

## PART 2: PRICING DATA

### NEC3 Supply Contract

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

## 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:

<b>Identified and defined terms</b>	11 11.2	<p>(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.</p> <p>(12) The Price Schedule is the <i>price schedule</i> unless later changed in accordance with this contract.</p>
<b>Assessing the amount due</b>	50.2	<p>The amount due is</p> <ul style="list-style-type: none"> <li>• the Price for each lump sum item in the Price Schedule which the <i>Supplier</i> has completed,</li> <li>• 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,</li> <li>• plus other amounts to be paid to the <i>Supplier</i>,</li> <li>• less amounts to be paid by or retained from the <i>Supplier</i>.</li> </ul> <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*;
- 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.

## C2.2 the price schedule

ITEM NO	MATERIAL	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	0147772	TRANSMITTER, PRESSURE: RANGE: 0-23.4 KPA; OUTPUT: 4-20 MA; SUPPLY: 21.6-32 VDC; CONNECTION: 1/2 IN; ELECTRICAL CONNECTION: 2 WIRE/BLIND PLUG; BODY MATERIAL: ALUMINIUM; DIAPHRAGM MATERIAL: HASTELLOY C276; TYPE: MEASURE; MOUNT: PIPE; SPECIFICATION: GS 01C25F01-01E; ENCLOSURE: IP55; SUPPL P/N: EJX530A-EAS8N-019EF ; DIAL INDICATION 0 - 100 PCT, OUTPUT SIGNAL WITH DIGITAL COMMUNICATION (HART PROTOCOL), MEASUREMENT SPAN(CAPSULE) 8 TO 200 KPA, WETTED PARTS: PROCESS CONNECTION 316L SST#, DIN 16 288, AMPLIFIER HOUSING CAST ALLUMINIUM ALLOY, ELECTRICAL CONNECTION M20 FEMALE, INTEGRAL INDICATOR DIGITAL WITH THE RANGE SETTING SWITCH, MOUNTING BRACKET 304 SST 2 INCH; POINT CALIBRATION CERTIFICATE REQUIRED	20	EA		
2	0147783	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0.5-100 KPA; OUTPUT: 4-20 MA; WORKING PRESSURE: 100 KPA; APPLICATION: BOILER/TURBINE; TYPE: COMMISSIONING SPARES/TEST EQUIPMENT; MOUNT: BASE; SUPPL P/N: EJX110A-JMS4G-919EB/KU22/JH01 ; MODEL NO: EJX110A-JMS4G-919EB/KU22; CONNECTION: FLANGE; SUPPLY: 24 VOLT DIRECT CURRENT	30	EA		
3	0147975	TRANSMITTER: TYPE: INPUT/OUTPUT SIGNAL; RANGE: 4-20 MA; OUTPUT: 20-100 KPA; SUPPLY: 24 VDC; SUPPL P/N: V18311-3621101; MODEL NO: TEIP2-EX	66	EA		
4	0148885	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0-40 KPA; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; WORKING PRESSURE: 0-24.9 KPA; CONNECTION: 1/4 IN-18NPT; ELECTRICAL CONNECTION: PLUG HAN 8U; APPLICATION: SPRAY WATER FLOW; TYPE: PRESSURE; MOUNT: BRACKET; SUPPL P/N: FKCW44V4-LKBY- AA-G; LINEAR PN 40MPA, EQUIVALENT TO 0-12.5KG/SEC, VERSION S 1.4404, CAP O-RINGS BUNA, FILLING LIQUID SILICON OIL, CONNECTION TOP AND BOTTOM LOCAL INDICATOR 0-12.5KG/S QUADR, ELEC DAMPING ELEMENT 3S, SPRAYWATER FLOW, USE ORIGINAL PACKING IN STORAGE	20	EA		
5	0155183	TRANSDUCER: TYPE: TEMPERATURE; INPUT: 0-400 DEG C; OUTPUT: 0-10 MA; POWER SOURCE: 24 VDC; SUPPL P/N: 753-829 TEU 700MB; REFERENCE NO: 753-829; SINEAX PT100DIN	25			
6	0157768	TRANSDUCER:COMPUTER;I/P 0-1 A AC;220 VAC	50	EA		

