

# **VA TECH WABAG**

Investor Presentation
May 2013





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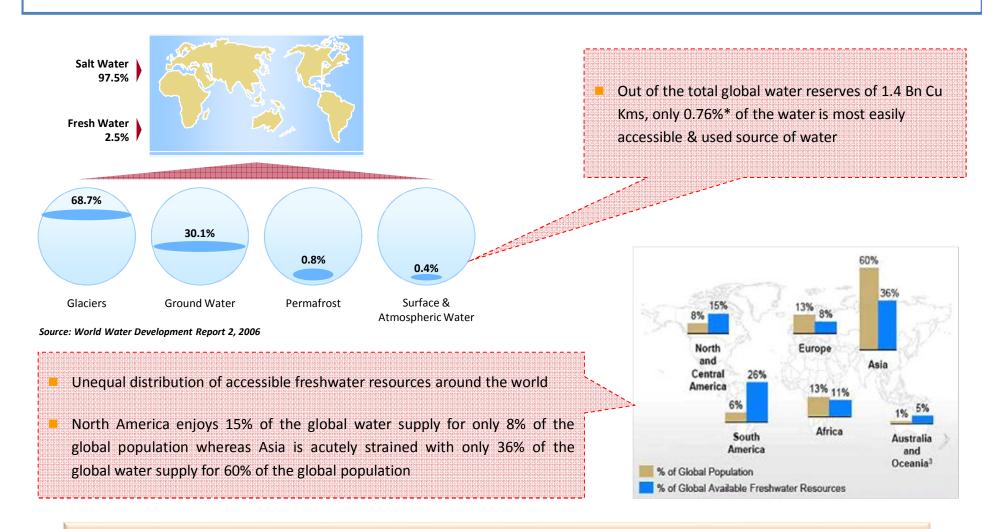
## **INDUSTRY OVERVIEW**



Reservoir water treatment, multi-barrier, 95,000 m3/d



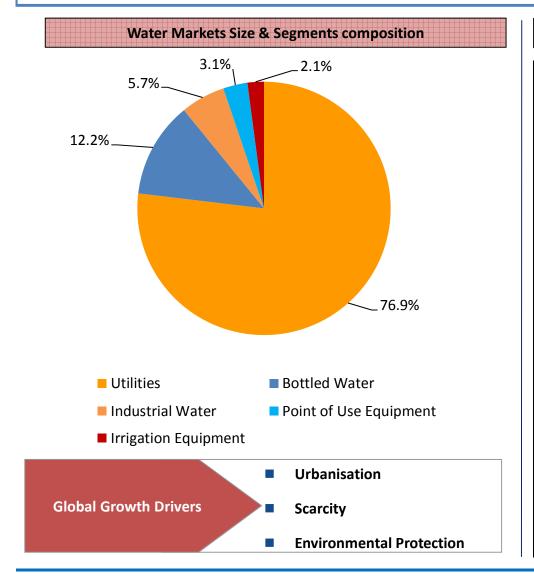
### Water: Increasingly Becoming Scarce Across the World...



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



## Large investments across globe for eradication of scarcity



#### 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



### 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

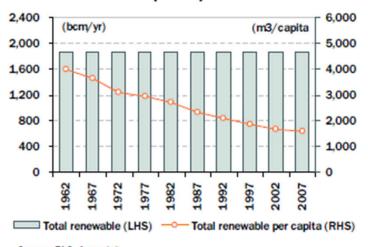
Desalination

Waste Water Treatment and Recycling

O&M and Up-gradation

- Inequitable water distribution
  - India constitutes 17% of World Population and only 4% of the Total Water Resources
- Diminishing water resources
  - Water Resources is diminishing consistently
  - Resources per capita would deplete from 1570 M3 in Year 2007 to 1340 M3 by Year 2025
- Lower access to Piped Water
  - Only 26% of Population has access to piped Drinking Water

#### Trend in renewable per capita water resources



Source: FAO, Aquastat

**Growth Drivers** 

#### **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)

Source: High Powered Expert Committee Report 2011

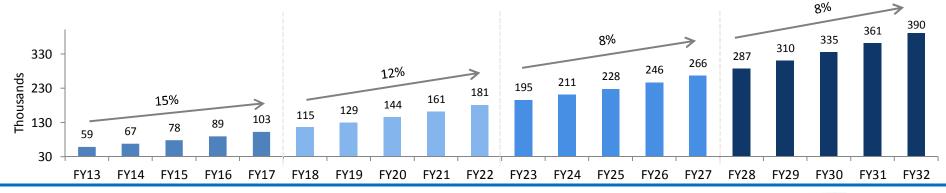


## Policies driving India's Investment in Water Infrastructure...

#### 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)

#### Capital Expenditure (Rs. Cr)





## **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	NA	Rs. 1,993,902 crores	
- Water Supplies, Sewerage and Waste	IVA	~55%	

