

# VA TECH WABAG LTD.

**Investor Presentation** 

May 2012



## Safe Harbor

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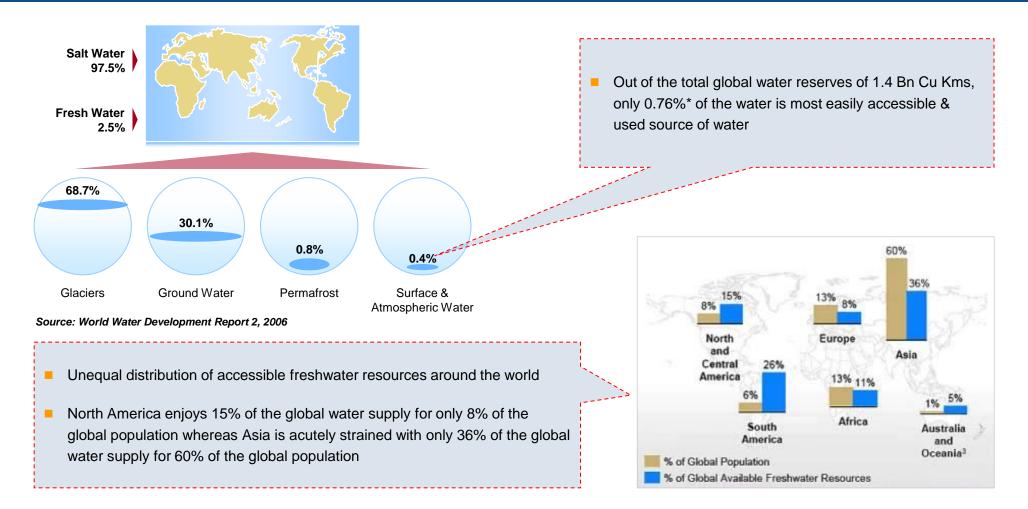


# Industry Overview





## Water: Increasingly Becoming Scarce Across the World...

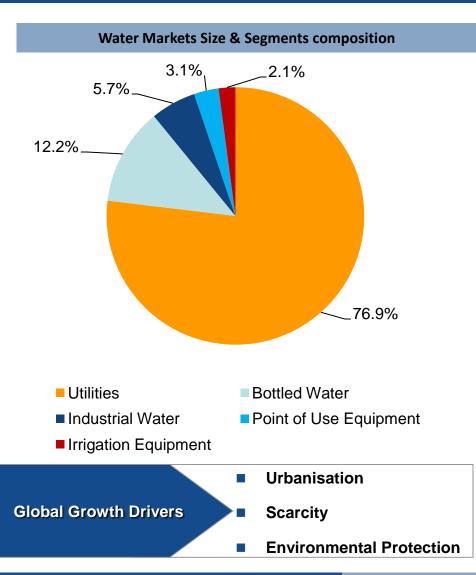


Water scarce conditions expected to double in 20 years...



\*Ground Water & Surface Water are the most easily accessible source of water (2.5%\*(30.1%+0.4%))





Global Water Markets with High Growth Potential (2010)

Country	Market Size (USD bn)
China	47.0
Saudi Arabia	8.5
India	5.9
Turkey	4.6
Russia	4.6
Switzerland	4.4
Algeria	4.0
Iran	3.8
Egypt	3.5
Indonesia	2.5
Czech Republic	2.2
Malaysia	1.7
Morocco	1.6
Romania	0.9
Tunisia	0.8



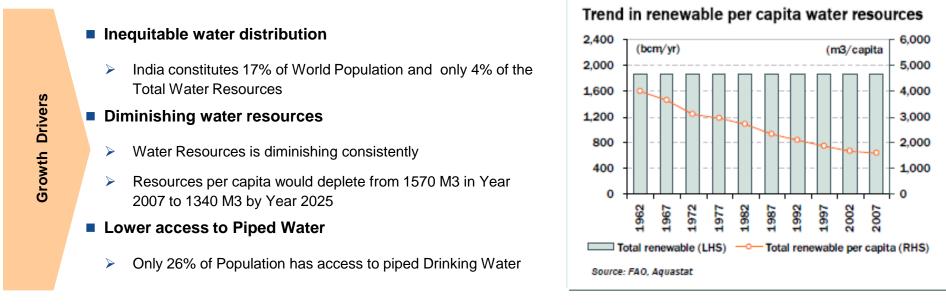
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## India faces even tougher challenges...

