

SUPPLY AND DELIVERY OF BOILER TUBES ON “AN AS AND WHEN REQUIRED” BASIS AT KUSILE POWER STATION FOR THE PERIOD OF EIGHTEEN (18) MONTHS

PART 2: PRICING DATA

NEC3 Supply Contract

Document reference	Title	No of pages
C2.1	Pricing assumptions	2
C2.2	The <i>price schedule</i>	[•]

SUPPLY AND DELIVERY OF BOILER TUBES ON “AN AS AND WHEN REQUIRED” BASIS AT KUSILE POWER STATION FOR THE PERIOD OF EIGHTEEN (18) MONTHS

C2.1 Pricing assumptions

1. How *goods* and *services* are priced and assessed for payment

Clause 11 in NEC3 Supply Contract, (SC3) core clauses states:

Identified and defined terms	11	
	11.2	(11) The Prices are the amounts stated in the price column of the Price Schedule. Where a quantity is stated for an item in the Price Schedule, the Price is calculated by multiplying the quantity by the rate.
		(12) The Price Schedule is the <i>price schedule</i> unless later changed in accordance with this contract.
Assessing the amount due	50.2	The amount due is
		<ul style="list-style-type: none"> the Price for each lump sum item in the Price Schedule which the <i>Supplier</i> has completed, where a quantity is stated for an item in the Price Schedule, an amount calculated by multiplying the quantity which the <i>Supplier</i> has completed by the rate, plus other amounts to be paid to the <i>Supplier</i>, less amounts to be paid by or retained from the <i>Supplier</i>. <p>Any tax which the law requires the <i>Purchaser</i> to pay to the <i>Supplier</i> is included in the amount due.</p>

This confirms that the Supply Contract is a priced contract where the Prices are derived from a list of items of *goods* and *services* which can be priced as lump sums or as expected quantities of *goods* and *services* multiplied by a rate, or a mix of both.

2. Function of the Price Schedule

Clause 53.1 states: “Information in the Price Schedule is not Goods Information”. This confirms that instructions to do work or how it is to be done are not included in the Price Schedule but in the Goods Information. This is further confirmed by Clause 20.1 which states, “The *Supplier* Provides the Goods and Services in accordance with the Goods Information”. Hence the *Supplier* does **not** Provide the Goods and Services in accordance with the Price Schedule. The Price Schedule is only a pricing document.

3. Preparing the *price schedule*

Items in the *price schedule* may have been inserted by the *Purchaser* and the tendering supplier should insert any additional items which he considers necessary. Whichever party provides the items in the *price schedule* the total of the Prices is assumed to be fully inclusive of everything necessary to Provide the Goods and Services as described at the time of entering into this contract.

It will be assumed that the tendering supplier has

- Read Pages 8, 11, 12 and Appendix 5 of the SC3 Guidance Notes before preparing the *price schedule*;

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- Included in his Prices and rates for correction of Defects (core clause 43.1) as there is no compensation event for this unless the Defect is due to a *Supplier's* risk;
- Spread the cost of doing work he chooses not to list as separate items in the *price schedule* across other Prices and rates in order to fulfil the obligation to Provide the Goods and Services for the tendered total of the Prices;
- Understood that there is no adjustment to lump sum prices in the *price schedule* if the amount, or quantity, of work within that lump sum item later turns out to be different to that which the *Supplier* estimated at time of tender. The only basis for a change to the Prices is as a result of a compensation event per clause 60.1;
- Understood that the *Supplier* does not have to allow in his Prices and rates for matters that may arise as a result of a compensation event.

3.1. Format of the *price schedule*

Entries in the first four columns in the *price schedule* in section C2.2 are made either by the *Purchaser* or the tendering supplier.

If the *Supplier* is to be paid an amount for the item which is not adjusted if the quantity of work in the item changes, the tendering supplier enters the amount in the Price column only, the Unit, Quantity and Rate columns being left blank.

If the *Supplier* is to be paid an amount for the item which is the rate for the item multiplied by the quantity completed, the tendering *Supplier* enters the rate which is then multiplied by the Quantity to produce the Price, which is also entered.

