



CONCRETE SENSE

OCTOBER - DECEMBER, 2014 | VOL 4

www.ajax-fiori.com

CONTENTS



3

All About Concrete



5

Projects In Progress



6

CS News

AJAX FIORI @ BC INDIA - 2014

LETS BUILD OUR NATION TOGETHER...



FROM THE DESK OF MD

With this edition, we would have completed one year of bring you our newsletter "Concrete Sense". I hope you have enjoyed reading it as much as we have enjoyed bringing it to you. We would be pleased to hear your views on the format and content of the Newsletter and what we can do to make it better.

The year in review has been a year of change - ringing in a new government with its promise of bringing in "Acche Din" in the months and years ahead. For all of us tied with the Infrastructure sector a slew of policy announcements or promise of legislations has raised expectations of a turnaround in the fortunes of the Infrastructure companies or those associated with it such as us. Relaxed norms for FDI in Infrastructure, construction and Real estate sector, likely awards of major NHAI contracts in the next quarter, tenders for coal allocation, fast tracking amendments to Land acquisition act are but some of the indicators of a turnaround in the economy in general and infrastructure in particular.

In order to better serve our customers in a market which shows every indication of rapid recovery, we have inaugurated our new factory at Gauribidanur at outskirts of Bangalore, from where we can provide you our comprehensive range of Batching plants. We had also displayed a part of our Product range at BC India and we hope you had an opportunity to visit us at the Exhibition.

May I end by wishing each and every one of you a wonderful ,prosperous and fulfilling New Year .



K.VUJAY - Managing Director

K.VUJAY

K.VUJAY - Managing Director



ALL ABOUT CONCRETE

In the last few editions we have seen the Concrete workability, various Concrete testing techniques adopted in the Industry and the different methods to transport concrete. In this segment we will get an overview on the different grades of concrete & its application.

GRADE OF CONCRETE

Cement concrete in India on large scale is being used since the last about 70 years. In the early days the following nominal ratio by volume for concrete were specified.

Cement	Sand	Aggregate
1	2	4
1	1.5	3
1	1	2

Correspond to M-15 Grade
Correspond to M-20 Grade
Correspond to M-25 Grade



A. LEAN CONCRETE



B. REINFORCED CONCRETE



C. PRESTRESSED CONCRETE

A few facts about Grades of Concrete:

- M5 and M7.5 is suitable for lean concrete bases, simple foundations & foundations for masonry walls.
- Concrete grades < M15 is not suitable for reinforced concrete works.
- Concrete grades < M30 are not suitable for pre-stressed concrete works.

In General, the following are the cement content required for various grades of concrete as per the table below. However, this may tend to vary as per site and client requirement.

Grade of Concrete	Cement Content in Kg/m ³ of Concrete
M15	250 to 300
M20	280 to 330
M25	310 to 360
M30	360 to 420
M35	380 to 450
M40	380 to 450
M45 to M55	400 to 450

In recent times, Concrete is generally graded according to its compressive strength. The various grades of concrete as stipulated in IS : 456-2000 and IS : 1343-1980 are given in the below table 1.1. In the designation of concrete mix, the letter "M" refers to the mix and the number to the specified characteristic strength of 150mm work cubes at 28 days, expressed in MPa (N/mm²).

Table: 1.1

GROUP	ORDINARY CONCRETE					STANDARD CONCRETE					HIGH STRENGTH CONCRETE				
	M10	M 15	M20	M25	M30	M35	M40	M45	M50	M55	M60	M65	M70	M75	M80
Grade Designation															
Specified characteristic strength at 28 days, MPa	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80

KNOW YOUR MACHINE

3 MONTHS / 250 HRS MAINTENANCE OF SELF LOADING CONCRETE MIXER

FAN BELT

Check & adjust Fan belt tension



ENGINE OIL

Replace Engine lubrication oil



ENGINE FILTER

Replace engine lubrication oil filter



HYDRAULIC OIL

Check & top up hydraulic oil



BATTERY

Check & top-up battery electrolyte



GEARBOX

Replace Drum gearbox oil



FILTER ELEMENT

Replace Pre & micro Filter element



WHEEL HUB OIL

Replace all four-wheel Hub oil



CHECK TORQUE OF ALL MOUNTING NUT AXLE/ENGINE/CABIN/WATER PUMP/DRUM GEARBOX/WATER TANK

Know more about Machine Maintenance after 500 Hrs Operation in the next issue

PROJECTS IN PROGRESS

ARGO - CHANGING THE WAY OF CONCRETING WITH BOOM PUMPS /



“ Ajax Fiori’s Self Loading Concrete Mixer has become the new trend of pumping concrete with Boom pump for high rise buildings in Modern India ”

Voiced Mr.Sathish, Managing Partner M/s SRT Constructions, during an exclusive interview with Ajax Fiori editorial team.



