

List of Abbreviation

ESSC	Electro Slag Strip Cladding
SASC	Submerge Arc Strip Cladding
SMAW	Shielded metal arc welding
SAW	Submerged Arc Welding
ESW	Electroslag welding
(FCAW	Flux cored Arc welding
PAW	Plasma Arc Welding
DCEP	Direct current Electrode Positive
DCEN	Direct current Electrode Negative
WS	Welding speed
CZ	Carburized zone
FZ	Fusion zone
IF	Interface
CD	Clad
BM	Base Metal
HAZ	Heat Affected Zone
Fe-Cr	Ferro Chrome alloy
OCF	Open Circuit Potential
ASTM	American Standard for Testing Material
PWHT	Post Weld Heat Treatment
LTA	Low temperature ageing

RPV	Reactor Pressure Vessel
Mpy	Mills per year
HV	Hardness Value
VHN	Vicker Hardness Number
IGC	Inter-granular Corrosion
SCC	Stress Corrosion Cracking
SEM	Scanning Electron Microscope
EDAX	Energy Dispersive X-ray
SE	Secondary electrons
BSE	Back-scattered electrons
CL	Cathode luminescence
SCE	Standard Calomel electrode
EDM	Electro Discharge Machining
EPR	Electrochemical Potentiokinetic Reactivation