

Resume

Summary

I am currently heading operations as Senior Vice President (Operations) at Jindal SAW Ltd., Samaghogha, India large diameter facility. This facility consist of 1500+ employees and produces SAWL, SAWH large diameter line pipe of Carbon steel ranging from 16" to 120" diameter, connector casing, Hot Induction bends, stainless steel pipes diameter ranging from 10" to 72" and Clad pipes diameter ranging from 6" to 42" through weld overlay and roll bond rout for Oil and Gas and water transportation industry. This facility is also having anti-corrosion and internal flow coating namely 3LPE, 3LPP, Dual Layer Fusion Bond Epoxy and internal Fusion Bond Epoxy coating. My responsibility includes emphasis on environment, Health and Safety as well as productivity improvement through identifies the area for growth through product development, modification and technology up gradation to enhance the productivity and increment in the product quality.

I did my doctorate work on API ultra high strength steel line pipe manufacturing. I have published various Research and Developmental publications in national and international Journals. The research work on line pipe particularly the J-C-O-E forming process and welding metallurgy of line pipe steel and its weld.

WORK EXPERIENCE: -

Company	Place	Designation	Duration	Total(Yrs)
Mukat Pipes Ltd	Rajpura (Punjab)	Graduate Tr. Engineer (QA and Welding)	1995-96	01
Man Industries (I) Ltd	Indore (M P)	Welding Engineer	1996-98.	01.4
WELSPUN Gujarat Stahl Rohren Ltd.	Bharuch (Gujarat)	Sr. Manager (Opns /QC)	1998 -2006	09.0
Jindal SAW Ltd.	Samaghogha (Gujarat)	Vice President (Operations)	2006 – Till Date	11.6

ACADEMIC PROFILE: -

M. Sc. Materials Science From Thaper Institute Of Engineering and Technology Patiala-A Deemed University (**Three year Co-Operative Programme Incorporating one year of Industrial Work-term and Two years of academic Component**).

Professional diploma in Manufacturing and Operations Management. From All India Management association in Collaboration with American Management association, USA; Jan. 2001 to June 2001 with **"A" GRADE.**

Ph D from M S University of Baroda on Uultra high strength steel line pipe manufacturing.

Experience Highlights (LSAW, HSAW and Coating)

- Reduction in RAW material consumption in pipe mill and coating Plants
- Establishment of the various welding procedures for stringent line pipe manufacturing specifications
- Developed various wire-flux combinations for line pipe weld to reduce the cost and enhancement of weld properties
- Produced the line pipe for Enterprise field services USA, as Production Head with zero repair and ± 0.5 mm ovality, peaking and diameter variation for size 20" and 24", thickness ranging from 19mm to 35mm and grade X-65M offshore.
- Development of new line pipe grades and line pipe manufacturing forming and expansion procedures.
- Various failure analyses of line pipe and other materials used in line pipe manufacturing.
- Mechanized Dual Layer Fusion Bond Epoxy coating on Hot Induction bends.
- Enhancement of mechanical properties in Hot Induction Bends.
- Establishment of Stainless steel and clad pipe production.

Research Work and Participation

1.	Welding of high strength steel X-80M. <u>J D Chandel</u> . IIW National welding Conference Dec. 2003.
2.	Effect of welding variables on high strength steel line pipe X-80M. <u>J D Chandel</u> . International Symposium On Joining Of Materials (SOJAM) July 2004.
3.	"Effect of spring back on formation of high strength steel X-120M line pipe manufacturing through JCO Route". <u>J D Chandel</u> , N L Singh. Proceedings of Pipe Line steel Seminar - (November- 2010) 131-149.
4.	School Manager (1400 Children up to 10+1) of Sh. O P Jindal Vidya Niketan Since Sept. 2010.
5.	"Formation of X-120M line pipe through J-C-O-E Technique". <u>J D Chandel</u> , N L Singh. Journal of Scientific Research Publication, Engineering, USA, Volume # 03, No. 04 April-2011, Page # 400-410.
6.	"Characterization of X-120M pipeline steel". <u>J D Chandel</u> , N L Singh. Journal of Petroleum and Gas Exploration Research USA, Volume # 1(2) page # 072-079, December, 2011.
7.	"Behaviour of tensile testing of X-120M Steel from plate to line pipe due to Bauschinger Effect". <u>J D Chandel</u> , N L Singh. Global Journal of Science Frontier Research Physics and Space Science Volume 12 Issue 2 Version 1.0 February 2012, Global Journals Inc. (USA), Page # 31-36.
8.	"Scanning electron microscopy of submerged arc welding Heat affected zone in X-120M line pipe". <u>J D Chandel</u> , N L Singh. International Symposium On Joining Of Materials (SOJOM) January 2012, ICA-109, Page # 1-14.
9.	"Characterization of submerged arc welding heat affected zone in X-120M line pipe steel by light microscopy". <u>J D Chandel</u> , N L Singh. Journal of Indian Welding Society, March- 2012, Page # 25-35. India.
10.	"Optimization of submerged arc welding heat affected zone toughness in X-120M line pipe steel". <u>J D Chandel</u> , N L Singh Global Journal of Research in Engineering (GJRE). USA Mechanical and Mechanics Engineering Volume 12 Issue 4 Version 1.0 2012.
11.	"Transmission electron microscopy of submerged arc welding heat affected zone in X-120M line pipe steel". <u>J D Chandel</u> , N L Singh. 1 st Middle East pipeline steel conference, Dubai, 08 - 10 October - 2012.
12.	"Transmission Electron Microscopy of Longitudinal Double Submerged Arc Weld (LDSAW) of X-120M Line Pipe". <u>J D Chandel</u> , N L Singh. International Conference On Advances in Materials and Processing Challenges and Opportunities (AMPCO 2012) 2 - 4 Nov. 2012. Indian Institute of Technology Roorkee Roorkee-247667, INDIA
13.	"1 st Middle East pipeline steel conference Review Board member " for international conference organized by IIT Knowledge Expansion, Dubai, 08 - 10 October - 2012.
14.	"AMCPO-12 Review Board member " for international conference organized by IIT Roorkee 02-04 Nov. 2012.
15.	" Guided two students for M. Tech. thesis " of Indian School of Mines Dhanbad 2013.
16.	Delivered Evening lecture on "Transmission Electron Microscopy of Submerged Arc Welding Heat Affected Zone in X-120M Pipeline Steel", at IIW Vadodara Branch. About 22 members were present during lecture, 7th December 2013 at Hotel Nidra,
17.	My Biography has been published in Marquis Who's Who in the World 2015 -32nd Edition on 31.12.14. Marquis Who's Who in the World is associated with News Communications Inc.
18.	Structural Integrity of X-80M DSAWH Line Pipe for Lower Temperature Service. Dr. Jai Dev Chandel; Kamal Kishore. P-27-30. World Pipelines, November 2015.
19.	High Strength line pipe Steel for future pipelines. Dr. Jai Dev Chandel; Invited Speaker at 6th Welding Research and Collaboration Colloquium of International Institute of Welding, 7-9 April 2016, Hyderabad, India.
20.	High Strength API-5L (X-70M and above) Helical SAW Welded Line Pipe for Oil and Gas Services. Dr. Jai Dev Chandel; Rahul Dev Sharma. Iranian Steel Tube & Pipe Conference, Tehran, Iran 24 - 25 May 2016 organized by Metal Bulletin.

PERSONAL PARTICULARS

Name : **Dr. JAI DEV SINGH CHANDEL**
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