If the *Supplier* is to be paid an amount for an item proportional to the length of time for which the *goods* and *services* are provided, a unit of time is stated in the Unit column and the length of time (as a quantity of the stated units of time) is stated in the Quantity column.

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C2.2 the *price schedule*

SUPPLY AND DELIVERY OF BOILER TUBES AT KUSILE POWER STATION ON AN AS AND WHEN REQUIRED BASIS FOR A PERIOD OF FIVE (5) YEARS

ITEM NO	MATERIAL NO	DETAILED DESCRIPTION	UNIT	QUANTITY
1	0599480	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 44.5 MM; WALL THICKNESS: 6.3 MM; MATERIAL: 16MO3; LENGTH: 6-11.8 M; STRUCTURE: SMLS; DELIVER AS PER SPEC UNIQUE IDENTIFIER: 474-10206 REV 2	M	1 000.00
2	0598160	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 38 MM; WALL THICKNESS: 6.3 MM; MATERIAL: 16MO3; LENGTH: 6-11.8 M; STRUCTURE: SMLS; DELIVER AS PER SPEC UNIQUE IDENTIFIER: 474-10206 REV 2	M	1 200.00
3	0637675	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 44.5 MM; WALL THICKNESS: 6.3 MM; MATERIAL: 16MO3; LENGTH: 6 M; STRUCTURE: SMLS; TYPE: WATER; GRADE: 1.5415; SPECIFICATION: EN10216-2; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206 - STRATEGIC BOILER STRATEGIC BOILER TUBES ORDER SPECIFICATION	M	1 000.00
4	0740670	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DN 25 MM; MATERIAL: ALLOY STEEL; LENGTH: 6 M; WALL THICKNESS: 5.6 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.5415; SPECIFICATION: EN10216-2: 16MO3TC-2; SUPPLY EN 10204 TYPE 3.2 CERTIFICATION EN 10216-2: 16MO3/1.5415TC-2	M	1 000.00
5	0740673	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DIA 25 MM; MATERIAL: ALLOY STEEL; LENGTH: 6 M; WALL THICKNESS: 6.3 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.5415; SPECIFICATION: EN10216-2: 16MO3TC-2; FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 240-84513751 MATERIAL SPECIFICATION AND CERTIFICATION GUIDELINE FOR POWER GENERATION PLANT PIPE OUTER DIAMETER: 33.7MM	M	1 000.00
6	0740674	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DN 25 MM; MATERIAL: ALLOY STEEL; LENGTH: 6 M; WALL THICKNESS: 3.6 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.5415; SPECIFICATION: EN10216-2: 16MO3TC-2	M	1 000.00
7	0741934	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DN 25 MM; MATERIAL: 16MO3; LENGTH: 6 M; WALL THICKNESS: 4 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.5415; SPECIFICATION: EN10216-2: 16MO3TC-2; SUPPLY EN 10204 TYPE 3.2 CERTIFICATION EN 10216-2: 16MO3/1.5415TC-2	M	1 000.00

