

PART 3: SCOPE OF WORK

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C3.1: PURCHASER’S GOODS INFORMATION

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

1 Overview and purpose of the goods and services

Works Information

2 Specification and description of the goods

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
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

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

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: EN10216-2; REFERENCE NO: HAH21-24 AC001; THE FOLLOWING DOCUMENT SHOULD BE CONSULTED WHEN ORDERING 474-10206: STRATEGIC BOILER TUBES ORDER SPECIFICATION	M	1 400.00
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

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

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
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
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

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

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
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: X10CRMOVNB9-1; 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: 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 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
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

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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
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Performance Requirements

SUPPLY AND DELIVERY OF BOILER TUBES ON “AN AS AND WHEN REQUIRED” BASIS AT KUSILE POWER STATION FOR THE PERIOD OF EIGHTEEN (18) MONTHS**2.1 Purchaser’s design****2.2 Procedure for submission and acceptance of *Supplier’s* design****Obsolescence**

The Supplier shall inform the Employer immediately where spares are found to be obsolete before the alternative spares is supplied, the Supplier shall indicate this to the Employer and indicate viable alternatives thereof.

Acceptance of spares**2.3 Other requirements of the *Supplier’s* design**

N/A

2.4 Use of *Supplier’s* design

N/A

2.5 Manufacture & fabrication

N/A

2.6 Factory acceptance testing (FAT)

Quality inspection will be conducted at supplier’s premises and final quality check upon delivery.

2.7 Other tests and inspections and commissioning in place of use

N/A

2.8 Operating manuals and maintenance schedules

N/A

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3 Supply Requirements

4 Specification of the *services* to be provided.

N/A

5 Constraints on how the *Supplier* Provides the Goods

5.1 Programming constraints

None

5.2 Work to be done by the Delivery Date

5.3 Marking the *goods*

Material to be clearly marked, labelled, and packed according to the required specifications.

5.4 Constraints at the delivery place and place of use

- Supplier to make delivery arrangements prior to the delivery date to ensure delivery logistics are planned and confirmed to avoid unnecessary delays.
- End user will determine the offloading point at the time of delivery.
- Offloading will be done by the purchaser.

5.5 Cooperating with Others

The Supplier shall comply to the access requirement as stated or prescribed by the station security standards.

5.6 Services & other things to be provided by the *Purchaser* or *Supplier*

Workshop

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The Supplier and his sub-suppliers are required to have suitable premises with the required tools and equipment to be able to conduct the scope of work. Eskom reserves the right to inspect the workshop premises to make sure that it is kept up to standard.

Equipment Required

The Supplier and his sub-suppliers must possess the tools and equipment to satisfy the requirements for the scope.

5.7 Management meetings

Regular meetings of a general nature may be convened and chaired by the *Supply Manager* as follows:

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk register and compensation events	Weekly on _____ at _____		
Overall contract progress and feedback	Monthly on _____ at _____		<i>Purchaser, Supplier, and _____</i>

Meetings of a specialist nature may be convened as specified elsewhere in this Goods Information or if not so specified by persons and at times and locations to suit the Parties, the nature and the progress of the manufacture of the *goods*. Records of these meetings shall be submitted to the *Supply Manager* by the person convening the meeting within five days of the meeting.

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or register shall not be used for the purpose of confirming actions or instructions under the contract as these shall be done separately by the person identified in the *conditions of contract* to carry out such actions or instructions.

5.8 Documentation control

- Each instruction, test certificate, acceptance, notification, reply and other communication which this contract requires is to be communicated in a form which can be read, copied and recorded.
- Writing is in the Language of this contract.
- All reports to be discussed, compiled and handed over to Eskom.
- All method statements to be discussed compiled and handed over to Eskom where applicable.
- All communications, Certificates, Method Statements must be printed and filed in the Purchaser's Data file.

5.9 Health and safety risk management

The *Supplier* shall comply with the Occupational Health and Safety Act and relevant regulations, Eskom Contractor Health and Safety Requirements, Eskom Lifesaving rules, National Road Traffic Act and Eskom Vehicle Safety Specifications. The supplier shall submit its internal offloading safe-

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work procedures to the client prior contract awarding. It is also necessary for the supplier to be in Good Standing with COIDA

The *Supplier* shall comply with the health and safety requirements [stated here or contained in Annexure _____ to this Goods Information].

