





Industry & Facilities Division  INSPECTION REPORT Nr: ECL/BV-KOL/IR/013	Page 1 of 2
	<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Final
BV Job no: IND.K.4.11.0024, R1	

PROJECT: -----	Accepted Offer Dt. : 25.03.11 thru mail
BV Client: M/s Electrosteel Castings Ltd.	P/o nr:
Manufacturer / Supplier : M/s Electrosteel Castings Ltd.	Order Ref. : Nil
Inspection requested by: M/s Electrosteel Castings Ltd.	

SUPPLY / SUBJECT OF INSPECTION	Serial Nr	QTY
PERFORMANCE TEST OF BOLTED RESTRAINED PUSH ON JOINT DN 800 PRESSURE CLASS 25	Sample Id No. 800.PINT.RJT.2

DOCUMENTS OF REFERENCE : See continuation sheet for additional documents: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Title	Reference n°	Rev.	Approved by	Year
Standards	EN 545 : 2010, ISO 2531 : 2009, ISO 10804 : 2010	-	-	

INSPECTIONS :	Results of Inspection : <input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory
<u>Inspection place & Date or Period:</u> Electrosteel Castings Ltd. 30 B T Road, PO.Sukhchar, Pin 700116, Kolkata, India.	Ready for despatch : Not applicable <u>Non Conformities Reports (NCR):</u> o NCR's issued during reported period : Not applicable o List of outstanding NCR's : Not applicable
<u>Stage of inspection :</u> <input type="checkbox"/> Before manufacturing <input type="checkbox"/> During manufacturing <input type="checkbox"/> Final <input type="checkbox"/> Packing	<u>Main Conclusions & Remarks:</u> (for details see continuation sheet) Nil.
<u>Kind of inspection:</u> <input type="checkbox"/> Pre-inspection meeting <input checked="" type="checkbox"/> Witnessing tests <input type="checkbox"/> Final inspection <input type="checkbox"/> Document review <input type="checkbox"/> Expediting & vendor assessment <input type="checkbox"/> Packing (for details see continuation sheet)	<u>Next visit scheduled:</u> ---Not applicable
<u>Stamping:</u> <input type="checkbox"/> No <input type="checkbox"/>  <input checked="" type="checkbox"/> 	

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Supply/Subject of inspection:-

The Performance Tests of Socket and Spigot Bolted Restrained Push On Joint manufactured by **ELECTROSTEEL CASTINGS LIMITED, INDIA** have been carried out accordance to **EN 545:2010, ISO 2531:2009 and ISO 10804:2010** and have given the following result.

ASSEMBLY	TEST	Pressure	Duration	Condition	Result
PUSH ON JOINT DN 800 PRESSURE CLASS 25 (PFA 25bar)	Positive internal hydrostatic pressure as per Clause 7.2.2 of EN 545:2010 and Clause 7.1 of ISO 2531:2009	42.5 Bar	2 Hrs	<ul style="list-style-type: none"> • With Shear Load • Maximum Annular Gap • Minimum Pipe Thickness 	Conform
	Positive internal hydrostatic pressure as per Clause 7.2.2 of EN 545:2010 and Clause 7.1 of ISO 2531:2009	42.5 Bar	2 Hrs	<ul style="list-style-type: none"> • Deflected • Maximum Annular Gap • Minimum Pipe Thickness 	Conform
	Cyclic Internal Hydraulic Pressure as per Clause 7.2.5 of EN 545:2010	Cyclic between 25 bar to 30 bar	24000 Cycles	<ul style="list-style-type: none"> • With Shear Load • Maximum Annular Gap • Minimum Pipe Thickness 	Conform

Note: The Performance Test of DN 800 is representative of ELECTROSTEEL DUCTILE IRON pipe range of DN700-DN 1000 with the same Joint

ANNEXES Yes (Total number of pages: 00. No

Witnessed by: Name : Indrajit Das Report issued by : Indrajit Das Date of issue : 01.03.2012 Inspection centre: BV Kolkata		Checked by: Name : Indrajit Das
Distribution: <input checked="" type="checkbox"/> ECL <input checked="" type="checkbox"/> BV - Kolkata		