

EXPRESSION OF INTEREST (EOI)

Project	CERES
Company / Client	Perdaman Chemicals and Fertilisers Pty Ltd
Material Requisition Number	0000-SA-E-50044
Package Title	FIELD FIRE AND GAS DEVICES
1. SUBMISSION PROCEDURE	
EOI Instructions	<p>Supplier(s) are invited to express interest by registering on ICN Gateway where competency and previous positive experiences of similar supply of goods / services can be demonstrated.</p> <p>When submitting interest registrants will be asked to complete an expression of interest document. The registrant's response will form their Expression of Interest (EOI) for material and/or services.</p> <p>Suppliers will only be considered for Prequalification should they satisfy stated criteria, including but not limited to Health, Safety & Environmental Management, Quality management, financial standing, relevant experience and availability.</p>
EOI Closing Date	Please submit by close of business on 15/01/2024
Returnable Schedules	Where the EOI calls for any Returnable Schedules, please ensure all schedules are submitted.
Contact	<p>All initial enquiries should be made through the Industry Capability Network Western Australia (ICNWA).</p> <p>Andie Pfaff Andie.pfaff@icnwa.org.au +61 (08) 9365 7442</p>
URL	<p>For more information regarding the Perdaman, refer.</p> <ul style="list-style-type: none"> https://www.perdamanindustries.com.au/scjv/
2. INDICATIVE SCOPE OF WORK	
Package Description	<p>Overview</p> <p>Saipem Australia Pty Ltd and Clough Projects Australia Pty Ltd Joint Venture (herein referred to as the "CONTRACTOR") has reached an agreement with Perdaman Chemicals and Fertilisers Pty Ltd (herein referred to as the "OWNER") for the Engineering, Procurement, Construction and Commissioning of the PROJECT CERES located in Burrup Strategic Industrial Area, Burrup Peninsula, Western Australia.</p> <p>Perdaman Chemicals and Fertilisers Pty Ltd (OWNER) is focused on the development of Perdaman - Project CERES which shall be the world's largest gas stream ammonia-urea plant with a production capacity of 2.14 MMTPA granular urea.</p>

	<p>General Scope of Supply / Services</p> <p>Design, engineering, supply of materials, fabrication and assembly, shop tests and inspections, painting and marking, packing, transportation, etc., of FOR FIELD FIRE AND GAS DEVICES as listed in Annexure 1.</p> <p>Further inclusions consist of provision of management, design, calculation, procurement, fabrication, testing and certification to satisfy the scope of supply.</p> <p>The following must be provided:</p> <ul style="list-style-type: none"> • Technical deviations list • Special tools list • Schedule of rates • Spares list • Quality assurance <p>Responsibilities will include <i>inter alia</i>:</p> <ul style="list-style-type: none"> • The VENDOR shall assure responsibility for the entire package, including each sub-supply and components indicated in this specification. • Project management, reporting, attending meetings, participation in risk assessment workshops. • Comply with site mobilisation and site requirements. • Delivering work in a safe manner and to the required standards • Whole Guarantee and responsibility for assembling and good operation of the complete unit.
Standards	Compliance with National, International and Industry Standards, Australian and WA Regulatory requirements.
Key Dates	Tender planned to be issued during January 2024
Point of Delivery	Module Fabrication Yard, Chennai, India (Outside Australia)
3. RETURNABLE DOCUMENTS	
List of Returnable Schedules	List of experience on similar equipment supply projects
4. DISCLAIMER	
This Expression of Interest to gain an insight into the capabilities of potential suppliers and/or service providers and not a Tender Invitation or offer - the schedule and content of this work is subject to change pending project demand and timelines.	

