

Message from Sukumar M. Parikh



We are happy to bring out this News Letter. We have attempted to cover important achievements and involvement of SMPS in several projects. Some recent projects are placed in the photographic gallery. Despite the slowing down of the economy in India, SMPS has bagged a few new projects and continue to work on several on-going works.

Letters that we have received from our clients are again included in this News Letter. Selection of letters from different clients is randomly carried out. We express our thanks to all these clients for their good wishes to SMPS.

Various activities continue apace within SMPS office and outside the office too. Table tennis and other indoor games continue to be popular past times. Office tour to Shimla and Manali during the Diwali holidays was a grand success. It gave a great boost to camaraderie amongst all the participants numbering nearly 100! Diwali Garba programme went off very joyously, as planned.

During the difficult economic times ahead, our moto is to work with redoubled efforts.

With a word of gratefulness to all those who work with SMPS.

TECHNICAL CORNER

"VERY LARGE SPAN LIGNITE SHED" AT NIRMA LIMITED NEAR BHAVNAGAR

Nirma Limited at their Soda Ash Plant near Bhavnagar had large stockpiles of Lignite. Lignite being self-igniting material, it is spread over a large area with limited vertical stacking. It was decided to provide roofing over the vast area of lignite stockpile.

First Challenge came up with the stacker in place to handle lignite the stacker's operational dimensions and scale being 300 tons/hour and projecting arm of 38m with 270° swing horizontally and its height at 15m. These defined the geometry of the lignite shed span:81m height:16m at ridge and 6.5m at the column end, with length:100m (8 bays of 12.5m).

Next Challenge was difficult fabrication & erection issue. These were conceptualized at the design-stage at SMPS. Each frame is fabricated in 3 pieces. Two vertical members were erected and tied by bracings and the sequence was followed. 68m long inclined member was erected with a 65T crane of boom. 50m long lifting girder with 2-ISMB 600, connectors and bracings was designed to erect this very large span member. The inclined member was lifted simultaneously from six points using chains, slings and chain pulley blocks to ensure uniform distribution of loads (to avoid distortion during erection). The lifting girder itself was lifted from three points by the crane.

Special aspect of design: SMPS designed the sheeting of the entire shed in two layers to provide natural ventilation. Central portion has roofing on the top of the frames, while the frames in the outer portions have roofing sheets at the bottom chord members. The gap in the roofing provides natural ventilation.



SMPS SOCIAL RESPONSIBILITIES



Blood Donation

January 2009



Medical Camp

February 2009



Co-sponsoring Handcrafts making and Computer Classes for Girls



SMPS FUN CLUB

PAST EVENTS FUN AND FROLIC



Three Legged Race



Frog Jump Enjoyed by all



Invigorating Tour to Manali



Ras, Garbas and Folk Dances during Navratri Festival

COMPLETED PROJECTS



Engineering Industries
Heavy Metal & Tubes Ltd.

CHHATRAL



Bulk Drug Industry
BGP Health Care Pvt. Ltd.

ANKLESHWAR



Heavy Engineering
ISGEC Ltd.

DAHEJ



Office Building
Blind Peoples' Association

AHMEDABAD



Pharmaceuticals
Vikram Thermo (P) Ltd.

AHMEDABAD



Textile - Speciality Mercerising
Arvind Mills

AHMEDABAD

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Social

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Sonal Shah
Falguni Prajapati

Cultural

Snehal Chavda
Virendra Patel
Sejal Patel

Sports

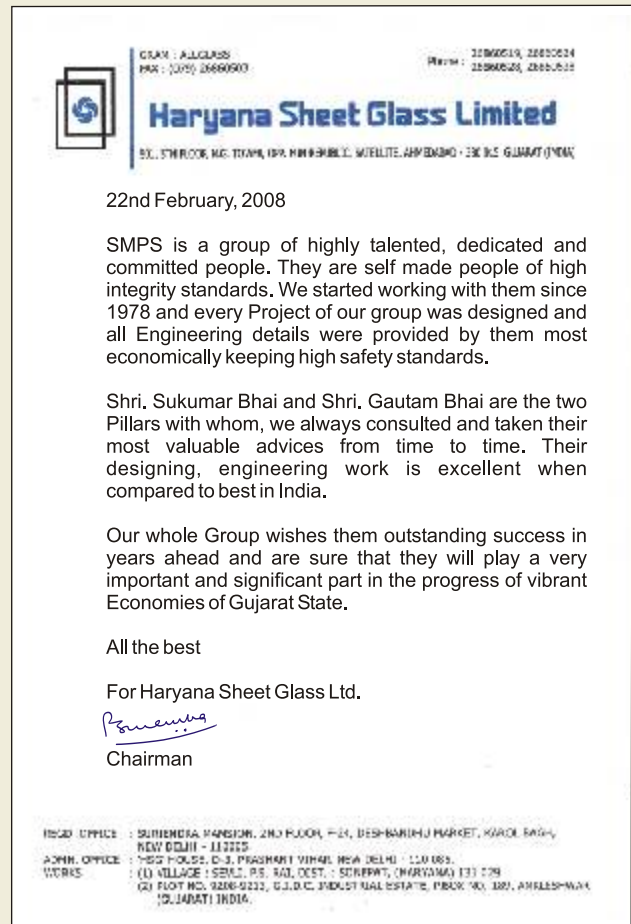
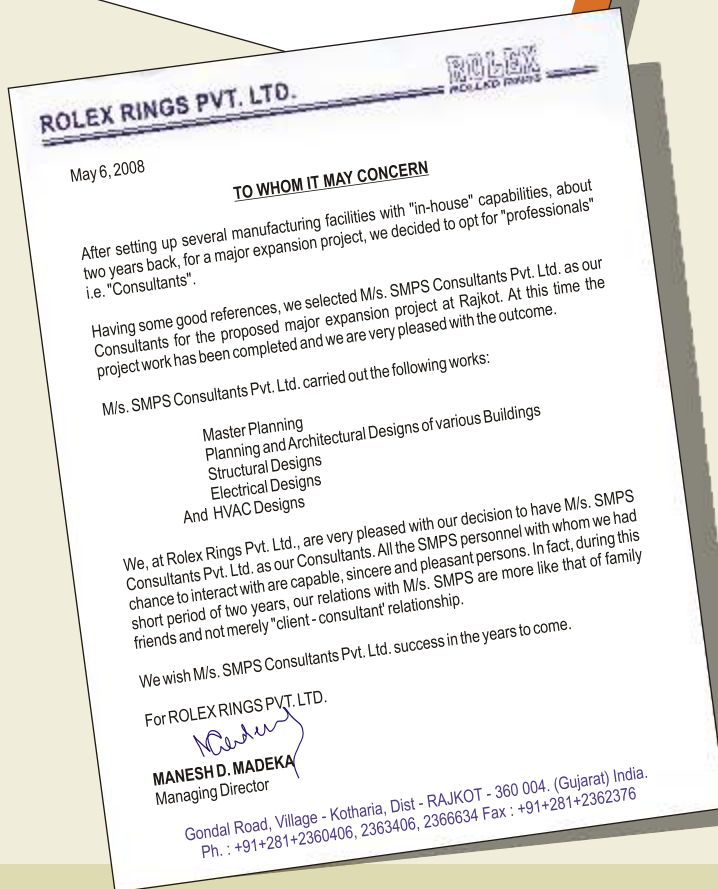
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Beyond the call of duty-Innovation & Commitment

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