

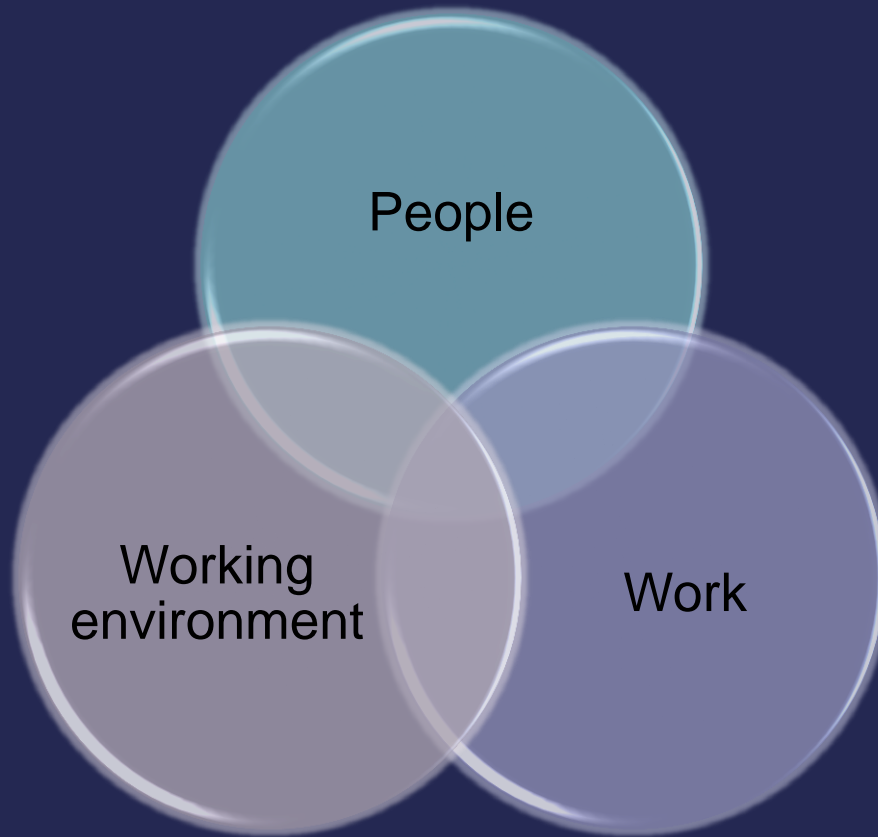
**HEALTH SURVEILLANCE AND  
INDUSTRIAL PROSPERITY -  
A RETROSPECTIVE ANALYSIS  
AT  
TARAPUR MAHARASHTRA SITE (TMS)**

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# INTRODUCTION

- ⦿ Globalization and increased job avenues
- ⦿ Work pressure also increased
- ⦿ New occupational health hazards
- ⦿ Health surveillance is important
- ⦿ Good ergonomics and disease prevention

- Health surveillance is a triad of the following :



# AIM AND OBJECTIVE

- ① Identification of work related problems
- ① Suitable job adjustments
- ① To stick to the objective of occupational health  
i.e. “the worker shall live to enjoy the fruit of his  
labour”
- ① To ensure employee wellbeing and industrial  
prosperity

# MATERIAL AND METHOD

- ⦿ Job adjustment cases at TMS
- ⦿ Data is from various agencies
- ⦿ Occupational health records

# RESULTS AND DISCUSSION

- ◎ Few cases like epilepsy, glaucoma, musculoskeletal disorders, neurological disorders and psychiatric illnesses were identified and job adjustments were carried out in such a way that the psychological wellbeing of the employees are maintained without hampering the industrial prosperity.

# CASE NO. 1

- ⦿ Employee details : 50 Years / Male / SA/D, working in QA and as crane operator also.
- ⦿ Disease: Increased Frequency of micturition later diagnosed as bladder outlet obstruction and was operated.
- ⦿ Conditional Fitness issued to operate crane from shop floor only.

## CASE NO. 2

- ⦿ Employee details : 43 Years / Male / SO/E, was working in control room in 2009.
- ⦿ Disease: Post Traumatic seizure disorder after head injury in 2009, on anticonvulsant medications.
- ⦿ Caution Fitness issued 'he should not work with moving machinery, in isolation, near fire and water. He should neither be put on work at height nor in shift, as change in circadian rhythm may affect his sleep pattern and hence precipitate convulsions'.
- ⦿ Job modification done, now the employee is working in Technical section.