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8	741967	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DN 25 MM; MATERIAL: CHROME STEEL; LENGTH: 6 M; WALL THICKNESS: 4.5 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.5415; SPECIFICATION: EN10216-2: 16MO3TC-2; PIPE OUTER DIAMETER = 33.7MM SUPPLY EN 10204 TYPE 3.2 CERTIFICATION	M	1 000.00
9	741932	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DN 25 MM; MATERIAL: 16MO3; LENGTH: 6 M; WALL THICKNESS: 3.2 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.5415; SPECIFICATION: EN10216-2: 16MO3TC-2; SUPPLY EN 10204 TYPE 3.2 CERTIFICATION EN 10216-2: 16MO3/1.5415TC-2	M	1 000.00
10	0740675	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DN 50 MM; MATERIAL: ALLOY STEEL; LENGTH: 6 M; WALL THICKNESS: 6.3 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.5415; SPECIFICATION: EN10216-2: 16MO3TC-2; SUPPLY EN 10204 TYPE 3.2 CERTIFICATION EN 10216-2: 16MO3/1.5415TC-2	M	1 000.00
11	741933	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DN 15 MM; MATERIAL: 16MO3; LENGTH: 6 M; WALL THICKNESS: 3.2 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.5415; SPECIFICATION: EN10216-2: 16MO3TC-2; SUPPLY EN 10204 TYPE 3.2 CERTIFICATION EN10216-2: 16MO3/1.5415TC-2	M	1 000.00
12	741968	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DN50 MM; MATERIAL: 16MO3; LENGTH: 6 M; WALL THICKNESS: 4 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.5415; SPECIFICATION: EN 10216: 16MO3TC-3; PIPE OUTER DIAMETER 60.3MM SUPPLY EN 10204 TYPE 3.2 CERTIFICATION	M	1 000.00
13	741970	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DN 50 MM; MATERIAL: CHROME STEEL; LENGTH: 6 M; WALL THICKNESS: 4.5 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.5415; SPECIFICATION: EN 10216-2: 16MO3TC-2; PIPE OUTER DIAMETER 60.3MM SUPPLY EN 10204 TYPE 3.2 CERTIFICATION	M	1 000.00
14	0676581	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 38 MM; WALL THICKNESS: 5.6 MM; MATERIAL: 1.7335; LENGTH: 6 M; STRUCTURE: SMLS; ENDS: PLAIN; SQUARE CUT; DEBURRED; TYPE: WATER TUBE BOILER; GRADE: 13CRMO4-5; SPECIFICATION: ENN10216-2; THE FOLLOWING DOCUMENT SHOULD CONSULTED WHEN ORDERING; 474-10206; STRATEGIC BOILER TUBES ORDER SPECIFICATION; OD TOLERANCE -0.5MM; WD TOLERANCE +12.5 PCT-12.5 PCT INSIDE WITHOUT RUST PROTECTION; OUTSIDE DRY VARNISH; INSPECTION 3.1 EN102004; MATERIAL CERTIFICATE TO BE SUPPLIED	M	1 400.00
15	0644577	TUBE BLR STR:33.7 MM;6.3 MM;13CRMO4-5 TUBE, BOILER STRAIGHT: NOMINAL SIZE: 33.7 MM; WALL THICKNESS: 6.3 MM; MATERIAL: 13CRMO4-5; LENGTH: 6 M; STRUCTURE: SMLS; TYPE: WATER; GRADE: 1.7335; SPECIFICATION:	M	1 400.00

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		EN10216-2; REFERENCE NO: HAH21-24 AC001; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206: STRATEGIC BOILER TUBES ORDER SPECIFICATION		
16	740656	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DIA 25 MM; MATERIAL: ALLOY STEEL; LENGTH: 6 M; WALL THICKNESS: 5.6 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.7335; SPECIFICATION: EN10216-2: 13CRMO4-5TC-2	M	1 200.00
17	740651	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DN 25 MM; MATERIAL: 13CRMO4-5; LENGTH: 6 M; WALL THICKNESS: 5 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.7335; SPECIFICATION: EN10216-2: 13CRMO4-5TC-2; SUPPLY EN 10204 TYPE 3.2 SUPPLY EN 10204 TYPE 3.2 CERTIFICATION EN 10216-2: 13CRMO4-5/1.7335 TC-2 FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 240-84513751 MATERIAL SPECIFICATION AND CERTIFICATION GUIDELINE FOR POWER GENERATION PLANT;	M	1 200.00
18	740652	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DIA 25 MM; MATERIAL: ALLOY STEEL; LENGTH: 6 M; WALL THICKNESS: 3.2 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.7335; SPECIFICATION: EN10216-2: 13CRMO4-5TC-2; SUPPLY EN 10204 TYPE 3.2 SUPPLY EN 10204 TYPE 3.2 CERTIFICATION EN 10216-2: 13CRMO4-5/1.7335 TC-2	M	1 200.00
19	0644576	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 44.5 MM; WALL THICKNESS: 7.1 MM; MATERIAL: 13CRM04-5; LENGTH: 6 M; STRUCTURE: SMLS; TYPE: WATER; GRADE: 1.7335; SPECIFICATION: EN10216-2; REFERENCE NO: HAD11-14 AC001; THE FOLLOWING DOCUMENT MUST BE CONSULTED WHEN ORDERING 474-10206; STRATEGIC BOILER TUBES ORDER SPECIFICATION	M	1 200.00
20	637676	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 48.3 MM; WALL THICKNESS: 4 MM; MATERIAL: 13CRM04-5; LENGTH: 6 M; STRUCTURE: SMLS; TYPE: WATER; GRADE: 1.7335; SPECIFICATION: EN 10216-2; REFERENCE NO: HAJ05 AC001; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206 - STRATEGIC BOILER TUBE ORDER SPECIFICATION; EN 10216-2:2002 TABLE 4	M	1 200.00
21	741971	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DN 32 MM; MATERIAL: 13CRMO4-5; LENGTH: 6 M; WALL THICKNESS: 6.3 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.7335; SPECIFICATION: EN 10216-2: 13CRMO4-5TC-2; PIPE OUTER DIAMETER 42.4 MM SUPPLY EN 10204 TYPE 3.2 CERTIFICATION	M	1 200.00
22	740654	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DN 40 MM; MATERIAL: ALLOY STEEL; LENGTH: 6 M; WALL THICKNESS: 3.6 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.7335; SPECIFICATION: EN10216-2: 13CRMO4-5TC-2	M	1 200.00

