

# The IISSM News

*The International Institute of Security and Safety Management Newsletter*



## Editorial

Dear Readers,

Season's Greetings to you all!

Since last two years, the world has experienced one of the most difficult times due to Covid-19. Although it began in Nov. 2019, but the world came to know about it in Feb. 2020 and the actual heat was felt through 2021 & 2022. By this time, over 6 Million people have lost their lives (as per the official records). But those who survived face scores of challenges from physical to psychological to financial hardships. We have seen job losses, closure of schools and colleges, complete shutdown of railways, airspaces, borders and what not? Many of the businesses were shut and probably will never see the light of the day again. This kind of worldwide disruption has never been seen hithertofore.

As If these were not enough, war erupted between Armenia and Azerbaijan amidst the Pandemic. While the Pandemic isn't over yet, another war is ON for over a month between Russia and Ukraine. We are not going into the geo politics, who is right or wrong etc? Only thing we can say is that the fall out of this war can be dangerous for the humanity. We have seen how the students of foreign countries were caught in the middle and flight of the common populace out of Ukraine. It is an irony that even after a month of the war, not a single serious mediation has taken place. The problem is that both the super powers of cold war era are at loggerheads. Unfortunately, the people and the army of Ukraine are pitted against the might of Russia. The Ukrainians are fighting a losing battle on behalf of one side which is using them as cannon fodder. For the super powers, people and place of fight (in this case, Ukraine) is of no consequence, it can be some other country tomorrow so long as missiles and bombs are not targeted to their homelands. In this whole ballgame, international peace is under serious jeopardy.

It is indeed a matter of pride that our government did a great job and evacuated all the Indian students and some other countries too. Never in the history of modern India, our national flag, the Tri-colour, felt so valued and dear. Any one carrying Indian flag was given a clear passage; even Pakistani students used our Tri-colour as a passport to get out of the war zone.

While India has stalled the third wave of Corona, but a new variant (a mutation of Delta and Omicron) has surfaced and ravaging the Eurasian countries like UK, Germany, France, Italy, Ukraine, Russia etc and some of the ASEAN nations like South Korea, Japan, Vietnam and Hong Kong are badly hit. Shanghai city is shut down and thus seriousness can only be imagined. The experts are predicting that India may be hit again by the mid of summer. Fortunately, India would have crossed 2Bn of doses of vaccines and a sizable number of Booster doses administered. Thus, India appears to have well fortified itself against the Corona, but nothing can be said for sure.

This year weather wise, the month of March has seen unusually warm and temperature has reached to 40 degree Celsius, which is generally seen in May-June. This kind of environment can neither be good for an individual nor for the business and industries. Nevertheless, we need to continue our efforts and keep the spirits high. There is always a hope because every dark tunnel has an end. With this hope, Let me wish you a very Happy, healthy and prosperous Chaitra Nav Ratri, Ugadi, Gudi Padwa, Baisakhi, Poila Biashakh to all.

Jai Hind!

Col (Dr.) MP Sen

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## OBITUARY

Mrs. Kumkum Sagar, Wife of Lt Gen Prem Sagar (Retd), former DG, IISSM has left for heavenly abode on 14 March 2022. She has been unwell for some time. On behalf of the Chairman IISSM, we express our heartfelt Condolences to the General officer and the family. May God bless the Soul.

She had been associated with the IISSM family for over a decade plus and contributed greatly in organising the International conclaves and seminars. She was very kind hearted person and bestowed her love as a mother to all the staff in the IISSM. We will miss you Madam! May you attain the 'Moksha'.



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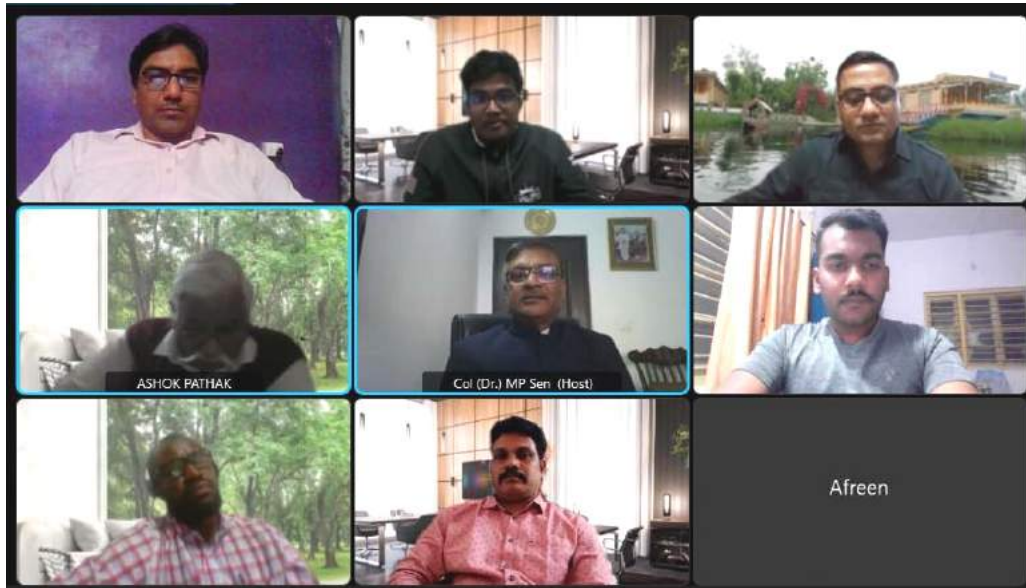
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## Certified Security Practitioners' Course (VC)



The IISSM has conducted first Certified Security Practitioner Course for the year 2022 was held from 19-20 & 26-27 Feb 2022 (Weekend Course) on virtual platform. The participants were from Bellari (Karnataka), Bokaro (Jharkhand), Delhi NCR, Bengaluru & Abuja (Nigeria).