7	0172812	TRANSMITTER, PRESSURE: RANGE: 0-25 MPA; OUTPUT: 4-20 MA; SUPPL P/N: 624GW210211A111; PROGRAMMABLE 600 T	50	EA		
8	0172813	TRANSMITTER, PRESSURE: RANGE: 0-1600 KPA; OUTPUT: 4-20 MA; SUPPLY: 24 V; CONNECTION: 1/2 IN-BSPP; SUPPL P/N: 266GSHUKTNB1L1B6I1; PROGRAMMABLE 600 T	60	EA		
9	0172815	TRANSMITTER, PRESSURE: RANGE: 0-250 KPA; OUTPUT: 4-20 MA; CONNECTION: VALVE MANIFOLD; SUPPL P/N: 621GC2H1A11A111; PROGRAMMABLE 600 T	30	EA		
10	0172816	TRANSMITTER, PRESSURE: RANGE: 0-40 BAR; OUTPUT: 4-20 MA; SUPPLY: 11.5-45 VDC; CONNECTION: 1/2 IN FEMALE; SUPPL P/N: 1593 6T 692; ASD 800; MAT HAST C/1.4404/1K, MIN SPAN 1.334 BAR	20	EA		
11	0172827	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0-250 KPA; OUTPUT: 4-20 MA; SUPPLY: 11-42 VDC; WORKING PRESSURE: STATIC 42 MPA; CONNECTION: SS 1/4 IN-BSPT, 12 MM PIPE MALE CONNNECTOR FITTING; APPLICATION: DP H2 SEAL OIL; TYPE: DIFFERENTIAL PRESSURE TRANSMITTER; MOUNT: BRACKET ON VERTICAL PIPE; SUPPL P/N: 622DR2H3A11A111; 600 T SERIES	25	EA		
12	0172842	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0-40 BAR; OUTPUT: 4-20 MA; SUPPLY: 11.5-48 VDC; WORKING PRESSURE: 0-2400 KPA; CONNECTION: 1/4 IN-FNPT X 12 MM PIPE IN; APPLICATION: FEED/STEAM FLOW; TYPE: DIFFERENTIAL PRESSURE; MOUNT: BRACKET; SUPPL P/N: ASK 800; 15963T027165/621DF/621DF2H1A11A111; 600T SERIES, COMPLETE WITH DIGITAL DISPLAY	25	EA		
13	0172844	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0-1600 KPA; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; WORKING PRESSURE: 210 BAR; CONNECTION: NPT 1/4 IN; SUPPL P/N: 621DE2H1A11A111	60	EA		
14	0172845	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0-160 KPA; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; WORKING PRESSURE: 210 BAR; 21 MPA; 3045 PSI; CONNECTION: 1/4 IN-18NPT; DIAPHRAGM MATERIAL: SS/SILICON OIL; BODY MATERIAL: AL ALLOY; MOUNT: BRACKET; SUPPL P/N: 621DD2HIA11A111; MODEL NO: 264DS.H.S.S.A.2.B.1.V1.D1.B1; SPAN LIMITS/STATIC 1.6 AND 160KPA/16 AND 1600MBAR/6.4 AND 642 IN H2O, DIAPHRAGM MATERIAL GRADE AISI 316L, PROCESS FLANGES/ADAPTERS AISI 316L SS/HORISONTAL, DIRECT MATERIAL, CONNECTION BOLTS/GASKETS AISI 316 SS/PTFE, BARREL VERSION/M20 X 1.5, ELECTRICAL CONNECTION DRAIN/VENT VALVE MATERIAL AND POSITION AISI 316L SS/ON PROCESS AXIS, MOUNTING BRACKET FOR PIPE MOUNTING/CS	40	EA		
15	0172847	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0-10 KPA; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; WORKING PRESSURE: 10 KPA; CONNECTION: BSP 1/4 IN; APPLICATION: DIFFERENTIAL PRESSURE; TYPE: DIFFERENTIAL PRESSURE; MOUNT: BRACKET; ABB ONLY TO BE SUPPLIED	40	EA		

