Mr. **Julián Pereda Ruiz**, Construction and Project Director of the Energy Directorate of ADIF, Construction and Contract Director for the: **PROJECT ELABORATION, INSTALLATION AND MAINTENANCE FOR THE OVERHEAD CONTACT LINE AND ASSOCIATED SYSTEMS, High-speed line Madrid – Zaragoza – Barcelona – French Border. Section: Madrid – Lleida. Sub-section II: from CH 20/859 to CH 346/855**, for *ADIF, the Spanish Railway Administrator*.

**CERTIFIES:**

That the Joint Venture UTE EUROASCE I with Tax ID No. G-82585571, made up of the companies **BALFOUR BEATTY RAIL IBERICA, S.A.U. (17.5%) – BALFOUR BEATTY RAIL GmbH (17.5%) – COBRA INSTALACIONES Y SERVICIOS S.A. (18.34%) – EMTE, S.A. (10.0%) – SOCIEDAD ESPAÑOLA DE MONTAJES ELÉCTRICOS, S.A. (SEMI) (18.33%) – ELECNOR, S.A. (18.33%),** was contracted for the aforementioned works which began execution in April of 2000, and having finished in 2006.

That the total amount without VAT related to the contract of the abovementioned works, consisting of the Complete Design, including modified designs, complementary designs and the As-built Design, with price revisions, amounts to **€ 126, 765, 509.53**, this total amount corresponding to **€ 44,360,910.00** in 2001, **€ 45,264,861.42** in 2002, **€ 15,076,389.30** in 2003, **€ 11,437,265.00** in 2004, **€ 1,261,615.12** in 2005 and **€ 9,364,468.69** in 2006.

The works consist of laying of the overhead line for the high-speed railway that will connect Madrid with the French Border, through the supply and placement of poles, gantries, catenary and other elements that make up a facility with these kinds of characteristics, including maintenance, all having been executed in accordance to specifications and to the full satisfaction of the undersigned.

**ALTERNATING CURRENT CATENARY – IAAB**

***Supply and installation of:***

**742 units** of viaduct anchoring plates

**15,290 units** of earthing pick sets

**831 units** of viaduct earthing sets

**312 units** of overpass earthing sets

**9,078 units** of different types of metallic poles from X-1AV to XL-7AV

**1,044 units** of long, hollow section poles, type XCL – 3AV to 7AV

**845 units** of hollow section poles of different types XC-3AV to 7AV

**217 units** of rigid gantry with spans from 9 to 40 m.

**1,144 units** of drop tubes in rigid gantry and the tunnel for 1.2 cantilevers

**5,957 units** of CN-2-1, CN-2-2 and CN-2-3 anchoring sets

**13,563 units** of EMT-1 and 2 cantilever sets with push-off and pull-off steady arms

**2,374 units** of EMT-T1 and 2 cantilever sets with push-off and pull-off steady arms with clamped contact wire

**18,131 units** of swivel bracket for 1,2 or 3 poles or drop tube cantilevers

**917.20 Km.** of 1 Cu-100+1HC-150Cu-Mg catenary

**361.45 Km.** of wall-mounted LA-110 return cable

**387.37 Km.** of LA-180 return cable

**386.94 Km.** of LA-180 positive feeder

**691.35 Km.** of LA-180 negative feeder

**120.428 units** of equipotential dropper for CU-100 messenger wire

**12,711 units** of secondary messenger wire

**26,179 Km.** of equipotential for secondary messenger wire

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**10,776 units** of suspension for LA-110, 180 and 280 return cable

