP in Water Supply Operations (Billing and collection) in Nashik. Approval granted on 29. 09. 08 by the Empowered Institution formed under ministry of finance subject to the condition that billing and metering would be part of the project and private partner would be responsible for upgrading and maintenance of meters also.

**References:**

- [http://www.pppinindia.com/iipdf\\_projects.asp](http://www.pppinindia.com/iipdf_projects.asp)

**Project update:** No update

**Related Links:**

### 2. Name of Entity: Aurangabad Municipal Corporation

**Type of PSP:** PPP (Water and Sanitation)

**Features:** Developing a PPP project in water supply with an estimated project development expense of ₹ 120 Lakh and support sought under IIPDF would be ₹ 90 Lakh. The proposal was granted final approval by the empowered institution formed under ministry of finance on 20. 03. 2009.

**References:**

- [http://www.pppinindia.com/iipdf\\_projects.asp](http://www.pppinindia.com/iipdf_projects.asp)

**Project update:** No update

**Related Links:**

### 3. Name of Entity: Kolhapur Municipal Corporation

**Type of PSP:** PPP (Water and Sanitation)

**Features:** Kolhapur PPP Project –Water supply and sewerage. In principle approval granted on 20. 03. 2009 by the empowered institution formed under ministry of finance subject to conditions.

**References:**

- <http://www.pppinindia.com/pipeline.asp>

**Project update:** No update

**Related Links:**

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## Solid Waste Management Projects

### 1. Name of Entity: Aurangabad Municipal Corporation(AMC)

**Type of PSP:** BOT

**Features:** AMC invites proposals for municipal solid waste (MSW) project on BOT basis. The project is for processing and disposal of MSW in sanitary landfills for 25 years, the present quantity of MSW is 360 MT/ day.

**References:**

**Project update:** No update

**Related Links:**

### 2. Name of Entity: Nanded Waghala City Municipal Corporation

**Type of PSP:** PPP-BOT

**Features:** Nanded Waghala City Municipal Corporation (NWCMC) is inviting offers for installation of processing plant for 250 TDP mixed solid waste from NWCMC limits and maintaining the plant for 30 years at the site of Kivala. The project is implemented under JNNURM under PPP-BOT mode.

**References:** • <http://tenders.indiamart.com/details/3856749>

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Municipal Corporation of Greater Mumbai (MCGM)**

**Type of PSP:** DBOOT-PPP (Waste Management)

**Features:** MCGM has invited bids for work of partial closure and maintenance of dump site and construction and maintenance of integrated waste management facilities on design, built, own, operate and transfer (DBOOT) for a period of 25 years on PPP basis at Deonar in Mumbai. The Municipal Corporation of Greater Mumbai (MCGM) following a competitive bidding process awarded a consultancy contract to IL&FS for setting up scientifically managed and environmentally sustainable SWM services at four disposal sites located at Deonar, Mulund, Gorai and proposed new site at Kanjur village. Ecosmart is executing this mandate on behalf of IL&FS. The projects so developed would be considered for bidding out for private sector participation using a Public-Private Partnership (PPP). IL &FS Ecosmart Limited was instrumental in getting an advance purchase agreement signed with Asian Development Bank. As a result of this effort, MCGM has received an advance of ₹ 250million against future delivery of Carbon Credits from the Asia Carbon Fund of the Asian Development Bank for the Gorai project.

**References:**

- Project Monitor, August 6, 2007.
- <http://www.ilfsecosmart.com/initiative.htm>

**Project update:** No update

**Related Links:**

- [http://www.ifsindia.com/downloads/bus\\_rep/scientific\\_land\\_gorai\\_dump.pdf](http://www.ifsindia.com/downloads/bus_rep/scientific_land_gorai_dump.pdf)

#### **4. Name of Entity: Mumbai Metropolitan Region Development Authority (MMRDA)**

**Type of PSP:** PPP –BOOT

**Features:** Fifteen international and twenty-two national companies have shown keen interest in developing the regional solid waste management project at Talaja along with the Mumbai Metropolitan Region Development Authority (MMRDA) on a Public-Private-Partnership (PPP) model.

The 117 hectare regional solid waste management project to be developed at Talaja is expected to clear about 2,000 metric tonnes of municipal solid waste daily from the four municipal corporations of Kalyan-Dombivli, Ulhasnagar, Bhiwandi-Nizampur, Thane and two municipal councils of Ambarnath and Kulgaon-Badlapur

The estimated cost of the project is ₹ 1000 Crores. UPL- EEL in association with BEIL has executed the project of Development, Maintenance & Operation of Waste Processing by composting method & Disposal facility including operation & maintenance for a period of 3 years for CIDCO, at Chal near Talaja MIDC as per MSW (Management Handling) Rule 2000 on BOOT Basis.

**References:**

- <http://www.mumbaimirror.com/index.aspx?Page=article&sectname=CITY%20-%20Briefs&sectid=35&contentid=2011031220110311155344792e38b450>
- <http://www.upleel.com/SWM.html>

**Project update:** No update

**Related Links:**

- [http://www.ilfsindia.com/downloads/bus\\_rep/scientific\\_land\\_gorai\\_dump.pdf](http://www.ilfsindia.com/downloads/bus_rep/scientific_land_gorai_dump.pdf)



## **5. Name of Entity: Solapur Municipal Corporation**

**Type of PSP:** BOMT (Re-tendering)

**Features:** Solapur Municipal Corporation has invited re- tender for the third time from the interested service providers in dealing with municipal solid waste management. The scope of work includes collecting and transporting of approximately 420 metric tonnes per day with a scaling up to 500 metric tonnes per day of municipal solid waste generated in Solapur Municipal area on Design and Build, Operate, Maintain and Transfer (BOMT) basis.

**References:**

- Times of India, Mumbai Edition, 22 Jan 2011, Page-16
- Times of India, Mumbai Edition, 10 April 2011, Page-13

**Project update:** No update

**Related Links:**

- [http://www.ilfsindia.com/downloads/bus\\_rep/scientific\\_land\\_gorai\\_dump.pdf](http://www.ilfsindia.com/downloads/bus_rep/scientific_land_gorai_dump.pdf)

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## Sewage Projects

### 1. Name of Entity: Maharashtra Industrial Development Corporation

**Type of PSP:** BOOT contract for Chakan (Pune)

**Features:** Bids invited for designing, financing, constructing, operating and maintaining 4.00 mld capacity common effluent treatment plant at Chakan Industrial Area Phase-III. Construction of a collection and disposal system for 20 years on BOOT basis.

**References:**

- Project Monitor, October 15, 2007, Page 14

**Project update:** No update

**Related Links:**

### 2. Name of Entity: Mira Bhayandar Municipal Corporation

**Type of PSP:** Design, construction and commissioning, operation and maintenance (Underground sewerage scheme)

**Features:** SPML has won an underground sewerage scheme valued at ₹ 525.79 crore. The scope of work includes underground sewerage facilities in a 24 sq. km area. The project would comprise providing, laying and commissioning 107 km of sewer lines; design, construction and commissioning of 10 pumping stations and 10 sewage treatment plants with capacities ranging from 7 mld to 17 mld. The project includes O&M for 5 years after commissioning including the STPs. The project has a completion deadline of August 2011.

**References:**

- Project Monitor, Vol8 Issue48, March 30-April5, 2009, Page no. 12

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Nagpur Municipal Corporation**

**Type of PSP:** PPP (Water reuse)

**Features:** Nagpur Municipal Corporation has opted for public private partnership for wastewater recycling and reuse where the private investor will invest in capital work in Nov 2006. Construction of a 120, 000 Cubic meters per day WWTP was awaiting government approval. Tendering process was initiated in mid-May 2009.

USAID's Water and Energy Nexus Activity (WENEXA) team developed a water reuse project jointly with NMC for water reuse. The WENEXA team developed detailed pre-feasibility studies and engaged various end-users and stakeholders to begin project development. NMC reached an agreement with MahaGenco (the 12, 000 MW state-owned power generation company) to use treated waste water as a source for the substantial water needs of its power plants.

Separately, NMC entered a project agreement with MahaGenco to supply up to 110 million litres per day (MLD) to a new 1, 000 MW coal-fired power station to be owned and operated by MahaGenco. NMC will build a new sewage treatment plant capable of producing and conveying high quality water to MahaGenco, some 15 kms away.

NMC and MAHAGENCO have received a co-financing commitment of 70% of the 130 crore of (US\$ 28 m) total project costs in the form of a capital grant from India's JNNURM (Jawaharlal Nehru National Urban Renewal Mission) for the construction of this project.

- References:**
- ICPPP, Nagpur Souvenir, Nov 2006  
(Keynote Address by VS Dhumal, PS, WSSD, GOM)
  - [http://www.pppinindia.com/iipdf\\_projects.asp](http://www.pppinindia.com/iipdf_projects.asp)
  - <http://www.drumindia.org/wenexa.asp>

**Project update:** No update

**Related Links:**

#### **4. Name of Entity: Thane Municipal Corporation**

**Type of PSP:** Tenders Invited for PSP (Water Supply and Sewage)

**Features:** Tenders have been invited in two packages under JNNURM for design, construction, supply, erection, testing, commissioning, start-up and operation and maintenance for five years of a 120 mld capacity Kopri sewage treatment plant and seven sewage pumping stations at various locations (capacity ranging from 5. 69 mld to 70. 24 mld) on turnkey basis. The construction, completion shall be followed by 6 months of performance run plus 60 months of operation and maintenance.

**References:**

- <http://www.thanemahapalika.com/pdf/files/tndr220908.pdf>

**Project update:** No update

**Related Links:**

#### **5. Name of Entity: Nashik Municipal Corporation**

**Type of PSP:** Operation and Maintenance (Sewage Treatment)

**Features:** SPML has bagged the construction contract for 70 MLD capacity sewage treatment plant at Agar Takali with a project value of ₹ 38. 82 crore which involves the design, construction, supply, erection, testing, commissioning, start-up and performance run followed by 60 months operation and maintenance, on turnkey basis in Nashik City under JNNURM scheme.

**References:**

- <http://spml.co.in/mediaroom/downloads/dtwm/SPML%20Water%20Capabilities%20Brochure.pdf>
- [http://www.thebrandreporter.com/perl/news/company\\_briefs/index.html?id=19563](http://www.thebrandreporter.com/perl/news/company_briefs/index.html?id=19563)

**Project update:** No update

**Related Links:**

## **6. Name of Entity: Nashik Municipal Corporation**

**Type of PSP:** Operation and Maintenance (Sewage Treatment)

**Features:** Design, detailed engineering, supply, erection, testing & commissioning of 1x0.17 MWe capacity sewage gas based power generation plant at 130 MLD sewage treatment plant, Tapovan, Nashik on turnkey basis and also carrying out its successive operation and maintenance for 1 year. Sealed turnkey tenders are invited from the bidders who are qualified in response to pre qualification notice of Nashik Municipal Corporation for the above works under JNNURM. Estimated cost of project is ₹ 249.54 lakh.

**References:**

- [http://www.nashikcorporation.com/html/tenders/tender\\_water\\_supply\\_nov\\_2008.pdf](http://www.nashikcorporation.com/html/tenders/tender_water_supply_nov_2008.pdf)

**Project update:** No update

**Related Links:**

## **7. Name of Entity: Nashik Municipal Corporation**

**Type of PSP:** Design, Construction, Supply, erection, testing, commissioning, start up and performance run 1 followed by 60 months O&M under JNNURM

**Features:** Nashik Municipal Corporation (NMC) has invited sealed lumpsum tenders from the competent contractors with sound technical and financial capabilities under National Competitive Bidding (NCB) for design, construction, supply, erection, testing, commissioning, start up and performance of 21 MLD Sewage Treatment Plant (STP) at Panchak followed by 60 months of operation and maintenance under JNNURM. The civil works will start by August 2009 and is expected to complete in 18 months. The estimated cost of the project is ₹ 7.26 crore.