Ajax Fiori Self Loading Concrete Mixer being one of the innovative machines in the Concreting Industry, today finds its utility in various application like Irrigation, Roads & Bridges, Urban Infrastructure, Industrial foundation etc., to a name a few.

The Argo’s made headlines when 400m³ of M 20, M25 slab concrete was produced and pumped with a Boom Pump within 16 hours for an educational institution project in Vijayawada.

M/s SRT Construction, one of the renowned names in the Construction Industry is a specialist in construction of educational institutions in the state of the then Andhra Pradesh.

M/s SRT Construction was awarded the Project for Construction of the KKR Goutham Dream Valley International School in Vijayawada.

The total concrete involved in this project was around 6000 m³ and the project consisted of 4 floors. SRT had an option of completing the entire project with RMC, however they decided to concrete in a way which be evolve a new trend in building construction.

They are associated with Ajax Fiori since 2012 are the proud owners of 6 nos. Ajax Fiori Self Loading Concrete Mixer since 2012 and after carefully evaluating the performance of the machine in various sites, decided to go the Argo way along with Boom pump for this project.

SRT deployed 4 of its Argo machines to produce M 20 & M25 grade concrete which needs to be pumped with a Boom Pump to a height of 20 mtrs. The Argo’s produced quality concrete and the concrete was taken to the delivery point with the Boom pump elegantly without any single stoppage during the entire schedule...



Commercial Project At Hyderabad

Excerpts from the interview:

❖ Tell our readers about your idea of using Argo for Boom Pump application?

Traditionally concrete for Boom pump is being fulfilled by Batching Plants at site/RMC. The only factor to be considered while pumping concrete through Boom Pump is the quality of concrete and we looked for alternative solutions than the traditional ones. We are associated with Ajax Fiori for the past 3 years and have experienced the performance of Argo. The quality of Concrete was so good and we decided to go the Argo way for our projects.

❖ What were the Advantages of using Argo in Boom Pump application against RMC?

- The quality of concrete is at par with RMC
- Direct cost saving of 10-15% which is quite substantial.
- Saving in Transportation cost

❖ What are your current ongoing projects?

- Sri Chaitanya Colleges – Nandyal, Kurmool Dist.
- KRR Gauthams International School – Nuziveedu, Vijayawada.
- TGV Physiotherapy College – Kurmool Dist.
- Sri Chaitanya Colleges – Hyderabad.

❖ How do you see the concept of Argo usage in Boom Pump application in the future?

The concept of Argo usage in Boom pump application is still in the early days of its progress as most of contractors prefer RMC for concrete. However the cost of RMC and the timely availability of concrete will drive the contractors to go the Argo way in the future.



KKR Goutham Dream Valley International School, Vijayawada

CS NEWS

AJAX FIORI ON EXPANSION MODE



NEW MANUFACTURING FACILITY AT GAURIBIDANUR, KARNATAKA

Ajax Fiori inaugurated its State-of-the-art manufacturing facility at Gauribidanur in Karnataka on 11th October 2014. This facility will be dedicated to manufacture all ranges of Radius Lift Arm Batching Plants, Compact Batching Plants & Euro AXN Batching Plants.

Mr. K.Vijay, Managing Director-Ajax Fiori Engineering (I) Pvt. Ltd and Mr. Enrico Santini, Managing Director - Fiori.Sp.A, Italy jointly inaugurated the plant with the formal ribbon cutting. During the occasion all the Directors of Ajax Fiori & Fiori S.p.A, Italy were present along with staff members and the Union members of Ajax Fiori.

Mr.S.Gopal, Director-Ajax Fiori welcomed the gathering and Mr.Jacob John, Director -Ajax Fiori delivered the vote of thanks.

This manufacturing facility is spread over 20 acres and the shop floor is spread around 42,000 sq.ft. This facility has the capacity of producing 300 plants/annum and will cater the needs of its customers.

REACHING OUT TO CUSTOMERS

Ajax Fiori team of Tamil Nadu participated sponsored the General Body meeting of the "Builders Association of India" - Tiruchirappalli Centre on 04th December 2014. Nearly 350 Builders and members of the centre participated in the event and Ajax Fiori took this opportunity to address the gathering about various Products & Service offered by Ajax Fiori



Builders Association Of India Meet - Trichy



Customer Meet - Indore

Ajax Fiori always understands customer needs and every step forward will be in line with customer requirement. The Raipur depot is fully operational and the first Self Loading Concrete Mixer was billed in the month of November 2014. Customers could expect many more depots in their region.

A STEP CLOSER TO THE CUSTOMER

Ajax Fiori always understands customer needs and every step forward will be in line with customer requirement. As per our customers needs we had successfully started the operation of our Raipur Depot in the state of Chhattisgarh for stock and sale of its Self Loading Concrete Mixer.