- Demand Supply gap of over 50% (Demand for Water to rise from 1500 BCM against a projected Supply of 740 BCM)
- Municipal and Domestic Water Demand to double and Demand from Industry will quadruple by 2030

# Key Verticals in the Water Management Industry in India Water Supply and Infrastructure Desalination Waste Water Treatment and Recycling O&M and Up-gradation





## **Increasing Government Focus on Sector**

#### Jawaharlal Nehru National Urban Renewal Mission (JNNURM) Scheme :

- Introduced by Government of India during Tenth Five Year Plan for 7 years (2006-12)
- Mission was to improve and augment the Socio-Economic Infrastructure of cities as well as affordable housing and basic services to poor
- Total Project Costs approved is Rs.109,700 crores. Government allocated Rs. 66,000 crores of which Rs. 28,650 crores has been released as at Dec 2010
- Water, Sewerage and drainage accounted for 70% of the total allocation
- Project progress under different components under JNNURM are as under,

As at Dec 2010	UIG	UIDSSMT	BSUP	IHSDP
Projects Approved	526	764	1,028,503	515,244
Projects Completed	84	123	264,965	108,416
% Completed	16.0%	16.1%	25.8%	21.0%

Since the JNNURM Scheme period expires in 2012, Government has set up High Powered Expert Committee (HPEC) to review the Progress of JNNURM and shape the design of **New Improved JNNURM (NI JNNURM)** 

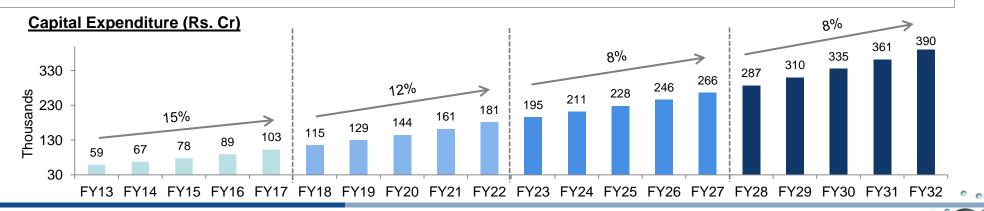


UIG: Urban Infrastructure and Governance, BSUP: Basic Services to the Urban Poor,

## Policies driving India's Investment in Water Infrastructure...

#### Major Recommendation of HPEC for New Improved JNUNRM (NI JNNURM) Scheme :

- NI JNNURM to be implemented over the next 20 years (2012-31) covering Four Five Year Plans
- Focus on Urban Infrastructure development and building Capacity to ensure the Project implementation across cities
- Capital Expenditure of Rs. 39.2 Lac crores envisaged over 20 years
  - Water, Sewerage and Waste management constitutes ~20% of the expenditure
- Operation and Maintenance Expenditure to operate and maintain the assets envisaged at Rs. 19.9 Lac crores over 20 years
  - Water, Sewerage and Waste management constitutes ~55% of the expenditure
- Focus also on Capacity Building at State and Municipal bodies and commit 5% of the total Capex
- Central Government funding to NI JNNURM to increase to 0.25% of GDP (compared to 0.10% of GDP under JNNURM)



#### Source: High Powered Expert Committee Report 2011

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## Increasing Government focus on Urban Infrastructure Development

Particulars	JNNURM	NI JNNURM HPEC Recommendation
Period	7 Years (2006-12)	20 Years (2012-31)
Scope	Restricted to selected few cities	Covers Pan India
Approach	Project based funding	Programme Approach Funding
Government Allocation	0.10% of GDP	0.25% of GDP
Capital Expenditure	Rs. 109,700 crores	Rs. 3,918,670 crores
Water Supplies, Sewerage and Waste	~70%	~20%
Operations & Maintenance Expenditure		Rs. 1,993,902 crores
Water Supplies, Sewerage and Waste	NA	~55%



## **Other Key Policies on Water Infrastructure Management**

### National Water Policy 2012 (Draft) :

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- Policy to prioritize and ensure economic usage of Water
- Focus on development of Urban Water Supplies and Sewage treatment schemes
- Encourages the Recycle and Reuse of the Water
- Develop a mechanism for implementation of Water Tariff system and incentivize the Reuse of water
- From Role of Service Provider to state of Regulator of Services
- Water related services shifted to Community/Private sector under PPP model.
- Encourage continuous Research in water sector
- Encourage Desalination in Coastal states
- Water charges to reflect full recovery of cost of Administration and O&M of water projects.

### Twelfth Five Year Plan (2012-17) Report by Steering Committee, Planning Commission in Jan 2012

- Set up for addressing the issues related to Water Resources and Sanitation in formulation of Twelfth Five Year Plan
- Increased outlay for Rural Domestic Water Supply under Twelfth Five Year Plan to Rs. 331,091 crores from Rs. 110,000 crores in Eleventh Five Year Plan

### National Ganga River Basin Authority (NGRBA) :

- Replaces the earlier Ganga Action Plan (1985) to address the Pollution problem in Ganga River Basin
- Projects to be funded by Ministry of Environment and Forests (MoEF) and backed by World Bank
- Authority to overlook states through which Ganga Flows, viz., Uttarakhand, Uttar Pradesh, Bihar, Jharkhand and West Bengal, among others
- Resolution that no untreated municipal sewage and industrial effluents discharged in River Ganga by year 2020