**References:**

- <http://www.docstoc.com/docs/18300493/Indias-Waste-Treatment-sector>

**Project update:** No update

**Related Links:**

- [http://www.nashikcorporation.com/html/tenders/wssd\\_tn\\_6\\_feb\\_2009.shtml](http://www.nashikcorporation.com/html/tenders/wssd_tn_6_feb_2009.shtml)

## **8. Name of Entity: Nashik Municipal Corporation**

**Type of PSP:** Design, Construction, Supply, erection, testing, commissioning, start up and performance run 1 followed by 60 months O & M under JNNURM

**Features:** Nashik Municipal Corporation (NMC) has invited sealed lumpsum tenders from the competent contractors with sound technical and financial capabilities under National Competitive Bidding (NCB) for design, construction, supply, erection, testing, commissioning, start up and performance of 20 MLD Sewage Treatment Plant (STP) at Chehadi followed by 60 months of operation and maintenance under JNNURM. Gondwana Engineering Pvt. Ltd from Nagpur is likely to win the contract by June, 2009. The civil works will start by August 2009 and is expected to complete in 18 months. The estimated cost of the project is ₹ 7.52 crore.

**References:**

- <http://www.docstoc.com/docs/18300493/Indias-Waste-Treatment-sector>

**Project update:** No update

**Related Links:**

- [http://www.nashikcorporation.com/html/tenders/wssd\\_tn\\_6\\_feb\\_2009.shtml](http://www.nashikcorporation.com/html/tenders/wssd_tn_6_feb_2009.shtml)

## 9. Name of Entity: Municipal Corporation of Greater Mumbai (MCGM)

**Type of PSP:** Design, Build and Operate

**Features:** According to website [www.projectstoday.com](http://www.projectstoday.com), seven individual/consortium companies have submitted EoIs for setting up sewage-water treatment plant at Ghatkopar in Mumbai.

The proposed plant estimated to cost around ₹ 400 crore with a capacity to treat 150-million litres per day of wastewater.

The companies who have formed consortiums are the Ramky Group with Jindal Water Infrastructure; United Phosphorus with Ch2m Hill India; Gammon India with GVK; Singapore based Hyflux with Enviro Control Associates; UEM India with A2Z Infrastructure. Pratibha Industries and VA Tech Wabag have submitted individual EoIs for the project.

MCGM is expected to allow the developer to design, build, and operate the 150 million litres per day of wastewater recycle and reuse plant over a three ha plot. MCGM will procure 50 million litres per day of water for its Deonar landfill site. The remaining water could be commercially used by the contractor. Total investment in the plant is to be made by the developer. MCGM had invited EoIs for the plant in December 2009.

The present Ghatkopar facility partially treats 380 million litres per day of sewage in an open lagoon and lets it out into the Thane creek.”

**References:**

- <http://www.projectstoday.com/News/NewsDetails.aspx?nid=30189>

**Project update:** No update

**Related Links:**

- <http://constructionupdate.com/CMS/Newsletter/NewsFiles/12523.html>
- <http://www.thehindubusinessline.com/2010/03/15/stories/2010031551851300.htm>

**10. Name of Entity: Pune Municipal Corporation**

**Type of PSP:** Operation and management

**Features:** Pune Municipal Corporation invites tender for operation & maintenance effluent treatment plant in kondhwa slaughter house at Pune for the period of one year

**References:**

- <http://tenders.indiamart.com/details/611890583/>

**Project update:** No update

**Related Links:**

**11. Name of Entity: Pimpri Chinchwad Municipal Corporation**

**Type of PSP:** Operation and management

**Features:** Pimpri Chinchwad Municipal Corporation invites tender for operation and maintenance of Kasarwadi STP Phase-I for three years.

**References:**

- [http://www.tendersinfo.com/members/tenders-details.php?site\\_tender\\_id=6602609](http://www.tendersinfo.com/members/tenders-details.php?site_tender_id=6602609)

**Project update:** No update

**Related Links:**

**12. Name of Entity: Pimpri Chinchwad Municipal Corporation**

**Type of PSP:** Operation and management

**Features:** Pimpri Chinchwad Municipal Corporation invites tender for operation and maintenance of Chinchwad STP for three years.

**References:**

- [http://www.tendersinfo.com/members/tenders-details.php?site\\_tender\\_id=6602598%20%20search\\_id=%20%20total=%20%20increment=%20%20select=](http://www.tendersinfo.com/members/tenders-details.php?site_tender_id=6602598%20%20search_id=%20%20total=%20%20increment=%20%20select=)

**Project update:** No update

**Related Links:**



**13. Name of Entity: Kolhapur Municipal Corporation**

**Type of PSP:** Design, construct, commission, operate and maintain-PPP

**Features:** Hyderabad-based infrastructure firm Vishwa Infrastructures & Services Pvt Ltd (VISPL) has won the contract for design, construction and commission of 76 MLD STP, and operate and maintain for 15 years. CRISIL Infrastructure Advisory has assisted Kolhapur Municipal Corporation (KMC) in developing an STP on PPP model.

This project is funded through a grant of 70 per cent of the approved project cost by the National River Conservation Directorate (NRCD), Ministry of Environment and Forests, Government of India. The project is the first PPP project for STP using NRCD grant in the country. The entire project cost is estimated to be Rs.800 million.

CRISIL Infrastructure Advisory has provided the transaction advisory services under the India Infrastructure Development Fund framework under the Department of Economic Affairs, Government of India and supported by the Asian Development Bank. 16 bids were received at RFQ stage. 11 bidders were shortlisted for the next stage. IFC is considering a \$5.5 million loan to Vishwa to be applied to the Khandwa water supply project and the Kolhapur STP.

**References:**

- <http://www.crisil.com/infrastructure-advisory/recent-projects-water.html>
- <http://www.adb.org/Documents/India-PPP/notes/Kolhapur-Sewage.pdf>
- <http://www.mydigitalfc.com/entrepreneurship/ifc-lend-5m-vishwa-infra%E2%80%99s-water-sewage-projects-489>

**Project update:** No update

**Related Links:**

[Back](#)

<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	0
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	3
4.	<a href="#">Sewage Projects</a>	1
	<b>Total Projects</b>	<b>4</b>

## Water Supply Projects

There are no projects in this section.

## Sanitation Projects

There are no projects in this section.

## Solid Waste Management Projects

### 1. Name of Entity: Housing and Urban Development Department (H& UDD), Government of Orissa

**Type of PSP:** DBFOT-PPP

**Features:** H&UDD, Government of Orissa intend to develop a Regional MSW Processing and landfill facility in PPP mode to cater to treatment and disposal of MSW generated out of twin cities Bhubaneswar and Cuttack.

The State Government has identified a site at Bhuasuni which is between Cuttack and Bhubaneswar approximately 30 km from each cities. The State has engaged Orissa Industrial Development Cooperation (IDCO) as the transaction advisor. On behalf of H&UDD, the IDCO has invited a RFP from the private entities.

The project shall be implemented under DBFOT (Design, Build, Finance, Operate & Transfer), wherein the selected bidder shall be responsible for designing, financing, developing the project facilities ( including transfer stations for both the cities, processing plants and Sanitary landfill site); provide services for operating and maintaining the project facilities, tertiary transportation, treatment and disposal of MSW for the period of 30 years.

The selected bidder shall enter into consession agreements with Bhubaneswar Municipal Corporation (BMC) and Cuttack Municipal Corporation (CMC) individually. Against the services the selected bidder shall have right to charge a tipping fee from BMC and CMC.

**References:**

- Economic Times, Mumbai Edition, 21 June 2011, Page-21
- Times of India, Mumbai edition, 20 June 2011, Page-20

**Project update:** No update

**Related Links:**

## **2. Name of Entity: Pradeep Port Trust**

**Type of PSP:** PPP

**Features:** According to the news reports, a model municipal Solid Waste Management (SWM) is coming up in Paradeep under Integrated Coastal Zone Management Project. The project will be funded by World Bank with budgetary provision of ₹14.39 cr. The grounding of the project will be monitored by Housing & Urban Development Department and it will be implemented in Public Private Partnership (PPP) mode. Expression of Interest (EoI) has been invited through global tendering for engagement of Transaction Advisor. After due scrutiny and evaluation of 29 EOI received through tendering 6 consultancy firms have been short-listed. The evaluation report has been sent to World Bank for necessary approval.

The short-listed firms are Scott Wilson India Pvt Ltd, New Delhi, CRISIL Infra. Advisory, India, SENSES Consultants Pvt. Ltd. Noida, BRGM Center Scientfigue Technique France, Infrastructure Professionals Enterprise Pvt Ltd. and DHV International Service Center, Netherlands, As per estimate 20 acres of land is necessary for the project. Different locations have been suggested for the project.

**References:**

- <http://orissadiary.com/CurrentNews.asp?id=28133>
- <http://ibnlive.in.com/news/government-shortlists-firms-hunts-for-site/171040-60-117.html>

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Berhampur Municipal Corporation (BMC)**

**Type of PSP:** PPP

**Features:** The Berhampur Municipal Corporation (BMC) is considering private participation in solid waste management services in the city of Berhampur which will involve developing and implementing integrated solid waste management plans. These plans will include collection, transfer, processing (if feasible) and scientific disposal of solid waste. This Project will also need to comply with the Municipal Solid Waste (management and handling) Rules 2000 (or MSW Rules, 2000), under the aegis of the Environment (Protection) Act 1986.

IFC has been invited by BMC (the “Client”) to provide lead transaction advisory services to assist in structuring and arranging a project for development of integrated solid waste management services under Public Private Partnership (PPP) mode in Berhampur (the Project).

**References:**

- <http://www.devex.com/en/projects/berhampur-solid-waste-management-in-india-technical-consultant-firm>

**Project update:** No update

**Related Links:**

[Back](#)

## Sewage Projects

### 1. Name of Entity: Orissa Water Supply and Sewerage Board

**Type of PSP:** Project management consultancy services

**Features:** Orissa water supply and sewerage board has invited bids for project management consultancy services for integrated sewerage system for Bhubaneswar in Orissa. The scope of work includes overall management of the project including formulation of project management plans, planning, monitoring, supervision, reporting and advice on physical, financial, social and institutional matters. The scope of work also includes detailed design and engineering, review and modification for sewerage and drainage facilities to be constructed under this project, preparation for prequalification and tender documents for all the districts under the JNNURM project, evaluation of prequalification proposals and bids and preparation of evaluation reports and construction supervision including quality control.

**References:**

- Project Monitor, Volume 8 Issue 50, April 13-19, 2009, p-12

**Project update:** No update

**Related Links:**

[Back](#)

<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	0
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	1
4.	<a href="#">Sewage Projects</a>	1
	<b>Total Projects</b>	<b>2</b>

## Water Supply Projects

There are no projects in this section.

## Sanitation Projects

There are no projects in this section.

## Solid Waste Management Projects

### 1. Name of Entity: Puducherry Urban Development Agency

**Type of PSP:** BOOT-EOI

**Features:** Puducherry Urban Development Agency (PUDA) invites expression of interest from companies to jointly setup a Special Purpose Vehicle (SPV) for the development of integrated municipal solid waste management project for the municipalities of Puducherry and Oulgaret through build, own, operate and transfer scheme. The scope of work includes all aspects of municipal solid waste management line, collection, transportation, processing and land filling for an approximate quantity of 400 tons per day (TPD). The Puducherry Municipal Services Private Ltd. ( a joint venture between Puducherry Urban Development Agency and Kivar Environ ) is the implementing agency of the project. The concession period of the contract is 19 years. According to local sources before the project is handed over to Kivar Environ Puducherry government hired many small local contractors to collect, haul and dump's the city's waste. At present Puducherry government is cancelling all those contracts with small and local contracts and handing over waste collection to Kivar Environ in phased manner. Public protest continues due to violation of MSW rules and serious environmental impacts.

