

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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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'nable 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:

2011-2007

- ✓ 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
- ✓ 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, Bewar** 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 TEFR (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.