ANNEXURE - 1

FOR FIRE& GAS DETECTORS, HORNS, BEACONS MTO LIST

S.no	Type	Tag no.	Measuring principle	Operating Voltage
1	GAS DETECTOR (CO)	1000-GD -1A04	Electrochemical	24VDC
2	GAS DETECTOR (CO)	1000-GD -1A12	Electrochemical	24VDC
3	GAS DETECTOR (CO)	1000-GD -1A18	Electrochemical	24VDC
4	GAS DETECTOR (CO)	1000-GD -1A20	Electrochemical	24VDC
5	GAS DETECTOR (CO)	1000-GD -1A24	Electrochemical	24VDC
6	GAS DETECTOR (CO)	1000-GD -1A25	Electrochemical	24VDC
7	GAS DETECTOR (CO)	1000-GD -1A27	Electrochemical	24VDC
8	GAS DETECTOR (CO)	1000-GD -1A28	Electrochemical	24VDC
9	GAS DETECTOR (CO)	1000-GD -1A34	Electrochemical	24VDC
10	GAS DETECTOR (CO)	1000-GD -1A36	Electrochemical	24VDC
11	GAS DETECTOR (CO)	1000-GD -1A38	Electrochemical	24VDC
12	GAS DETECTOR (CO)	1000-GD -1A39	Electrochemical	24VDC
13	GAS DETECTOR (CO)	1000-GD -1A41	Electrochemical	24VDC
14	GAS DETECTOR (CO)	1000-GD -1A43	Electrochemical	24VDC
15	GAS DETECTOR (CO)	1000-GD -1A44	Electrochemical	24VDC
16	GAS DETECTOR (CO)	1000-GD -1A45	Electrochemical	24VDC
17	GAS DETECTOR (CO)	1000-GD -1A46	Electrochemical	24VDC
18	GAS DETECTOR (CO)	1000-GD -1A47	Electrochemical	24VDC
19	GAS DETECTOR (CO ₂)	1000-GD -1A06	Electrochemical	24VDC
20	GAS DETECTOR (CO ₂)	1000-GD -1A09	Electrochemical	24VDC
21	GAS DETECTOR (CO ₂)	1000-GD -1A10	Electrochemical	24VDC
22	GAS DETECTOR (CO ₂)	1000-GD -1A17	Electrochemical	24VDC
23	GAS DETECTOR (CO ₂)	1000-GD -1A19	Electrochemical	24VDC
24	GAS DETECTOR (CO ₂)	1000-GD -1A21	Electrochemical	24VDC
25	GAS DETECTOR (CO ₂)	1000-GD -1A22	Electrochemical	24VDC
26	GAS DETECTOR (CO ₂)	1000-GD -1A23	Electrochemical	24VDC
27	GAS DETECTOR (CO ₂)	1000-GD -1A26	Electrochemical	24VDC

