

## Full Profile of Mr. SANJAY AGARWAL

- 1. CEO/Mg Director Micro Electrics P Ltd.**  
(1981) Mfrs of Stable bleaching powder  
C-24, Industrial Estate, Partapur, Meerut  
Turnover (USD 400,000 per annum)
- 2. ABS Cement P Ltd** (Established 1991) Closed  
since July 2003. 19th Km stone, Roorkee Road,  
Meerut. The 70 tpd VSK Cement factory is debt  
free & still owned by us. For pictures visit  
<http://cementconsultant/abs.pdf>
- 3. ADVISOR & Country Manager** (since Oct 2003)  
UNITED CEMENT CO, WLL (5500 TPD)  
P.O Box 669 Manama, Bahrain  
  
Phone +973 17725522, 17725028 Fax +973 17  
729053



At 2\*300 tpd Cementos Tequendama, Bogota 2008)

- 4. The LEARNING TREE** (Playschool)  
Christmas at Learning Tree  
<http://cementconsultant.org/learningtree.ppt>  
<http://cementconsultant.org/Annualday.pdf>

### ER Sanjay Agarwal

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Website: <http://cementconsultant.org/>

### Education:

Senior Cambridge, 1972, from: **The Doon School**, Dehradun.  
B. Tech., Chemical Engineering, 1978 from the prestigious **Indian Institute of Technology-Kanpur**, (first  
division).

### CORE COMPETENCY:

- Installing VSK, Rotary, Clinker Grinding **Cement plants**
- **Fly Ash Utilization**
- **Clinker Composition & Raw mix design & Kiln troubleshooting**
- Preparation of *Feasibility report* with Locational analysis
- Limestone/ Pozzolana/Gypsum prospecting. Purity and reserve estimation.  
Viz Limestone prospecting with His Excellency, the Governor of Adamawa, Nigeria  
<http://cementconsultant.org/adamawa.pdf>
- Advising cement companies on how to progressively decrease the Clinker: Cement ratio while improving  
one day and 28 day strengths.





Above: Exporting FLY ASH from Kandla (2007) and exploring Gypsum mines for El-Sharq Cement factory (2006).  
 Below: With CHUBU ELECTRIC OFFICIALS (2011) for advise on Fly Ash Generated at their 4100 MW power plant



**Business Experience:**

- ✓ **1981** Established **Micro Electrics P Ltd** with a total project cost of USD \$ 3,500 to manufacture 2 tpd of STABLE Bleaching Powder (versus \$ 450,000 spent by MODI ALKALIES in the same year for a 30 tpd plant in collaboration of UHDE, Germany). Micro Electrics is the only factory of its kind in the world established from data gathered from the libraries of IIT, Kanpur/Delhi & INSDOC & in house research. MICRO SBP carries the Indian Standards: 1089 certification.
- ✓ **1991** Established **ABS Cement P Ltd**, as the main promoter (40% shareholding), with an equity of \$ 1,35,000 and a term loan of \$ 2,10,000, to manufacture 70 tpd cement using VSK technology.
- ✓ **1996** With the closure of Dehradun Limestone mines by the order of the H'nble Supreme Court ABS Cement had to be shut down. *This was the starting point for development of fly ash blended cement.*
- ✓ **1999** ABS commenced manufacture of **fly ash blended cement** (IS: 1489). (Thanks to the cost benefits achieved from our fly ash blended cement technology, ABS is now debt free).

## Consulting Experience:

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### 2014-2011

- ✓ In 2014 Mr Agarwal advised 150 tpd VSK in Brazil (Pajeu Cement) which is now reporting 300% increase in cement production over the maximum achieved in 9 months before the one week visit.
- ✓ Present clients include Dao Africa Ltd (800 tpd Grinding and 1 mpta Rotary) & Metro Cement Ltd Uganda (600 tpd CGU) + Osho Cement Ltd (0.5 mio tpa grinding in Richards bay SA), Druk Cement Bhutan and Pajeu Cement Ltd, Brazil.
- ✓ Mr Agarwal as advisor to Megatech has won a turnkey 5\*600 tpd VSK order which was won against global tender where 14 companies participated. *Megatech is not only involved in the turnkey execution of this \$ 74.5m order, but has also undertaken a guarantee to run the project at 100% capacity*  
[http://www.worldcement.com/news/BRICs/articles/Venezuela\\_approves\\_mini\\_cement\\_investment\\_896.aspx](http://www.worldcement.com/news/BRICs/articles/Venezuela_approves_mini_cement_investment_896.aspx)

#### **Venezuela approves US\$74 million investment in mini cement plants**

According to local press reports, the Venezuelan government has approved a **US\$74 million** investment in the construction, installation and equipment for five mini cement plants in the country.