# Our Company





## **Complete Water Treatment Solution Provider...**

- Provides a complete range of Water and Waste Water Treatment solutions
  - Offers complete life cycle solutions ranging from project design to installation to operations & maintenance
  - Spanning municipal drinking water, municipal sewage, Industrial water, effluents to a clientele
- Technology focused company
  - R&D centers located in India, Austria and Switzerland. Owns 99 patents and applied for 24 patents
- Multinational player in the water treatment industry
  - Market presence in India, Middle East, North Africa, Central & Eastern Europe, China and South East Asia
- Strong execution track record
  - More than 2250 projects in last 3 decades
- Professionally managed Company
  - Promoters having an average of 20 years work experience in the industry
- Order book of Rs. 37.3 bn as of March 31, 2012



**Geneva, Switzerland** Lake water treatment, Drainage filter system, 260,000 m<sup>3</sup>/d



**Chirita, Romania** Comprehensive rehabilitation & extension, 99,360 m<sup>3</sup>/d





## Led by ambitious professionals ...



#### Rajiv Mittal (Promoter) – Managing Director

- 27 years of work experience in the Water Industry
- Previously worked with Wabag Water Engineering Limited, UK as a Deputy Director - International sales



#### Shiv Narayan Saraf (Promoter)- Head of Operations

- 39 years of experience in the water industry; worked previously with Ion Exchange India Limited
- Responsible for construction management of all projects of all SBUs



#### Amit Sengupta (Promoter)–Head of Corporate Strategy & Marketing

- 33 years of experience; worked previously with Kirloskar AAF
- Responsible for devising & implementing corporate strategies for growth, technology acquisitions & licensing & synergizing strengths within Wabag Group



#### S. Varadarajan (Promoter) - CFO

- 25 years of work experience; worked previously with PL Agro Technologies Limited as Finance Manager and Company Secretary
- In charge for finance, commercial, legal, secretarial, information technology, income tax and general administration functions



#### Rahul Jaiswal - Head of Desalination Business Group SBU

- 31 years of experience in Manufacturing and EPC industry including last 21 years in Water Treatment Industry in Australia
- Extensive experience in membrane technology including RO & UF membranes
- Responsible for Middle East, South Asia & Asia Pacific regions





Erik P. Gothlin – CEO, Wabag Austria

Previously held various management positions in Westermo Teleindustri, Sweden, ABB, and Chromalox Group as Managing Director - International for United Kingdom, France and China



#### Shanti Sharma – CFO, Wabag Austria

- 26 years of experience; During this time he was responsible for all finance and adminstration related issues in various functions for Water Treatment (Biwater), Electronic, IT and Chemical equipment Manufacturing.
- Responsible for finance and accounts, legal, information technology and administration

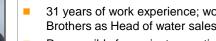


#### Gerhard Ryhiner - CEO, Wabaq Wassertechnik, Switzerland

- 20 years of work experience; worked previously with Sulzer Brothers as Head of the wastewater department
- Responsible for Sales, finance and administration including human resources, guality management and health safety and environment



Arnold Gmuender – COO, Wabag Wassertechnik, Switzerland



- 31 years of work experience; worked previously with Sulzer Brothers as Head of water sales.
- Responsible for project execution and research and development.

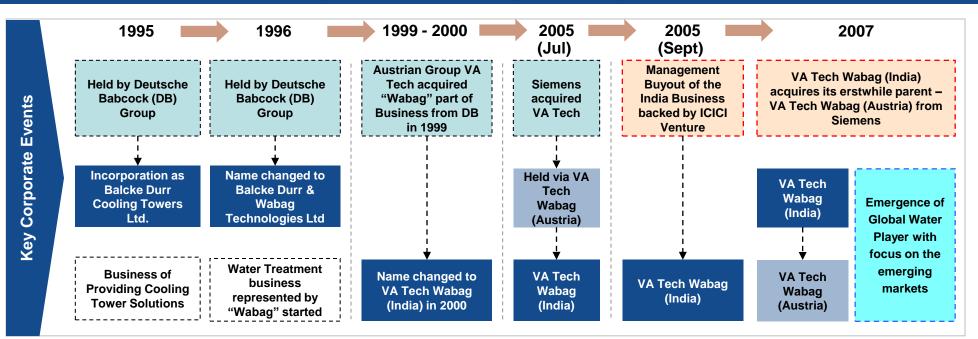


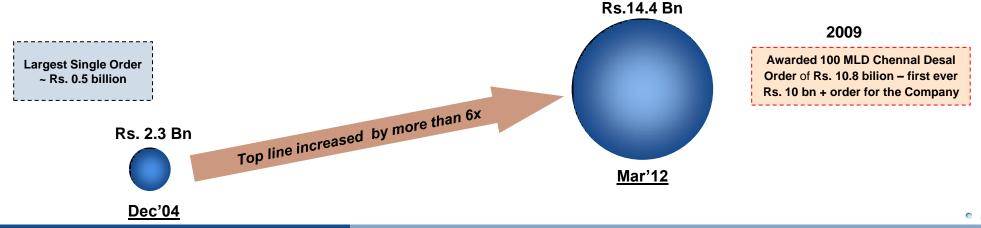
- Lubomir Nemec CEO, Wabag Czech
- 22 years of work experience in the Energy & Industry Sector; worked previously with Siemens as Branch Office Director, Brno
- Responsible for overall business activities in WABAG Czech