The sessions covered the topics like Fire safety Management, Risk Management, Disaster Risk Management, Fire Safety Management and Evacuation (National Building Code and NFPA Standards), IEDs and Bomb threat handling, Technological Application in Security Management, Bank, Hotel, Mall and Hospital Security, Incidence Response System & Crisis Management Framework, Corporate Vigilance - Overview & Preventive Aspects, Arms Act and Arms Licensing, PSAR Act - 2005 - Need for review, Executive Protection and Role of PSOs, Cyber Security & Data Protection, and Business Continuity Planning. In addition, a Class Room Crisis Simulation Exercise, on Flood Situation Management was conducted which was highly appreciated.

The Case Study on Fire Accident in a Hospital, IED Handling, Cyber Security and Classroom Exercise received an Excellent Response from the Participants.

The Faculty Members who conducted the Course were:

**Brig AK Pathak (Retd) and Col (Dr.) M P Sen (Retd): IISSM Faculties**  
**Brig (Dr.) V K Dutta (Retd): Guest Faculty; Col Sumit Monga (Retd): Guest Faculty**

All four Participants have also written a paper which has been a compulsory part of the assessment and training in the CSP courses. The participants have shown great interest in our activities like Seminars, Conclaves and Membership in addition to future association.

Overall, the course was very well appreciated.



**Mr Daniel Patrick Ogwude,**  
**Security Specialist,**  
**Management Systems**  
**International, Abuja, Nigeria**  
"The overall assessment is rated  
as excellent."



**Lt Col Amit Kumar**  
**Singhal, Indian Army,**  
**Noida**  
"Very Professionally  
conducted."



**Mr Nitin Kumar Singh,**  
**Security Officer, ESL**  
**Steels Limited, Vedanta**  
**Limited, Jharkhand**  
"Well, structured program  
and cover's all vertical of  
security function."



**Mr M Tejas, Regional**  
**Security Operations Center**  
**Analyst, G4S Secure India**  
**Pvt Ltd, Bengaluru**  
"Learnt many things which  
were very new to me and this  
program will definitely help me  
built my Career in a better and  
a significant way".

# SECURITY CHALLENGES IN THE STEEL INDUSTRY

By

**Ravi Kumar Muddana (CSP Student, Feb 2022)**

## SECURITY RESPONSIBILITIES:

The operation of a steel plant requires careful attention to safety, security and safeguards. Security is aimed at preventing intentional acts that might harm the steel plant or result in the theft of materials. Security personnel play a very important role in the steel plant and they are an integral part of the management team.

The levels of control required to be provided for security of the steel plant are to be suitable and to meet the threat environment, give proper protection to information, people and physical assets, and to provide assurance to management, employees and various agencies working in the steel plant about safe and secure environment.



With technological advancement, steel plant operations have become very complex and there are multiplicities of factors which affect production adversely. Some of these factors are given below.

- **Internal security issues**
- **External threats**
- **Law and order situation**
- **Industrial labour unrest**
- **Regional/local pressures**
- **Production, stocking and marketing under difficult conditions**
- **Inadequate integrity and character in the employees**

The losses and damages which the steel plant may suffer constitute the real threat to the survival of the plant. These threats arise from robbery, criminal trespass, thefts, pilferage, fire, acts of vandalism, fraud, mischievous damage, industrial espionage, subversion, strikes, agitations, civil commotion, riots, other law and order problems, and man-made or natural disasters. Due to all the reasons described above, it is essential that a strong and effective security wing of the steel plant is built up, nurtured and looked after very carefully, in the best interests of industrial peace and smooth production in the steel plant. Proper security planning is to be done even at the design stage.

Security in steel plants includes the following:

- Threat perception and risk analysis
- Access control and perimeter protection
- Application of security systems
- Gate control and prevention of infiltration
- Prevention of entry of unauthorized persons in the vital installation areas where critical and sensitive equipments are installed
- Security of assets, premises, and storages and protection against sabotage, espionage and fire.
- Security of materials (raw materials, in process materials, finished products, stores and spares etc.) along with plant and equipment.
- Security against theft and pilferage of materials and products and other industrial crimes
- Patrolling of the peripheral roads and those area where there is lesser human traffic

- Participation in crisis management and emergency management
- Security of personnel and protection of management
- Internal intelligence and protection of classified and sensitive information
- Security audit
- Prevention of the deterioration of law and order in the plant and to have crowd control
- Training of personnel in security matters.