Source: High Powered Expert Committee Report 2011



## Other Key Policies on Water Infrastructure Management

#### National Water Policy 2012 (Finalized and adopted in December 2012):

- 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

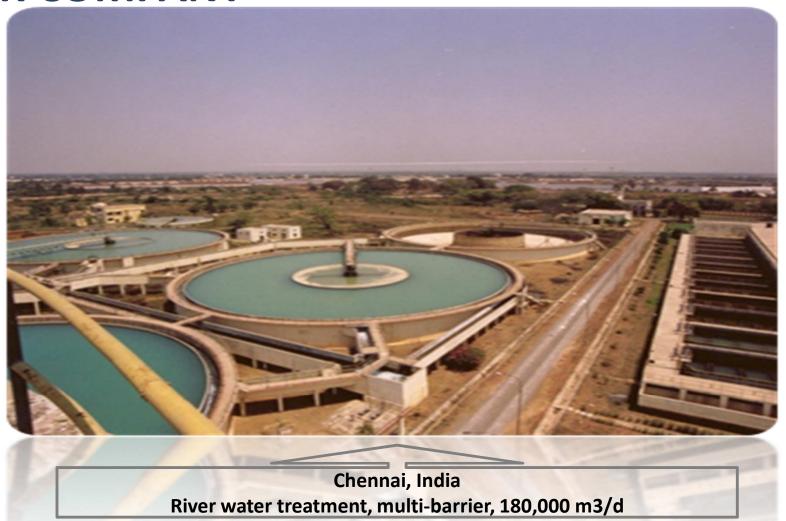
- Set up for addressing the issues related to Water Resources and Sanitation in formulation of Twelfth Five Year Plan
- Increased outlay for Rural Domestic Water Supply under Twelfth Five Year Plan to Rs. 331,091 crores from Rs. 110,000 crores in Eleventh Five Year Plan

#### 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



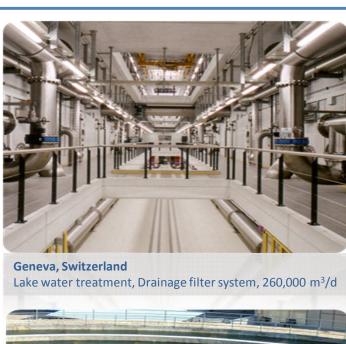
# **OUR COMPANY**





## **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 more than 100 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. 42.8 bn as of March 31, 2013





**Chirita, Romania**Comprehensive rehabilitation & extension, 99,360 m³/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

- 19 years of Work Experience in the Industry
- 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, Wabaq 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, Wabag 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, quality management and health safety and environment



Arnold Gmuender – COO, Wabaq 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.