The project is being carried out in partnership with **India's Megatech International Private Limited**, which manufactures mini cement plants.

The plants will be established in **Portuguesa, Aragua, Yaracuy, Cojedes and Mérida**. The project will be developed in two stages. The first will include the establishment of a pilot plant in Portuguesa and the construction of a further two plants, one in Cojedes and the other in Yaracuy. Each plant will have the capacity to produce 4.235 million bags of cement pa, helping to meet local demand.

Edited from various sources by [Louise Fordham](#)

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### 2011-2007

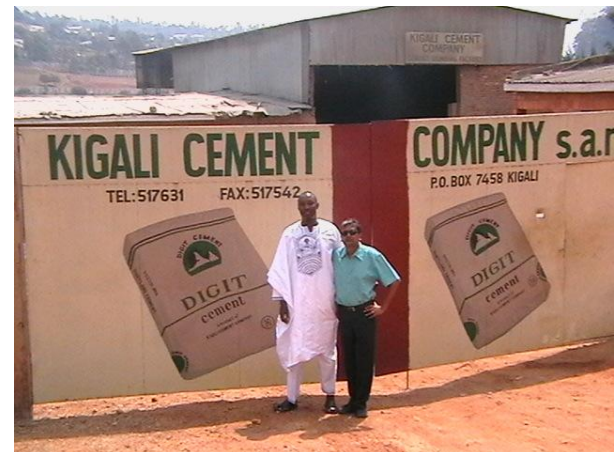
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- ✓ Invited to address Fly Ash Utilization issues of 4100 MW **Chubu Electric Power**, HEKINAN Japan
- ✓ Awarded Environment Impact Assessment (EIA) for **250 MW** power plant (as Chief consultant of Epsilon Projects Pvt Ltd) of **Unitech Machines Ltd**, Gurgaon to be located in Auriaya Distt, Uttar Pradesh
- ✓ Appointed Advisor to **Sona Alloys Ltd**, Satara for installation of 500 tpd Slag Cement factory to utilize the GBFS that is being generated in Sona Alloys Ltd blast furnace
- ✓ Conducted PFR for 200 tpd Cement plant in Arunachal Pradesh for **APIDCOL**

- ✓ Prepared a Feasibility Report with locational analysis for 1.5million TPA **Sultan Cement, Damascus** Syria
- ✓ Invited by **ITC Bhadrachalam** to address Fly Ash utilization in the FBC boilers (Co-Generation burning of Coal & wood). *ITC Bhadrachalam is the largest paper mill in India*
- ✓ Invited to address the issues of gainful utilization of Fly Ash being generated by 4650 MW (\$ 5 billion) **Adani Power Ltd, Mundra**
- ✓ Invited by **HOLCIM** Madagascar for 2\*180 VSK kiln optimization
- ✓ Advisor to **Salim Group/STMI** group for setting up a cement factory in Chad. [www.stmi.com](http://www.stmi.com)
- ✓ Visited Somaliland as **TEAM LEADER** of Horn Energy (A joint Venture between Independent Tobacco, UAE & Hanna Sheikhs of Bahrain/UAE) for prospecting minerals
- ✓ Appointed Consultant to 1200 MW **JINDAL INDIA THERMAL POWER LTD** in Orissa for advise on Fly Ash & for installation of 3 Million ton cement plant
- ✓ Invited by **Cementos Tequendama, Bogota** for 2\*300 tpd VSK kiln Optimisation
- ✓ Appointed Advisor to **Independent Tobacco, Jebel Ali, UAE** to install a 1000 tpd cement plant in the Horn of Africa (Berbera, Somaliland).
- ✓ Appointed Agent to market turnkey ROTARY CEMENT PLANTS having a single line ROTARY KILNS upto 10,000 TPD by the leading cement machinery manufacturer **CBMC/ SINOMA** BEIJING, CHINA.
- ✓ Travelled on invitation by **Roofings Ltd, Uganda** to set up cement plants in Uganda & Juba
- ✓ Appointed Adviser to **Pan Afric, Kampala** for Limestone survey & preparation of a TEFR for a million ton Cement plant in Moroto, Uganda.
- ✓ Prepared TEFR for **Eradus Corp, Spain** to install a 2000 tpd cement plant in Abu Dhabi. *Became the first person to index cement demand for GCC countries vis a vis the Brent crude Index for Eradus corp and United Cement Co Bahrain*
- ✓ Re-invited by **SHREE CEMENT Ltd** –now a 12 MTPA Integrated cement plant to advise on Raw mix design, Clinker & Cement composition.