**References:**

- <http://tenders.indiamart.com/details/3915505>
- <http://tenders.indscanblog.com/2009/10/puda-invites-eoi-for-swm-project/>
- <http://www.kivarenviron.com/pmspl.php>

**Project update:** No update

**Related Links:**

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## Sewage Projects

### 1. Name of Entity: Puducherry Government

**Type of PSP:** Operation and maintenance

**Features:** According to Projectmonitor magazine, the public works department of Puducherry has awarded Ramky Infrastructure Pvt.Ltd the contract for collection and conveyance system of seven zones, three decentralised treatment plants, and maintenance of sewage system and treatment plants for five years after completion. The ₹ 282 crore project was awarded towards the end of January 2010.

The project will cover Thattanchavady, Muthiarpalyam, Moolakulam, Reddiarpalayam and partial areas of Puducherry and Muthialpet. The project would be supported by JNNURM scheme.

**References:**

- Projectmonitor, Mumbai, August 2-8, 2010, Page-7

**Project update:** No update

**Related Links:**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	0
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	2
4.	<a href="#">Sewage Projects</a>	2
	<b>Total Projects</b>	<b>4</b>

## **Water Supply Projects**

There are no projects in this section.

## **Sanitation Projects**

There are no projects in this section.

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# Solid Waste Management Projects

## 1. Name of Entity: Government of Punjab

**Type of PSP:** PPP

**Features:** Government of Punjab is working along with IL&FS Infrastructure Development Company to develop integrated waste management system for proper disposal of solid waste in the state in a phased manner.

Punjab's Department of Local Government (DoLG) is working towards developing Integrated Municipal Solid Waste Management (MSW) projects on Public Private Partnership (PPP) model covering the entire state.

The projects are being developed on a cluster and regional planning approach with an aim of centralised treatment and disposal of solid waste. This will help in optimisation on land requirement and waste handling and disposal costs.

IL&FS IDC, is the technical and transaction advisor to DoLG for these projects. The local government has invited Request for proposal (RFP) for various clusters like Jalandhar, Ludhiana, Chandigarh and Ferozpur.

Under the PPP model, the Urban Local Bodies (ULB) in these clusters will provide land for the processing facilities, sanitary landfills and the transfer stations in these clusters.

The project involves door to door segregated collection of MSW, Segregated storage of the waste at secondary storage and collection points. The project also involves development; construction and operation of transfer stations, processing facilities and common sanitary landfills.

**References:**

- <http://igovernment.in/site/Punjab-plans-PPP-model-for-solid-waste-management>

**Project update:** No update

**Related Links:**

## **2. Name of Entity: Patiyala Municipal Corporation**

**Type of PSP:** PPP

**Features:**

According to the news report, Patiala solid waste management plant now, is likely to be operational in June 2012. The plant will be set up at Dhudhar village, 22-km from the city, on a 40-acre land, and will cater to the solid waste being generated by Patiala. The estimated cost of the project will be about Rs 100 crore.

The solid waste management project will be set up on a public-private-partnership (PPP) mode. The land will be provided by the Patiala Municipal Corporation and rest of the cost (Rs.100 crore), has to be borne by the private company that will be awarded the project. After the allocation of tenders, the project is likely to be commissioned within a year's time.

According to the above report, the entire garbage will then be taken to the solid waste management plant. Whatever the company earns after selling the compost etc made from the garbage, will go to the company

**References:**

- <http://www.tribuneindia.com/2011/20110520/cth2.htm>

**Project update:** No update

**Related Links:**

[Back](#)

## Sewage Projects

### 1. Name of Entity: Municipal Corporation, Ludhiana

**Type of PSP:** Invitation for Consultancy (Privatisation of Water Supply and Sewage)

**Features:** Bids invited from Consultants for carrying out a Techno-Economic feasibility study for Ludhiana city on 05/09/2005.

**References:**

- Economic Times, Dated - 05/09/2005

**Project update:** No update

**Related Links:**

### 2. Name of Entity: Government of Punjab

**Type of PSP:** Construction of STP, supplying and laying pipes, operation and maintenance

**Features:** Government of Punjab for Punjab Rural Water Supply and Sanitation project has invited bids for providing sewerage scheme and sewage treatment plant at village Kiratpur Sahib (multi village) block Anandpur Sahib, district-Rupnagar (Ropar). The scope of work includes construction of STP, supplying and laying pipes, operation and maintenance for the period of seven years.

**References:**

- [http://2.imimg.com/data2/HE/QV/HTT-115/115\\_2010-08-08\\_6.jpg](http://2.imimg.com/data2/HE/QV/HTT-115/115_2010-08-08_6.jpg)

**Project update:** No update

**Related Links:**

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**Rajasthan**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	8
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	5
4.	<a href="#">Sewage Projects</a>	4
	<b>Total Projects</b>	<b>17</b>

## Water Supply Projects

### 1. Name of Entity: : Public Health & Engineering Department (PHED), Ajmer

**Type of PSP:** Operation and maintenance (Urban water supply)

**Features:** PHED, Ajmer has privatised the operation and maintenance of the filtration plant, pipelines and pumping stations of the new water supply scheme from Bisalpur Dam. At present, the 112 km of pipelines are looked after by a single private firm, Paharia Construction Company, Delhi. Two private firms, Hydron and AEC India Ltd, look after the 5 pumping stations between them (one has 2 stations, and the other has 3). Hydron also operates and maintains the filtration plant.

**References:**

- Water and Sanitation Program Field Note - December 1999.

**Project update:** No update

**Related Links:**

### 2. Name of Entity: Public Health Engineering Department, Madasar, Jaisalmer – Jodhpur

**Type of PSP:** Design, build, operate and maintain

**Features:** Subhash Projects and Marketing Limited (SPML) would supply drinking water to the drought prone areas of Jodhpur city plus 3 other towns and 729 villages of Jodhpur, Jaisalmer and Barmer districts on single point responsibility basis through Rajeev Gandhi Lift Canal Water Supply Project – Phase II. SPML would design, build, operate and maintain the project for 5 years including strengthening, lining and raising of 176 Km canal. The project cost for is ₹ 105 crore.

**References:**

- [http://spml.co.in/business/epc/waterprojects/waterproject\\_Madasar.htm](http://spml.co.in/business/epc/waterprojects/waterproject_Madasar.htm)

**Project update:** No update

**Related Links:**



### **3. Name of Entity: Jalore Municipality**

**Type of PSP:** PPP (To develop a water system for villages)

**Features:** Detailed project report expected soon.

**References:**

- Project Monitor, Volume 9 Issue 5, June 1-7 , 2009, p-12

**Project update:** No update

**Related Links:**

### **4. Name of Entity: Bhilwara and Soniyana Textile**

**Type of PSP:** PPP (Water supply and effluent treatment system for local industry)

**Features:** Rajasthan State Industrial Development & Investment Corporation Ltd. (RIICO) signed a Memorandum of Agreement with Infrastructure Leasing and Financial Services (IL&FS) to form a Special Purpose Vehicle company (SPV) to establish an integrated water supply project for supply of water to textile park in Soniyana village, in district Chittorgarh and existing industries in Bhilwara. The proposed integrated water supply project will be implemented on a Public Private Partnership (PPP) model.

The agreement was signed by Mr. Kuldeep Ranka, MD, RIICO and Mr. L. Krishnan, CEO, IL&FS and IL&FS Urban Infrastructure Managers Limited. The SPV will cater to the industrial requirements of the textile park being developed by RIICO at Soniyana village near Bhilwara-Chittorgarh border and also to existing industries in Bhilwara in Rajasthan. The project is being undertaken with two broad objectives: i. e. transmission of water to industrial customers and to establish a 'Common Effluent Treatment Plant'. Project is in doubt due to cost concerns.

**References:**

- <http://www.andhranews.net/India/2007/November/7-RIICO-Signs-MOA-21505.asp>

**Project update:** No update

**Related Links:**

## **5. Name of Entity: Public Health and Engineering Department (PHED)**

**Type of PSP:** Operation and maintenance (Pokaran Falssond water supply lift project )

**Features:** SPML has won the contract of Pokaran Falssond water supply lift project. The project mainly comprises of total 400 MLD capacity raw water reservoirs, total 125 MLD water treatment plants, clear water reservoirs, 33KV/6. 6 KV/0. 415 KV electric substations, 73 Km long MS pipeline, besides 5 years operation and maintenance.

**References:**

- <http://spml.co.in/mediaroom/downloads/dtwm/SPML%20Water%20Capabilities%20Brochure.pdf>

**Project update:** No update

**Related Links:**

## **6. Name of Entity: Public Health and Engineering Department (PHED), Bikaner**

**Type of PSP:** Design, operation and maintenance

**Features:** Tenders have been invited for works related to construction and commissioning of 40 MLD water treatment plant at Shobhasar and other ancillary works complete on single responsibility basis turnkey contract including necessary design and operation and maintenance for 5 years.

**References:**

- <http://tenders.indiamart.com/details/573262974/>

**Project update:** No update

**Related Links:**

## **7. Name of Entity: Urban Improvement Trust, Kota**

**Type of PSP:** Design, build and operate basis

**Features:** Ramky Infrastructure Ltd. has won an order of Rs.150.42 crore from Urban Improvement Trust, Kota, for construction of 130 MLD water supply scheme and left bank of river Chambal near Sakatpura at Kota and other related associated/allied appurtenant works at Kota on design, build and operate basis. The project is to be completed in 18 months

**References:**

- <http://www.rttnews.com/Content/IndianNews.aspx?Id=1640479&SM=1>

**Project update:** No update

**Related Links:**

**8. Name of Entity: Public Health and Engineering Department (PHED), Ajmer**

**Type of PSP:** Operation and maintenance

**Features:** Ramky Infrastructure Ltd. had bagged the contract worth Rs.156.88 crore from Public Health Engineering Department, Ajmer, for construction of cluster distribution network, IEC activities, pump houses, clear water reservoirs, overhead service reservoirs, 33kV switchyards and village distribution network under Package-II of Nagaur Life project and O&M of complete system for ten years on turnkey basis and the tenure of completion is 36 months.

**References:**

- <http://www.rttnews.com/Content/IndianNews.aspx?Id=1640479&SM=1>
- [http://www.steelguru.com/indian\\_news/Ramky\\_Infra\\_bags\\_INR\\_582\\_crore\\_orders/209036.html](http://www.steelguru.com/indian_news/Ramky_Infra_bags_INR_582_crore_orders/209036.html)

**Project update:** No update

**Related Links:**

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## Sanitation Projects

There are no projects in this section.

### Solid Waste Management Projects

#### 1. Name of Entity: Ajmer Municipal Corporation (AMC)

**Type of PSP:** BOOT (Solid Waste Processing)

**Features:** Proposals invited for BOOT project for 150-200 TPD Municipal Solid Waste Processing Project by PDCOR (Project Development Company of Rajasthan), a joint venture promoted by Government of Rajasthan and IL&FS Ltd. On behalf of Ajmer Municipal Corporation (AMC), land for the project, supply of garbage at the project site along with necessary facilitation would be provided by AMC, initial development work has already been done including assessment of garbage, site clearance, formulation of concession agreement, preparation of preliminary feasibility report, project structuring etc.