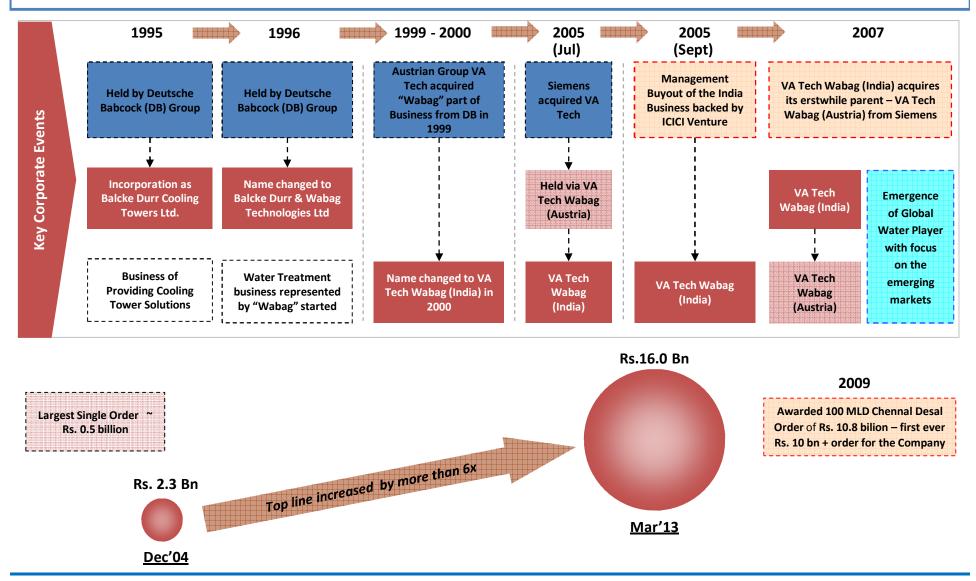


Lubomir Nemec - CEO, Wabag Czech

- 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



## Grown business six fold in six years after a Management Buy-out



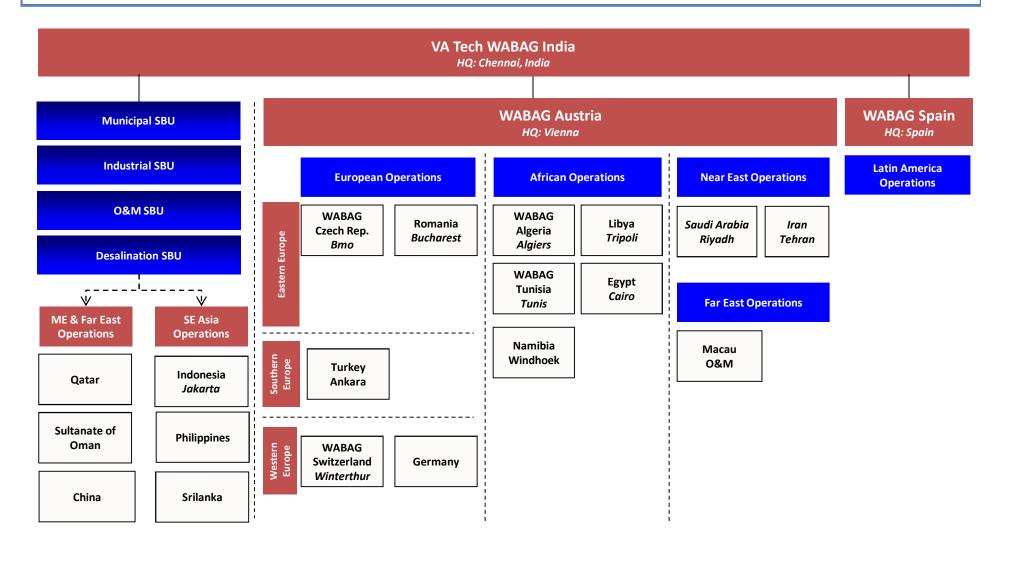


# **OUR BUSINESS**





## Presence across geographies...





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

Sewage Water Treatment

Drinking Water Treatment

Industrial Water Treatment

- Activated Sludge Process ("ASP")
- Sequential Batch Reactors ("SBR")
- Membrane Bio Reactor ("MBR")
- Membrane Bed Bio Reactor ("MBBR")
- Upflow Anaerobic Sludge Blanket Reactor ("UASB")
- Bio Active Fixed Film Technology ("BAFF")
- Submerged Membrane System
- Stabilization Pond

- Aeration
- Sedimentation
- Filtration

- Disinfection
- Sludge Dewatering

- Raw water pre treatment
- Filtration Plants
- Nano Filtration/ Ultra filtration
- Softening Plants

- Thermal Desalination of sea water treatment
- Demineralization
- Zero Liquid Discharge
- Tertiary Treatment System/ Effluent Recycling

Industrial Wastewater
Treatment

- Physico Chemical Treatment Oil Removal system using DAF/ API/ CPI seperators
- Neutralization and primary sedimentation and grit removal
- Biological anaerobic treatment UASB
- Tertiary Treatment activated carbon/ sand filtration, disinfection

**Desalination** 

- Multi Stage Flash
- Multi-effect Distillation
- Thermal Vapor Compression

- Mechanical Vapor Compression
- Reverse Osmosis and Electro dialysis

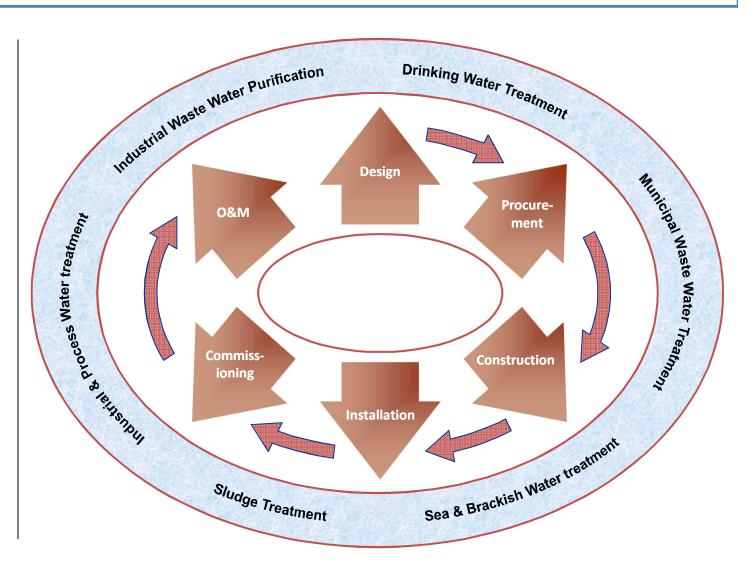
Recycling

- Micro filtration
- Membrane Bio Reactors



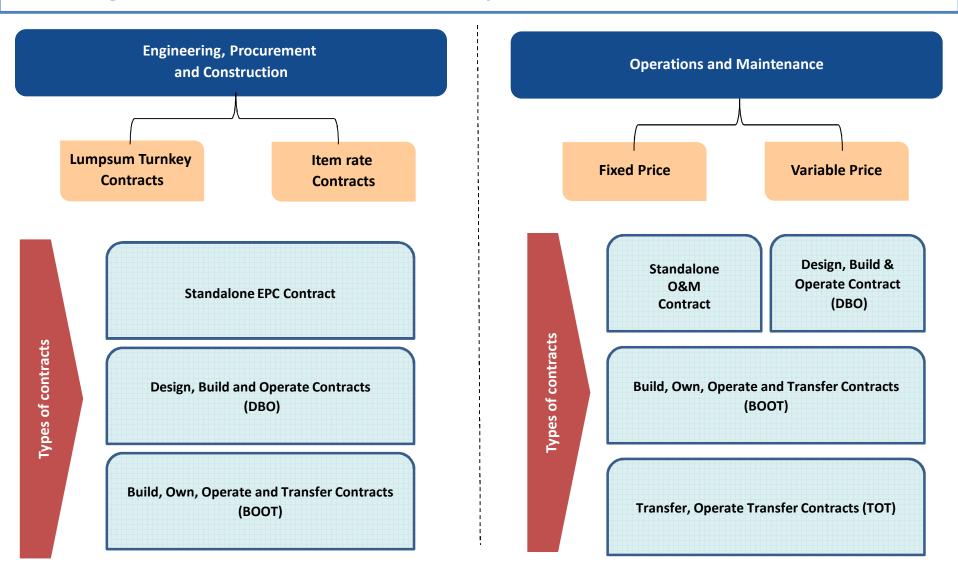
## across project lifecycle...