## CASE NO. 3

- ① Employee details : 34 Years / Male, SO/D, working in TSS section.
- ① Disease: Non cirrhotic portal fibrosis, Portal Hypertension, Diabetes Mellitus.
- ① Conditional Fitness: Previously he was working as control room engineer, after diagnosis of disease his fitness for operation license was reviewed and declared unfit. Job modification was done.

## CASE NO. 4

- ⦿ Employee details : 45 Years / Male / Helper/C, working in Civil Section Township.
- ⦿ Disease: CD4 Positive.
- ⦿ Conditional Fitness : He was diagnosed as CD4 Positive case in year 2001. At that time he was working as Swimming Pool Guard. After diagnosis recommend for job modification to work in dry areas. At present he is working in Civil Section at Township.

## CASE NO. 5

- ⦿ Employee details : 33 Years / Male / Tech /B, working in Chemical lab.
- ⦿ Defect : Partial Red Green Colour Blindness.
- ⦿ Conditional Fitness: Employee came to hospital with complaints of difficulty in interpretation of chemical reaction results during analysis. He was diagnosed as a case of Partial Red Green colour blindness. He was recommended for job modification to the areas where fine discrimination of colour is not required.

## CASE NO. 6

- ⦿ Employee details : 27 Years / Male / SO/D, working in TSS department.
- ⦿ Disease: Idiopathic Vasculitis with Vitreous Hemorrhage.
- ⦿ Previously employee was working as control room engineer. He reported to hospital with sudden loss of vision in 2013. He was sent to higher centres and diagnosed as a case of **Idiopathic Vasculitis with Vitreous Hemorrhage**. Treated with steroid and lasers. As his vision was not improving beyond 6/24 and progressive nature of the disease, he was recommended change of job.

## CASE NO. 7

- ⦿ Employee details : 33 Years / Male / SA/B, PREFREE, BARC (T).
- ⦿ Disease: Gait Ataxia.
- ⦿ Employee presented with complaints of imbalance while walking since one year. He was referred to higher centres for neurological opinion. He was diagnosed as a case of **Gait Ataxia**.
- ⦿ He was recommended not to work in isolation and in sensitive areas.

## CASE NO. 8

- ⦿ Employee details : 48 Years / Male / Tech /F, ESL.
- ⦿ Disease: Multiple myeloma.
- ⦿ Employee was working as driver in ESL and presented with history of recurrent back pain and constipation.
- ⦿ On thorough investigation he was diagnosed as a case of **Multiple Myeloma**.
- ⦿ He was recommended not to drive vehicle, now he is doing sedentary work at ESL.

## CASE NO. 9

- Employee details : 57 Years / Male / SA/C, Civil Section.
- Disease : Glaucoma Both Eyes.
- Employee was working as crane operator and during his vision testing by Titmus vision tester, his **peripheral field of vision was found to be abnormal.**
- He was further evaluated and diagnosed as a case of **Glaucoma.**
- He was recommended not to operate crane .
- Now he is posted in Civil Section, at Township.

# CASE NO. 10

- ⦿ Employee details : 54 Years / Male / Foreman/C, MM.
- ⦿ Disease : Anxiety Depression due to Marital Discord.
- ⦿ Employee was working as crane operator, two years back. He started complaining of palpitations and hallucination. Immediate psychological counseling and later on psychiatric treatment extended to him. He was made unfit to operate crane and job change was recommended for him.



# CASE NO. 11

- ⦿ Employee details : 50 Years / Male / SO/C, OPN.
- ⦿ Defect : Abnormal stereo depth perception.
- ⦿ Employee was selected for crane operation, as a routine practice for EOT fitness Titmus vision testing was done and it was found that his **stereo depth perception was abnormal**. He was made unfit to operate crane and job modification was recommended for him.

## CASE NO. 12

- ⦿ Employee details : 42 Years / Male / Constable, CISF.
- ⦿ Disease: Depression.
- ⦿ During periodic medical examination he was referred to psychiatrist for symptoms of depression. Psychiatrist evaluated the case and diagnosed as a case of depression and started treatment. He was further recommended for modified fitness and exemption from weapon handling.

# CONCLUSION

Proper health surveillance gives a better standards of care to the employees as they are under constant vigil of trained occupational health professionals and liaison agencies like MSW, HR, psychiatrist and safety section.

These agencies can collectively help the employees to create personalised plans to help them when they need job adjustments in a way that suits them.

The timely intervention of the certifying surgeons and other agencies helped to identify the problems faced by employees and to take proper care of each case there by the well being of the individual employee is maintained and industrial prosperity is assured.



**THANK YOU**