Project bidding completed. IL&FS selected Zoom Developer Private Limited as its partner.

**References:**

- Economic Times, Dated - 14. 09. 2006
- [www.pdcor.com](http://www.pdcor.com)
- [www.ilfsindia.com](http://www.ilfsindia.com)
- [www.ilfswasteexchange.com](http://www.ilfswasteexchange.com)

**Project update:** No update

**Related Links:**

## **2. Name of Entity: Jaipur Municipal Corporation**

**Type of PSP:** BOT

**Features:** Construction, operation and maintenance of 100 garbage stations in the city on BOT basis. Bids called on 7 February 2004.

**References:**

**Project update:** No update

**Related Links:**

## **3. Name of Entity: Jaipur Municipal Corporation**

**Type of PSP:** BOOT

**Features:** The Jaipur Municipal Corporation has invited bids for collection, transportation and disposal of hotel/ restaurant waste on build own operate basis for initial period of three year. Tender notice on 21 Jan. 2005. Similar call for bids has come out on 1 February 2005 for collection, and unloading of municipal waste.

**References:**

**Project update:** No update

**Related Links:**

#### **4. Name of Entity: Municipal Corporation, Jodhpur**

**Type of PSP:** BOOT

**Features:** Work for door to door garbage collection and transportation of MSW to Keru has been awarded to M/s Kanak Resources Management Ltd for a period of five years on 05. 02. 2008. M/s Kanak Resources Management Ltd is currently handling 45 wards in the city and having a full responsibility to clean these wards on daily basis.

The waste is collected and transported from predetermined locations and times. Kanak is responsible for the maintenance and cleanliness of garbage depots and containers. The community is involved in the monitoring process to ensure the effectiveness of the program. User charges would be collected from the residents of work area as per MSW Rule 2000.

**References:**

- Sunday Times of India Oct. 14, 2007, Page 6.
- <http://iwmusl.com/detail.asp?ContentID={FA48D63B-4C54-4DD5-82D9-17800C607FCF}>

**Project update:** No update

**Related Links:**

## **5. Name of Entity: Udaipur Municipal Council**

**Type of PSP:** Design, Build, Finance, Operate and Maintain

**Features:** RFP has been invited for setting up 150-200 tons per day (tpd) Municipal Solid Waste (MSW) processing project at Udaipur on Design, Build, Finance, Operate and Maintain basis. Project Development Company of Rajasthan (PDCOR) has invited RFP on behalf of Udaipur Municipal Council. The scope of work for successful bidder would be to Design, Build, Finance, Operate and Maintain the solid waste processing complex for the entire term of concession period (30 years including construction period). Land will be provided by Udaipur Municipal Council at an annual lease (₹ 1 per sq. m land). Estimated project cost of the project as per the Detailed Project Report (DPR) is ₹ 5. 16 crore. Project bidding completed and consortium of Getax, Australia Pty Ltd and VDM Pty Ltd were selected as partners for this project.

**References:**

- <http://www.pdcor.com/RFP%20Udaipur.pdf>
- <http://www.ilfswasteexchange.com/html/udaipur.htm>

**Project update:** No update

**Related Links:**

[Back](#)



## Sewage Projects

### 1. Name of Entity: Rajasthan Government

**Type of PSP:** BOOT-PPP (Reuse of recycled water tertiary treatment water plant )

**Features:** The project is in bidding stage. The project will be implemented on PPP basis. The estimated cost of the project is ₹ 200 crore.

**References:**

- <http://www.pppindiadatabase.com/Screens/firmView.aspx?PROJECTID=8FtMir6TVjU=&AUTHORISEDUSER=N>

**Project update:** No update

**Related Links:**

### 2. Name of Entity: Urban Improvement Trust, Ajmer

**Type of PSP:** Design, construction, supply, installation, testing, commissioning, operation and maintenance under JNNURM

**Features:** The project consists of design, construction, supply, installation, testing, commissioning, operation and maintenance for the period of 5 years of 13 MLD sewage treatment plant at Anasagar, Ajmer. The project is in bidding stage.

**References:**

- [http://imgghost1.indiamart.com/data2/GV/OI/HTT-115/115\\_2010-07-18\\_14.png](http://imgghost1.indiamart.com/data2/GV/OI/HTT-115/115_2010-07-18_14.png)

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Urban Improvement Trust, Ajmer**

**Type of PSP:** Design, construction, supply, installation, testing, commissioning, operation and maintenance under JNNURM

**Features:** The project consists of design, construction, supply, installation, testing, commissioning, operation and maintenance for the period of 5 years of 40 MLD sewage treatment plant at Khanpura, Ajmer. The project is in bidding stage.

**References:**

- Times of India, Mumbai, 21 Aug 2010, Page-8

**Project update:** No update

**Related Links:**

### **4. Name of Entity: Rajasthan Government**

**Type of PSP:** Design, construction, supply, installation, testing, commissioning, operation and maintenance under JNNURM

**Features:** The Project Director of Government Of Rajasthan, Jaipur invites tenders notice for design, construction, supply, erection testing, commissioning and first five years operation & maintenance of sewage treatment plant 5 MLD near Charagah & sewage pumping station including all civil, electrical, mechanical, pumping and other allied works at Karauli town

**References:**

- <http://tenders.indiamart.com/details/884421508/>

**Project update:** No update

**Related Links:**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	9
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	7
4.	<a href="#">Sewage Projects</a>	9
	<b>Total Projects</b>	<b>25</b>

## Water Supply Projects

### 1. Name of Entity: Chennai Metropolitan Water Supply and Sanitation Board (CMWSSB)

**Type of PSP:** DBOOT (Water Treatment Plant)-PPP

**Features:** CMWSSB called for bids on 18 Nov. 2004 for 100/200 MLD sea water desalination plant. IFC project summary states - the sponsor of the project is Chennai based IVRCL Infrastructures & Projects Ltd., a publicly listed company in India, which owns 75% of the project company. The remaining 25% of the project company is owned by Befesa Construcción y Tecnología Ambiental, S. A. U. (Befesa CTA), which is a wholly-owned subsidiary of Befesa Medio Ambiente S. A (Befesa), a Madrid Stock Exchange-listed engineering and construction company. The total project cost is estimated at US \$104 million, and the proposed IFC investment is up to US \$ 25 million as local currency loan. The project is located at Minjur, about 35 kms north of Chennai, a green field site.

IVRCL and its technical partner Befesa have floated joint venture SPV to implement the project. Chennai Water Desalination Ltd (CWDL) is the SPV to design, construct, operate and maintain on DBOOT basis a seawater desalination plant of 100 million liters per day (MLD) capacity at Minjur. CMWSSB awarded the design, construction and operation of the plant (for a period of 25 years) to CWDL.

The March 2006 reports say that Chennai Metrowater's 100 MLD desalination plant project is awaiting environmental clearance from the Central Government. The Central Marine Fisheries Research Institute is yet to respond to the application by Chennai Water Desalination Ltd. The desalination project attained financial closure on January 25, 2007 and was commissioned on July 2008.

Chennai Metrowater has signed a water purchase agreement with the company for procuring water over 25 years at a cost of ₹ 48. 74 per kilo liters and supply to industries at a rate of ₹ 60 per kl. The project has also received funding of ₹ 93 crore under JNNURM.

It was expected that the ₹ 500 crore-100 MLD plant would become operational by January 2009. It would be fully operational by April-May 2009.

After cyclone Nisha battered coastal Tamil Nadu in November last year. The damage caused by the cyclone has delayed the project implementation. M/s Chennai Water Desalination Limited (CWDL), has been forced to engage a Danish company, Van Oord, a major player in dredging works, to remove the mangled remains of huge iron sheets put up in the site as a temporary structure.

The total equity for this project is ₹ 122 crore (IVRCL holding 76% and BEFESA holding 24%). Total debt for this project is ₹ 378 crore.

Debt-Equity ratio is 60:40 and Government - Private equity ratio is 20:80. The project cost (at Financial Closure) is ₹ 658. 50 crore.

The project started its operation from 31 July 2010. Chennai Water Desalination Ltd, will draw over 240 MLD of sea water and process it to supply 100 MLD of potable water using reverse osmosis technology. CWDL entered into the agreement with Metrowater in September 2005. The project has started nearly two years behind schedule. Delays in clearances resulted in the work starting in February 2007 with commercial operations expected in June 2008. But the company again faced a delay in setting up a 240 MLD sea water intake system due to adverse sea conditions and inclement weather.

- References:**
- The Times Of India, Dated - 18. 11. 2004
  - The Hindu Business Line Internet Edition, Dated - 12. 08. 2005
  - The Hindu Online Edition, Dated - 02. 03. 200
  - <http://www.ifc.org/ifcext/southasia.nsf/Content/SelectedProject?OpenDocument&UNID=3DF0C3D8827C735285257178006>.

**Project update:** No update

- Related Links:**
- <http://www.hindu.com/2008/06/11/stories/2008061158830300.htm>
  - <http://www.pppindiadatabase.com/Screens/firmView.aspx?PROJECTID=IE7PsfjKwCg=&AUTHORISEDUSER=N>
  - <http://www.thehindubusinessline.com/2010/07/31/stories/2010073151962300.htm>

## **2. Name of Entity: Chennai Metro Water Supply & Sewerage Board (CMWSSB)**

**Type of PSP:** Twinning Arrangement Consultancy (24x 7 Water Supply)

**Features:** Compagnie Generale Des Eaux (CGE) has commissioned a project for CMWSSB under a program titled "Twinning Arrangement Consultancy" funded by the World Bank which is considered to be the first successful 24/7 pilot project by any water utility in India.

- References:**
- ICPPP, Nagpur Souvenir, Nov 2006  
(Paper by Lokesh Chandra, Municipal Commissioner, NMC)

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Chennai Metro Water Supply & Sewerage Board (CMWSSB)**

**Type of PSP:** BOOT (Urban Water Supply)

**Features:** Indo-French Protocol - Construction of 530 MLD WTP at Chembarambakkam.

Contract agreement signed between CMWSSB and Ondeo-Degremont on 5th Sept 2002, the total cost of the project is ₹ 134.90 crore.

The project is sponsored by the CMWSSB with Degrémont as main contractor, their long-standing Indian partner being Anand. The Tamil Nadu Urban Finance and Infrastructure Development Corporation funded the new plant to the tune of €18. 7m with the French state providing the remaining €6. 6m.

The project involved building the plant, based on proprietary filtration and clarification technology, the installation of a SCADA control system and the construction of more than 15 km of supply pipeline to link the new facility to city's existing supply network.

The total project budget was €51.7m, the plant itself accounting for €25.2m. The construction of the Plant was completed in 2010 and after a trial run of three months, it is now operational. Degremont shall operate this plant for the next seven years. On 8 May2010 chief minister Karunanidhi inaugurated the Water Treatment Plant.

**References:**

- <http://www.urbanindia.nic.in/moud/programme/uwss/main.htm>

**Project update:** No update

**Related Links:**

- <http://www.qataretrade.com/archives/1709>

#### **4. Name of Entity: Chennai Metro Water Supply & Sewerage Board (CMWSSB)**

**Type of PSP:** Not Known (Water Supply leak detection and rectification)

**Features:** Jamshedpur Utilities & Services Company (Jusco), a 100% subsidiary of Tata Steel, has bagged a leak detection and rectification order for various divisions of Chennai city from the Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB).

The ₹ 18.37 crore project is to be completed in 18 months and to be funded 35% by the ministry of urban development, 15% by the Tamil Nadu government (under Jawaharlal Nehru National Urban Renewal Mission (JNNURM) and 50% by the Chennai Metropolitan Water Supply & Sewerage Board (CMWSSB).