- 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**



Adana, Turkey
Wastewater Treatment, 210,000 m3/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

				1	<del>1</del>									
Biological Aerobic Treatment	Sludge Treatment	Anaerobic Digestion	Coagulation	Flocculation		Scarcity eradication would require Water Re-use and Desalination								
De-min	Disinfection	Filtration	Sedimentation	RO		<b>↓</b>								
Thermal Desal	Screening	Ion Exchange	Ozone Treatment	UV Treatment	Customized solutions employing in-house tech	Water Re-use and Desalination projects are Highly Complex and large in magnitude								
					. ▼	<b>↓</b>								
Fluidized bed biology	Bio-filtration	Activated Sludge Processes	Biological Anaerobic Treatments	Membrane Bioreactor	Patents owned for select	Technology and cost efficiencies are the key differentiators.								
Membrane	De	Oxidation	Sludge D	laction	ligastian	igostion	igostion	iacetien	Dissortion	Digastian	Studge Digestion	Sludge Digestion	products/ processes	
Filtration	Nitrification	Processes	Situage D	rigestion	<del> </del>	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



# ...provides edge in securing landmark projects across segments

	Drinking Water Treatment	Municipal Wastewater / Sewage Treatment	Desalination	Recycling	Industrial & Process Water Treatment	Industrial Waste water / Effluent treatment
Record	Rzeszow MC, Poland	Izmir Metropolitan, Turkey	GECOL, Libya	Refinery of an Indian oil company	Rural Area Electricity Company, Oman	Reliance Petroleum, India
Execution Track Record	Rzeszow drinking water treatment	Izmir waste water	Zliten Thermal Desalination	600 m3/ hr Effluent Recycling	6 MLD SWRO	43 MLD ETP Jamnagar
Execu	€21 MM	€ 18 MM	€ 9.8 MM	Rs. 795 MM	OMR 9.3.M	Rs.334 MM
xecution	Delhi Jal Board	Dona Imelda, Maynilad, Phillipines	Chennai Metro (CMWSSB)	Refinery of an Indian oil company	Sohar Industrial Area, Oman	Damodar Valley Corporation, India
Projects Under Execution	WTP Plant, Dwarka	6 MLD STP	100 MLD plant, SWRO Chennai	Effluent Treatment Plant	20MLD SWRO	Plant water system for 2 x 500 MW power plant
Projec	Rs. 2.0 Bn	USD 4.8 MM	Rs.10.3 Bn#	Rs.2457.80 MM	OMR 8.03 MM	Rs.1.34Bn



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









Hyundai Engineering & Construction









Bangalore Water Supply & **Sewerage Board** 



Office National de l'Assainissement, Tunisia





















Project list of more than 2,250 projects over last 3 decades

Project reference in more than 19 countries globally

Wabag brand established in 1924

Access to new markets and pre-qualify for bids

**Expansion in new areas** such as BOOT and TOT



# **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

# Design & Engineering

Critical for cost

Approvals to match

optimization

customer

requirements

## Technology

- In-house to ensure compliance with designs
  - Combination of Proprietary & Bought out Technology
  - Testing, QualityControl

Construction (Outsourced)

Civil

- Mostly outsourced to dedicated Contractors
- Ensures low asset base
- Allows to focus on core competencies

- Operation
  &
  Maintenance
- In-house to ensure quality performance
  - High Plant Operation Efficiency
  - Least Downtime
- High EBIDTA segment

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



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

# International Operations Consolidation

- Strengthen presence in the already present geographies by leveraging the brand name and execution capabilities to attract new clients and win new projects
- Deliver quality in a cost efficient manner by using indigenous labor and skills
- Enter into partnerships/ alliances with local partners to understand local markets better and build on in-house capabilities
- Empower International subsidiaries by decentralization and strengthen their execution capabilities
- Empowering local management teams to fully utilize their knowledge of the local markets in growing sales and improving profitability



# Improving Profitability

- Exploiting significant synergies with International Group companies in the areas of engineering and procurement
  - Centralized engineering assistance from India
  - Low cost sourcing model via global procurement policy
- Emphasis on the higher margin O&M Segment
  - Increase the proportion of revenues from this segment to improve our overall profitability

#### Business Expansion

- Product & Services Expansion
  - Expand presence in newer form of contracts such BOOT & TOT projects
- Entry into newer geographies
  - Expansion into newer high growth markets to exploit opportunities
- Inorganic Expansion by acquiring companies
  - Having better treatment technology or reference list of projects
  - Complementing existing product & services portfolio