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23	740653	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DIA 50 MM; MATERIAL: ALLOY STEEL; LENGTH: 6 M; WALL THICKNESS: 4.5 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.7335; SPECIFICATION: EN10216-2: 13CRMO4-5TC-2; SUPPLY EN 10204 TYPE 3.2	M	1 200.00
24	0637589	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 48.3 MM; WALL THICKNESS: 10 MM; MATERIAL: 1.7378; LENGTH: 6 M; STRUCTURE: SMLS; TYPE: WATER; GRADE: 7CRM0VTIB10-10; REFERENCE NO: HAH31-32 AC001; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206 - STRATEGIC BOILER TUBES ORDER SPECIFICATION; VDTUV MATERIAL SHEET 533:2003.12 USAGE OF 80% OF K-VALUES	M	1 000.00
25	0637588	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 48.3 MM; WALL THICKNESS: 8.8 MM; MATERIAL: 1.7378; LENGTH: 6 M; STRUCTURE: SMLS; TYPE: WATER; GRADE: 7CRM0VTIB10-10; REFERENCE NO: HAH31-32 AC001; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206 - STRATEGIC BOILER TUBES ORDER SPECIFICATION; VDTUV MATERIAL SHEET 533:2003.12 USAGE OF 80% OF K-VALUES	M	1 000.00
26	0637587	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 44.5 MM; WALL THICKNESS: 5.6 MM; MATERIAL: 1.7378; LENGTH: 6 M; STRUCTURE: SMLS; TYPE: WATER; GRADE: 7CRM0VTIB10-10; REFERENCE NO: HAH31-32 AC001; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206 - STRATEGIC BOILER TUBES ORDER SPECIFICATION; VDTUV MATERIAL SHEET 533:2003.12 USAGE OF 80% OF K-VALUES	M	1 200.00
27	0637586	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 44.5 MM; WALL THICKNESS: 6.3 MM; MATERIAL: 1.7378; LENGTH: 6 M; STRUCTURE: SMLS; TYPE: WATER; GRADE: 7CRM0VTIB10-10; REFERENCE NO: HAH31-32 AC001; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206 - STRATEGIC BOILER TUBE ORDER SPECIFICATION; VDTUV MATERIAL SHEET 533:2003.12 USAGE OF 80% OF K-VALUES	M	1 000.00
28	0637585	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 44.5 MM; WALL THICKNESS: 7.1 MM; MATERIAL: 1.7378; LENGTH: 6 M; STRUCTURE: SMLS; TYPE: WATER; GRADE: 7CRM0VTIB10-10; REFERENCE NO: HAH31-32 AC001; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206 - STRATEGIC BOILER TUBES ORDER SPECIFICATION; VDTUV MATERIAL SHEET 533:2003.12 USAGE OF 80% OF K-VALUES	M	1 000.00
29	0746492	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 38 MM; WALL THICKNESS: 4.5 MM; MATERIAL: TP347 HFG; LENGTH: 6 M; STRUCTURE: PLAIN; TYPE: WATER; GRADE: 1,4908; REFERENCE NO: HAH50 AC001-002; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206: STRATEGIC BOILER TUBE ORDER SPECIFICATION; V&M MATERIAL SHEET 439:2006.03 USAGE OF 90% OF K-VALUES; VDTUV 560/2 & ASME CODE CASE 2781	M	1 200.00