**References:**

- <http://www.financialexpress.com/news/Jusco-bags-Chennai-water-contract/483274/>

**Project update:** No update

**Related Links:**

## 5. Name of Entity: Chennai Metropolitan Water Supply & Sewerage Board (CMWSSB)

**Type of PSP:** DBO(Design Build Own)

**Features:** The Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB) have awarded its second 100 MLD (100,000 m<sup>3</sup>/d) desalination plant to VA Tech Wabag and IDE Technologies on a 7-year DBO basis. IDE Technologies will own a 30% interest in the plant. The joint Israeli-Indian venture will plan, procure and build the plant at Nemili, a site about 35 kilometers south of Chennai, at a cost of about ₹ 670 crore, funded by the Indian government and partly by CMWSSB itself and it is expected to be operational by December 30, 2011. The plant is supposed to supply water for Chennai's southern suburbs and the high-tech zone.

According to website [www.expressbuzz.com](http://www.expressbuzz.com), "The Cabinet Committee on Economic Affairs (CCEA) accorded approval to the project and sanctioned a grant of ₹ 871.24 crore. The Centre has already released ₹ 300 crore for the project."

**References:**

- <http://www.globalwaterintel.com/news/2010/1/chennai-get-more-desal-after-nemmeli-award.html>

**Project update:** No update

**Related Links:**

- <http://www.haaretz.com/hasen/spages/1146925.html>
- <http://www.expressbuzz.com/edition/story.aspx?Title=New+desalination+plant+to+quench+the+thirst&artid=e6lZt1Mjoqc=&SectionID=lifojHIWDUU=&MainSectionID=lifojHIWDUU=&SEO=&SectionName=rSYj6QYp3kQ=>



## **6. Name of Entity: Coimbatore City Municipal Corporation**

**Type of PSP:** DBOT (Water treatment plant)

**Features:** The corporation has invited tenders for international competitive bidding under JNNURM for DBOT of a full-scale water treatment plant at Velliangadu near Pillur to deliver 125 MLD treated water. The contract would include operation and maintenance for a period of 5 years.

**References:**

- Sunday Times of India September 2, 2007, Page 6

**Project update:** No update

**Related Links:**

## **7. Name of Entity: Madurai Municipal Corporation**

**Type of PSP:** PPP - Operation and maintenance

**Features:** Subhash Projects and Marketing Limited appointed as the operator consultant for the project. Project includes investment planning, rehabilitation planning, operation and maintenance and 24x7 water supply with project supervision with a project investment of ₹ 13.5 crore. It is the single biggest operator consultant contract placed in India, so far. The project would ensure 24x7 continuous supply of water to the identified wards – Ward No. 6, 7 and 8 in Madurai City.

**References:**

- [http://spml.co.in/business/bootppp/waterprojects/water\\_projects.htm](http://spml.co.in/business/bootppp/waterprojects/water_projects.htm)
- <http://spml.co.in/business/bootppp/waterprojects/waterproject04.htm>

**Project update:** No update

**Related Links:**

## 8. Name of Entity: Tiruupur Water Supply Project

**Type of PSP:** BOT Annuity-PPP (Multipurpose)

**Features:** The ₹ 1023 crore Tiruupur Water Supply Project near Coimbatore is the biggest water supply project on BOOT basis in the country so far. Multi-Purpose, mainly industrial water to large number of export oriented industries in Tiruppur. Also includes urban and rural domestic supply. TACID, TEA and IL&FS, together designed the Tiruupur Area Development Project (TADP) as a PPP, with technical assistance from the USAID's FIRE (D) Project. An SPV with PSP, NTADCL was formed in 1995 to implement the project. It contracted out the construction and maintenance of the systems to a Build, Own, Operate and Transfer (BOOT) consortium of Mahindra, United Utilities (UU), WSA (UK) and Bechtel. United Utilities (UK) and NTADCL will run the JV at a fixed operation and maintenance fee that will be recovered entirely from Tiruupur municipality.

Project has been completed and water supply and distribution started. IFC is also supporting this project (20% IFC share in equity). The Project will supply 185 MLD water to user industries and Tiruupur municipal area. USAID has provided long term (30 years) loan guarantees for US\$ 25 million with IL&FS to help finance the project.

GoTN has created Debt Service Reserve Fund (GoTN contribution ₹ 50 crore) Water Shortage Fund (₹ 72 crore) to pay the interest and operative expenses of the project in the event of a water shortage in the Bhavani river (source of water).

It will be parked in public deposit account to be drawn by NTADCL. Investments in the water supply and sewerage system will be recovered through a composite water charge. The pricing of water supply to industry will be determined based on its opportunity cost, considered rates paid to private tankers. Thus, the price for the industry will be 5-6 times the amount charged to domestic users. Current rate to industrial units is ₹ 55 per thousand liters (KL). The rate for domestic consumers is ₹ 5 per KL per day for Municipality and ₹ 3. 5/kl for villages. It is also expected that domestic consumers will be charged ₹ 5 (USD 0. 10) per KL per day while industry will pay the rest. The debt-equity ratio is 60:40.

Industries in and around Coimbatore, which are facing acute water shortage, have also been offered to share the surplus water by the New Tirupur Area Development Corporation Ltd (NTADCL). The companies, which agree to bear the cost of the project, would be able to recover their investment by way of discount in water charges levied by NTADCL.

It has been reported by the online edition of Hindu Newspaper that NTADCL is set to explore more avenues beyond Tiruupur to market its treated water produced, as the penetration rate in the industrial

segment is yet to touch the desired levels. It also reported, “with off-take of water being very low in the industrial sector, the institution has been registering huge losses (loss last fiscal was ₹ 70 crore) and is now fighting for its existence. The option looked upon by the NTADCL is the government intervention in the form of allocating additional subsidies to offset the losses.

According to a news report, NTADCL has incurred heavy loss of around ₹200 crore as many dyeing units have shut down, drastically reducing water consumption. The industries were consuming 100 million litres per day (mld), but this has come down to 35 mld now, which is deemed the major reason for the current loss suffered by NTADCL. Now Tirupur Exporters Association is demanding rise in water rates.

According to a news report, “the Corporate debt restructuring and a revival package with Tamil Nadu Government funding have been cleared for the ₹ 1,023-crore, New Tirupur Area Development Corporation Ltd (NTADCL) project. The State Government has passed an order to provide NTADCL a ₹ 150-crore Corporate Debt Restructuring (CDR) Package package. The CDR package involves conversion of 15 per cent of the debt to State Government equity. The State Government will pay ₹ 21 a kilolitre to buy the 100 mld to supply for domestic consumption.”

The news report also added that: “ NTADCL's debt is around ₹ 800 crore, including ₹ 200 crore subordinate debt. A portion of the debt is to be converted into equity of the State Government with a stake in the holding company, The Water Investment Company Ltd, through which the two partners have promoted NTADCL. The 185-MLD project has established the water supply and sanitation infrastructure for the Tirupur textile industry hub with water sourced from the Cauvery river, 60 km away. It was funded an equity of ₹ 323 crore and a debt of ₹ 700 crore from a 19-member consortium led by IDBI. The company was to supply 130 MLD to textile units. NTADCL's cost for pumping, treating and supplying water was ₹ 41.70 a KL. ”

**References:**

- [http://www.tn.gov.in/policynotes/municipal\\_administration-10to11.htm](http://www.tn.gov.in/policynotes/municipal_administration-10to11.htm)
- <http://www.thehindubusinessline.com/2009/06/19/stories/2009061952191700.htm>
- <http://www.pppindiadatabase.com/Screens/firmView.aspx?PROJECTID=QB@@@12vYzOR5S4=&AUTHORISEDUSER=N>

**Project update:** No update

**Related Links:**

- <http://www.hindu.com/2009/09/25/stories/2009092550980200.htm>
- <http://www.deccanchronicle.com/chennai/tirupur-water-project-runs-200-cr-loss-239>  
<http://www.thehindubusinessline.com/companies/article3024538.ece>

**9. Name of Entity: Tamil Nadu Water Supply and Drainage Board, Coimbatore**

**Type of PSP:** Operation and maintenance

**Features:** Tamil Nadu Water Supply and Drainage Board, Coimbatore has invited tenders for supply and operation and maintenance for water supply distribution at Coimbatore and Tirupur.

**References:**

- <http://tenders.indiamart.com/details/152046630/>

**Project update:** No update

**Related Links:**

[Back](#)

## Sanitation Projects

There are no projects in this section.

### Solid Waste Management Projects

#### 1. Name of Entity: Coimbatore Municipal Corporation

**Type of PSP:** BOOT-PPP

**Features:** The project awarded to BEIL-UPL joint venture and is presently under execution by an SPV formed by the name of Coimbatore Integrated Waste Management Company Limited. The project scope mainly includes development, design, engineering, finance, construction, implementation, operation and maintenance of (i) transfer stations (ii) transportation of MSW from transfer station to waste processing and disposal site, (iii) closure of existing dumpsites, (iv) processing and disposal facility of treating 400 tons of waste generated from Coimbatore in Tamil Nadu on PPP basis. It is a BOOT project for the period of 20 years and has been approved under JNNURM of the Government of India and is eligible for grants from Central / State government up to 70% of the detailed project report cost.

**References:**

- Project Monitor, July 23, 2007.

**Project update:** No update

**Related Links:**

#### 2. Name of Entity: Tiruupur Municipality

**Type of PSP:** BOOT (Solid waste recycling and recovery facility)

**Features:** IVRCL has designed, constructed and erected a fully mechanized municipal solid waste recycling and recovery facility with an installed capacity of 150 TPD, designed for aerobic window composting of municipal solid waste, on BOOT basis.

**References:**

- [www.ivrcl.com](http://www.ivrcl.com)

**Project update:** No update

**Related Links:**

### **3. Name of Entity: The Pallavapuram Municipality (PMC)**

**Type of PSP:** PPP-DBOT

**Features:** The Pallavapuram Municipality (PMC) designated nodal agency for implementation of Integrated Solid Waste Management for Alandur, Pallavapuram and Tambaram Municipalities with common treatment and disposal facility at Vengadamangalam, intends to implement a project comprising design, build, operate and transfer basis for the above three municipalities under Public Private Partnership(PPP) mode. The term of the concession is 20 years which includes construction, operation, maintenance, closure (for Secured Landfill Facility (SLF)) and post-closure monitoring (for Secured Landfill Facility (SLF)) on a concurrent basis and renewable upon mutually agreed terms and conditions.

For this project under JNNURM, Central assistance grant of 35% and 15% from State Government grant of Tamil Nadu through Tamil Nadu Urban Finance Infrastructure Development Corporation would be provided to the ULB and the balance portion of 50% (ULB Contribution) shall be the level of investment that shall be invested by the successful bidder.

**References:**

- <http://www.ourvmc.org/JNNURM/40%20MLD%20stp%20schedule.pdf>

**Project update:** No update

**Related Links:**

#### **4. Name of Entity: Madurai Municipal Corporation**

**Type of PSP:** BOT-PPP

**Features:** Subhash Projects and Marketing Ltd (SPML) has won a ₹ 57 crore project for managing operation and maintenance of integrated municipal solid waste management facility for Madurai (450 TPD). The contract period for this project is 20 years excluding construction period. SPML total equity for this project is ₹ 17 crore.

**References:**

- <http://www.pppindiadatabase.com/Screens/firmView.aspx?PROJECTID=nM/aOCv1Jkc=&AUTHORISEDUSER=N>

**Project update:** No update

**Related Links:**

#### **5. Name of Entity: Municipal Administration and Water Supply, Dindigul**

**Type of PSP:** Service contract

**Features:** Municipal Administration and Water Supply department, Dindigul has floated tenders to privatize solid waste management works in Ward Nos. 15, 16, 17, 18, 31, 32, 33, 34. The type of the contract is service contract.