16	0172848	TRANSMITTER, PRESSURE: RANGE: 0-6 KPA; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; CONNECTION: 1/2 IN; ABB ONLY TO BE SUPPLIED	20	EA		
17	0175736	TRANSDUCER: TYPE: ACCELEROMETER; INPUT: 9.7-10.7; OUTPUT: 10-14 VDC; POWER SOURCE: 18-30 VDC; APPLICATION: SPEED; MODEL NO: CMSS-2100; TOP EXIT C5015, TWO PIN CONNECTOR, 1/4 INCH 2B AND M8 MOUNTING STUDS	15	EA		
18	0183051	TRANSMITTER, PRESSURE: RANGE: 0-60 MPA; OUTPUT: 4-20 MA; SUPPLY: 10-40 VDC; CONNECTION: 1/2 IN-NPT; SUPPL P/N: ASD 800; 1030-054-170-070-023-044-244-142-Z2E; 15936A.1030-054-170-070-023-044-244-142-Z2E	30	EA		
19	0189602	TRANSDUCER: TYPE: PHASE REFERENCE PROBE; INPUT: 10-90 MILS; OUTPUT: 200 MV/MIL; APPLICATION: MAIN TURBINE; SUPPL P/N: CMSS65-072-00-12-10; 5MM EDDY CURRENT PROBE INTRINSIC SAFE, 1 METER	60	EA		
20	0189603	TRANSDUCER: TYPE: DISPLACEMENT PROBE DRIVER; INPUT: 15-160 MILS; OUTPUT: 100 MV/MIL; POWER SOURCE: -24 TO -30 VDC; SUPPL P/N: CMSS 785-21; MAIN TURBINE EXTENDED RANGE, 8 MM EDDY CURRENT 10 METER EXTENDED RANGE	25	EA		
21	0189607	TRANSDUCER: TYPE: VIBRATION RELATIVE SENSOR; INPUT: 10-100MILS; OUTPUT: 200 MV/MIL; POWER SOURCE: 24 V; SUPPL P/N: CMSS 78-LM2-00-12-10; MAIN TURBINE SHAFT RELATIVE VIBRATION SENSOR, 8 MM EDDY CURRENT PROBE 1 METER	60	EA		
22	0189610	TRANSDUCER: TYPE: VIBRATION SENSOR; INPUT: 10-100; OUTPUT: 200 MV/MIL; POWER SOURCE: 24 V; SUPPL P/N: CMSS 78-LM2-00-12-10-EX; 8 MM EDDY CURRENT PROBE INTRINSIC SAFE 1 METER, FOR USE WITH MAIN TURBINE VIBRATION SYSTEM	60	EA		
23	0222147	TRANSMITTER, TEMPERATURE: RANGE: -250 TO 1370 DEG C; OUTPUT: 4-20 MA; SUPPLY: 6.5-30 VDC; TYPE: PROGRAMMABLE; SUPPL P/N: 2211; USED ON ALL TEMPERATURE LOOPS; FLEXTOP	300	EA		
24	0222148	TRANSMITTER, TEMPERATURE: RANGE: -250 TO 1370 DEG C; OUTPUT: 4-20 MA; SUPPLY: 6.5-28 VDC; SUPPL P/N: FLEXTMP ISO; PROGRAMMABLE, FOR BOILER AND TURBINE WHITE METAL LOOPS	300	EA		
25	0222844	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0.1-10 KPA; OUTPUT: 4-20 MA; WORKING PRESSURE: 16 MPA; DIAPHRAGM MATERIAL: SS GR F316L; BODY MATERIAL: ALUMINIUM; ELECTRICAL CONNECTION: M20 FEMALE; APPLICATION: BOILER; TYPE: MEASURE; SPECIFICATION: GS 01C25B01-01E; MOUNT: FLAT SS 304, HORIZONTAL PIPE 2 IN; ENCLOSURE: IP55; MANUF P/N: EJX110A-JLH4G-919EB/KU22/JH01; ELECTRICAL CONNECTION 2 WIRE WITH BLIND PLUG, OUTPUT SIGNAL WITH DIGITAL COMMUNICATION (HART PROTOCOL), PROCESS CONNECTION CONNECTOR, BOLTS AND NUTS SS 316L,	30	EA		