**10,043 units** of suspension for feeder, in pole, support and gantry.

**1,706 units** of anchoring sets for compensated and non-compensated catenary

**680 units** of CPF fixed point sets

**1,178 units** of return cable, feeder, cable feeder anchorings

**864 units** of LA-110, 180 and 280 cable splice tubes

**1,543 units** of LA-110 return cable and 180 drop tube suspension

**201 units** of compensated catenary anchoring in tunnel Cu-32-RT-Tunnel

**59 units** of CPF-Tunnel

**108 units** of LA-110 return cable anchoring and 180 wall-mounted

**93 units** of wall-mounted LA-280 feeder anchoring

**127 units** of LA-280(-) gantry suspension feeder

**1,856 units** of overlap or point semi-connection

**6,108 units** of LA-180 positive feeder connection to the catenary

**1,466 units** of LA-110 and 180 return cable connection to the rail

**804 units** of tunnel profile connection

**61 units** of track paralleling posts in the tunnel

**700 units** of messenger wire and contact wire insulators

**66 units** of catenary section insulators

**101 units** of Cn-10-1AC and AV unipolar disconnectors

**174 units** of Cn-10-2AC and AV bipolar load and no-load disconnectors

**6 units**  of parallel connection gantries for system transition from 1x25 to 2x25

**12 units** of feeding and parallel connection gantries in substations (2x25)

**10 units** of feeding and parallel connection gantries in neutral zones (2x25)

**48 units** of parallel connection gantries in autotransformers (2x25)

**288 units** of equipotential poles with operating mechanisms

**254 units** of equipotential surface poles with operating mechanisms

**52 units** of surge arrester sets

**297 units** of rigid catenary suspension

**11 units** of fixed points in rigid catenary

**3 units**  in transition zones (bracing beams)

**12 units** of 12m beams

**10 units** of overlaps

**258 units** of connecting flanges

**7,484 units** of cylindrical foundations for poles X1 to X4, including all reinforcements, cement, casings, etc. needed to be properly executed

**1,334 units** idem of what is above described + micropiles

**975 units** prismatic foundations for poles X5 to X7, including reinforcements, cement, casings, etc. needed to be properly executed

**156 units** idem of what is above described + micropiles

**4,934 units** of cylindrical foundations for anchorings, including all reinforcements, cement, casings, etc. needed to be properly executed

**1,066 units** idem of what is above described + micropiles

**742 units** of viaduct anchoring plate assembly

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**9,912 units** of storage, mounting and levelling of poles X1 to X4 with clips or hollow section poles including painting and paint supply.

**1,056 units** idem of what is above described for poles X5 to X7

**278 units** idem of what is above described gantries with spans ranging from 9m to 40 m

**1,102 units** idem of what is above described for the tunnel drop tubes or gantries for one or more tracks

**5,957 units** idem of what is above described for anchorings ties

**12,273 units** of cantilever pre-assembly, storage, assembly and adjustment for general single, double or triple track

**864 Km.** of EAC-350 catenary storage, laying, adjustment and hanging, including placement of the dropper in “Y” formation and cantilever adjustments.

**54 Km.** idem of what is above described in the tunnel

**306 Km.** of storage, laying, tensioning and adjustment of the LA-180 return cable, including assembly of the suspension clip on the pole or drop tube of the tunnel

**387 Km.** idem of what is above described, on the pole

**368 Km.** idem of what is above described, for the LA-180 positive feeder

**19 Km.** idem of what is above described, in the tunnel

**628 Km.** of storage, laying, tensioning and adjustment of the LA-280 negative feeder, including assembly of insulators and suspension clip on the pole brace

**34 Km.** idem of what is above described, in the tunnel

**3 Km.** of storage and installation of rigid catenary in the tunnel

**198 units** of anchoring for uncompensated catenary on the general track and in the tunnel

**1,625 units** of storage, assembly and adjustment of outdoor catenary anchoring equipment

**85 units** idem of what is above described, in the tunnel

**1,503 units** of storage and assembly for the connection of the return cable to the rail

**1,007 units** of storage and assembly of the connection between rails and two tracks

**1,841 units** of storage and assembly of earthing for the metallic supports in the tunnel

**4,188 units** of storage and assembly of the metallic support connection to the return cable or rail

**66 units** of storage and assembly of section insulators

**104 units** of storage and assembly of unipolar disconnectors

**169 units** of storage and assembly of the metallic support connection to the return cable or rail

**74 units** of storage and assembly of the feeding or parallel connection gantry, including painting and paint supply

**300 units** of equipotential surface assembly

**52 units** of surge arrester assembly

**105,441 ml.** of cu-50 L-50 conductor cable in tunnels, viaducts and underpasses

**1,757 units** of assembly and installation of the cable collector connection to the rail

**30,424 ml** Afumex fireproof aluminium cable for 25/45 KV of 331 m2

**170,925 ml** of reinforced RVFV cable for different sections

**84 units** of Tensorex equipment for automatic catenary tension compensation

**36 ml.** of cable lowering from the feeder anchoring to the tunnel wall

The total amount of the works executed by the aforementioned Joint Venture, within

the sub-sector of the ALTERNATING CURRENT CATENARY – IAAB, amounts to **€111,143,109.18,** this total amount corresponding to **€ 43,762,050.62** in 2001, **€ 38,998,579.80** in 2002, **€ 12,993,007.30** in 2003, **€ 8,870,118.00** in 2004, **€ 936,958.07** in 2005 and **€ 5,582,395.39** in 2006.

And for the record, at the request of the interested party and as part of the Register of Classified Companies of ADIF, I hereby issue this certificate in Madrid on the 18th of April 2008.

Approved by: Dolores Alonso Galdo Contract Technical Director

Signature and stamp Signature

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