#### Order Book of Rs. 42.8 Bn & Framework Contracts of Rs. 10.9 Bn

#### **Key Contracts in Orderbook**

Project Details	Amt [Rs. Bn]
<ul><li>Nemmeli Desalination Project, Chennai</li></ul>	5.0
■ 191MLD SWRO–Al Ghubrah, Oman	3.8
<ul> <li>195 MLD WTP for Ulhasnagar Municipal Corporation with O&amp;M for 30 years</li> </ul>	2.3
<ul> <li>Bangalore Water Supply and Sewerage Board</li> </ul>	2.0
<ul> <li>Water Treatment Plant &amp; distribution system, Sri Lanka</li> </ul>	1.7
<ul> <li>Waste Water Treatment Plant in Philippines</li> </ul>	1.3
■ Reliance ETP Project	0.7

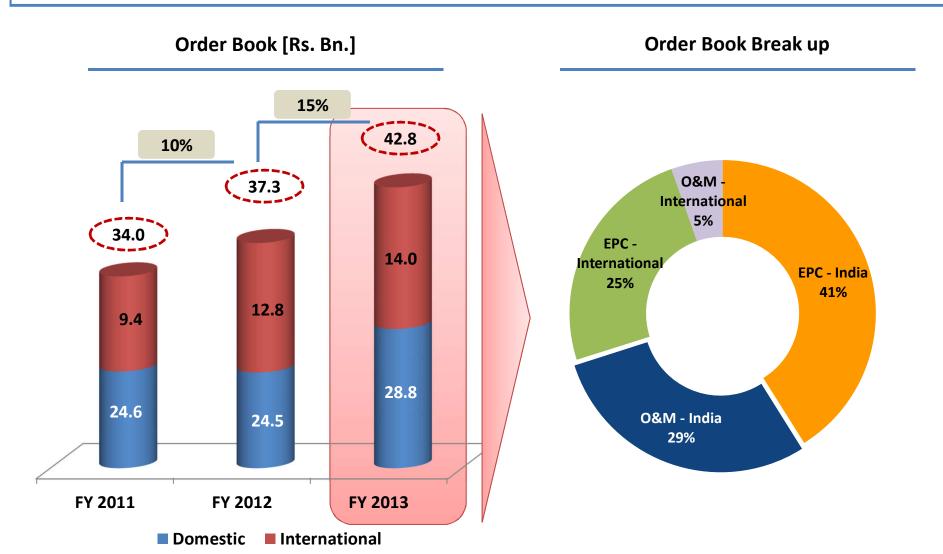
#### **Key Framework Contracts \***

- 192 MLD WTP for Aurangabad Municipal Corporation with 17 years O&M EPC Rs. 550 mn and Rs. 720 mn for O&M
- Libya Order of EUR 90 mn
- Madinaty, Egypt Order of Rs. 1.1 bn
- Chennai Metropolitan Project of Rs. 1.1 bn



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

## **Consistently growing Order book**





## Successful Commissioning of Nemmeli (Chennai) Desalination Plant

Key highlight of the Project

Total Area of the plant : 81,000 sq. m

Configuration: 100,000 cu.m / day, RO

Operation and Maintenance : For 7 years

Raw water quality: 40,000 ppm (TDS)

Product water quality : 300 ppm (TDS)

- Successfully commissioned Project in less than 36 months despite of many project related challenges
- Hon'ble Chief Minister of Tamil Nadu inaugurated plant in Feb 13
  - Announced Capacity Expansion at the same location
- Water supply from the plant has begun, taking care of 10-12% of the city's requirement

**Important reference point in Desalination Business** 







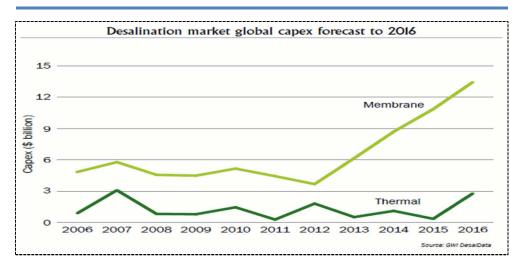
#### **Sumitomo Order - Strengthens Wabag's Position in the Segment**

#### 191 MLD Desalination Plant in Oman

- Wabag along with Cadagua (Spain) & Gulfar (Oman) awarded EPC and O&M of the Project
  - Project modeled on BOOT basis to consortium of Sumitomo (Japan) & Malakoff (Malaysia) and Cadagua (Spain)
- Project to be executed in 24 months
  - Engineering and Procurement work already commenced in Dec 12

Strengthen WABAG's Position in fastest growing segment

#### **Projected Growth in Desalination Market**



**India – Focusing on Desalination** 

- Desalination capacity to reach ~5,350 MLD by 2018 from the current 900 MLD, CAGR of 30%
- Chennai Capital of Desalination Project
  - Two operational project of 100 mld each
  - Announced 2 more with 350 mld cumulative capacity



