ASDS/04-75 No.: 15169 Time : 16-02-17

SHENDA RAILWAY EQUIPMENT CO., LTD

CERTIFICATE OF QUALITY

This is to certify that the products under Contract have met AREMA Volume1 Chapter4 Section3.4 specifications for quenched carbon steel joint bars.

Description: 136RE head free toeless, 8 hole 48" joint bars punched round, Hole spacing 6 "×6 "×6"×7-1/4"×6"×6" ×6".

Ex-work Date: Feb 2016

Inspector:

Checking:

In Charge:

TEST REPORT

Joint bar MarK;

drawing No:

Material No; 42CrMo

No/S	Heat Treatment No	Charpy v-notch(-40) J	Quantity (pairs)	Chemical Composition C %	Mn %	P %	S %	Mechanical Property Tensile Strength Min966MPa	Yield Point Min759 MPa	Elongation Min 12%	Reduction of Area Min 25%	Bent cold through 90 Deg
1	2281115		348	0.39	0.56	0.015	0.009	1005	925	18	47	qualitied
2	3291115		500	0.41	0.57	0.016	0.011	1160	1075	18	55	qualitied
3	4291115		456	0.42	0.57	0.014	0.012	1150	1055	18	57	qualitied
4												
5												
6												
7												
8												