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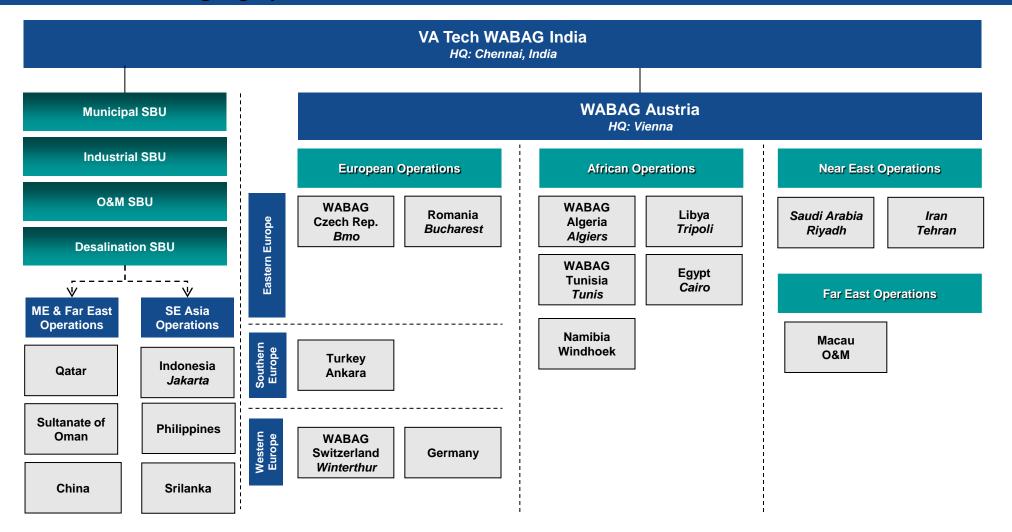


# **Our Business**





## Presence across geographies...





## Offering a complete range of solutions in water space...

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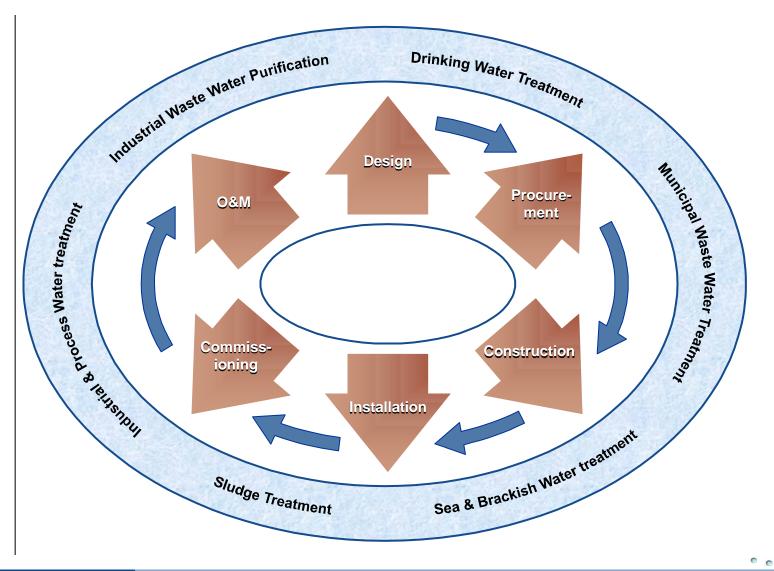
Sewage Water Treatment	<ul> <li>Activated Sludge Process ("ASP")</li> <li>Sequential Batch Reactors ("SBR")</li> <li>Membrane Bio Reactor ("MBR")</li> <li>Membrane Bed Bio Reactor ("MBBR")</li> </ul>	<ul> <li>Upflow Anaerobic Sludge Blanket Reactor ("UASB")</li> <li>Bio Active Fixed Film Technology ("BAFF")</li> <li>Submerged Membrane System</li> <li>Stabilization Pond</li> </ul>
Drinking Water Treatment	<ul><li>Aeration</li><li>Sedimentation</li><li>Filtration</li></ul>	<ul><li>Disinfection</li><li>Sludge Dewatering</li></ul>
Industrial Water Treatment	<ul> <li>Raw water pre treatment</li> <li>Filtration Plants</li> <li>Nano Filtration/ Ultra filtration</li> <li>Softening Plants</li> </ul>	<ul> <li>Thermal Desalination of sea water treatment</li> <li>Demineralization</li> <li>Zero Liquid Discharge</li> <li>Tertiary Treatment System/ Effluent Recycling</li> </ul>
Industrial Wastewater Treatment	<ul> <li>Physico Chemical Treatment – Oil Removal</li> <li>Neutralization and primary sedimentation an</li> <li>Biological anaerobic treatment – UASB</li> <li>Tertiary Treatment – activated carbon/ sand</li> </ul>	nd grit removal
Desalination	<ul> <li>Multi Stage Flash</li> <li>Multi-effect Distillation</li> <li>Thermal Vapor Compression</li> </ul>	<ul><li>Mechanical Vapor Compression</li><li>Reverse Osmosis and Electro dialysis</li></ul>
Recycling	<ul><li>Micro filtration</li><li>Membrane Bio Reactors</li></ul>	<ul><li>Micro filtration</li><li>Membrane Bio Reactors</li></ul>