5.10 Environmental constraints and management

The *Supplier* shall comply with the environmental regulations as well as the following:

- Contractor to be familiarised with Environmental Statement of Commitment.
- Contractor shall report all incidents or risks whilst on site to the Eskom Project leader who will inform the environmental department.

5.11 Quality

To ensure compliance to Quality Management System requirements, the following requirements shall be adhered to:

- 240-68099512 Form A : The tenderer must complete and sign this form to acknowledge and accept Eskom Supplier Quality Requirements as per QM 58 Specification and ISO 9001 Standard
- Category 3 - Quality Assessment Criteria : Stipulated documented information to be provided for evaluation purposes
- QM 58_240-105658000 – Supplier Quality Management Specifications
- Documented information that permits the Supplier to provide highest level of quality assurance to confidentially state that the method used on the product are accurate, documented and validated.
- Documented information which allows the Supplier to legally transport hazardous goods
- Documented information on determining the knowledge, skill and competency required for the achieved conformity of product/ service (Driver, handling of hazardous goods...)

5.12 Invoicing and payment

Within one week of receiving a payment certificate from the *Supply Manager* in terms of core clause 51.1, the *Supplier* provides the *Purchaser* with a tax invoice showing the amount due for payment equal to that stated in the *Supply Manager's* certificate.

The *Supplier* shall address the tax invoice to *Purchaser* and include on each invoice the following information:

- Name and address of the *Supplier* and the *Supply Manager*;
- The contract number and title;
- *Supplier's* VAT registration number;
- The *Purchaser's* VAT registration number.
- Description of *goods* and *services* provided for each item invoiced based on the Price Schedule;
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;
- (add other as required)

Add procedures for invoice submission and payment (e. g. electronic payment instructions)

SUPPLY AND DELIVERY OF BOILER TUBES ON “AN AS AND WHEN REQUIRED” BASIS AT KUSILE POWER STATION FOR THE PERIOD OF EIGHTEEN (18) MONTHS**5.13 Insurance provided by the *Purchaser***

The Supply Manager shall be consulted for guidance when the need arise.

5.14 Contract change management

N/A

5.15 Provision of bonds and guarantees

The form in which a bond or guarantee required by the *conditions of contract* (if any) is to be provided by the *Supplier* is given in Part 1 Agreements and Contract Data, document C1.3, Sureties.

The *Purchaser* may withhold payment of amounts due to the *Supplier* until the bond or guarantee required in terms of this contract has been received and accepted by the person notified to the *Supplier* by the *Supply Manager* to receive and accept such bond or guarantee. Such withholding of payment due to the *Supplier* does not affect the *Purchaser's* right to termination stated in this contract.

5.16 Records of Defined Cost, payments & assessments of compensation events to be kept by the *Supplier*

Shall be provided to *Supply Manager* in hard copy or electronically.

6 Procurement**6.1 Subcontracting****6.1.1 Preferred subcontractors**

None

6.1.2 Limitations on subcontracting

None

6.1.3 Spares and consumables

The Supplier must supply his own consumables to satisfy the requirements for scope.

6.1.4 Other requirements related to procurement

Other requirements such as ASGISA or socio political enhancements the *Supplier* is to provide as part of Providing the Goods and Services (if any) could be included here.

Planned KEY PERFORMANCE INDICATORS (KPI)

The KPI's will be used to determine the successful performance of the scope. The Supplier is required to perform in order to meet these targets. The KPI's are to be

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

agreed to between parties and are subject to change on an annual basis, based on the need.

- i. First committed delivery date
- ii. Quality
- iii. Non-compliance to the agreed Scope of Work, hold points and Quality Control Plans

6.1.5 Cataloguing requirements by the *Supplier*

State whether cataloguing is applicable, if it is, reference the requirements for cataloguing that need to be satisfied by the *Supplier* (consult Procurement Instruction Number 1 of 2018 – Incorporating Cataloguing into the Procurement Environment, Unique Identifier 240-1289988974).

7 List of drawings

7.1 Drawings issued by the *Purchaser*

This is the list of drawings issued by the *Purchaser* at or before the Contract Date and which apply to this contract.

Drawing number	Revision	Title

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

C3.2 *SUPPLIER'S* GOODS INFORMATION

Refer to Annexure A

This section could also be compiled as a separate file.