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30	0746467	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 38 MM; WALL THICKNESS: 5 MM; MATERIAL: TP347 HFG; LENGTH: 6 M; STRUCTURE: PLAIN; TYPE: WATER; GRADE: 1,4908; REFERENCE NO: HAH50 AC001-002; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206 - STRATEGIC BOILER TUBE ORDER SPECIFICATION; V&M MATERIAL SHEET 439: 2006.03 USAGE OF 90% OF K-VALUES; VDTUV 560/2 ASME CODE CASE 2781	M	1 000.00
31	0746463	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 38 MM; WALL THICKNESS: 5.6 MM; MATERIAL: TP347 HFG; LENGTH: 6 M; STRUCTURE: SMLS; TYPE: WATER; GRADE: 1,4908; REFERENCE NO: HAH50 AC001-002; ASME CODE CASE 2781; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206 - STRATEGIC BOILER TUBES ORDER SPECIFICATION; V&M MATERIAL SHEET 439:2006.03 USAGE OF 90% OF K-VALUES; VDTUV 560/2 ASME CODE CASE 2781	M	1 000.00
32	0746979	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 38 MM; WALL THICKNESS: 6.3 MM; MATERIAL: TP347 HFG; LENGTH: 6 M; STRUCTURE: SMLS; TYPE: WATER; GRADE: 1,4908; REFERENCE NO: HAH50 AC001-002; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206 - STRATEGIC BOILER TUBES ORDER SPECIFICATION; V&M MATERIAL SHEET 439:2006.03 USAGE OF 90% OF K-VALUES; VDTUV 560/2 ASME CODE CASE 2781	M	1 000.00
33	0637598	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 42.4 MM; WALL THICKNESS: 6.3 MM; MATERIAL: TP347 HFG; LENGTH: 6 M; STRUCTURE: SMLS; TYPE: WATER; GRADE: 1.9912; REFERENCE NO: HAH70 AC001-003; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206 - STRATEGIC BOILER TUBE ORDER SPECIFICATION; VDTUV MATERIAL SHEET 547:2003.06; VDTUV DATA SHEET 547 & ASME II-D; CLASSIFIED BY MHPS	M	1 000.00
34	0637615	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 57 MM; WALL THICKNESS: 3.6 MM; MATERIAL: TP347 HFG; LENGTH: 6 M; STRUCTURE: SMLS; TYPE: WATER; GRADE: 1,4908; REFERENCE NO: HAJ30 AC001; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206 - STRATEGIC BOILER TUBE ORDER SPECIFICATION; VDTUV MATERIAL SHEET 533:2003.12 USAGE OF 80% OF K-VALUES; VDTUB DATA SHEET 547 & ASME II-D; CLASSIFIED BY MHPS	M	1 000.00
35	0637595	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 48.3 MM; WALL THICKNESS: 4 MM; MATERIAL: P265GH; LENGTH: 6 M; STRUCTURE: SMLS; TYPE: WATER; GRADE: 1.0425; SPECIFICATION: EN10216-2; REFERENCE NO: HAJ05 AC001; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206 - STRATEGIC BOILER TUBES ORDER SPECIFICATION; EN 10216-2:2002 TABLE 4	M	1 200.00
36	0598216	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 48.3 MM; WALL THICKNESS: 4.5 MM; MATERIAL: 10CRMO9-10; LENGTH: 6-11.8 M; STRUCTURE: SMLS; DELIVER AS PER SPEC UNIQUE IDENTIFIER: 474-10206 REV 2	M	1 200.00