		INSTALLATION HORIZONTAL PIPING AND LEFT SIDE HIGH PRESSURE, AMPLIFIER HOUSING, CAST ALLUMINIUM ALLOY, INTEGRAL INDICATOR DIGITAL WITH THE RANGE SETTING SWITCH, WETTED PARTS: COVER FLANGE AND PROCESS CONNECTOR ASTM CF-8M, CAPSULE HASTELLOY C-276, CAPSULE GASKET TEFLON COATED SS 316L, DRAIN/VENT PLUG SS 316, PROCESS CONNECTOR; 7 POINT CALIBRATION CERTIFICATE REQUIRED; CONNECTION: 1/2 IN-FNPT; SUPPLY: 24 VOLT DIRECT CURRENT				
26	0222845	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 2.5-500 KPA; OUTPUT: 4-20 MA; WORKING PRESSURE: 25 MPA; DIAPHRAGM MATERIAL: SS GR F316L; BODY MATERIAL: ALUMINIUM; ELECTRICAL CONNECTION: 2 WIRE WITH BLIND PLUG; APPLICATION: C&I; TYPE: MEASURE; SPECIFICATION: GS 01C25B01-01E; MOUNT: PIPE; CAPILLARY LENGTH: NONE; ENCLOSURE: IP55; MANUF P/N: EJX110A-JHS4G-919EB/KU22/JH01; OUTPUT SIGNAL WITH DIGITAL COMMUNICATION (HART PROTOCOL), MEASUREMENT SPAN(CAPSULE) 2.5 TO 500 KPA, BOLTS AND NUTS 316L SST STAINLESS STEEL, INSTALLATION HORIZONTAL PIPING AND LEFT SIDE HIGH PRESSURE, AMPLIFIER HOUSING CAST ALUMINIUM ALLOY, ELECTRICAL CONNECTION M20 FEMALE, INTEGRAL INDICATOR DIGITAL WITH THE RANGE SETTING SWITCH, MOUNTING BRACKET 304 SST 2 INCH PIPE - FLAT TYPE FOR HORIZONTAL PIPING, WETTED PARTS:- COVER FLANGE AND PROCESS CONNECTOR ASTM CF-6M, CAPSULE HASTELLOY C-276, CAPSULE GASKET TEFLON COATED 316L SST, DRAIN/VENT PLUG 316 SST; 7 POINT CALIBRATION CERTIFICATE REQUIRED; CONNECTION: 1/2 IN-FNPT; SUPPLY: 24 VOLT DIRECT CURRENT	20	EA		
27	0222846	TRANSMITTER, PRESSURE: RANGE: 0.4-20 BAR; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; CONNECTION: G1/2; ELECTRICAL CONNECTION: 2 WIRE/BLIND PLUG; BODY MATERIAL: ALUMINIUM; DIAPHRAGM MATERIAL: HASTELLOY C276; TYPE: MEASURE; MOUNT: PIPE; SPECIFICATION: GS 01C25F01-01E; ENCLOSURE: IP55; MANUF P/N: EJX530A-JBS8N-019EL/KU22/JH01; OUTPUT WITH DIGITAL COMMUNICATION (HART PROTOCOL), MEASUREMENT SPAN(CAPSULE) 0.04 TO 2 MPA, WETTED PARTS MATERIAL: PROCESS CONNECTION 316L SST#, AMPLIFIER HOUSING CAST ALLUMINIUM ALLOY, ELECTRICAL CONNECTION M20 FEMALE, INTEGRAL INDICATOR DIGITAL WITH THE RANGE SETTING SWITCH, MOUNTING BRACKET 304 SST 2 INCH, PROCESS CONNECTION DIN 16 288. EJX530A-JBS8N-019EL/KU22	15	EA		
28	0222847	TRANSMITTER, PRESSURE: RANGE: 2-100 BAR; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; CONNECTION: G1/2; ELECTRICAL CONNECTION: 2 WIRE/BLIND PLUG; BODY MATERIAL: ALUMINIUM; DIAPHRAGM MATERIAL: HASTELLOY C276; TYPE: MEASURE; MOUNT: PIPE; SPECIFICATION: GS	15	EA		

