



# AVANI ENTERPRISES

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EEL-Ducon/INTRO/SJ/2014

Sub: Supply of Air Pollution Control Systems & Material Handling System.

Dear Sir / Madam,

We take this opportunity to introduce us as Channel Partner of M/s. Ducon Technology India Pvt. Ltd. (DTIPL) in and around Gujarat, - Ducon is a Subsidiary Company of Ducon Technologies Inc, USA is a reputed Technology provider and EPC Company having broad based Technology in the field of Air Pollution Control & Material Handling System in India.

Globally, Ducon (since 1938) has compiled over 30,000+ installations worldwide and has pioneered numerous Technologies. Ducon has compiled an enviable track record of completed projects finished on schedule and which continue to perform successfully and economically year after year.

Right from inception of Ducon Technology India Pvt. Ltd, in March 2005, it has created a niche name in Indian Core Sector and has won prestigious awards like “Niche Market Player in Pollution Control Systems” from Frost & Sullivan in 2009 & “Leaders of Tomorrow in Engineering Industries” from “Economics Times Now in 2010” as token of recognition of its achievement.

Ducon has executed number of projects with repeat business from reputed companies like RELIANCE, BHEL, NTPC, VEDANTA, STERLITE, HINDALCO etc.

## **Air Pollution Control Systems:**

- Flue Gas Desulphurization System
  - Wet FGD system
  - Dry FGD system
  - Semi-Dry FGD system
- Venturi Scrubber
- Dynamic Wet Scrubbers
- Cyclones / FCC refinery cyclones
- Chemical Absorption Towers
- Activated Carbon Absorbers
- SCR NO<sub>x</sub> Systems
- Pulse-air bag house filters
- Incinerators
- Continuous Emission Monitoring Systems (CEMS)

## **Material Handling Systems:**

- Truck & Railcar Unloading Systems
- Truck & Railcar Loading Systems
- Pneumatic Conveying Systems
- Silo Loading & Unloading Systems
- Fly Ash handling System
- Coal Handling System
- Limestone handling System
- Cement Handling System
- Alumina handling System
- Bins & Silo Aeration
- Air Slides
- PLC Control Systems

Should you need any further clarifications, please contact us.

Suitable Brochure will be sent based on your requirement.

Thanking you and looking forward to receive your valuable enquiry.



DTIPL/EOI/2013-14/001

19<sup>th</sup> February 2014

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Please find attached our credentials as listed below.

¾ Annexure – I : Product Profile                      ¾ Annexure – II : Reference list - FGD  
¾ Annexure – III : Reference list - MHS            ¾ Annexure - IV : projects under execution  
¾ Annexure - V : Installation Photos

Should you need any further clarifications, please contact us and also visit our site @ [www.ducon.com](http://www.ducon.com) for more information. Thanking you and looking forward to receive your valuable enquiry, we remain

Yours faithfully,

for **Ducon Technologies (I) Pvt Ltd**

Manoj Lohar  
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**Annexure – I – Ducon Product Profile**



**Air Pollution Control Systems:**

- ¾ Flue Gas Desulphurization System
  - Wet FGD system
  - Dry FGD system
  - Semi-Dry FGD system
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- ¾ Bins & Silo Aeration
- ¾ Air Slides
- ¾ PLC Control Systems

**Annexure – II - Partial reference list of FGD System**

Sl. No.	Client & Location	System
1	Reliance Energy Ltd, Dahanu, Maharashtra	Seawater FGD system for 2 x 250 MW Power Plant
2	M/s Lanco Infratech Limited A/c Udupi Thermal Power Project Udupi; Karnataka	Limestone FGD for 2 x 507.5 MW Thermal Power Plant
3	Bharat Heavy Electrical Ltd, Ranipet A/c NTPC - Bongaigaon TPP	Limestone FGD for 3 x 250 MW Thermal Power Plant
4	M/s Sterlite Industries (I) Ltd Tuticorin; Tamil Nadu	Hydrated Lime & Caustic dual FGD for copper smelter Expansion
5	Saint Gobain Glass – Sriperambadur	FGD for Glass Furnace