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37	722367	TUBE, BOILER STRAIGHT: NOMINAL SIZE: DN50 MM; WALL THICKNESS: 5 MM; MATERIAL: 10CRMO9-10 (P22); LENGTH: 6 M; STRUCTURE: SEAMLESS STEEL PIPE; ENDS: PLASTIC END CAPS; TYPE: SEAMLESS STEEL PIPE FOR HIGH PRESSURE PURPOSE; GRADE: 1.7380; SPECIFICATION: EN 10216-2:2013+A1:2019 OD 60.3 MM FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 240-84513751 MATERIAL SPECIFICATION AND CERTIFICATION GUIDELINE FOR POWER GENERATION PLANT.	M	1 000.00
38	740629	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DIA 32 MM; MATERIAL: ALLOY STEEL; LENGTH: 6 M; WALL THICKNESS: 5.6 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.7380; SPECIFICATION: EN10216-2: 10CRMO9-10TC-2; SUPPLY EN 10204 TYPE 3.2 SUPPLY EN 10204 TYPE 3.2 CERTIFICATION EN 10216-2:10CRMO9-10/1.7380 TC-2, FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 240-84513751 MATERIAL SPECIFICATION AND CERTIFICATION GUIDELINE FOR POWER	M	1 000.00
39	722322	TUBE, BOILER STRAIGHT: NOMINAL SIZE: DN25 MM; WALL THICKNESS: 4.5 MM; MATERIAL: 10CRMO9-10 (P22); LENGTH: 6.0 M; STRUCTURE: SEAMLESS STEEL PIPE; ENDS: PLASTIC END CAPS; TYPE: SEAMLESS STEEL PIPE FOR HIGH PRESSURE PURPOSE; GRADE: 1.7380; SPECIFICATION: EN 10216-2:2013+A1:2019 OD33.7WT4.5 EN 10204 TYPE 3.2 CERTIFICATE EN 10216-2:2013+A1:2019 -10CRMO9-10/1.7380 TC-2. FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 240-84513751 MATERIAL SPECIFICATION AND CERTIFICATION GUIDELINE FOR POWER	M	1 000.00
40	740631	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DIA 25 MM; MATERIAL: ALLOY STEEL 10CRMO9-10; LENGTH: 6 M; WALL THICKNESS: 3.2 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1.7380; SPECIFICATION: EN10216-2: 10CRMO9-10TC-2; SUPPLY EN 10204 SUPPLY EN 10204 TYPE 3.2 CERTIFICATION	M	1 000.00
41	706796	TUBE, BOILER STRAIGHT: NOMINAL SIZE: OD 38 MM; WALL THICKNESS: 4 MM; MATERIAL: X10CRMVNB9-1; LENGTH: 6 M; STRUCTURE: SMLS; ENDS: PLAIN ; SQUARE CUT; DEBURRED; BOILER PRESSURE PARTS; GRADE: 1.4903; SPECIFICATION: EN10216; ALTERNATIVE NAME T91; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING: 474-12132 TECHNICAL SPECIFICATION FOR THE PROCUREMENT OF BOILER TUBING; ADDITIONAL SPECIFICATION: OD TOLERANCE +0.5MM - 0.5MM; WT	M	1 000.00
42	722361	TUBE, BOILER STRAIGHT: NOMINAL SIZE: DN50 MM; WALL THICKNESS: 5 MM; MATERIAL: X10CRMVNB9-1 (P91); LENGTH: 6 M; STRUCTURE: SEAMLESS PIPE; ENDS: PLASTIC CAP; TYPE: SEAMLESS PIPE FOR PRESSURE PURPOSE; GRADE: 1.4903; SPECIFICATION: EN 10216-2:2013+A1:2019 - X10CRMVNB9-1 TC2 OD 60.3 MM, FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 240-84513751 MATERIAL SPECIFICATION AND CERTIFICATION GUIDELINE FOR POWER GENERATION PLANT	M	1 000.00