		01C25F01-01E; ENCLOSURE: IP55; SUPPL P/N: EJX530A-JCS8N-019EL; WITH DIGITAL COMMUNICATION HART PROTOCOL; MEASUREMENT SPAN CAPSULE 0.2 TO 10 MPA; WETTED PARTS: PROCESS CONNECTION 316 SS; PROCESS CONNECTION DIN 16 288; AMPLIFIER HOUSING, CAST ALLUMINIUM ALLOY; ELECTRICAL CONNECTION M20 FEMALE; INTEGRAL INDICATOR DIGITAL WITH THE RANGE SETTING SWITCH; MOUNTING BRACKET 304 SST 2 IN				
29	0222849	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0-140 KPA; OUTPUT: 4-20 MA; WORKING PRESSURE: 25 MPA; APPLICATION: COLLECTING VESSEL; TYPE: MEASURE; MOUNT: BRACKET; MANUF P/N: EJA110A-JVS4B-919EB/KU22/JH01; 7 POINT CALIBRATION CERTIFICATE REQUIRED; CONNECTION: 1/2 IN-FNPT; SUPPLY: 24 VOLT DIRECT CURRENT	20	EA		
30	0233362	TRANSMITTER, PRESSURE: RANGE: -100 TO 200 KPA; OUTPUT: 4-20 MA; SUPPLY: 10.5-42 VDC; CONNECTION: 1/2 IN-BSP; ELECTRICAL CONNECTION: 2 WIRE; MANUF P/N: EJX510A-JAS8N-019EL/KU22/JH01; ABSOLUTE, GALVANICALLY ISOLATED SUPPLY, OUTPUT 0-41KPA CALIBRATED;7 POINT CALIBRATION CERTIFICATE REQUIRED	15	EA		
31	0240204	TRANSDUCER: TYPE: MICROPHONE; INPUT: 4-20 MA; OUTPUT: 4-20 MA; POWER SOURCE: 24 VDC; SUPPL P/N: EA81-001-000; SIZE 45 MM DIA X 70 MM LG; WITH SS; FOR THE BOILER TUBE LEAK DETECTION SYSTEM; PROCON T96	100	EA		
32	0248232	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0.27-16 KPA; OUTPUT: 4-20 MA; WORKING PRESSURE: 16 KPA; CONNECTION: 1/4 IN-FNPT; DIAPHRAGM MATERIAL: SS GR 316L; BODY MATERIAL: AL ALLOY; APPLICATION: COAL FEEDER; TYPE: AIR SEAL, FAN ORIFICE; CLASSIFICATION: 264DS; MOUNT: BACKING PLATE; MANUF P/N: 74506.MOD1	15	EA		
33	0251129	TRANSMITTER: TYPE: BURNER TILTS; RANGE: 0-60 DEG; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; APPLICATION: ANALOG MEASUREMENT OF ROTATIONAL ANGLES; SUPPL P/N: TGM5 04080149; IT TRANSFORMS THE ANGULAR POSITION INTO LOAD INDEPENDENT	40	EA		
34	0251946	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0-100 KPA; SUPPLY: 24 V; APPLICATION: BAG FILTER ENCLOSURE; ENCLOSURE: IP65	20	EA		
35	0253720	TRANSMITTER, LEVEL: RANGE: -40 TO 40 KPA; OUTPUT: 4-20 MA; SUPPLY: 10.5-30 VDC; CONNECTION: 1/2 IN-NPT; WORKING PRESSURE: 65 KPA; APPLICATION: SLURRY TANK; MANUF P/N: 264DSFSSA2B1	75	EA		
36	0254144	TRANSMITTER, PRESSURE: RANGE: 0-33 KPA; OUTPUT: 4-20 MA; SUPPLY: 10-24 V; CONNECTION: FLANGE; TYPE: FUEL OIL; APPLICATION: MAINTAINING VALVE; MANUF P/N: 26 4HSSQHBB1L1	20	EA		
37	0553097	TRANSMITTER, LEVEL: RANGE: 0-100 PCT; OUTPUT: 0-75 M; SUPPLY: 4-20 MA; WORKING PRESSURE: -1 TO 160 BAR; TYPE: GUIDED RADAR; BODY MATERIAL: SS 316; DIAPHRAGM	50	EA		