## 2002-2006

- Appointed “Advisor” to **M/s CEMENTOS TEQUENDAMA S A, BOGOTÁ** for the setting up of a 600 tpd VSK cement plant.
- Appointed Consultant to the **500 tpd Nirman Cement Ltd, Patna** for improving cement quality & bringing down costs.
- Appointed Consultant for dismantling, erection & commissioning of an old 65 tpd VSK cement plant for **M/s Butwal Cement, Nepal**. The plant has since been commissioned.
- Trials of our Research Lab developed Cement mill Grinding –Aid (cum Cement Pack Set Inhibitor) are being conducted at the **Gujarat Ambuja Limited** (now with ACC, capacity **50 Million TPA** cement plant). The Trials find a mention in the GUJARAT AMBUJA Share holders report.
- Appointed consultant to set up a fly ash blended cement plant for **M/s Kigali Cement Co, Rwanda** (Africa). The plant was successfully commissioned. **KCC** started with a pilot plant of 50 tpd CGU & **has since expanded to 400 tpd CGU and 50 tpd VSK**
- Asked to conduct a pre feasibility report for Captive Power Plant (CPP) of the Aluminum producer **NALCO** limited to advise on the setting up a 1500 tpd fly ash blended cement plant as also the gainful utilization of the 4100 tpd of class ‘F’ Fly ash being generated by the CPP every day.



- Appointed Consultant to Mr Warren Hanchey for setting up a 300 tpd blended cement plant in **San José, Costa Rica**. The project was abandoned.
- Invited to **Kuwait** to set up a 600 tpd cement plant for **Shaheen Alghanim & Co** & also advise on cement & clinker procurement.
- Appointed 'Advisor' for purchase of fly ash & cement composition & plants to M/s **United Cement Co WLL, Bahrain**, a part of 27 division Abdulla Ahmed Nass group with interests in cement, construction, Reclamation, Ready Mix concrete & Shipping (25 ships) etc.
- **UCC** has also sponsored us to attend a conference by INTERCEM, Amsterdam on "Cement Replacement Materials" in Feb, 2004 & many more...
- Invited to address workshop of the **Power Management Institute** on 'Use of coal ash for Portland pozzolona cement and high volume fly ash cement'.
- Appointed advisor to **Mr Haitham Widatalla** for setting up a 200 tpd cement grinding plant in North Africa. The plant has been successfully commissioned.
- Invited as advisor to the 3 million ton per annum (Rotary Kiln) **Shree Cement Ltd, Beawar** to advise on the cement compositions. Shree Cement Ltd (3 MPTA) have their own 36 MW power plant & captive mines. Shree Cement Ltd claim to be the lowest cost cement producer in the world (as per a worldwide survey by Whitehoppleman UK).
- Consultant to **ADIL INTL, Maputo, Mozambique** to install a 200 tpd blended cement factory.
- Successfully completed the evaluation for the **BIN OMEIR HOLDING GROUP, Abu Dhabi** of a 200,000 TPA rotary kiln plant in **Berbera, Somaliland** <http://cementconsultant.org/berbera.pdf>
- Invited by the **Governor of ADAMAWA** to visit Nigeria and explore the possibility of setting up a Greenfield 2000 TPA cement plant.
- Appointed advisor to Mr **Dimitry Fahmy** to set up a 300 tpd cement grinding plant in **Sudan**. M/s El Sharq Cement has been commissioned.
- Advised to Mr **Jody Myrie** to set up 120 tpd cement grinding plant in **Kingston, Jamaica**. The plant has been delivered. Also exported 42,500 Ton cement to Jamaica from North Sea Port, China for Mr Myrie.
- Traveled extensively on invitation by companies in East Africa to set up cement plants in **Uganda, Juba, Tanzania Kenya South Africa** etc.
- Appointed advisor to **National Cement Co, Dre Dawa Ethiopia** (existing Rotary Kiln plant)
- Consultant to **HBT Investments, Richards Bay, South Africa** for 1000 tpd GCU- a BEE company
- Appointed advisor to **Zanzibar Cements Ltd, Zanzibar** for 400 tpd CGU
- Prepared TEF (Techno Economic feasibility report) for **0.75 MPTA SIDBALI CEMENT (UP), & 1 MPTA ABHIJEET CEMENT, RANCHI**.
- Appointed Advisor to **TANCEM TANZANIA LIMITED** for installation of a 1000 tpd cement plant. Land & mine procurement has been completed, financial closure achieved and order for machinery has been placed. However the project was later abandoned.