## across project lifecycle...

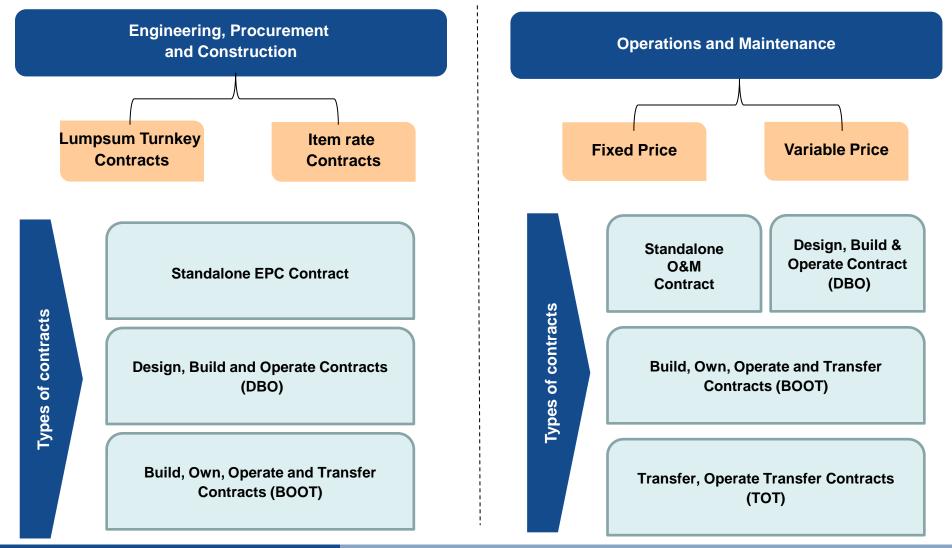
- Focused solely on water
- Primarily catering to Municipal, & also to Industrial customers
- Offerings span across segments of water treatment
- Range of services from concept / design stage to implementation to running the operations







## ...through various business / delivery models







# **Technology and R&D**





## Use of Advanced Technology & R&D...

Advanced Technology & Patented Products/Processes

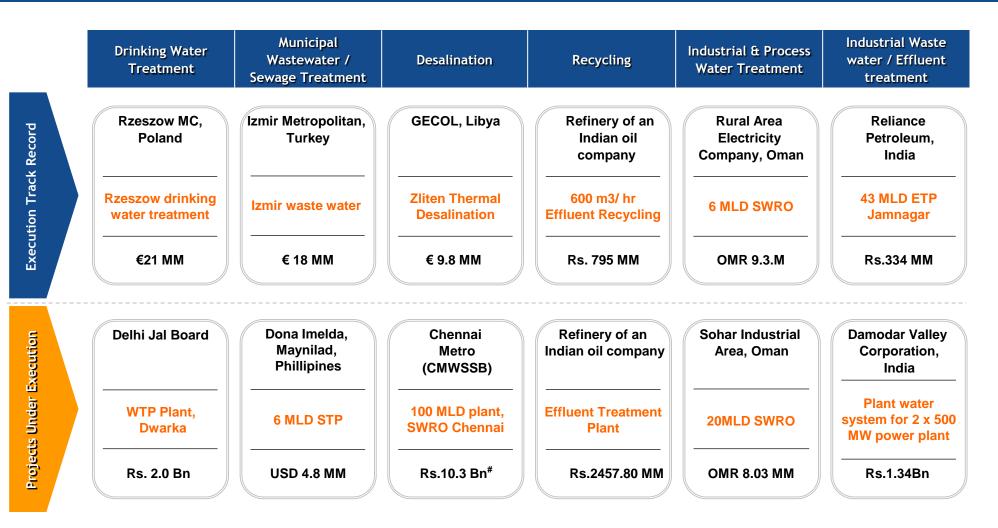
### In high quality treated water, the technology can potentially be a deciding factor