		MATERIAL: STAINLESS STEEL; ELECTRICAL CONNECTION: 2 WIRE; APPLICATION: BULK SOLIDS; MOUNT: VERTICAL; ENCLOSURE: IP68; MANUF P/N: FMP57-AAACALCA4AFJ+LA; THIS IS THE GUIDED FMP57 RADAR BY E&H THAT IS USED AT THE SEDIMENTATION SOUTH PLANT TO MEASURE LIME LEVEL; SILO IS 8M IN HEIGHT WITH A MEASURING RANGE OF 0-7.5M HEIGHT; CONNECTION: FLANGE				
38	0562911	TRANSDUCER: TYPE: CURRENT TO CURRENT; INPUT: 4-20 MA; OUTPUT: 4-20 MA; POWER SOURCE: 95-265 VAC; APPLICATION: STACK; MANUF P/N: TIMO18-MK2; IP40; ONE SIGNAL INPUT; SPLITS 4-20 MA TO THREE OUTPUTS; TRIPPLE LOOP SPLITTER	10	EA		
39	0564191	TRANSMITTER, PRESSURE: RANGE: 0-800 KPA; OUTPUT: 4-20 MA; SUPPLY: 10.5-42 V; CONNECTION: 1/2 IN-NPT; BODY MATERIAL: AL ALLOY; DIAPHRAGM MATERIAL: SS GR 316L; TYPE: ABSOLUTE; APPLICATION: STATION DE-SLUDGE SYSTEM; MOUNT: PIPE; ENCLOSURE: IP65; MANUF P/N: 266GSH.D.K.P.N.B.1.L1; AMBIENT TEMPERATURE: -40 TO 85 DEG C; PROCESS TEMPERATURE: -50 TO 121 DEG C	20	EA		
40	0565834	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0-150 KPA; OUTPUT: 4-20 MA; SUPPLY: 10.5-42 VDC; WORKING PRESSURE: -160 TO 160 KPA; CONNECTION: 1/4 IN; DIAPHRAGM MATERIAL: SS GR 316L; BODY MATERIAL: AL ALLOY; APPLICATION: CATION RESIN; TYPE: MEASURING; MOUNT: PIPE; ENCLOSURE: IP68; MANUF P/N: 266DSH.H.S.S.Q.2.B.1.V2.L1; AMBIENT TEMPERATURE: -40 TO 85 DEG C; PROCESS TEMPERATURE: -40 TO 121 DEG C; URW: -0.15%; WET AND DUST LADEN ATMOSPHERE	10	EA		
41	0565835	TRANSMITTER, LEVEL: RANGE: 0-8 M; OUTPUT: 4-20 MA; SUPPLY: 14-36 VDC; CONNECTION: THD G2 A; NPT 2 IN; WORKING PRESSURE: -0.2 TO 2 BAR; TYPE: ULTRASONIC; DIAPHRAGM MATERIAL: PVDF; ELECTRICAL CONNECTION: 2 WIRE; APPLICATION: COOLING TOWERS; MOUNT: FLANGE; ENCLOSURE: IP68; MANUF P/N: SN62.XXAGHKMAX; PROCESS TEMPERATURE: -40 TO 80 DEG C	40	EA		
42	0567228	TRANSMITTER, LEVEL: RANGE: 0-15 M; OUTPUT: 4-20 MA; SUPPLY: 115-230 VAC; CONNECTION: 1 IN; WORKING PRESSURE: -0 TO 200 KPA; TYPE: ULTRASONIC; BODY MATERIAL: POLYCARBONATE; APPLICATION: WATER TREATMENT PLANT; MOUNT: FLANGE; ENCLOSURE: IP65; MANUF P/N: LS7400.YO.515.NI.P3.AI.H1-SC2; COUGULANT BULK TANK 1 AND 2	40	EA		
43	0567417	TRANSMITTER, LEVEL: RANGE: 0-10 M; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; CONNECTION: 2 IN; WORKING PRESSURE: 0 TO 80 KPA; TYPE: ULTRASONIC; BODY MATERIAL: POLYCARBONATE; APPLICATION: WATER TREATMENT PLANT; MOUNT: FLANGE; ENCLOSURE: IP65; MANUF P/N: LST300YOCIOU2B1BF	40	EA		
44	0567953	TRANSMITTER, PRESSURE: RANGE: 0-200 KPA; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; CONNECTION: 1/2 IN-NPT; BODY	15	EA		

