

Dear Members,

Summer Greetings to all members, patrons and volunteers of the Chapter. It gives us a pleasure to share that we are a 200 member rich chapter from varied industries as of today. It is encouraging to have a growing volunteer base keenly owning up varied upcoming drives with passion.

In the first four months of the year, chapter had conducted two network meetings, Agile awareness workshop and two PMP preparation training.

April'12 the Chapter has launched its first annual students paper contest – **Aspire 2012**. We encourage each of you to connect back to all your regional academic touch points and encourage participation to reap early values of this academic drive.

Effective collaboration would help our region raise the general awareness on effective Project Management practices. Take your small step to regional leadership from your world of influence.

Cheers  
Editor's Desk

COVER STORY

## Project Safety in Construction Industry

Construction industry is now a major contributor to country's economy. Good number of projects are in progress, many are about to start and some are planned. These are all related to infrastructures, industries, welfare, and buildings etc. Huge numbers of people, equipments, and materials are involved in these projects. Safety of all of these people is therefore a concern and an integral part of the project. It is told that, **'the Safety is from womb to tomb.'** Any project is first conceived in the brain of designer & planner. If the Safety is not considered from this stage, it may be too late. Safety comes in every stage of the Project during its building, commissioning, use and even dismantling on completion of the life cycle. In fact, the risks are more prominent during dismantling as it's done hurriedly, with out due planning. **Adequate care is needed at that period.**

For Construction projects , **Safety** is prevention of loss caused by untoward incidences. The lack of Safety can have four levels of impact.

Social	Financial	Legal	Moral
It affects the Society. Family loses earning member, organization and country loses skilled services, employees in general pay for insurance and Employer pays Compensation/ Insurance premium.	Accidents are costly. Cost for medical, compensation, wages etc are visible which forms only a small fraction of the total cost. It is like the Tip of Iceberg. Slowly many organizations are realizing this.	Human resource is the most critical resource for the industrial activities. The nation has its responsibility towards the safety and well being of the employees. Hence enforcement of the Acts & Laws.	Employees are the backbone of any organization. Growth of the company is dependent on their swats. They became the integral part of the system and hence call for safe work environment & system.

Construction provides large number of employment, to the tune of about 31 million of which about 73% are unskilled workers (according to CIDC). The employment is mostly in unorganized sector with very casual deployment and working mostly in make shift arrangements. Risks are high and attention towards safety is **poor**. International Labour Organization studies reveal that the **accident rates** among industrial workers is highest in India, touching **4 per 1000** and a major share of it is accounted by the building and construction sector. Unskilled and semi-skilled labourers are cheap, unorganized and unaware of their rights. In addition, to get and retain the jobs, they are ready to take extra risks. Builders therefore, find it convenient and profitable to use manpower than sophisticated machines. Many of them give little attention to the Safety of these people.

It is a well known fact the accidents are caused by Unsafe Acts or Unsafe Conditions. Statistical analysis shows that 80% - 88% of accidents are caused by Unsafe Act and 18 to 10% are due to unsafe conditions and rest are due to natural calamity. If we further analyze then it will be evident that unsafe conditions are caused by wrong actions or inactions of human being.

Falls, transportation accidents, contact with objects and equipment or electric and exposure to harmful substances or environments causes **94% of fatalities**. The majority of the fatalities occur through falls. From the figure it is observed that almost two in five fatalities were the result of falls. Next majority of accidents were due to Transportation accidents, followed by lifting, shifting & transportation of materials.

● Accident is defined as undesired, unplanned and uncontrolled event or events which may or may not cause human injury or property damage or both. Hence proper planning and control can reduce the accidents drastically.

● But the things are changing. Many Indian organizations on their own, some under the pressure from multinationals and growing concern from various agencies & conscious of employees are giving weightage to Safety. Safety totally depends upon the **Management policy** of the organization. It's a top down process but with due response from employees.

● What are the solutions? Solutions can be represented by **3E** namely, **Engineering, Education & Enforcement**.