SUPPLY AND DELIVERY OF BOILER TUBES ON "AN AS AND WHEN REQUIRED" BASIS AT KUSILE POWER STATION FOR THE PERIOD OF EIGHTEEN (18) MONTHS

43	741937	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DN32 MM; MATERIAL: X10CRMOVNB9-1; LENGTH: 6 M; WALL THICKNESS: 6.3 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1, 4903; SPECIFICATION: EN 10216-2: X10CRMOVNB9-1TC-2; PIPE OUTER DIAMETER = 38MM SUPPLY EN 10204 TYPE 3.2 CERTIFICATION	M	1 000.00
44	722359	TUBE, BOILER STRAIGHT: NOMINAL SIZE: DN25 MM; WALL THICKNESS: 4 MM; MATERIAL: X10CRMOVNB9-1 (P91); LENGTH: 6 M; STRUCTURE: SEAMLESS STEEL PIPE; ENDS: PLASTIC END CAPS; TYPE: SEAMLESS STEEL PIPE FOR HIGHPRESSURE PURPOSE; GRADE: 1.4903; SPECIFICATION: EN 10216-2:2013+A1: OD 33.7 MM, EN 10204; TYPE 3.2 CERTIFICATE EN 10216-2:2013+A1:2019, FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING240-84513751 MATERIAL SPECIFICATION AND CERTIFICATION GUIDELINE FOR POWER GENERATION PLANT	M	1 000.00
45	722364	TUBE, BOILER STRAIGHT: NOMINAL SIZE: DN 25 MM; WALL THICKNESS: 5.6 MM; MATERIAL: X10CRMOVNB9-1 (P91); LENGTH: 6 M; STRUCTURE: SEAMLESS STEEL PIPE; ENDS: PLASTIC END CAPS; TYPE: SEAMLESS STEEL PIPE FOR HIGHPRESSUREPURPOSE; GRADE: 1.4903; SPECIFICATION: EN OD 33.7 MM; FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING240-84513751 MATERIAL SPECIFICATION AND CERTIFICATION GUIDELINE FOR POWER GENERATION PLANT	M	1 000.00
46	722362	TUBE, BOILER STRAIGHT: NOMINAL SIZE: DN25 MM; WALL THICKNESS: 3.2 MM; MATERIAL: X10CRMOVNB9-1 (P91); LENGTH: 6 M; STRUCTURE: SEAMLESS STEEL PIPE; ENDS: PLASTIC END CAPS; TYPE: SEAMLESS STEEL PIPE FOR HIGHPRESSUREPURPOSE; GRADE: 1.4903; SPECIFICATION: EN OD 33.7 MM, FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING240-84513751 MATERIAL SPECIFICATION AND CERTIFICATION GUIDELINE FOR POWER GENERATION PLANT	M	1 000.00
47	722351	TUBE, BOILER STRAIGHT: NOMINAL SIZE: DN 50 MM; WALL THICKNESS: 6.3 MM; MATERIAL: X10CRMOVNB9-1 (P91); LENGTH: 6.0 M; STRUCTURE: SEAMLESS STEEL PIPE; ENDS: PLASTIC END CAPS; TYPE: SEAMLESS STEEL PIPE FOR HIGH PRESSURE PURPOSES; GRADE: 1.4903; SPECIFICATION: OD 60.3 WD 6.3 MM, EN 10204 TYPE 3.2, FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING240-84513751 MATERIAL SPECIFICATION AND CERTIFICATION GUIDELINE FOR POWER GENERATION PLANT.	M	1 000.00
48	722361	TUBE, BOILER STRAIGHT: NOMINAL SIZE: DN50 MM; WALL THICKNESS: 5 MM; MATERIAL: X10CRMOVNB9-1 (P91); LENGTH: 6 M; STRUCTURE: SEAMLESS PIPE; ENDS: PLASTIC CAP; TYPE: SEAMLESS PIPE FOR PRESSURE PURPOSE; GRADE: 1.4903; SPECIFICATION: EN 10216-2:2013+A1:2019 - X10CRMOVNB9-1 TC2 OD 60.3 MM, FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING240-84513751 MATERIAL SPECIFICATION AND CERTIFICATION GUIDELINE FOR POWER GENERATION PLANT	M	1 000.00