		MATERIAL: AL ALLOY; DIAPHRAGM MATERIAL: SS GR 316L; TYPE: MEASURE; MOUNT: BRACKET; ENCLOSURE: IP65; MANUF P/N: 266GSH.L.K.P.N.B.1; AMBIENT TEMPERATURE: -40 TO 85 DEG C; PROCESS TEMPERATURE: -50 TO 121 DEG C < 0.005% URL				
45	0568412	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0-5 KPA; OUTPUT: 4-20 MA; SUPPLY: 10.5-42 VDC; WORKING PRESSURE: -16 TO 16 KPA; CONNECTION: 1/4 IN; DIAPHRAGM MATERIAL: SS GR 316L; BODY MATERIAL: AL ALLOY; ELECTRICAL CONNECTION: 4 WIRE; APPLICATION: MIXED BED RESIN TRAP; TYPE: MEASURING; MOUNT: BRACKET; ENCLOSURE: IP68; MANUF P/N: 266DSH.E.S.SQ.2.B.1V2.L1; AMBIENT TEMPERATURE: -40 TO 85 DEG C; PROCESS TEMPERATURE: -40 TO 121 DEG C; -0.15% OF URL; 100% RELATIVE HUMIDITY	30	EA		
46	0572146	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0-30 KPA; OUTPUT: 4-20 MA; SUPPLY: 9-32 VDC; WORKING PRESSURE: 0-60 KPA; CONNECTION: 1/2 IN; DIAPHRAGM MATERIAL: AISI 316 LSS; BODY MATERIAL: ALUMINIUM ALLOY; APPLICATION: WTP CONTROL SYSTEM; TYPE: MEASURE; SPECIFICATION: IEC 61518; MOUNT: BRACKET; ENCLOSURE: IP67; MANUF P/N: 266DSH.G.S.S.Q.2.B.1.V2.L1; AMBIENT TEMPERATURE -40 TO 85 DEGREE CEL; WATER ENVIROMENT	15	EA		
47	0572147	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0-150 KPA; OUTPUT: 4-20 MA; SUPPLY: 9-32 VDC; WORKING PRESSURE: 0-300 KPA; CONNECTION: 1/2 IN; DIAPHRAGM MATERIAL: AISI 316 LSS; BODY MATERIAL: ALUMINIUM ALLOY; APPLICATION: WTP CONTROL SYSTEM; TYPE: MEASURE; SPECIFICATION: IEC 61518; MOUNT: BRACKET; ENCLOSURE: IP67; MANUF P/N: 266DSH.M.S.S.Q.2.B.1.V2.L1; AMBIENT TEMPERATURE -40 TO 85 DEGREE CEL; WATER ENVIROMENT	15	EA		
48	0572153	TRANSMITTER, DIFFERENTIAL PRESSURE: RANGE: 0-4 KPA; OUTPUT: 4-20 MA; SUPPLY: 9-32 VDC; WORKING PRESSURE: 0-6 KPA; CONNECTION: 1/2 IN; DIAPHRAGM MATERIAL: AISI 316 LSS; BODY MATERIAL: ALUMINIUM ALLOY; APPLICATION: WTP CONTROL SYSTEM; TYPE: MEASURE; SPECIFICATION: IEC 61518; MOUNT: BRACKET; ENCLOSURE: IP67; MANUF P/N: 266DSH.E.S.S.Q.2.B.1.V2.L2; AMBIENT TEMPERATURE -40 TO 85 DEGREE CEL; WATER ENVIROMENT	12	EA		
49	572268	TRANSMITTER TEMP:-40 TO 12 DEG C;230 VAC	20	EA		
50	0625705	TRANSMITTER: TYPE: FLOW; RANGE: 20 DEG C; OUTPUT: 20 MA; SUPPLY: 100-230 VAC; APPLICATION: WATER PLANT; CONNECTION: CABLE; MOUNT: REMOTE; ENCLOSURE: IP67; MANUF P/N: FET121.1.1.A.O.Y.1.A.1.A.1; FEV121 WATER MASTER ELECTROMAGNETIC FLOWMETER NOT SUPPLY WITH TUBE	25	EA		
51	0646771	TRANSDUCER: TYPE: PM8000; 6 ANALOG; INPUT: 1 A; OUTPUT: ANALOG AND DIGITAL; POWER SOURCE: 90/415 VAC; 120/300 VDC; SPECIFICATION: ESKOM 240-51999977;	40	EA		