**References:**

- <http://imgghost1.indiamart.com/data2/LA/HF/TDR-2695614/2695614.zip>

**Project update:** No update

**Related Links:**



## **6. Name of Entity: Tamil Nadu Industrial Development Corporation Ltd (TIDCO)**

**Type of PSP:** DBOT

**Features:** Tamil Nadu Industrial Development Corporation Ltd plans for the development of an Integrated Municipal Solid Waste (MSW) Processing Facility, for receiving 1800 tonnes per day (TPD) of MSW, complying with the provisions of MSW Rules, 2000 at the existing dumping ground at Kodungaiyur (about 15 kms from the city), through private developer on design, build, operate, maintain and transfer basis.

The Private Developer/Concessionaire would be responsible for conceptualising, planning, designing, financing, construction, operation, marketing and maintenance of the facilities. TIDCO has selected Tera Pharma as the project developer. Approvals awaited from Municipal Corporation of Chennai in this regard.

**References:**

- <http://www.docstoc.com/docs/18300493/Indias-Waste-Treatment-sector>

**Project update:** No update

**Related Links:**

## **7. Name of Entity: Chennai Municipal Corporation**

**Type of PSP:** Operation and Management

**Features:** Neel Metal Fanalca is the company who is implementing Integrated Solid Waste Management project in 4 zones in Chennai. The company is also operating and maintaining the project. According to The Hindu the company has not been able to manage its responsibilities

**References:**

- <http://www.thehindu.com/news/cities/Chennai/article546458.ece>

**Project update:** No update

**Related Links:**

[Back](#)

## Sewage Projects

### 1. Name of Entity: Alandur Municipality

**Type of PSP:** PPP (Sewage disposal and treatment)

**Features:** The Tamil Nadu Urban Development Project (TNUDP) would implement the project on PPP basis. The project company IVRCL has built an underground sewage disposal system and Sewage Treatment Plant (STP) for Alandur Municipality in Tamil Nadu, covering 25000 households over an area of 20 sq. kms with a sewerage system of 193 kms in length.

The planning, installation and operations of sewage treatment plant would be on BOOT – Build-Own-Operate-Transfer- basis. The consortium comprising VA TECH WABAG Ltd. India and IVRCL Infrastructures & Projects Ltd. has been entrusted with the project with the following key components: Sewerage network, pumping stations and sewage treatment plant.

The consortium has formed a special purpose company “First STP Private Limited”, which is the owner of the plant. WABAG undertakes the design, engineering, supply of mechanical, electrical and instrumentation equipments, construction, erection and commissioning as well as Operation and Maintenance of the biological sewage treatment plant for 14 years. Consulting Engineering Services Limited (CESL) appointed as project management consultants. GoTN agreed to provide gap funding to bridge any shortfall in payment of annuities and has also agreed in principle to meet the excess of ₹ 150 per domestic connection per month on account of maintenance charges for the service in reference.

The domestic monthly charges are proposed to be increased to 6 percent annually till they reach a maximum level of ₹ 120 per month. Similarly, the commercial and industrial maintenance charges are proposed to be increased by 6 per cent annually up to the maximum level of ₹ 200 and ₹ 1000 respectively. The GoTN agreed to meet the excess of ₹ 150 per house per month sewer charges as a grant to offset any deficit in the sewerage account equivalent to an amount not exceeding ₹ 30 per month per connection.

**References:**

- [www.ivrcl.com](http://www.ivrcl.com)
- [http://www.wabag.at/MainWabag/Wabag/English/projects\\_details.asp](http://www.wabag.at/MainWabag/Wabag/English/projects_details.asp)
- <http://www.pppindiadatabase.com/Screens/frmView.aspx?PROJECTID=Dg1iXbFzwcg=&AUTHORISEDUSER=N>

**Project update:** No update

**Related Links:**

**2. Name of Entity: State Industries Promotion Corporation of Tamil Nadu (SIPCOT)**

**Type of PSP:** DBOO contract (Sewage and Supply) (EOI)

**Features:** Expression of interest have been floated for construction of 120-mld capacity tertiary treatment – Reverse Osmosis Plant (in modules of 40 mld) on DBOO basis for recycling secondary treated sewage at Chennai and supply to industries at Sriperumdudur, Irungattukottai and Oragadam for the period of 30 years.

**References:**

- <http://www.hindu.com/2007/09/13/stories/2007091359301000.htm>

**Project update:** No update

**Related Links:**

**3. Name of Entity: Chennai Metropolitan Water Supply & Sewerage Board**

**Type of PSP:** Design, engineering, supply, installation, commissioning and Operations and Maintenance

**Features:** WABAG was entrusted with the replacement of an existing plant in Perungudi. The sewage treatment plant on turnkey basis is designed for 54 MLD capacity. The scope of supply comprises design, engineering, supply, installation, commissioning and operations and maintenance of the plant for a period of 10 years. The project was started in the year 2006.

**References:**

- - [http://www.wabag.com/MainWabag/Wabag/English/projects\\_details.asp](http://www.wabag.com/MainWabag/Wabag/English/projects_details.asp)

**Project update:** No update

**Related Links:**

**4. Name of Entity: Chennai Metropolitan Water Supply & Sewerage Board**

**Type of PSP:** DBO

**Features:** WABAG was entrusted with the realisation of a biological sewage treatment plant at Kodungaiyur, Chennai on turnkey basis. The scope of supply comprises design, engineering, supply, installation, commissioning and operations and maintenance of the plant for a period of 10 years. The project was started in the year 2006.

**References:**

- - [http://www.wabag.com/MainWabag/Wabag/English/projects\\_details.asp](http://www.wabag.com/MainWabag/Wabag/English/projects_details.asp)

**Project update:** No update

**Related Links:**

**5. Name of Entity: Indian Rare Earth Limited, A Government of India undertaking**

**Type of PSP:** Operation and maintenance

**Features:** Indian Rare Earths Limited, Manavalakurichi, Kanyakumari district invites tender for operation and maintenance of sewage treatment plant at main plant and housing complex for the period of one year.

**References:**

- [http://imgghost1.indiamart.com/data2/WU/DX/HTT-240/240\\_2010-03-13\\_189781.doc](http://imgghost1.indiamart.com/data2/WU/DX/HTT-240/240_2010-03-13_189781.doc)

**Project update:** No update

**Related Links:**

- <http://tenders.indiamart.com/details/211541090/>

**6. Name of Entity: Chennai Metropolitan Water Supply & Sewerage Board**

**Type of PSP:** DBOT

**Features:** Chennai Metropolitan Water Supply and Sewerage Board had invited tenders for design and execution of a sewage treatment plant under the Avadi Sewerage Scheme. The 36-mld STP will come up at the existing oxidation pond abutting Paruthipattu lake and 4 mld at Muthapudupet lake. The scope includes commissioning start-up performance run followed by five years of operation and maintenance. The construction period is 24 months with a three-month trial run. The DBOT project will be funded under JNNURM. The last date of submission of bids is June 30.

**References:**

- <http://www.projectsmonitor.com/WATTREAT/cmwssb-plans-sewage-treatment-plant>

**Project update:** No update

**Related Links:**

**7. Name of Entity: Chennai Metropolitan Water Supply & Sewerage Board**

**Type of PSP:** DBOT

**Features:** Chennai Metropolitan Water Supply And Sewerage Board has invited bid for design, construction, erection and commissioning of 36 MLD Sewage Treatment plant tailored to treat 18 MLD based on Sequential Batch Reactor (SBR) Technology or an alternative proposal on ASP or its modification at Sholinganallur on DBOT basis including O&M for 5 years.

**References:**

- <http://tenders.indscanblog.com/2010/06/cmwssb-invites-bid-for-36-mld-stp-at-sholinganallur/>

**Project update:** No update

**Related Links:**

## **8. Name of Entity: Salem City Municipal Corporation**

**Type of PSP:** DBOT

**Features:** Salem City Municipal Corporation is setting up a 35-mld sewage treatment plant at Mankuttai on DBOT basis. The estimated cost of the project is ₹ 24.50 crore. The tender invited for this project. The scope of work includes design, provide, construct, erect, commission and carry out performance trials for six months followed by five years of operation and maintenance.

The STP project will be funded out of the proceeds of a loan from International Bank for Reconstruction and Development, a World Bank arm, towards the cost of the Third Tamil Nadu Urban Development Project.

**References:**

- <http://www.projectsmonitor.com/WATTREAT/sewage-treatment-plant-for-salem-city>

**Project update:** No update

**Related Links:**

**9. Name of Entity: Water Supply and Drainage Board, Thanjavur**

**Type of PSP:** Construction and Operation and management

**Features:** Water Supply And Drainage Board, Thanjavur, Tamil Nadu invites tenders notice for construction of sewage treatment plant of 4. 16 MLD capacity with activated sludge process and performance trial run for 6 months followed by 5 years of operation and management under Under Ground Sewerage Schemes (UGSS) to Ariyalur municipality in Ariyalur district of Tamil Nadu.

**References:**

- <http://tenders.indiamart.com/details/783831573/>

**Project update:** No update

**Related Links:**

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**Uttar Pradesh**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	1
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	7
4.	<a href="#">Sewage Projects</a>	1
	<b>Total Projects</b>	<b>9</b>



## Water Supply Projects

### 1. Name of Entity: Uttar Pradesh Jal Nigam

**Type of PSP:** Construction and operation and maintenance

**Features:** Pratibha Industries has secured the contract of Meerut water supply project from UP Jal Nigam, Meerut. The total value of the contract is ₹ 294.30 crore. The project has various components, which include 100 mld water treatment plant with PLC / SCADA, laying of 1500 mm to 500 mm dia PSC pipe feeder main, RCC overhead tank, laying and commissioning of distribution system and rising mains, tube wells, pump houses etc. including operation and maintenance for five years. The project is to be executed in 24 months including four months trial run.

**References:**

- [http://im.sify.com/sifycmsimg/dec2009/Finance/14924139\\_Pratibha\\_Industries\\_Sep09\\_Results.pdf](http://im.sify.com/sifycmsimg/dec2009/Finance/14924139_Pratibha_Industries_Sep09_Results.pdf)

**Project update:** No update

**Related Links:**

- <http://economictimes.indiatimes.com/news/economy/infrastructure/Pratibha-Ind-bags-order-worth-Rs-29430-cr-from-UP-Jal-Nigam/articleshow/5242364.cms>

## Sanitation Projects

There are no projects in this section.

[Back](#)

## Solid Waste Management Projects

### 1. Name of Entity: Kanpur Municipal Corporation

**Type of PSP:** Construction and operation

**Features:** Ramky, a Hyderabad based company was awarded a contract for establishing solid waste management project in the city. Ramky quoted ₹ 56 crore as the estimated cost of the project. According to an agreement, the company will operate the project for three years after completion of construction work.

**References:** • Project Monitor, September 17, 2007, Page 9

**Project update:** No update

**Related Links:**

### 2. Name of Entity: Construction and Design Services and Uttar Pradesh Jal Nigam

**Type of PSP:** PPP-BOT

**Features:** Construction and Design Services and Uttar Pradesh Jal Nigam have been given responsibility for award and execution of MSW projects on BOT (PPP) basis under UIDSSMT. These projects are grouped into following three packages which is integral part and are referred to as one package: 1. Collection and Transport, 2. Processing and Treatment of Solid Waste and 3. Operation and Maintenance of processing plant and Secured Landfill Facility (SLF).