Biological Aerobic Treatment	Sludge Treatment	Anaerobic Digestion	Coagulation	Flocculation		Scarcity eradication would require Water Re-use and Desalination
De-min	Disinfection	Filtration	Sedimentation	RO	Customized solutions	¥
Thermal Desal	Screening	lon Exchange	Ozone Treatment	UV Treatment	employing in-house tech	Water Re-use and Desalination projects are Highly Complex and large in magnitude
					•	↓
Fluidized bed biology	<b>Bio-filtration</b>	Activated Sludge Processes	Biological Anaerobic Treatments	Membrane Bioreactor	Patents owned for select	Technology and cost efficiencies are the key differentiators.
Membrane	De	Oxidation	Chudere D		products/ processes	
Filtration	Nitrification	Processes	Sludge D	igestion	_ ↓ ↓	
						WABAG : Global Technology & Local Cost
			-			

Project in Muscat		State-of-the-art membrane based bio reactors. Achieves filter water quality standards for re-use purposes. In a country which has scarce water resource, this project enables client to reuse water for other purposes (irrigation, construction, etc.)
BeiXiaoHe WWTP (China)	•	Produces recycled water for the Olympic Park in Beijing. Employs membrane bioreactor plant fitted with state-of- the-art technology for the reuse of cleaned wastewater. New plant guarantees environment friendly water reuse
Southern WWTP Tehran	•	Carbon and partial nutrient removal using activated sludge process, trickling filters and applying anaerobic sludge digestion. Enables coverage of 80% of plant's electricity needs through use of biogas

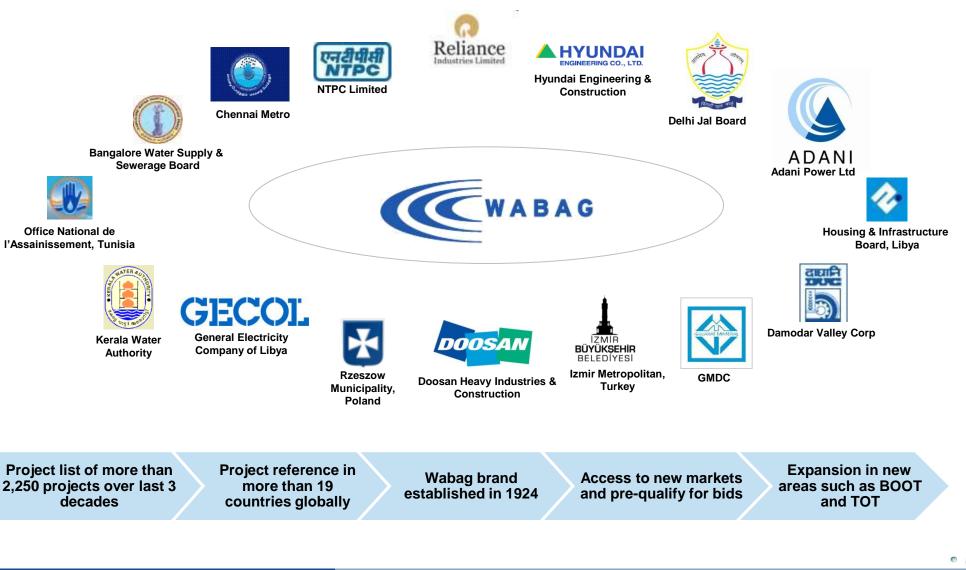


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## **World Recognized Brand with Marquee Reference List**







# **Growth Strategies**





## Well positioned to capture opportunities...

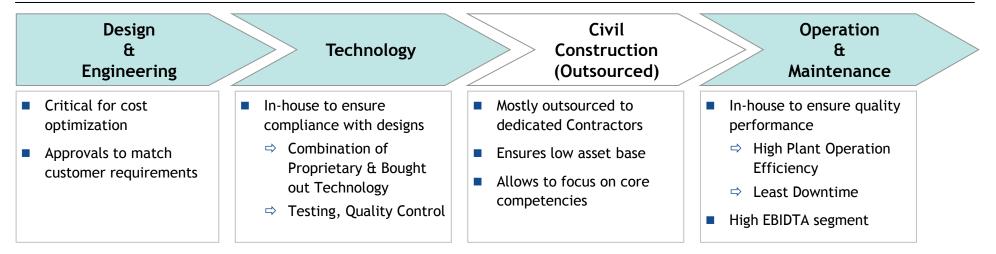
### Our Strengths...

- Ability to handle large and complex projects
- Execution skill for high value projects
- Strong Balance Sheet
- Strong execution and track record

### World recognized brands with marquee reference

- Recognized Brand in water space since 1924
- Project list of more than 2250 projects in last 3 decades
- Presence in more than 19 countries across globe
- Access to new market and pre-qualify for bids