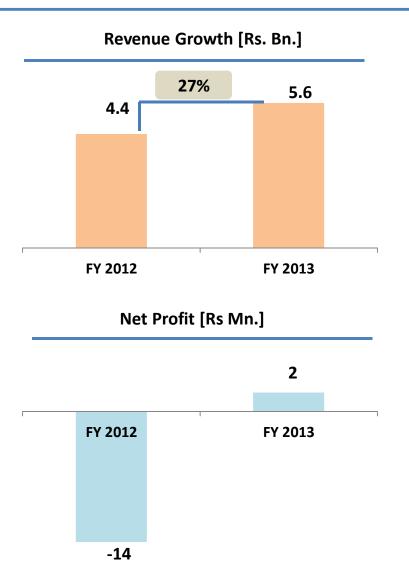
#### **Domestic & Global Business Model**

	Domestic Business (India)	International Business
Target Market & Wabag Presence	<ul> <li>Large market size</li> <li>Wabag established for more than 15 years &amp; achieved critical mass</li> </ul>	<ul> <li>Medium – Small market size</li> <li>Shifting from Centralized High Cost operation to Decentralized Low Cost operation</li> </ul>
Business Model	<ul> <li>Strategic Business Units (SBUs)</li> <li>Municipality / Industrials / O&amp;M / Desalination</li> <li>To focus on each business vertical as they have achieved critical mass</li> <li>Separate &amp; dedicated team for each segment</li> <li>Gain domain expertise in technology and project management function</li> </ul>	<ul> <li>Multi Domestic Units (MDUs)</li> <li>Turkey / Saudi Arabia / Algeria / Philippines / Sri Lanka / Romania / China / Spain</li> <li>To focus on market with local presence across all segments</li> <li>Local team focusing on getting orders to reach critical mass</li> <li>Support from India, Austria &amp; Swiss on Technology &amp; Project management</li> </ul>

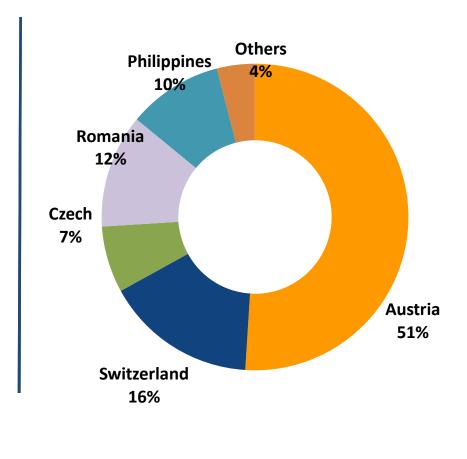
**Leveraging Scarce Technology Resources to maximize benefit in Global business** 



## **International Business started yielding results**



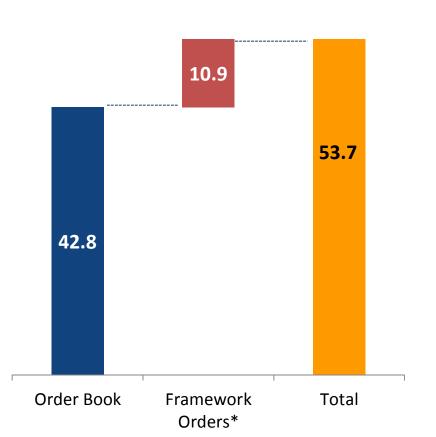
#### International Order Backlog [Rs 14.0 Bn.]





#### **Guidance for FY 2014**

#### **Current Order Book [Rs. Bn.]**



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

#### **Revenue Guidance**

Rs. 18.5 bn. – 19.5 bn.

Growth of 15% to 20% y-o-y

#### **Order Intake**

Rs. 26.0 bn. – 27.0 bn.

Growth of 20% to 25% y-o-y



# **FINANCIAL HIGHLIGHTS**







#### **RESULTS OVERVIEW – Consolidated Profit and Loss**

Rs. Millions	Q4 FY 13	Q4 FY 12	FY 13	FY 12	YoY %
Income	6,855	6,744	16,189	14,435	12%
Cost of Sales	5,148	5,049	11,747	10,422	
Total Cost of Operations(TCO)	806	788	2,892	2,713	
EBITDA	901	907	1,549	1,300	19%
EBITDA margin	13.1%	13.4%	9.6%	9.0%	
Interest & Finance Charges (Net)	27	36	88	104	
Depreciation & Amortization	30	24	109	86	
Tax	244	249	456	379	
Profit After Tax	604	604	903	738	22%
PAT margin	8.8%	9.0%	5.6%	5.1%	
EPS [Rs.]			34.1	27.9	

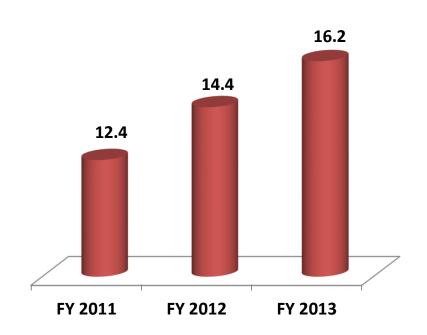
#### **Advantage Wabag – Indian Cost Arbitrage**

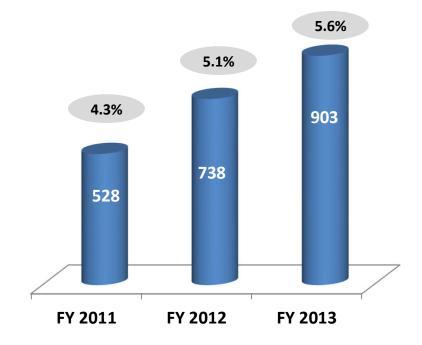


## **Consistently Achieving "Profitable Growth"**

Revenue [Rs. Bn.]