Engineering	Education	Enforcement
Engineering is used to <b>identify</b> the Hazards & Risks involved and take <b>corrective actions</b> to eliminate / reduce the risks. Use of Personal Protective Equipment (like Safety shoes, Helmet etc) to protect the parts of body exposed to risks can be controlled.	Education is very critical for building <b>awareness</b> of people working. They need to be made aware of the Hazards & Risks, they are exposed to. In addition they must be trained on the Standard Procedures to do the job effectively & safely.	Enforcement is required to ensure Safety guide lines are followed, through <b>Inspection / Audit</b> to identify the deviations and take corrective actions accordingly, even where organization support with appropriate safety tool provisioning.

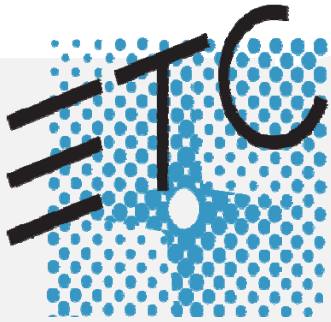
**Factors of Safety**

- Maintain Safe Work Environment
- Impart Safety training
- Effective control
- Enforcement
- Accountability

Slowly, still safety is surely coming under focus. But even today majority of the companies, specially the small ones considers Safety provisioning as an extra burden. Live experience states fatal accident that literally ruined a small contractor, could have been avoided by simple safety adoption. **Simple tools to achieve transformation to a ' Accident Free Working' environment are-**

- 1 Reporting & Investigation** - Incidences of all categories Severe & Minor Accidents, First Aid and near miss cases should be reported and investigated to focus on contributing System factors. The outcome is to be shared with fellow workmen and remedial actions
- 2 Safety rules & Procedures** - Procedures should be clear and practical. Workers must be apprised of them.
- 3 Training** - Safety training is very effective, especially for new employees. Refresher training is to be arranged for old employees
- 4 Hazard Recognition** - Employees understand the potential hazards of their jobs.
- 5 Communication** - Accidents and near misses, Instructions, available PPEs & their use, hazards from chemicals handled & necessary Safety precautions for safe use to be communicated to the Employees
- 6 Safety audits and inspections** - They are to be conducted periodically to identify the Deviations and corrective actions are to be taken.
- 7 Employee Participation** - Employee Involvement for all safety related activities is to be encouraged
- 8 Review** - The outcome of the system is to be reviewed at regular interval for further improvement. Good efforts are to be appreciated.

The above view-point is shared by **Sajal Kanti Sengupta** Safety, Health & Environment Consultant, Auditor & Faculty. Author, graduated in Electrical Engineering from Bengal Engineering College Shibpur and subsequently attained Diploma in Management and Diploma in Industrial Safety. Worked in Durgapur Steel Plant for **38 Yrs in Maintenance & Production, Project Construction** and then **Safety & Fire Services**. He underwent a short term training in Safety & Occupational Health at Australia. Associated as Consultant with Alstom, Durgapur & RITES, Kolkata. Presently associated with Mackeill Ispat & Forging Ltd as Consultant and with Durgapur Society for Safety & Professional Education as Course Director & Faculty.



### Etc that matters

**Networking** is a buzz in Project and Project Management community. It appears in almost all agenda of seminars, conferences and Meetings. How many of us effectively execute this agenda? Is it a natural process or a groomed one! Rimjhim Ray an experienced corporate mind and chapter patron recently blogged on general tips and tricks of networking nuances. Enjoy reading her blog

[Orange-juice-drinker-to-avid-networker](#)

### Nominations open for India's most prestigious Project Management Awards

PMI India has established a number of awards to recognize and honor contributions to the Institute and for achievements in the project management field. PMI India administers the PMI Professional Awards Program. PMI India has come out with the following four awards which will be processed as part of the PMI Conference 2012.