28	GAS DETECTOR (CO2)	1000-GD -1A40	Electrochemical	24VDC
29	GAS DETECTOR (CO2)	1000-GD -1A42	Electrochemical	24VDC
30	GAS DETECTOR (CO2)	2500-GD -1B18	Electrochemical	24VDC
31	GAS DETECTOR (CO2)	2500-GD -1B19	Electrochemical	24VDC
32	GAS DETECTOR (CO2)	2500-GD -1B21	Electrochemical	24VDC
33	GAS DETECTOR (FORMALDEHYDE)	2600-GD -0210	Electrochemical	24VDC
34	GAS DETECTOR (FORMALDEHYDE)	2600-GD -0214	Electrochemical	24VDC
35	GAS DETECTOR (FORMALDEHYDE)	2600-GD -0215	Electrochemical	24VDC
36	GAS DETECTOR (FORMALDEHYDE)	2600-GD -0228	Electrochemical	24VDC
37	GAS DETECTOR (FORMALDEHYDE)	2700-GD -0310	Electrochemical	24VDC
38	GAS DETECTOR (FORMALDEHYDE)	2700-GD -0314	Electrochemical	24VDC
39	GAS DETECTOR (FORMALDEHYDE)	2700-GD -0315	Electrochemical	24VDC
40	GAS DETECTOR (FORMALDEHYDE)	2700-GD -0328	Electrochemical	24VDC
41	GAS DETECTOR (H2)	1000-GD -1A03	Catalytic bead	24VDC
42	GAS DETECTOR (H2)	1000-GD -1A05	Catalytic bead	24VDC
43	GAS DETECTOR (H2)	1000-GD -1A07	Catalytic bead	24VDC
44	GAS DETECTOR (H2)	1000-GD -1A11	Catalytic bead	24VDC
45	GAS DETECTOR (H2)	1000-GD -1A31	Catalytic bead	24VDC
46	GAS DETECTOR (H2)	2500-GD -1B02	Catalytic bead	24VDC
47	GAS DETECTOR (H2)	2500-GD -1B03	Catalytic bead	24VDC
48	GAS DETECTOR (H2)	2500-GD -1B04	Catalytic bead	24VDC
49	GAS DETECTOR (H2)	2500-GD -1B05	Catalytic bead	24VDC
50	GAS DETECTOR (H2)	2500-GD -1B29	Catalytic bead	24VDC
51	GAS DETECTOR (H2)	2600-GD -0211	Catalytic bead	24VDC
52	GAS DETECTOR (H2)	2600-GD -0213	Catalytic bead	24VDC
53	GAS DETECTOR (H2)	2700-GD -0311	Catalytic bead	24VDC
54	GAS DETECTOR (H2)	2700-GD -0313	Catalytic bead	24VDC
55	GAS DETECTOR (H2)	3400-GD -0401	Catalytic bead	24VDC
56	GAS DETECTOR (H2)	3400-GD -0406	Catalytic bead	24VDC
57	GAS DETECTOR (HC)	1000-GD -1A01	IR type	24VDC
58	GAS DETECTOR (HC)	1000-GD -1A02	IR type	24VDC

59	GAS DETECTOR (HC)	1000-GD -1A08	IR type	24VDC
60	GAS DETECTOR (HC)	1000-GD -1A13	IR type	24VDC
61	GAS DETECTOR (HC)	1000-GD -1A14	IR type	24VDC
62	GAS DETECTOR (HC)	1000-GD -1A15	IR type	24VDC
63	GAS DETECTOR (HC)	1000-GD -1A16	IR type	24VDC
64	GAS DETECTOR (HC)	1000-GD -1A29	IR type	24VDC
65	GAS DETECTOR (HC)	1000-GD -1A30	IR type	24VDC
66	GAS DETECTOR (HC)	1000-GD -1A32	IR type	24VDC
67	GAS DETECTOR (HC)	1000-GD -1A33	IR type	24VDC
68	GAS DETECTOR (HC)	1000-GD -1A35	IR type	24VDC
69	GAS DETECTOR (HC)	1000-GD -1A37	IR type	24VDC
70	GAS DETECTOR (HC)	3990-GD -0701	IR type	24VDC
71	GAS DETECTOR (HC)	3990-GD -0702	IR type	24VDC
72	GAS DETECTOR (HC)	3990-GD -0703	IR type	24VDC
73	GAS DETECTOR (NH3)	2500-GD -1B01	Electrochemical	24VDC
74	GAS DETECTOR (NH3)	2500-GD -1B06	Electrochemical	24VDC
75	GAS DETECTOR (NH3)	2500-GD -1B07	Electrochemical	24VDC
76	GAS DETECTOR (NH3)	2500-GD -1B08	Electrochemical	24VDC
77	GAS DETECTOR (NH3)	2500-GD -1B09	Electrochemical	24VDC
78	GAS DETECTOR (NH3)	2500-GD -1B10	Electrochemical	24VDC
79	GAS DETECTOR (NH3)	2500-GD -1B11	Electrochemical	24VDC
80	GAS DETECTOR (NH3)	2500-GD -1B12	Electrochemical	24VDC
81	GAS DETECTOR (NH3)	2500-GD -1B13	Electrochemical	24VDC
82	GAS DETECTOR (NH3)	2500-GD -1B14	Electrochemical	24VDC
83	GAS DETECTOR (NH3)	2500-GD -1B15	Electrochemical	24VDC
84	GAS DETECTOR (NH3)	2500-GD -1B17	Electrochemical	24VDC
85	GAS DETECTOR (NH3)	2500-GD -1B20	Electrochemical	24VDC
86	GAS DETECTOR (NH3)	2500-GD -1B22	Electrochemical	24VDC
87	GAS DETECTOR (NH3)	2500-GD -1B23	Electrochemical	24VDC
88	GAS DETECTOR (NH3)	2500-GD -1B24	Electrochemical	24VDC
89	GAS DETECTOR (NH3)	2500-GD -1B25	Electrochemical	24VDC