Operation of Raipur Depot - Chhattisgarh

Now Raipur depot is fully operational and the first Self Loading Concrete Mixer was billed in the month of November 2014 to one of its esteemed Customer in Chhattisgarh from this depot.

INAUGURATION OF MUMBAI & INDORE OFFICE

Ajax Fiori inaugurated its New Regional Office at Mumbai in the month of October 2014, from its earlier location.

The new venue will be Ajax Fiori's landmark address for serving its western region customers. This office will be backed by service engineers to respond to the customer's needs along with the regional managers of sales and services. However the spare parts requirement of the customers will be fulfilled from our regional parts depot at Bhiwandi, Maharashtra.



Happy Moments At New Mumbai Office

Team Ajax Fiori sharing a lighter moment with the guests on the occasion of the inauguration of their new office.

Customer expects the best services at his door step and Ajax Fiori firmly believes in this philosophy. This resulted in setting up our new branch office at Indore for catering its customer for the state of Madhya Pradesh.

Visit Our New Office At:

Ajax Fiori Engineering (I) Pvt. Ltd.
Office No.208, Vikram Urban (Nai Duniya Building)
Behind Hotel Sayaji, 25-A Mechanic Nagar
Ext.Scheme No. 54, Indore - 452 010, Madhya Pradesh.



Inauguration of new Branch office - Indore

The new office will be a hub for sales and service requirement for its customer. However spare parts requirement will be handled from our current depot at Indore.

OPERATOR TRAINING AT BILASPUR & PATNA

The biggest challenge today the construction equipment industry facing is lack of trained operators for its equipments. To overcome this difficulty, Ajax Fiori focus much on the training needs to the operators for their equipments which are been manufactured. Periodic operator trainings are imparted across geographical locations throughout the year.



Operators In Training

One such operator training was conducted in the month of Oct'14 at Bilaspur & Patna. Around 30+ operators participated from the nearby location and benefited from the program. Various topics including hydraulics, daily maintenance, operation techniques were covered for better productivity of the machine. Representatives from KOEL (Engine) also imparted training on their engines to the operators.

Looking for a **CONCRETING** Solution???



Yes!!! We have a **SOLUTION** for all your needs...

Come forward and reach us through our website



www.ajax-flori.com

You can also call us on our **Toll Free No.** in your preferred language...

We will be obliged to assist you ...

OUR SPARES WAREHOUSES BRANCHES

AJAX FIORI ENGINEERING (I) PVT. LTD.

Shed No. 2, Survey No. 701/712
SIDCO Industrail Estate, Thuvakudi,
Tiruvembur Taluk, Trichy - 620 015, Tamilnadu
Phone : +91 77081 11628
Email : spares.trichy@ajax-flori.com

AJAX FIORI ENGINEERING (I) PVT. LTD.

IDA, Nacharam, Near BSNL Office,
Hyderabad - 500 076, Telangana
Telefax: +91 40 2717 4175
E-mail : south@ajax-flori.com

AJAX FIORI ENGINEERING (I) PVT LTD.

KHARSA NO. 303/ 9,
Patwari Halika, No.103, Besides Gati KWE,
G E Road, MH 6,Tatibandh
Raipur - 492 099, Chhattisgarh
E mail: spares.raipur@ajax-flori.com

AJAX FIORI ENGINEERING (I) PVT. LTD.

Building No.26, Unit No. 1, India Corporation
Village - Dapode, Mankoll Naka,
Bhiwandi - 421 302, Maharashtra
Phone No. : +91 90222 88628
E-mail : west@ajax-flori.com

AJAX FIORI ENGINEERING (I) PVT. LTD.

No. 9, Lasudia Mori, SDA Annex, Compound,
Near Aggarbatti Factory, Dewas Naka,
Indore - 452 010, Madhya Pradesh
Mobile No. : +91 99930 30628
Email : spares.indore@ajax-flori.com

AJAX FIORI ENGINEERING (I) PVT. LTD.

46, Ground Floor,
FIE Patparganj Industrial Area,
Patparganj, New Delhi - 110092
Phone : +91 11 4241 8628
Email : north@ajax-flori.com

AJAX FIORI Helpline Number
1800 4190 628

KOEL Helpline Number
1800 2333 344



For further information please contact :

AJAX FIORI ENGINEERING (I) PRIVATE LIMITED

No. 253/1, 11th Main, 3rd Phase,

Peenya Industrial Area, Bangalore-560 058.

Tel: + 91 80 6720 0082 Fax: +91 80 6720 0031

CIN No.: U28920KA1992PTC013306

E mail: info@ajax-flori.com | Website: www.ajax-flori.com

For your Sales queries please contact :

Northern Region : 096500 36628

Southern Region : 098450 58628

Eastern Region : 094331 44581

Western Region : 099672 63628

Central Region : 098269 13628