### Focus on 'Value-Added & High Margin' work processes; Limits investment in Asset Base



Asset Light Business model...facilitates quicker scale up with Higher ROCE



## with strategy to maintain growth momentum and margin expansion...

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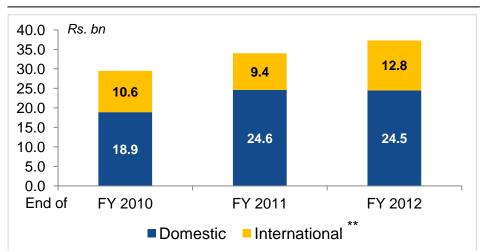
WABAG	International Operations Consolidation	<ul> <li>Strengthen presence in the already present geographies by leveraging the brand name and execution capabilities to attract new clients and win new projects</li> <li>Deliver quality in a cost efficient manner by using indigenous labor and skills</li> <li>Enter into partnerships/ alliances with local partners to understand local markets better and build on in-house capabilities</li> <li>Empower International subsidiaries by decentralization and strengthen their execution capabilities</li> <li>Empowering local management teams to fully utilize their knowledge of the local markets in growing sales and improving profitability</li> </ul>
	Improving Profitability	<ul> <li>Exploiting significant synergies with International Group companies in the areas of engineering and procurement</li> <li>Centralized engineering assistance from India</li> <li>Low cost sourcing model via global procurement policy</li> <li>Emphasis on the higher margin O&amp;M Segment</li> <li>Increase the proportion of revenues from this segment to improve our overall profitability</li> </ul>
	Business Expansion	<ul> <li>Product &amp; Services Expansion         <ul> <li>Expand presence in newer form of contracts such BOOT &amp; TOT projects</li> </ul> </li> <li>Entry into newer geographies         <ul> <li>Expansion into newer high growth markets to exploit opportunities</li> </ul> </li> <li>Inorganic Expansion by acquiring companies         <ul> <li>Having better treatment technology or reference list of projects</li> <li>Complementing existing product &amp; services portfolio</li> </ul> </li> </ul>



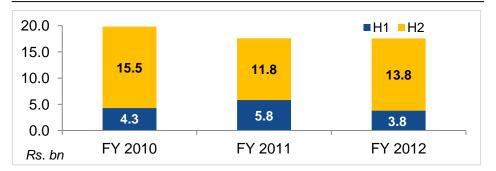
## ...consistently growing order book

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### **Order Intake**



#### **Key Contracts**

- Chennai Desalination Project : Rs. 5.96 bn
- Water Treatment Plant & distribution system, Sri Lanka : Rs. 2.5 bn
- APGENCO for Kakatiya and Rayalaseema BoP : Rs.2.2 bn
- 195 MLD WTP for Ulhasnagar Municipal Corporation with O&M for 30 years . EPC Rs.1 bn and O&M Rs. 2.3 bn <sup>@</sup>
- Delhi Jal Board : Rs. 3.8 bn
- Madinah STP, Saudi Arabia : Rs. 1.1 bn
- Seiverek STP, Turkey Rs. 434 mn

### **Key Framework Contracts\***

- 192 MLD WTP for Aurangabad Municipal Corporation with 17 years O&M
  - > EPC Rs. 550 mn and Rs. 720 mn for O&M
- EPC Order in Choutrana municipality, Tunisia of EUR 6 mn
- EPC Order at Benni Messous Ext, Algeria of EUR 6.8 mn
- Libya Order EUR 90 mn

### Current Firm Order book of Rs. 37.3 bn, Framework Contracts of Rs. 8.3 bn

\* Contracts wherein Advance Monies/ LC awaited; \*\* At year end exchange rate ; @ This excludes Power component which will be Pass through





# **Financial Performance**





## **Consolidated : Profit & Loss Highlights**

Rs. Millions	Q4 FY 12	Q4 FY 11	YoY %	FY 12	FY 11	YoY %
Income	6,744	5,099	32%	14,435	12,418	16%
Expenses *	5,837	4,266		13,135	11,208	
EBITDA	907	833	9%	1,300	1,210	7%
EBITDA margin	13.4%	16.3%		9.0%	9.7%	
Interest & Finance Charges (Net)	36	27		104	148	
Depreciation & Amortization	24	16		86	100	
Exceptional Items	-	129		-	129	
Тах	249	202		379	316	
Share of Profit from Associates & MI	6	-		6	8	
Profit After Tax	604	459	31%	737	526	40%
PAT margin	8.9%	9.0%		5.1%	4.2%	

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\* Expenses for FY12 includes impact of Rs. 66 mn for Provision of Variable Pay of FY 12



## **Consolidated Balance Sheet Highlights**

### **Balance Sheet**

Rs. Millions	Mar 12	Mar 11
Shareholder's Fund		
Share capital	53	53
Reserves & Surplus	6,367	5,657
Minority Interest	10	-
Non-current liabilities		
Long term borrowings	4	3
Other non-current liabilities	776	536
Current liabilities		
Short term borrowings	1,244	424
Trade Payables	6,576	4,919
Other current liabilities	2,710	2,439
Total Liabilities	17,740	14,031
Non-current assets		
Fixed assets	688	561
Other non-current assets	980	763
Current assets		
Inventories	499	736
Trade receivables	10,926	7,044
Cash and bank balances	3,383	3,245
Other current assets	1,264	1,682
Total Assets	17,740	14,031