		DRAWING NO: D-DT 9121 REV 0; TRANSDUCER STANDALONE CONSISTING OF A SCHNEIDER PM8000 SERIES TRANSDUCER (1X METSEPM8243, 3X METSEPM89M0024); COMMUNICATION PORTS: 1X RS485 PORT, 2X 10/100 BASE-T-ETHERNET (RJ45) PORTS; 6 PROGRAMMABLE ANALOGUE OUTPUTS (4-20MA), MODBUS, DNP3, IEC 61850; CALIBRATED WITH CALIBRATION CERTIFICATE PROVIDED WITH THE TRANSDUCER				
52	0646774	TRANSDUCER: TYPE: PM8000; REMOTE DISPLAY; INPUT: RJ45; OUTPUT: DIGITAL; POWER SOURCE: TRANSDUCER; SPECIFICATION: ESKOM 240-51999977; DRAWING NO: D-DT-9121 REV 0; TRANSDUCER STANDALONE DISPLAY CONSISTING OF A SCHNEIDER PM8000 SERIES REMOTE DISPLAY (1X METSEPM89RD96); 3M CABLE, MOUNTING HARDWARE FOR 30MM HOLE (NUT AND CENTRE PIN), MOUNTING HARDWARE FOR DIN96 CUTOUT (92MM X 92MM) ADAPTOR PLATE	40	EA		
53	0652816	TRANSDUCER: TYPE: RESISTANCE; INPUT: 0-150 DEG C; OUTPUT: 4-20 MA; POWER SOURCE: 230 VAC 50 HZ; APPLICATION: TRANSFORMER; SPECIFICATION: IEC 688; IEC 1010-1; OEM P/N: VR 400 L-154; MAX 15 VDC; PT 100 3 WIRE; WTI AND OTI; < +/- 0.2 PCT; TEST VOLTAGE 5.6 KV; CURRENT 2-3 MA; CONTACT ELECTRICAL ENGINEERING REGARDING THE SOLE SOURCE POWERTECH TRANSFORMERS; TILLQUIST	15	EA		
54	0669626	TRANSDUCER: TYPE: TWO WIRE; INPUT: 0-100 BAR; OUTPUT: 4-20 MA; POWER SOURCE: 10-30 VDC; MANUF P/N: PCS 14220641; 2 WIRE AT 10-30 VDC; ACCURACY 0.5 PERCENT OF SPAN 1/4 NPT; SEALING: WITHOUT; WETTED PARTS: STAINLESS STEEL, I5-3 STANDARD	30	EA		
55		SAFETY FILE (FIRST YEAR)	1	SUM		
56		SAFETY FILE (YEARS 2-5)	4	ANNUALLY		

The total of the Prices