90	GAS DETECTOR (NH3)	2500-GD -1B26	Electrochemical	24VDC
91	GAS DETECTOR (NH3)	2500-GD -1B27	Electrochemical	24VDC
92	GAS DETECTOR (NH3)	2500-GD -1B28	Electrochemical	24VDC
93	GAS DETECTOR (NH3)	2500-GD -1B30	Electrochemical	24VDC
94	GAS DETECTOR (NH3)	2500-GD -1B31	Electrochemical	24VDC
95	GAS DETECTOR (NH3)	2500-GD -1B32	Electrochemical	24VDC
96	GAS DETECTOR (NH3)	2600-GD -0201	Electrochemical	24VDC
97	GAS DETECTOR (NH3)	2600-GD -0202	Electrochemical	24VDC
98	GAS DETECTOR (NH3)	2600-GD -0203	Electrochemical	24VDC
99	GAS DETECTOR (NH3)	2600-GD -0204	Electrochemical	24VDC
100	GAS DETECTOR (NH3)	2600-GD -0205	Electrochemical	24VDC
101	GAS DETECTOR (NH3)	2600-GD -0206	Electrochemical	24VDC
102	GAS DETECTOR (NH3)	2600-GD -0207	Electrochemical	24VDC
103	GAS DETECTOR (NH3)	2600-GD -0208	Electrochemical	24VDC
104	GAS DETECTOR (NH3)	2600-GD -0209	Electrochemical	24VDC
105	GAS DETECTOR (NH3)	2600-GD -0212	Electrochemical	24VDC
106	GAS DETECTOR (NH3)	2600-GD -0216	Electrochemical	24VDC
107	GAS DETECTOR (NH3)	2600-GD -0217	Electrochemical	24VDC
108	GAS DETECTOR (NH3)	2600-GD -0218	Electrochemical	24VDC
109	GAS DETECTOR (NH3)	2600-GD -0219	Electrochemical	24VDC
110	GAS DETECTOR (NH3)	2600-GD -0220	Electrochemical	24VDC
111	GAS DETECTOR (NH3)	2600-GD -0221	Electrochemical	24VDC
112	GAS DETECTOR (NH3)	2600-GD -0222	Electrochemical	24VDC
113	GAS DETECTOR (NH3)	2600-GD -0223	Electrochemical	24VDC
114	GAS DETECTOR (NH3)	2600-GD -0224	Electrochemical	24VDC
115	GAS DETECTOR (NH3)	2600-GD -0225	Electrochemical	24VDC
116	GAS DETECTOR (NH3)	2600-GD -0226	Electrochemical	24VDC
117	GAS DETECTOR (NH3)	2600-GD -0227	Electrochemical	24VDC
118	GAS DETECTOR (NH3)	2600-GD -0229	Electrochemical	24VDC
119	GAS DETECTOR (NH3)	2600-GD -0230	Electrochemical	24VDC
120	GAS DETECTOR (NH3)	2600-GD -0231	Electrochemical	24VDC