### **Working Capital Highlights**

Rs. Millions	Mar 12	Mar 11
Inventories	499	736
Trade receivables	10,926	7,044
Cash and bank balances	3,383	3,245
Other current assets	1,264	1,682
Total (A)	16,072	12,707
Short term borrowings	1,244	424
Trade Payables	6,576	4,919
Other current liabilities	2,710	2,439
Total (B)	10,530	7,782
Net Working Capital (NWC)	5,542	4,925
NWC - Net of Cash	2,159	1,680

Cash & Cash Equivalents of Rs. 3.98 bn as at Mar. 12





## Standalone : Profit & Loss Highlights

Rs. Millions	Q4 FY 12	Q4 FY 11	YoY %	FY 12	FY 11	YoY %
Income	5,204	3,563	46%	10,035	7,335	37%
Expenses *	4,450	2,974		8,881	6,442	
EBITDA	754	589	32%	1154	893	29%
EBITDA margin	14.5%	16.5%		11.5%	12.2%	
Interest & Finance Charges (Net)	6	-13		-3	-4	
Depreciation & Amortization	15	11		57	59	
Тах	232	200		349	285	
Profit After Tax	501	391	34%	751	553	36%
PAT margin	10.0%	11.0%		7.5%	7.5%	

\* Expenses for FY12 includes impact of Rs. 66 mn for Provision of Variable Pay of FY 12





## Annexures



## ANNEX - I: Order Book Backlog of Rs. 37.3 bn & Framework Contracts of Rs. 8.3 bn

ORDER BOOK	EF	2C	O	Total	
Rs. Millions	Municipal	Industrial	Municipal	Industrial	TOTAL
Wabag India	8,481	4,670	10,770	599	24,521
Wabag Overseas	9,186	1,365	1,935	308	12,793
Total	17,667	6,035	12,705	907	37,314

### Key Contracts in Order Book

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- Chennai Desalination Project : Rs. 5.96 bn
- Water Treatment Plant & distribution system, Sri Lanka : Rs. 2.5 bn
- APGENCO for Kakatiya and Rayalaseema BoP : Rs.2.2 bn
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### **Key Framework Contracts\***

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Contracts wherein Advance Monies/ LC awaited, hence not taken in Order Book
 This evolution Rever component which will be Recent through

@ This excludes Power component which will be Pass through



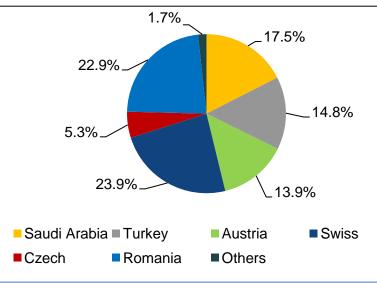
## ANNEX – II: Fresh Contracts of Rs. 18.6 bn in FY 2012

FRESH CONTRACTS Rs. Millions		ORDER	Incremental Framework	Total		
	EPC				O&M	
	Municipal	Industrial	Municipal	Industrial	Contracts*	
Wabag India	5,111	956	3,733	521	-	10,321
Wabag Overseas	5,129	620	1,073	595	875	8,292
Total	10,240	1,576	4,805	1,116	875	18,613

### Key Contracts added in FY12

- 195 MLD WTP for Ulhasnagar Municipal Corporation with O&M for 30 years . EPC Rs.1 bn and O&M Rs. 2.3 bn <sup>@</sup>
- Order from Delhi Jal Board of Rs. 250 Crores for Construction of 20MGD STP on DBO basis at Pappankalan Phase-II in New Delhi. EPC portion is Rs. 170 Crores and Balance is Operations and Maintenance (O&M) for 10 years
- New Sewage Treatment Plant order for the city of Madinah in Saudi Arabia for EUR 15.4 mn

**Overseas Order Intake in FY12** 



@ This excludes Power component which will be Pass through

\* Contracts wherein Advance Monies/ LC awaited, hence not taken in Order Book



## ANNEX – III: Revenue breakup – Full Year : FY 2012

Rs. Millions	EPC	;	O&M		Total
	Municipal	Industrial	Municipal	Industrial	Total
Wabag India	5,235.7	4,132.8	335.6	296.9	10,001.0
Wabag Overseas	2,212.6	775.5	769.0	623.9	4,381.0
Total	7,448.3	4,908.3	1,104.6	920.8	14,382.0

#### Key Projects contributor to Revenue

- Chennai Desalination Project : Rs. 2,115 mn
- Dambulla Municipality Project : Rs. 1,480 mn
- IOCL Paradip Project for total water management : Rs.1,413 mn
- APGENCO Project : Rs. 701 mn
- Delhi Jal Board: Rs. 517 mn
- Projects in Iran: Shiraz Project : Rs. 473 mn and Tehran Project of Rs. 333 mn
- Others includes KMDA BALLY : Rs. 198 mn, KWA Cherthala : Rs. 185 mn and DVC Kolkata : Rs. 151 mn





# For further information, please contact

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