- Project of the Year Award**
- Best Project of the Year - For Small and Medium Business**
- Contribution to the Community Award**
- Practitioner of the Year Award**



April 16, 2012	Call for Nominations
May 31, 2012	Last date for Initial Information Submission
July 15, 2012	Receipt of Award Application - as per specified format
September 28-30	Conference dates

For details regarding each of the awards and also for submission of nomination, please visit [www.pmi.org.in/conference2012/awards.asp](http://www.pmi.org.in/conference2012/awards.asp)

### Region 11 Annual Chapter Leaders Meet

Chapter Member Advisory Group (CMAG), Region 11 mentor and Region chapter leaders meet at Colombo , Srilanka for the annual Region LIM for 1.5 days in April 2012. Exchange of mindshare of Project Management across countries – its organizations, academics and people.

### Volunteer of the Quarter

Chapter appreciates all its volunteers driving the chapter regular and special drives.

Special Appreciation as "Volunteer of Quarter , Summer 2012" goes to Sanhita Mukherjee



She had been proficiently driving a few of the Chapter's Training initiatives. Congratulations to her!

PMI India has launched the Hindi version of the 4th edition of A Guide to the Project Management Body of Knowledge (PMBOK® Guide). The Hindi edition will benefit students, professionals and governments across states enabling them to adopt PM standards in projects where language was a barrier earlier.

Refer <http://www.pmi.org.in/pmbok-hindi/>



R11 Chapter Leaders Meet – April 2012

## Youth Connect

The Project Management Institute West Bengal Chapter has launched its first Annual Paper Presentation Contest “**Aspire 2012**”, for students. Articles are invited from students of esteemed technical and management institutes located in the region. The contest invites papers with original concepts and creative views on planning, execution, monitoring and/or controlling of project activities. The chapter intends to spread awareness about good project management practices in student community and appreciate young minds in the region from the platform of Aspire.

Topics - Reusing Lessons Learnt for similar projects | Building a winning team for a project| Challenges in executing projects in Social sector

**Last Date of submission - 5<sup>th</sup> July , 2012**

For queries, please email to [pmiwbc.aspire2012@gmail.com](mailto:pmiwbc.aspire2012@gmail.com)

OR call Nilanjan Chanda on 9830049413.

## Workshop



17th March 2012, PMI West Bengal Chapter hosted a day long workshop on Agile Methodology, Scrum and Project Management. Mr. Hiren Doshi (ACP, CSP, SSGB, PMP), a recognized expert in the practical application of Agile processes and engineering principles was the workshop coach. The workshop was attended by 32 Project Management Professional in a city hotel.

It was a very interactive workshop with participating practitioners exchanging similar challenges and varied workarounds. While this session was primarily a warm-up session to revisit basic nuances of Agile way of execution primarily in an IT world, at the conclusion of the workshop, participants were equipped with the fundamental principles of Scrum. The workshop was a pre-cursor to help prospective participants to improve readiness for PMI-ACP certification for regional practitioners in near future.

## Chapter welcomes our new members

- Deepankar De
- Bhaskar Dutta
- Somnath Dutta Gupta
- Rayan Ghosal
- Bhawesh Mishra,PMP
- Raja Mukhopadhyay,PMP
- Faisal Mumtaz
- Sumanta Pramanik,PMP
- Joydeep Rakshit
- Pathikrit Roy
- Deepty Sahu
- Subhrajit Datta Ray
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- Bishnu Bajaj
- Banaja Bhaduri
- Soumya Bhattacharya
- Partha Pratim Chakraborty
- Rajiv Chatterjee
- Amitava Chell
- Gautam Das
- Niladri Das
- Partha Pratim Das
- Sanjoy Das
- Sudipto Das
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## Hindi Edition of PMBOK 1.4



Original Price: ₹1660/-

Special Price: ₹500/-



Visit Chapter Website [www.pmiwbchapter.org](http://www.pmiwbchapter.org)

Share thoughts and suggestions to  
[Pmiwestbengalchapter@gmail.com](mailto:Pmiwestbengalchapter@gmail.com)



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