These Projects will be set up under four ULB's of Uttar Pradesh as follows:

- a) Ballia at an estimated cost of ₹ 373.70 lakh.
- b) Badaun at an estimated cost of ₹ 488.60 lakh.
- c) Sambhal (Moradabad) at an estimated cost of ₹ 521.69 lakh.
- d) Basti at an estimated cost of ₹ 390.98 lakh.

**References:** • [www.pppindiadatabase.com](http://www.pppindiadatabase.com)

**Project update:** No update

**Related Links:**

### 3. Name of Entity: Awas Bandhu, Uttar Pradesh, Housing & Urban Planning Department, Government of Uttar Pradesh

**Type of PSP:** Design, finance, construct, operate and maintain basis under PPP mode (Lucknow).

**Features:** Government of Uttar Pradesh (GoUP) proposes for design, finance, construction, operation and maintenance of Solid Waste Management system in Lucknow. GoUP has invited pre-qualification bids from the eligible developers either on their own or in consortium of up to four members, for being shortlisted for the issue of Request For Proposal (RFP) document. GoUP has appointed the Regional Centre for Urban and Environmental Studies (RCUES), Lucknow as nodal agency with responsibilities of managing all activities concerning to municipal solid waste management in Lucknow city.

The project intends to fill the gaps in the present solid waste management system under JNNURM under PPP mode. The scope of work comprises of the following facilities in Phase-I: Collection of waste from individual households and its segregation into biodegradable and non-biodegradable wastes, Construction, operation and maintenance of MSW transfer stations including secondary transportation of waste from the transfer stations to the treatment and disposal facilities, development, operation and maintenance of processing facility with compost plant and any other suitable plant such as RDF, etc, development, operation and maintenance of sanitary landfill facility, setting up STPs as required beyond those proposed in JNNURM, operation and maintenance of all existing STPs and any other activity needed as part of integrated solid waste management project.

It was reported by website [www.expressindia.com](http://www.expressindia.com) that the mayors of nine municipal corporations (Lucknow, Allahabad, Varanasi, Jhansi, Gorakhpur, Moradabad, Aligarh, Meerut and Mathura) are opposing privatisation of the waste management and raising questions on the capability of selected firms, the mayors claim that *safai* workers of these municipal bodies would be unemployed after privatisation. M/s Jyoti Build Tech has been chosen for implementing the project in Lucknow.

**References:**

- <http://awas.up.nic.in/pdf/Lucknow/Solid%20Waste%20Management%20Lucknow.pdf>

**Project update:** No update

**Related Links:**

- <http://www.expressindia.com/latest-news/mayors-oppose-privatisation-of-waste-management-project-govt-appoints-c&ds/568199/>

#### **4. Name of Entity: Construction and Design Services Uttar Pradesh Jal Nigam**

**Type of PSP:** DBFOT-PPP

**Features:**

The project, which is under JNNURM, was approved by the Centre for 9 cities. The Uttar Pradesh Jal Nigam had received 29 bids in June 2009. Out of the 29 bids, five are for Lucknow and three each for Aligarh, Mathura, Jhansi, Meerut, Gorakhpur, Allahabad, Varanasi and Moradabad. The bids have been submitted by five firms — A2Z, SPML, RAMKY, APR Projects Pvt Ltd and Jyoti Build Tech. The entire project is estimated to cost around ₹ 150 crore. The private enterprise was being sought to develop SWM facilities under a 30-year concession period using the DBFOT route. The state government will provide land for the waste processing unit and the sanitary landfill free of cost. Land has been identified in each of the nine locations. The private developer will be entitled to collect user charges from the respective urban local body (municipality), wherever applicable. The bids were expected to be submitted by June 30 but the Uttar Pradesh Jal Nigam has cancelled all the bids that were received.

Expressindia.com reported that the bids were cancelled as the bidding firms had quoted high tipping fees in their financial bids for collection and transportation of solid waste. A new condition has been added in the bid document, whereby a firm cannot hike the tipping fees in the first three years of the 30-year concession period. Secondly, if a firm associates with another player in the project, the latter must have a share holding of at least 50 per cent in the associated company to ensure the use of land fill site for a longer time, the government has set a condition that firms will have to utilise 80 per cent waste and dispose only 20 per cent.

It is also reported that, "according to the system, a single firm will be responsible for collecting the waste material to the formation of bio-fertilizer to the disposal at the land fill site. The Construction and Design Services (C&DS), a wing of Jal Nigam, is executing the bidding process on behalf of the urban local bodies. The Jal Nigam has also appointed a Gurgaon-based company, Deloitte Touche Tohmatsu India Pvt Ltd, as the consultant for the project.

The technical bids received for Lucknow and Gorakhpur had been cancelled in the initial stage and fresh bidding process was started for both the cities in August. For the rest, the financial bids would be opened for evaluation on September 22 2009.

It was reported by website [www.expressindia.com](http://www.expressindia.com) that the mayors of the above nine municipal corporations are opposing privatisation of the waste management and raising questions on the capability of selected firms, the mayors claim that *safai* workers of these municipal bodies would be unemployed after privatisation.

The report further added that A2Z Maintenance has been selected for carrying out the project in Moradabad, Aligarh, Meerut and Varanasi, M/s Jyoti Build Tech has been chosen for implementing the project in Lucknow. Subhash Projects and Marketing have been chosen for Mathura and Allahabad while APR Projects will carry out works in Gorakhpur and Jhansi. The agreement of project in these cities was earlier signed between only two parties — local municipal body and the selected firm.

According to the above report, “Even as mayors in nine cities oppose the privatisation of solid waste management project, the [Uttar Pradesh](#) government has decided to appoint Construction and Design Services (C&DS), a wing of UP Jal Nigam, as third party in the project.

The C&DS will be responsible for implementing the technical phase of the project that includes the installation of machinery at sites meant for processing of waste, composting, Refuse Derived Fuel (RDF), dumping at landfill sites and purchase of equipments.

The other aspects comprising the project — collection and transportation of solid waste — would be carried out by the local municipal bodies. Sources maintain that C&DS has been made third party so that at least the first phase of project could be started even if mayors continue to oppose the project. The premise being that mayors can oppose only that part of the project that is to be handled by municipal bodies. Government officials, meanwhile, claimed that all objections of mayors have been sorted out and C&DS has been made party in the project for technical consultancy only.”

Following are some of the statements given by Principal Secretary of Urban Development Department and C&DS director regarding their stand on the above issue as reported by website [www.expressindia.com](http://www.expressindia.com):

“Alok Ranjan, Principal Secretary of Urban Development Department added: “To meet the demands of mayors, some changes will be made in the agreement conditions. The C&DS would also sign the agreement to provide technical support and monitor the progress in technical works.”

C&DS director P K Bhukesh said, “Besides technical support, the reason to include C&DS in the project is to ensure that technical works like installation of machines for processing of waste can be started despite opposition of mayors.”

**References:**

- <http://www.expressindia.com/latest-news/bids-for-9-cities-cancelled-fresh-bids-on-sept-14/515736/>
- <http://www.expressindia.com/latest-news/now-single-firms-to-handle-waste-management-projects-in-9-towns/474083/>
- [www.indianexpress.com/news/solid-waste-system-jal-nigam-receives-29-bi/517611/](http://www.indianexpress.com/news/solid-waste-system-jal-nigam-receives-29-bi/517611/)

**Project update:** No update

- Related Links:**
- <http://www.expressindia.com/latest-news/mayors-oppose-privatisation-of-waste-management-project-govt-appoints-c&ds/568199/>

## 5. Name of Entity: Meerut Nagar Nigam

**Type of PSP:** Develop, build, finance, operate and transfer-PPP

**Features:** Construction and design services, Uttar Pradesh Jal Nigam on behalf of Meerut Nagar Nigam invites request for proposals for the development of integrated solid waste management facilities on PPP basis for generating 600 TPD on develop, build, finance, operate and finance basis for the concession period of 30 years.

It was reported by website [www.expressindia.com](http://www.expressindia.com) that the mayors of nine municipal corporations (Meerut, Allahabad, Varanasi, Jhansi, Gorakhpur, Moradabad, Aligarh, Lucknow and Mathura) are opposing privatization of the waste management and raising questions on the capability of selected firms, the mayors claim that safai workers of these municipal bodies would become unemployed after privatisation. A2Z Maintenance has been selected for carrying out the project in Meerut.

**References:**

- <http://tenders.indiamart.com/details/3688472>

**Project update:** No update

**Related Links:**

- <http://www.expressindia.com/latest-news/mayors-oppose-privatisation-of-waste-management-project-govt-appoints-c&ds/568199/>

**6. Name of Entity: Awas Bandhu, Uttar Pradesh, Housing & Urban Planning Department, Government Of Uttar Pradesh**

**Type of PSP:** DBFOT-PPP(Agra)

**Features:** Awas Bandhu, Uttar Pradesh, Housing & Urban Planning Department, Government Of Uttar Pradesh had invited request for qualification for integrated municipal solid waste management project (IMSWMP) for Agra, Uttar Pradesh on Design-Build-Finance-Operate and Transfer (DBFOT) basis under PPP mode in September 2008. GoUP invited pre-qualification from the eligible developers either on their own or in consortium of up to four members, for being shortlisted for the issue of Request For Proposal (RFP) document. Following are the scope of work:

- i. Collection of waste from individual households and its segregation into bio-degradable and non-biodegradable wastes.
- ii. Construction, operation and maintenance of MSW transfer stations including secondary transportation of waste from the transfer stations to the treatment and disposal facilities.
- iii. Development, operation and maintenance of processing facility with compost plant and any other suitable plant such as RDF, etc.
- iv. Development, operation and maintenance of sanitary landfill facility including closure of the existing dumpsite.
- v. Setting up STPs as required beyond those proposed in JNNURM
- vi. Operation and maintenance of all existing STPs and those to be setup by PPP development and also under JNNURM as required.
- vii. Any other activity needed as part of integrated solid waste management project.

The estimated cost of the project is ₹ 120 Crore and it is in bidding stage.

**References:** • <http://awas.up.nic.in/pdf/Agra/rfq-swm-agra.pdf>

**Project update:** No update

**Related Links:**

**7. Name of Entity: Construction and Design Services and Uttar Pradesh Jal Nigam( C &DS, UPJN)**

**Type of PSP:** PPP

**Features:** Construction and Design Services and Uttar Pradesh Jal Nigam have invited Request For Proposal (RFP) on PPP basis for the development of solid waste management facility for following ULB's: Barabanki, Fatehpur, Loni, Mirzapur and Jaunpur.

C & DS and UPJN has invited separate proposals from private companies for Barabanki ULB on Develop, Build, Finance, Operate and Transfer (DBFOT) basis for the following packages:

Package 1: Design, construction, renovation, procurement, operations and maintenance. Door to door collection, primary storage, secondary collection and transportation of waste including segregation of waste.

Package 2: Design, construction, operations and maintenance of waste processing plant and sanitary landfill.

**References:**

- Economic Times, 30/03/2010, Page-6
- Economic Times, Mumbai, 03/11/2010, Page-6

**Project update:** No update

**Related Links:**

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## Sewage Projects

### 1. Name of Entity: Uttar Pradesh Jal Nigam

**Type of PSP:** DBO

**Features:** IVRCL Infrastructure and Projects Ltd. bagged an order worth ₹ 287 crore from Uttar Pradesh Jal Nigam to construct a 60-mld sewage treatment plant in Allahabad under JNNURM.

The scope of the work comprises survey, design, construction, testing and commissioning of the sewerage treatment plant, construction of 10m bund wall to protect STP, supplying and laying RCC pipes, allied civil works, including construction of new sewage pumping stations at three locations and operation and maintenance.

**References:**

- Project monitor, Mumbai, November 30- December 6, 2009, Page-13.

