

Online Talk on “Fuels & Combustion in Steam Generator Burners”

Date : 23rd & 24th July 2021 (Friday & Saturday)
Time : 10.30 a.m. – 2.30 p.m.
Venue : ZOOM Application
Speaker : Mr. Sanjay Jumde, Chartered Engineer (India)

Synopsis

Steam Generators are an essential part of most industrial and power utility plants. They are the source of transportable energy in the form of steam. Combustion of fuels in burners is the heart of that process and therefore deserves a great deal of knowledge-based attention and upkeep. A steam generator is typically a static equipment which means once built, the operation teams have no scope for change in its configuration or heating surface distribution. However, there is one dynamic component that offers a significant degree of adjustments to improve the reliability, efficiency, and economics of operation of the steam generating system. And that is the fuel combustion system.

This webinar will focus on the fuel combustions systems in steam generators. The subject shall be covered by splitting in the following sub-topics:

Tentative Programme		
Time	Day 1 – 23 rd July 2021, Friday	Day 2 – 24 th July 2021, Saturday
10.00 a.m. – 10.30 a.m.	Registration	Registration
10.30 a.m. – 10.35 a.m.	Welcome Speech by IEM(SB) Organizing Committee	Welcome Speech by IEM(SB) Organizing Committee
10.35 a.m. – 12.15 p.m.	<ul style="list-style-type: none"> • Common fuels used in industrial boilers • Genesis & classification of fuels • Fuel characteristics and assessment 	<ul style="list-style-type: none"> • Operational assessment of combustion – basic monitoring tips with rationale • Burner arrangements in steam generator Furnaces • Case Study: Impact of incorrect burner setting on super heater tube failures
12.15 p.m. – 12.25 p.m.	BREAK	BREAK
12.25 p.m. – 2.00 p.m.	<ul style="list-style-type: none"> • Principles of combustion – solid, liquid and gaseous fuels* (* This webinar will cover liquid & gaseous fuels as the primary subject) • Burner types, selection, and key operation parameters 	<ul style="list-style-type: none"> • Hazards associated with fuel firing in steam generators • Burner Management System – a broad overview
2.00 p.m. – 2.30 p.m.	Question and Answer	Question and Answer

About the Speaker:

Mr. Sanjay Jumde obtained his degree in Electrical Engineering from National Institute of Technology, Kurukshehra (India) in 1981. He started his career as a power plant commissioning & start-up engineer with Bharat Heavy Electricals Limited (BHEL) – the all-under-one-roof giant that produces power plant equipment in India. In the field, he initially worked on Controls & Instrumentation of 210MW and 500MW boilers and eventually took charge of commissioning & start-up of the entire boiler system.

After more than 10 years, in 1991 he joined as Head of Commissioning Dept. of Thermax Babcock & Wilcox – a new JV between Thermax Ltd of India and Babcock & Wilcox Inc. of USA. After setting up their commissioning department from the scratch, he moved into troubleshooting and R&M of industrial and power utility boilers in India and the Asia Pacific. In that role he was responsible for identifying ailing boilers, conducting engineering studies, developing, and selling a techno-commercial solution to the customer and supporting the project execution until performance guarantee demonstration.

Among several such concept-to-commissioning R&M projects, he also worked on boilers in Malaysia’s O&G industry including PETRONAS which became his next career destination. He joined PETRONAS in 2006 and handled several ailing boilers for R&M improvement across PETRONAS plants in west and east Malaysia. PETRONAS has commended him on many occasions his contributions to troubleshooting of operating equipment and training of O&M engineers.

After putting in 11 years with PETRONAS he joined General Electric Power Business Division at KL in 2017. There he partook GE’s sales activities in developing Asia Pacific market by understanding prospective customers’ boundary conditions and advising them on best solutions from GE’s coal fired power plant product line-up.

Participant Fees:

	Day 1 & 2 (Friday & Saturday)	1 Day only (Friday or Saturday)
IEM Member	RM 70.00	RM 50.00
IEM Student Member	RM 30.00	RM 20.00
Non-Member	RM 150.00	RM 100.00

Closing Date: 21st July 2021

The webinar is strictly limited to **90 participants** only. Registration will be on a first come-first-serve basis. Kindly return the reply slip to the IEM (SB) office before **21st July 2021** together with a non-refundable cheque for the participant fees made payable to **The Institution of Engineers, Malaysia (Southern Branch)**. Alternatively, you could bank-in the participant fees into the Institution’s Maybank Current Account (No. 5-013920-15708), and to facsimile both the Bank-in and Reply Slips to the Institution. The Institution requests all members co-operation in ensuring fees are paid in advance to the seminar. Please also be reminded that fees will not be refunded to absent participants who have paid, and to also note that all reservations must be paid despite participant cancellations. Thank you for your continuous support of the Institution.

Chairman, Sub-Committee on Seminar and Technical Talk, IEM (SB)

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Via ZOOM Application

Details of Online Login ID will be provided after registration

I wish to attend the above talk. I enclosed herewith a cheque no..... for the amount of RM..... as payment for the participant fee.

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