**Annexure – III - Partial reference list of Material Handling System**

<b>Sl. No.</b>	<b>Client &amp; Location</b>	<b>System</b>
1	M/s National Aluminium Company Ltd Angul, Orissa.	Alumina Handling System using air slide Conveyors & transfer by belt conveyors over 3 KM. Silo extraction & transfer to PTM through air lift over 38 meters. Handling crushed bath system feeding to PTM
2	M/s Hindalco Industries Ltd, Muri Works Chotamuri 838 101 Dist: Ranchi Jharkhand.	Alumina loading in to silos, extraction from silo, loading into 48 nos. of BTAP wagons of 55T capacity each within 4 hours time. System executed on LSTK basis complete with mechanical, electrical and instrumentation items.
3	M/s Hindalco Industries Ltd, Hirakud Smelter Hirakud 768 016 Dist: Sambalpur Orissa.	Extraction of alumina from 48 nos. of BTAP wagons of 55T capacity each and pneumatic conveying to silo, within 4 hours. System executed on LSTK basis complete with mechanical, electrical and instrumentation items.
4	M/s Vedanta Aluminium Ltd Jharsuguda Smelter Orissa.	Crushed bath handling system on LSTK basis in consortium with M/s Kempe Engineering Services Pty Ltd, Australia.
5	M/s Balco Limited Korba Smelter Chattisgarh	Crushed Bath Handling system on LSTK basis in consortium with M/s Kempe Engineering Services Pty Ltd, Australia
6	M/s Utkal Alumina International Limited Tikri, Rayagada District Orissa.	Alumina loading in to silos, extraction of alumina from silo, loading into 48 nos. of BTAP wagons of 55T capacity each within 4 hours time. Systems to be executed on LSTK basis complete with mechanical, electrical and instrumentation items.

**Annexure – IV – List of Projects under Execution**

<b>Sl No.</b>	<b>Client &amp; Location</b>	<b>System</b>
1	M/s Vedanta Aluminium Ltd Lanjigarh, Orissa	Alumina Handling and Wagon Unloading System on LSTK basis.
2	M/s Aditya Aluminum Project, Sambalpur	Crushed Bath handling system.
3	M/s Aditya Aluminum Project, Sambalpur	Alumina Handling System.
4	M/s Mahan Aluminium Project, Singrauli	Crushed Bath handling system.
5	M/s Mahan Aluminium Project, Singrauli	Alumina Handling System.
6	KSK Mahanadi Power Company Limited, Village Nariyara, Champa, M.P.	Fly Ash handling System for 6X660 MW Thermal Power Plant.
7	Sesa Sterlite Industries Ltd, Tuticorin, Tamilnadu	Caustoc Scrubber for Selenium recovery.
8	Gopal Glass Works Limited, Ahmedabad	Dry type FGD system for Pet Coke fired Glass Furnace.

**Annexure – V – Installation Photographs**



**Sea-water FGD**



**Wagon Unloading & Belt Conveyor**



**Wet Limestone FGD**



**Pipe Conveyor**



**Railcar Loading System**



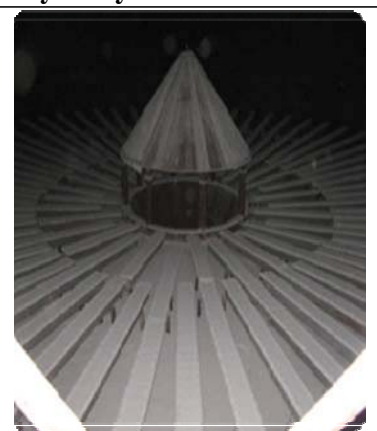
**Bath Recycle System**



**Dry FGD**



**Dual Alkali Scrubber**



**Bin Aeration**