**Project update:** No update

**Related Links:**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	0
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	3
4.	<a href="#">Sewage Projects</a>	2
	<b>Total Projects</b>	<b>5</b>

## Water Supply Projects

There are no projects in this section.

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## Sanitation Projects

There are no projects in this section.

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## Solid Waste Management Projects

### 1. Name of Entity: Dehradun Municipal Corporation

**Type of PSP:** PPP-BOT

**Features:** Dehradun Municipal Corporation has proposed construction, operation and maintenance of treatment facility and landfill as a part of JNNURM scheme through PPP. Dehradun Municipal Corporation has invited pre-qualifications from the eligible bidders either on their own or from the consortium for being shortlisted for RFP document. According to a newspaper report dated 21/4/2009, Price Waterhouse Coopers (PWC) and Nagar Nigam Dehradun have begun evaluating 6 applications received for Dehradun Solid Waste Management Project (being implemented under JNNURM). ₹ 23 crore had been sanctioned for this project. Dehradun Municipal Corporation has again invited request for proposals for Integrated Solid Waste Management on BOT basis. The project consists of door-to-door collection, transportation, waste processing and disposal of municipal solid waste. In a pre bid meeting held on June 28, 2010 the revised RFP document, circulated to the bidders.

**References:**

- [http://upppc.org/Cell/index.php?option=com\\_content&view=article&id=31:nagar-nigam-dun-rfq-swm&catid=34:housing&Itemid=39](http://upppc.org/Cell/index.php?option=com_content&view=article&id=31:nagar-nigam-dun-rfq-swm&catid=34:housing&Itemid=39)

**Project update:** No update

**Related Links:**

## **2. Name of Entity: State Infrastructure & Industrial Development Corporation of Uttarakhand Limited (SIDCUL)**

**Type of PSP:** EOI for PSP

**Features:** SIDCUL invites Expressions of Interest (EOI) from interested parties to shortlist competent parties who could subsequently bid for development of integrated waste management facilities for its Integrated Industrial Estates at Hardwar (area ~12. 03 sq kms) and Pantnagar (area ~13. 47 sq kms). The project includes primary collection, pre-transportation, storage, sorting, transportation, treatment and disposal of waste. Selected entity would be responsible for developing, operating, financing and maintaining integrated solid waste management facility under a long term concession agreement.

**References:**

- <http://www.sidcul.com/sidculweb/attachments/EOI%20for%20Solid%20Waste%20Management.doc>

**Project update:** No update

**Related Links:**

### **3. Name of Entity: Nagar Palika Parishad, Nainital**

**Type of PSP:** BOT

**Features:** Nagar Palika Parishad, Nainital has invited Request for Proposal (RFP) from private contractors for integrated solid waste management in Nainital on BOT basis. The conession period for the contract is not known.

**References:**

- <http://tenders.indiamart.com/details/432912702/>
- [http://2.imimg.com/data2/IE/TR/HTT-113/113\\_2011-03-09\\_10.png](http://2.imimg.com/data2/IE/TR/HTT-113/113_2011-03-09_10.png)

**Project update:** No update

**Related Links:**

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## Sewage Projects

### 1. Name of Entity: Uttarakhand Peyjal Nigam

**Type of PSP:** Designing, constructing, erecting, commissioning, operation and maintenance of STP's

**Features:** Uttarakhand Peyjal Nigam has invited expression of interests from private firms for designing, constructing, erecting, commissioning of six sewage treatment plants, including operation and maintenance for the period of five years. The sewage treatment plants are: Badrinath STP (3 MLD), Joshimath STPs(Marwari-1.7 MLD; Pokhari-1.6 MLD; Sunil-1.2MLD), Karanprayag STP (1.4 MLD), Rudraprayag STP (3MLD), Devprayag STP (1.4 MLD) and Gauchar STP (1.25 MLD)

**References:**

- [http://www.tendersinfo.com/members/tenders-details.php?site\\_tender\\_id=6611449%20%20search\\_id=%20%20total=%20%20increment=%20%20select=](http://www.tendersinfo.com/members/tenders-details.php?site_tender_id=6611449%20%20search_id=%20%20total=%20%20increment=%20%20select=)

**Project update:** No update

**Related Links:**

### 2. Name of Entity: Uttarakhand Peyjal Sansadhan Evam Vikas Nigam

**Type of PSP:** Constructing, erecting and commissioning of sewage treatment plants including O&M

**Features:** Ramky Infrastructure Ltd. has won an order for Rs.25.82 crore from Uttarkhand Peyjal Sansadhan Evam Vikas Nigam for constructing, erecting and commissioning of high-tech sewage treatment plants based on sequential batch reactor technology, including O&M for five years at Dehradun under Dehradun Sewerage Scheme JNNURM Programme. The tenure of completion is 12 months.

**References:**

- <http://www.rtnnews.com/Content/IndianNews.aspx?Id=1640479&SM=1>

**Project update:** No update

**Related Links:**

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**West Bengal**

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<b>S. N.</b>	<b>Particulars</b>	<b>No. of Projects</b>
1.	<a href="#">Water Supply Projects</a>	2
2.	<a href="#">Sanitation Projects</a>	0
3.	<a href="#">Solid Waste Management Projects</a>	2
4.	<a href="#">Sewage Projects</a>	1
	<b>Total Projects</b>	<b>5</b>

# Water Supply Projects

## 1. Name of Entity: Haldia Development Authority

**Type of PSP:** DBFO (Water supply distribution)-PPP

**Features:** Haldia Development Authority (HDA) and IL&FS have entered into an agreement for developing five water distribution projects in Haldia. All the projects will be developed on PPP basis comprising of plants for water treatment, sewage management, distribution, augmentation and storm water drainage. All the works related to the projects are in developmental stage.

HDA has entered into a concession agreement with a consortium consisting of JUSCO, Ranhill Utilities Berhad (Malaysia) and Infrastructure Development Finance Company Limited (IDFC) for development and operation of the Haldia water supply scheme. Each partner will hold an equal 33.33 per cent share in the SPV. Ranhill and Jusco will execute the EPC and O&M works.

The concession includes setting up of a new 25 MGD water treatment plant on a design-build-finance-operate (DBFO) basis along with operation and maintenance of 113.5 million litres per day (mld) water treatment plant for a total period of 25 years at an expected investment of about ₹ 100 crore.

The Haldia water supply project will be the first end-to-end, river-to-tap water project to be implemented in public-private partnership in India and one of the few in the world. The project will be financed on a 70:30 debt-equity ratio.

**References:**

- [www.ilfs.org](http://www.ilfs.org)

**Project update:** No update

**Related Links:**



## **2. Name of Entity: Public Health Engineering Directorate**

**Type of PSP:** Operation and maintenance

**Features:** Subhash Projects And Marketing Ltd (SPML) has won an ₹ 43.77 crore project for clear water supply to the new town Kolkata water supply circle from Public Health Engineering Directorate, Government of West Bengal. The clear water supply project from PHED, Government of West Bengal aims to provide uninterrupted supply of clear water to the entire area. The scope of work includes - surveying entire route of clear water rising main, filling up of ditches, laying of 1200 ± 6 mm dia. (internal diameter) clear water rising main from water treatment plant to booster stations and action areas with the supply of pipes and special valves. It also includes construction of three steel bridges, crossing of major arterial road by trench less technology including all other allied works completed in all respect. This will be followed by 3 months trial run and subsequent 3 (three) years operation and maintenance under new town kolkata project.

**References:**

- <http://www.mydigitalfc.com/corporate-releases/spml-wins-consolidated-orders-worth-rs-15179-crore-bihar-state-electricity-board->
- [http://spml.co.in/mediaroom/downloads/SPML\\_Newtown\\_supaul.doc](http://spml.co.in/mediaroom/downloads/SPML_Newtown_supaul.doc)

**Project update:** No update

**Related Links:**

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## Sanitation Projects

There are no projects in this section.

### Solid Waste Management Projects

#### 1. Name of Entity: Siliguri Jalpaiguri

**Type of PSP:** BOO

**Features:** Bids invited on 25 Feb. 2005 for installation of a compost plant for processing up to 300 MT of mixed municipal solid waste on BOO basis.

**References:**

- ET, Dated - 25. 02. 05

**Project update:** No update

**Related Links:**

#### 2. Name of Entity: Asansol Durgapur Development Authority

**Type of PSP:** BOOT

**Features:** The consortium of Gujarat Enviro Protection Infrastructure Ltd. and Hanjer Biotech Ltd has won the contract of implementing the solid waste management project on BOOT basis under PPP. The developer will implement the project for the period of 25 years. The estimated cost of the project is 44 Crores.

**References:**

- <http://pppindiadatabase.com/Screens/firmView.aspx?PROJECTID=wHhjqYlaZe8=&AUTHORISEDUSER=N>

**Project update:** No update

**Related Links:**

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## Sewage Projects

### 1. Name of Entity: Kolkata Metropolitan Development Authority (KMDA)

Type of PSP: BOT-PPP

**Features:** Business Standard on 09 Nov 2007 reported that a tripartite MoU was signed between the Government of West Bengal, Jusco, the utilities and services subsidiary of Tata Steel, and Voltas at Writers Buildings in Kolkata for development of the sewerage and water supply system in Salt Lake's Sector-V. A BOOT project in the water sector where a public private partnership (PPP) model has been adopted for operation and maintenance of water and sewage infrastructure for 30 years, renewable for another 30 years. The bid was made by JUSCO and Voltas jointly and was selected on competitive basis.

The total cost of project is ₹ 67.80 crore. GOI has given a grant of ₹ 23.73 crore under JNNURM (35%). BOOT operators will invest ₹ 44.07 crore (65%) in the project at the Internal Rate of Return (IRR) of 14.6% at Year 30. Water tariff will be ₹ 25/KL. Naba Diganta Industrial Township Authority (NDITA) is responsible for monitoring the implementation of the project within the command area. NDITA has entered into an agreement with the consortium partners through a special purpose vehicle (SPV) – Naba Dignata Water Mangement Company Ltd. for the project thereby, authorizing and enabling the consortium to develop, design, finance, manage, administer, operate and maintain the project by the consortium itself or through contractors.

It would also authorise the consortium to determine, demand, retain and appropriate, enforce and revise the user charges in accordance with the terms of the development agreement, viz, variation in taxes, charges, cess, duties etc. excepting direct taxes payable by SPV, tariff increase @10% every 5 years, power cost escalation >8% proportionately passed on to consumers. Variation in the input cost (@₹ 5/-per KL) at which bulk water is supplied by NDITA to the selected bidder, authorising the operator the collection of one time connection charge at ₹ 10/- per sq. ft of built-up-area of plot per connection, ensuring that extraction of ground water is completely banned in the command area after the operator is in a position to offer delivery of water to the consumers so as to enable successful implementation of the project, providing the land at a subsidised lease fee.

Jusco has declared that it would complete the work related to development and management of water distribution & sewerage system at the Nabadiganta Industrial Township Authority at Sector-V in Salt Lake City of Kolkata by July 2010.

According to a news report, the corporation needs 12 mgd of water to cater to municipalities like Salt Lake and South Dum Dum. Sector V is an added burden. At present, there is no organized water supply and sewerage systems in Sector V and several issues have cropped up. Though the

project is complete, its implementation is being delayed.

**References:**

- <http://www.business-standard.com/india/storypage.php?autono=303751>
- <http://www.financialexpress.com/news/jusco-to-complete-city-bot-project-by-july/568993/>

**Project update:**

No update

**Related Links:**

- <http://timesofindia.indiatimes.com/city/kolkata-/Water-worries-for-Sector-V/articleshow/6623125.cms>

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