SUPPLY AND DELIVERY OF BOILER TUBES ON "AN AS AND WHEN REQUIRED" BASIS AT KUSILE POWER STATION FOR THE PERIOD OF EIGHTEEN (18) MONTHS

49	722357	TUBE, BOILER STRAIGHT: NOMINAL SIZE: DN50 MM; WALL THICKNESS: 3.2 MM; MATERIAL: X10CRMOVNB9-1 (P91); LENGTH: 6.0 M; STRUCTURE: SEAMLESS STEEL PIPE; ENDS: PLASTIC END CAPS; TYPE: SEAMLESS STEEL PIPE FOR HIGHPRESSURE PURPOSES; GRADE: 1.4903; SPECIFICATION: OD 60.3 X WD 3.2 MM, EN 10204 TYPE 3.2, FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING240-84513751 MATERIAL SPECIFICATION AND CERTIFICATION GUIDELINE FOR POWER GENERATION PLANT.	M	1 000.00
50	741940	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: DN50 MM; MATERIAL: X10CRMOVNB9-1; LENGTH: 6 M; WALL THICKNESS: 3.6 MM; CONSTRUCTION: SEAMLESS HIGH PRESSURE PIPE; END TYPE: PLASTIC END CAPS; GRADE: 1, 4903; SPECIFICATION: EN10216-2: X10CRMOVNB9-1TC-2; PIPE OUTER DIAMETER = 57MM SUPPLY EN 10204 TYPE 3.2 CERTIFICATION	M	1 000.00
51	722360	TUBE, BOILER STRAIGHT: NOMINAL SIZE: DN 40 MM; WALL THICKNESS: 5.6 MM; MATERIAL: X10CRMOVNB9-1 (P91); LENGTH: 6 M; STRUCTURE: SEAMLESS HIGH PRESSURE PIPE; ENDS: END CAPS; TYPE: SEAMLESS PIPE FOR PRESSURE PURPOSES; GRADE: 1.4903; SPECIFICATION: EN10216-2:2013+A1: OD 48.3 MM, EN 10204 TYPE 3.2; FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING240-84513751 MATERIAL SPECIFICATION AND CERTIFICATION GUIDELINE FOR POWER	M	1 000.00
52	706843	TUBE, BOILER STRAIGHT: NOMINAL SIZE: OD 42.4 MM; WALL THICKNESS: 8 MM; MATERIAL: X10CRMOVNB9-1; LENGTH: 6 M; STRUCTURE: SMLS; ENDS: PLAIN; SQUARE CUT; DEBURRED; TYPE: BOILER PRESSURE PARTS; GRADE: 1.4903; SPECIFICATION: EN10216 MATERIAL MUST BE IN ACCORDANCE TO LATEST EN10216-2; ALL TUBES TO BE SUPPLIED WITH THEIR RELEVANT TEST AND MATERIAL CERTIFICATION BS EN 10204/3.2; SUPPLIED BOTH IN HARD AND SOFT COPY ON DELIVERY; FOR USE ON SUPERHEATER	M	1 000.00
53	706857	TUBE, BOILER STRAIGHT: NOMINAL SIZE: OD 42.4 MM; WALL THICKNESS: 6.3 MM; MATERIAL: X10CRMOVNB9-1; LENGTH: 6 M; STRUCTURE: SMLS; ENDS: PLAIN; SQUARE CUT; DEBURRED; TYPE: BOILER PRESSURE PARTS; GRADE: 1.4903; SPECIFICATION: EN10216; MATERIAL MUST BE IN ACCORDANCE TO LATEST EN10216-2; ALL TUBES TO BE SUPPLIED WITH THEIR RELEVANT TEST AND MATERIAL CRTIFICATION BS EN1024/3.2; SUPPLIED BOTH IN HARD AND SOFT COPY ON DELIVERY; FOR USE ON SUPERHEATER 3	M	1 000.00
54	N/a	Transporation	KM	180 000.00