121	GAS DETECTOR (NH3)	2600-GD -0232	Electrochemical	24VDC
122	GAS DETECTOR (NH3)	2600-GD -0233	Electrochemical	24VDC
123	GAS DETECTOR (NH3)	2600-GD -0234	Electrochemical	24VDC
124	GAS DETECTOR (NH3)	2700-GD -0301	Electrochemical	24VDC
125	GAS DETECTOR (NH3)	2700-GD -0302	Electrochemical	24VDC
126	GAS DETECTOR (NH3)	2700-GD -0303	Electrochemical	24VDC
127	GAS DETECTOR (NH3)	2700-GD -0304	Electrochemical	24VDC
128	GAS DETECTOR (NH3)	2700-GD -0305	Electrochemical	24VDC
129	GAS DETECTOR (NH3)	2700-GD -0306	Electrochemical	24VDC
130	GAS DETECTOR (NH3)	2700-GD -0307	Electrochemical	24VDC
131	GAS DETECTOR (NH3)	2700-GD -0308	Electrochemical	24VDC
132	GAS DETECTOR (NH3)	2700-GD -0309	Electrochemical	24VDC
133	GAS DETECTOR (NH3)	2700-GD -0312	Electrochemical	24VDC
134	GAS DETECTOR (NH3)	2700-GD -0316	Electrochemical	24VDC
135	GAS DETECTOR (NH3)	2700-GD -0317	Electrochemical	24VDC
136	GAS DETECTOR (NH3)	2700-GD -0318	Electrochemical	24VDC
137	GAS DETECTOR (NH3)	2700-GD -0319	Electrochemical	24VDC
138	GAS DETECTOR (NH3)	2700-GD -0320	Electrochemical	24VDC
139	GAS DETECTOR (NH3)	2700-GD -0321	Electrochemical	24VDC
140	GAS DETECTOR (NH3)	2700-GD -0322	Electrochemical	24VDC
141	GAS DETECTOR (NH3)	2700-GD -0323	Electrochemical	24VDC
142	GAS DETECTOR (NH3)	2700-GD -0324	Electrochemical	24VDC
143	GAS DETECTOR (NH3)	2700-GD -0325	Electrochemical	24VDC
144	GAS DETECTOR (NH3)	2700-GD -0326	Electrochemical	24VDC
145	GAS DETECTOR (NH3)	2700-GD -0327	Electrochemical	24VDC
146	GAS DETECTOR (NH3)	2700-GD -0329	Electrochemical	24VDC
147	GAS DETECTOR (NH3)	2700-GD -0330	Electrochemical	24VDC
148	GAS DETECTOR (NH3)	2700-GD -0331	Electrochemical	24VDC
149	GAS DETECTOR (NH3)	2700-GD -0332	Electrochemical	24VDC
150	GAS DETECTOR (NH3)	2700-GD -0333	Electrochemical	24VDC
151	GAS DETECTOR (NH3)	2700-GD -0334	Electrochemical	24VDC