**Security precaution in the steel plant includes the following:**

- Ensuring the entry of authorized persons/vehicles in the premises of the steel plant.
- Regular rehearsal of contingency plan to face eventualities
- Interaction with state intelligence machinery for operational preparedness.
- Observance of good housekeeping practices
- Controlling the security of all sensitive locations inside plant areas

Steel plant employs thousands of people. Further a large number of contracting agencies and contract workers are working in the plant. Hence security arrangement in the steel plant must use not only physical means such as fences, walls, gates, and other barriers, but also must employ means to screen all persons entering the gates to determine their right to be on the premises. The extent to which this personal inspection and screening is required depends upon the degree of security that is necessary in order to prevent unauthorized persons from attempting to steal, damage, interrupt or compromise the production processes. The device usually employed at gate to allow regular employees to enter the premises without undue delay is an authorized pass or badge bearing the wearer's name, photo, employment number, thumb print, plant official's signature, and other identifying data. Visitors, vendors, contractors, and others desiring to enter the plant on business must first adequately identify themselves before they are given a temporary pass.

**Standard security gadgets which are normally used by the security personnel include the following:**

- Closed circuit television (CCTV) camera and perimeter intrusion detection system (PIDS) camera
- Walkie-Talkies and VHF network
- Hand held Metal Detectors (HHMD) and Door Frame Metal Detectors (DFMD)
- Tyre Rippers/ Spike Barriers / Trolley Mirrors
- Bullet proof jackets with helmet
- Turnstile gates with thumb reader
- Dragon search lights / Night vision devices
- X-ray Baggage Inspection System (X-BIS)
- Explosive Detector/ Bomb blankets / Dog squad

**Some of the standard physical security measures include the following:**

- The standard height of the perimeter wall is to be 10 feet with concertina coil fencing of 02 feet.
- The vegetation needs to be pruned at regular intervals.
- Proper lighting arrangement in and around the perimeter wall is needed especially in night hours.
- Movement of employees/ contractor/ labourers/ visitors / vehicles is to be regulated at the gates, viz. separate gate for men, vehicles and materials. All vehicles are to be checked for what they are carrying.
- To prevent any forcible entry of vehicles, gates are to be provided with iron barriers, drop gates
- Regular patrolling by the 'Quick Response Team' round the clock.
- Integrated control room with proper communication facility and CCTV /PIDS room for surveillance
- Deployment of personnel in plain cloth for collection of intelligence.
- Computerized pass system for contractors/ labourers and materials- character and antecedents (C&A) verification- a must to prevent any unauthorized element inside the steel plant.
- Computerized visitor pass system.

At the same time, it has to be ensured that security controls do not hamper the operations of the steel plant. All security personnel must aim at the self-discipline along with the employees instead of relying heavily on rigid controls. Each employee is required to be motivated to feel that he is also a part and parcel of the security management, with the only difference that the security personnel work on whole time basis with the full backing of their professional expertise. Leadership in security matters is to be demonstrated at the highest levels of the management in the steel plant and must be achieved by means of an effective management system.

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**Other methodologies adopted for the security management in the steel plant are:**

- Threat perception and risk analysis is done keeping in mind the background of the plant location and the local law and order situation. Both external and internal threats are taken into account to draw analysis. Help of local police and other local authorities is taken if required.
- Regular security audits are carried out on the methods, procedures and practices of security in the steel plant. Adequacy of the system is evaluated during these security audit and loopholes are identified for taking effective corrective actions.
- Requirement of security manpower and gadgets is regularly to be updated and actions are taken for acquiring the gadgets in case existing gadgets are found to be inadequate. There is to be an optimum mix of men and gadgets without losing the sight of the financial implications.
- All the existing gadgetry is evaluated and improvements needed along with the new gadgets and their integration is identified.
- Securities procedures are worked out defining the duties and responsibilities of the security personnel.
- Crisis management schemes are designed based on the requirement and the drill to be followed while drafting.
- Threat perception with regard to internal theft of the materials as well as plant and equipment are also given due attention.
- All the measures required to strengthen the existing system need to be identified. It involves not only physical protection measures but also document security, prevention of leakage of the valuable information and inventory movement.
- Procedures on movement of incoming and outgoing materials and finished product movement are streamlined. Existing security aspects involving raw material and finished product movements is evaluated regularly and suitable corrections are made in the procedures to strengthen the system
- Deployment of manpower and pattern of deployment along with their duties and responsibilities are worked out. Monitoring plan of security guards is also a part of this exercise. Operating procedures for various duty points are made wherever required.
- An internal audit procedure for evaluating the security systems is developed. This includes exhaustive checklists and analytical formats.
- An internal intelligence collection system is made wherever required after evaluating the existing systems and activities of various groups working at the establishment.

**Conclusion:**

An integrated security system for the steel plant consists of a series of protection schemes, security techniques, devices and controls which take care of plant layout, sensitive areas of the plant, the topography, environment, demographic factor and all other socio-economic as well as geopolitical aspects. The management and the employees are to have confidence in the security system. Further security system need to be reviewed periodically to ensure that it is functioning effectively.

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