Net Profit [Rs. Mn.]





**Profitable Growth: Growth in Net Profit higher than Revenue Growth** 



## **RESULTS OVERVIEW – Standalone Profit and Loss**

Rs. Millions	Q4 FY 13	Q4 FY 12	FY 13	FY 12	YoY %
Income	5,082	5,204	10,572	10,035	5%
Cost of Sales	3,998	4,107	8,172	7,910	
Total Cost of Operations(TCO)	312	343	1,011	970	
EBITDA	772	754	1,388	1,154	20%
EBITDA margin	15.2%	14.5%	13.1%	11.5%	
Interest & Finance Charges (Net)	-2	6	-10	-3	
Depreciation & Amortization	19	15	66	57	
Tax	244	232	432	349	
Profit After Tax	510	501	901	751	20%
PAT margin	10.0%	9.6%	8.5%	7.5%	

On consistent growth path ...



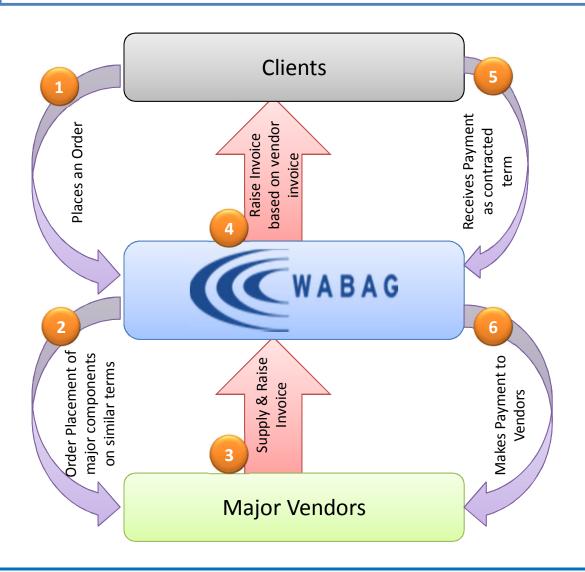
## **RESULTS OVERVIEW – Balance Sheet**

Rs. Millions	Mar'13	Mar '12	Mar'13	Mar '12	
	Consolidated		Standalone		
Net Worth	7,154	6,420	5,366	4,663	
Minority Interest	19	10			
Non-Current Liabilities	1,147	780	853	546	
Trade Payables	6,890	6,377	5,336	4,962	
Other Current Liabilities *	3,696	4,153	1,975	2,553	
Total Liabilities	18,906	17,740	13,530	12,724	
Fixed Assets	988	688	713	567	
Other Non-Current Assets **	1,517	981	1,600	1,065	
Trade Receivables	11,095	10,926	7,823	7,924	
Cash & Bank Balances	2,867	3,383	1,714	1,837	
Other Current Assets	2,439	1,764	1,681	1,331	
Total Assets	18,906	17,740	13,530	12,724	

### **Attractively Asset Light Business Model ...**



## **Working Capital Cycle**



- Receivable & Payables are higher on Balance Sheet day
  - Q4 generally accounts for 40-45% of annual turnover
  - Invoice raised & recognized as Revenue appear in Receivable are not due for payment as per contract
  - Same is the case for Payables for major Vendors
  - Receives payment & makes payment as per contracted terms in due course of time



# **RESULTS OVERVIEW – Working Capital Highlights**

Rs. Millions	Mar'13	Mar'12
Inventories	405	499
Trade Receivables	11,095	10,926
Loans and Advances	1,115	833
Cash & Bank Balances	2,867	3,383
Other Current Assets	919	432
Total Current Assets (A)	16,401	16,072
Short-term borrowings	796	1,244
Trade Payables	6,890	6,377
Other Current Liabilities and Provisions	2,900	2,909
Total Current Liabilities (B)	10,586	10,530
Net Working Capital (NWC) (A-B)	5,814	5,542
Net Working Capital with Cash (No. of Days)	131	140

66 Days Net Working Capital excluding Cash for FY 2013

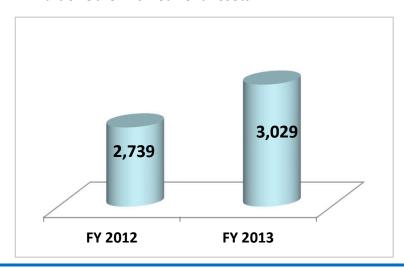


## **Increase in Net Cash Balance**

### Increase in Net Cash [Rs. Mn.]

	Mar'13	Mar '12
Cash & Bank Balance	2,867	3,383
Fixed Deposits *	958	600
Gross Cash Balance	3,825	3,983
Borrowings	796	1,244
Net Cash	3,029	2,739