152	GAS DETECTOR (NH3)	3400-GD -0402	Electrochemical	24VDC
153	GAS DETECTOR (NH3)	3400-GD -0403	Electrochemical	24VDC
154	GAS DETECTOR (NH3)	3400-GD -0404	Electrochemical	24VDC
155	GAS DETECTOR (NH3)	3400-GD -0405	Electrochemical	24VDC
156	GAS DETECTOR (NH3)	3400-GD -0407	Electrochemical	24VDC
157	FIRE ALARM BEACON (RED)	1000-FAB -1A01		24VDC
158	FIRE ALARM BEACON (RED)	1000-FAB -1A02		24VDC
159	FIRE ALARM BEACON (RED)	2500-FAB -1B01		24VDC
160	FIRE ALARM BEACON (RED)	2500-FAB -1B02		24VDC
161	FIRE ALARM BEACON (RED)	2600-FAB -0201		24VDC
162	FIRE ALARM BEACON (RED)	2600-FAB -0202		24VDC
163	FIRE ALARM BEACON (RED)	2600-FAB -0203		24VDC
164	FIRE ALARM BEACON (RED)	2600-FAB -0204		24VDC
165	FIRE ALARM BEACON (RED)	2700-FAB -0301		24VDC
166	FIRE ALARM BEACON (RED)	2700-FAB -0302		24VDC
167	FIRE ALARM BEACON (RED)	2700-FAB -0303		24VDC
168	FIRE ALARM BEACON (RED)	2700-FAB -0304		24VDC
169	FIRE ALARM BEACON (RED)	3400-FAB -0401		24VDC
170	FIRE ALARM BEACON (RED)	3500-FAB -1001		24VDC
171	FIRE ALARM BEACON (RED)	3500-FAB -1002		24VDC
172	FIRE ALARM BEACON (RED)	3600-FAB -0601		24VDC
173	FIRE ALARM BEACON (RED)	3700-FAB -0901		24VDC
174	FIRE ALARM BEACON (RED)	3900-FAB -0801		24VDC
175	FIRE ALARM BEACON (RED)	3990-FAB -0701		24VDC
176	GAS ALARM BEACON (BLUE)	1000-GAB -1A01		24VDC
177	GAS ALARM BEACON (BLUE)	1000-GAB -1A03		24VDC
178	GAS ALARM BEACON (BLUE)	2500-GAB -1B01		24VDC
179	GAS ALARM BEACON (BLUE)	2500-GAB -1B03		24VDC
180	GAS ALARM BEACON (BLUE)	2600-GAB -0201		24VDC
181	GAS ALARM BEACON (BLUE)	2600-GAB -0203		24VDC
182	GAS ALARM BEACON (BLUE)	2600-GAB -0205		24VDC

183	GAS ALARM BEACON (BLUE)	2600-GAB -0207		24VDC
184	GAS ALARM BEACON (BLUE)	2700-GAB -0301		24VDC
185	GAS ALARM BEACON (BLUE)	2700-GAB -0303		24VDC
186	GAS ALARM BEACON (BLUE)	2700-GAB -0305		24VDC
187	GAS ALARM BEACON (BLUE)	2700-GAB -0307		24VDC
188	GAS ALARM BEACON (BLUE)	3400-GAB -0401		24VDC
189	GAS ALARM BEACON (BLUE)	3990-GAB -0701		24VDC
190	GAS ALARM BEACON (YELLOW)	1000-GAB -1A02		24VDC
191	GAS ALARM BEACON (YELLOW)	1000-GAB -1A04		24VDC
192	GAS ALARM BEACON (YELLOW)	2500-GAB-1B04		24VDC
193	GAS ALARM BEACON (YELLOW)	2500-GAB -1B02		24VDC
194	GAS ALARM BEACON (YELLOW)	2600-GAB -0202		24VDC
195	GAS ALARM BEACON (YELLOW)	2600-GAB -0204		24VDC
196	GAS ALARM BEACON (YELLOW)	2600-GAB -0206		24VDC
197	GAS ALARM BEACON (YELLOW)	2600-GAB -0208		24VDC
198	GAS ALARM BEACON (YELLOW)	2700-GAB -0302		24VDC
199	GAS ALARM BEACON (YELLOW)	2700-GAB -0304		24VDC
200	GAS ALARM BEACON (YELLOW)	2700-GAB -0306		24VDC
201	GAS ALARM BEACON (YELLOW)	2700-GAB -0308		24VDC
202	GAS ALARM BEACON (YELLOW)	3400-GAB -0402		24VDC
203	GAS AND FIRE ALARM HORN	1000-GFAH -1A01	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
204	GAS AND FIRE ALARM HORN	1000-GFAH -1A02	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
205	GAS AND FIRE ALARM HORN	2500-GFAH -1B01	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
206	GAS AND FIRE ALARM HORN	2500-GFAH -1B02	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
207	GAS AND FIRE ALARM HORN	2600-GFAH -0201	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
208	GAS AND FIRE ALARM HORN	2600-GFAH -0202	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC

209	GAS AND FIRE ALARM HORN	2600-GFAH -0203	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
210	GAS AND FIRE ALARM HORN	2600-GFAH -0204	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
211	GAS AND FIRE ALARM HORN	2700-GFAH -0301	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
212	GAS AND FIRE ALARM HORN	2700-GFAH -0302	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
213	GAS AND FIRE ALARM HORN	2700-GFAH -0303	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
214	GAS AND FIRE ALARM HORN	2700-GFAH -0304	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
215	GAS AND FIRE ALARM HORN	3400-GFAH -0401	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
216	GAS AND FIRE ALARM HORN	3500-GFAH -1001	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
217	GAS AND FIRE ALARM HORN	3500-GFAH -1002	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
218	GAS AND FIRE ALARM HORN	3600-GFAH -0601	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
219	GAS AND FIRE ALARM HORN	3700-GFAH -0901	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
220	GAS AND FIRE ALARM HORN	3900-GFAH -0801	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
221	GAS AND FIRE ALARM HORN	3990-GFAH -0701	Multi tone horn – 1. Fire 2. Combustible gas 3. Toxic gas	24VDC
222	FIRE FLAME DETECTOR INFRA-RED3	1000-FD -1A01	MIR3 type	24VDC
223	FIRE FLAME DETECTOR INFRA-RED3	1000-FD -1A02	MIR3 type	24VDC
224	FIRE FLAME DETECTOR INFRA-RED3	1000-FD -1A03	MIR3 type	24VDC
225	FIRE FLAME DETECTOR INFRA-RED3	2500-FD -1B01	MIR3 type	24VDC
226	FIRE FLAME DETECTOR INFRA-RED3	2500-FD -1B02	MIR3 type	24VDC
227	FIRE FLAME DETECTOR INFRA-RED3	2500-FD -1B03	MIR3 type	24VDC
228	MANUAL ALARM CALLPOINT	1000-MCP -1A01		24VDC

229	MANUAL ALARM CALLPOINT	1000-MCP -1A02	24VDC
230	MANUAL ALARM CALLPOINT	1000-MCP -1A03	24VDC
231	MANUAL ALARM CALLPOINT	1000-MCP -1A04	24VDC
232	MANUAL ALARM CALLPOINT	1000-MCP -1A05	24VDC
233	MANUAL ALARM CALLPOINT	1000-MCP -1A06	24VDC
234	MANUAL ALARM CALLPOINT	1000-MCP -1A07	24VDC
235	MANUAL ALARM CALLPOINT	1000-MCP -1A08	24VDC
236	MANUAL ALARM CALLPOINT	1000-MCP -1A09	24VDC
237	MANUAL ALARM CALLPOINT	1000-MCP -1A10	24VDC
238	MANUAL ALARM CALLPOINT	1000-MCP -1A11	24VDC
239	MANUAL ALARM CALLPOINT	1000-MCP -1A12	24VDC
240	MANUAL ALARM CALLPOINT	2500-MCP -1B01	24VDC
241	MANUAL ALARM CALLPOINT	2500-MCP -1B02	24VDC
242	MANUAL ALARM CALLPOINT	2500-MCP -1B03	24VDC
243	MANUAL ALARM CALLPOINT	2500-MCP -1B04	24VDC
244	MANUAL ALARM CALLPOINT	2500-MCP -1B05	24VDC
245	MANUAL ALARM CALLPOINT	2600-MCP -0201	24VDC
246	MANUAL ALARM CALLPOINT	2600-MCP -0202	24VDC
247	MANUAL ALARM CALLPOINT	2600-MCP -0203	24VDC
248	MANUAL ALARM CALLPOINT	2600-MCP -0204	24VDC
249	MANUAL ALARM CALLPOINT	2600-MCP -0205	24VDC
250	MANUAL ALARM CALLPOINT	2600-MCP -0206	24VDC
251	MANUAL ALARM CALLPOINT	2600-MCP -0207	24VDC
252	MANUAL ALARM CALLPOINT	2600-MCP -0208	24VDC
253	MANUAL ALARM CALLPOINT	2600-MCP -0209	24VDC
254	MANUAL ALARM CALLPOINT	2600-MCP -0210	24VDC
255	MANUAL ALARM CALLPOINT	2600-MCP -0211	24VDC
256	MANUAL ALARM CALLPOINT	2700-MCP -0301	24VDC
257	MANUAL ALARM CALLPOINT	2700-MCP -0302	24VDC
258	MANUAL ALARM CALLPOINT	2700-MCP -0303	24VDC
259	MANUAL ALARM CALLPOINT	2700-MCP -0304	24VDC