<sup>\*</sup> Part of Other Non Current Assets

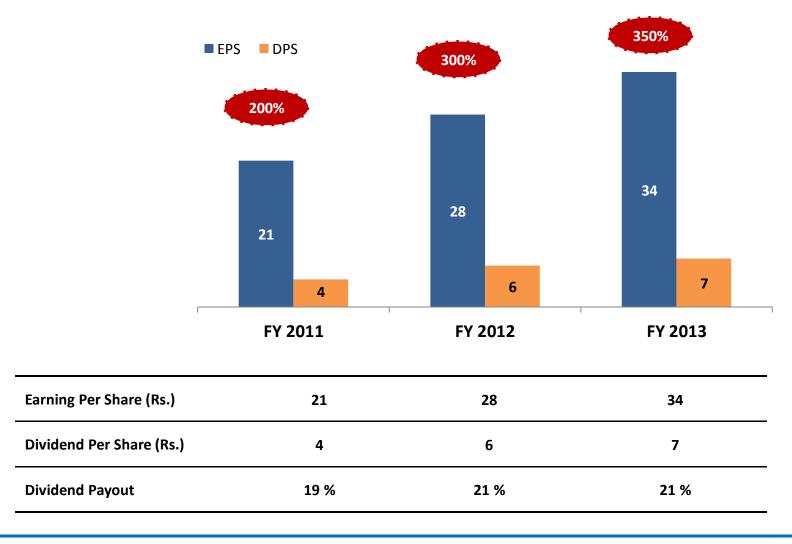








## **Dividend Track Record**





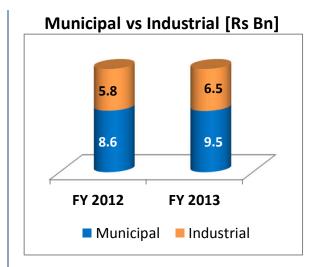
# **Annexures**

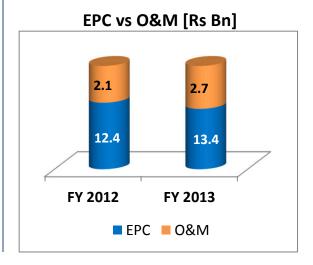


# Revenue breakup – FY 2013

Rs. Millions	EPC		O&M		Total
	Municipal	Industrial	Municipal	Industrial	
Wabag India	4,710	4,684	551	464	10,410
Wabag Overseas	3,051	908	1,160	491	5,610
Total	7,761	5,593	1,711	955	16,021

Key Projects contributing to Revenue	Revenue recognized [Rs Mn]
Reliance ETP Project	1,654
Nemmeli Desalination Project, Chennai	1,018
Water Treatment Plant & distribution system, Sri Lanka	988
DJB, Papankalan	973
APGENCO for Kakatiya & Rayalaseema BoP	883
Majis, Oman	634
Water Treatment Plant for Surat Municipal Corporation	529
O&M Project at Tehran	433
Shiraz, Austria	313
O&M Project at Adana, Turkey	303



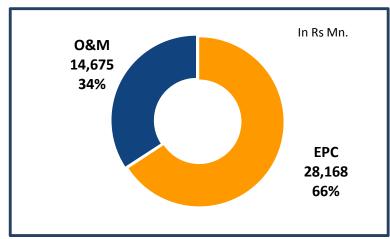




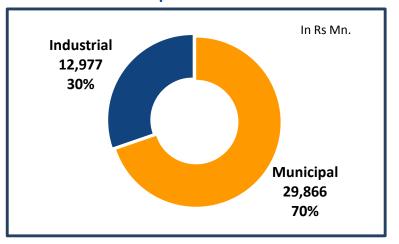
## **Current Order Book**

Rs. Millions	EPC		08	Total	
	Municipal	Industrial	Municipal	Industrial	
Wabag India	6,309	10,137	10,978	1,383	28,807
Wabag Overseas	10,649	1,072	1,930	384	14,036
Total	16,958	11,209	12,908	1,768	42,843
Framework Contracts					10,900
Total With Framework					53,743

EPC vs O&M



### **Municipal vs Industrial**

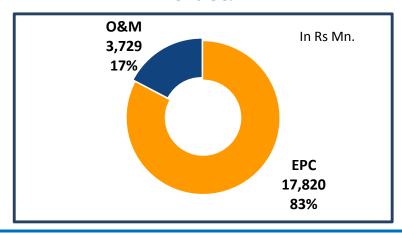




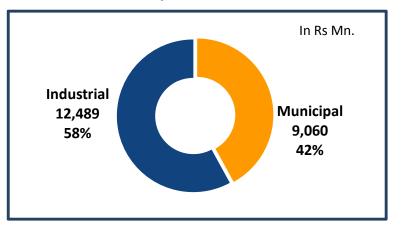
## Order Intake - FY 2013

Rs. Millions	EPC		O&M		Total
	Municipal	Industrial	Municipal	Industrial	
Wabag India	3,044	9,785	851	1,148	14,827
Wabag Overseas	3,988	1,003	1,177	554	6,722
Total	7,032	10,788	2,028	1,701	21,549
Framework Contracts					3,339
Total including framework					24,888

**EPC vs O&M** 



### **Municipal vs Industrial**







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