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260	MANUAL ALARM CALLPOINT	2700-MCP -0305	24VDC
261	MANUAL ALARM CALLPOINT	2700-MCP -0306	24VDC
262	MANUAL ALARM CALLPOINT	2700-MCP -0307	24VDC
263	MANUAL ALARM CALLPOINT	2700-MCP -0308	24VDC
264	MANUAL ALARM CALLPOINT	2700-MCP -0309	24VDC
265	MANUAL ALARM CALLPOINT	2700-MCP -0310	24VDC
266	MANUAL ALARM CALLPOINT	2700-MCP -0311	24VDC
267	MANUAL ALARM CALLPOINT	3400-MCP -0401	24VDC
268	MANUAL ALARM CALLPOINT	3400-MCP -0402	24VDC
269	MANUAL ALARM CALLPOINT	3400-MCP -0403	24VDC
270	MANUAL ALARM CALLPOINT	3500-MCP -1001	24VDC
271	MANUAL ALARM CALLPOINT	3500-MCP -1002	24VDC
272	MANUAL ALARM CALLPOINT	3500-MCP -1003	24VDC
273	MANUAL ALARM CALLPOINT	3500-MCP -1004	24VDC
274	MANUAL ALARM CALLPOINT	3600-MCP -1501	24VDC
275	MANUAL ALARM CALLPOINT	3600-MCP -0601	24VDC
276	MANUAL ALARM CALLPOINT	3600-MCP -0602	24VDC
277	MANUAL ALARM CALLPOINT	3600-MCP -0603	24VDC
278	MANUAL ALARM CALLPOINT	3600-MCP -0604	24VDC
279	MANUAL ALARM CALLPOINT	3700-MCP -0901	24VDC
280	MANUAL ALARM CALLPOINT	3700-MCP -0902	24VDC
281	MANUAL ALARM CALLPOINT	3900-MCP -0801	24VDC
282	MANUAL ALARM CALLPOINT	3900-MCP -0802	24VDC
283	MANUAL ALARM CALLPOINT	3900-MCP -0803	24VDC
284	MANUAL ALARM CALLPOINT	3900-MCP -0804	24VDC
285	MANUAL ALARM CALLPOINT	3900-MCP -0805	24VDC

Calibration/validation gas for (CO, CO2, H2, HC, NH3, CH2O)	1 Lot
Sacrifice sensor for CO	2nos.
Sacrifice sensor for CO2	2nos.
Sacrifice sensor for NH3	2nos.
Sacrifice sensor for CH2O	2nos.
Sacrifice sensor for H2	2nos.
Sacrifice sensor for HC	2nos.
Flame detector	1no.
Technical assistance at site (SAT) at Australia [Perdaman site], per diem rate	1 Lot
Commissioning Spare parts, As per Document 0000-ZA-E-09306	1 Lot
Project management	1 Lot
Packing for Fire and Gas devices (FOB shipping method).	1 Lot
Capital Spares (if applicable)	1 Lot
Cone viewer+laser alignment for flame detectors	2 nos.
Calibration kit (minimum includes regulator, tube, gassing adaptor, etc..)	15 nos.
Special Tools	1 Lot
Assistance at Yard (per diem rate)	
OPTIONAL COST	
Training at site for field operators and Engineer, per diem rate	1 Lot
Two years maintenance spare parts.As per Document 0000-ZA-E-09306	1 Lot