

## MANDATORY HSE & LIFTING

No	Course Name	Accreditation	Hrs
<b>API LIFTING AND DECK EQUIPMENT</b>			
1	2 Ton Electric-Hydro Knuckle & Telescopic Crane	API	8
2	API Crane Operator	API	40
3	API Rigging and Slings	API	16
4	API/LOLER Crane Operator Stage 3	API	40
5	API/LOLER Crane Operator Stages 1 & 2	API	40
6	Banksman and Slinger Stage 1	API	24
7	Banksman and Slinger Stage 3	API	7
8	Combination LOLER, API & NORSOK Rigging and Slings	API	16
9	Combo LOLER, API & NORSOK Crane Operator	API	40
10	Crane Inspection and Maintenance	API	16
11	Crane Safe Multipurpose Crane MPC	API	10
12	Critical Lift Planning	API	16
13	Knuckle Boom Crane	API	32
14	UMW Knuckle Boom Pipehandling Crane	API	24
15	Offshore Crane Operator	API	24
16	Onshore Crane Operator	API	24
17	Overhead/Gantry Crane Operator	API	10
18	Rigger Stage 1	API	24
19	Rigger Stage 3 Competency	API	8
20	Rigging Gear Inspector Level 1&2	API	16
21	Rigging, Slings & Banksman	API	16
22	Wire Rope Inspection	API	8

No	Course Name	Accreditation	Hrs
<b>LIFTING AND DECK EQUIPMENT</b>			
23	2 Ton Electric-Hydro Knuckle & Telescopic Crane	DNV-GL	8
24	Abrasive Wheels	IADC & DNV-GL	8
25	Advanced Rigging & Slings	DNV-GL	16
26	Air Winch Operator	IADC & DNV-GL	4
27	Anchor Winch Operator	IADC & DNV-GL	32
28	Automated Catwalk Lift	DNV-GL	4
29	Banksman & Slinger Stage 1	DNV-GL	17
30	Banksman & Slinger Stage 2	DNV-GL	7
31	Banksman Slinger Stage 1	DNV-GL	24
32	Banksman Slinger Stage 3	DNV-GL	7
33	Banksman-Slinger	DNV-GL	8
34	Basic Hydraulics	DNV-GL	10
35	Billy Pugh Familiarization**	DNV-GL	4
36	Competent Person Lifting Equipment	DNV-GL	16
37	Crane Inspection and Maintenance	DNV-GL	16
38	Crane Operator	DNV-GL	40
39	Crane Operator LOLER Stages 1 & 2	DNV-GL	40
40	Crane Operator LOLER Stage 3	DNV-GL	40
41	Crane Operator LOLER Stage 4	DNV-GL	40
42	Crane Safe Multi-Purpose Crane MP-15KVP	DNV-GL	10
43	Critical Lift Planning	DNV-GL	16
44	Elevated Work Platform	IADC & DNV-GL	8
45	Fassi F510RA e-Dynamic Crane**	DNV-GL	8
46	Fixed Hydraulic Crane Operator	DNV-GL	12
47	Forklift	IADC & DNV-GL	8
48	Layher Scaffolding	DNV-GL	16
49	Lifting Equipment Inspector, LOLER Level 1 & 2**	DNV-GL	24
50	Lifting Equipment Inspector, LOLER Level 3**	DNV-GL	16
51	LOLER Awareness	DNV-GL	2
52	LOLER Crane Operator Stage 1	DNV-GL	20
53	LOLER Crane Operator Stage 2	DNV-GL	20
54	LOLER Planner**	DNV-GL	16
55	LOLER Stage 3 Crane Operator Assessment	DNV-GL	8
56	Manrider	IADC & DNV-GL	4
57	Offshore Crane Operator	DNV-GL	24
58	Onshore Crane Operator	DNV-GL	4
59	Overhead/Gantry Crane Operator	DNV-GL	10
60	Palfinger Telescopic Knuckle Boom Crane with Man Riding Basket	DNV-GL	8
61	Personnel Transfer Basket (X-904)**	DNV-GL	4
62	Rigger Competence Stage 3	DNV-GL	8
63	Rigger Stage 1	DNV-GL	24
64	Rigging and Slings Awareness	DNV-GL	4
65	Rigging Awareness	IADC & DNV-GL	8
66	Rigging Gear Inspector Level 1	DNV-GL	8
67	Rigging Gear Inspector Level 1&2	DNV-GL	16
68	Rigging Gear Inspector Level 2	DNV-GL	8
69	Rigging Loft Management	DNV-GL	8
70	Safe Use of Slings	DNV-GL	8
71	Scaffolding	IADC & DNV-GL	16
72	Scaffolding Awareness	IADC & DNV-GL	8
73	Scaffolding Inspection	IADC & DNV-GL	8
74	Scaffolding Inspector Layher	DNV-GL	8
75	Scaffolding Supervisor	DNV-GL	24
76	Scaffolding Supervisor Layher	DNV-GL	16
77	UMW Knuckleboom Pipehandling Crane	DNV-GL	24
78	Wire Rope Inspection	IADC & DNV-GL	8
79	Wire Rope Socketing	DNV-GL	16



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# Offshore Oil and Gas Training



No	Course Name	Accreditation	Hrs
<b>HSE</b>			
80	Accident/Incident Investigation	DNV-GL	24
81	Advance Task Risk Assessment	DNV-GL	16
82	Advanced Breathing Apparatus Operation	DNV-GL	8
83	Asbestos Awareness	IADC & DNV-GL	4
84	Asbestos Awareness**	DNV-GL	2
85	Authorized Gas Tester Training Level 3 - Gas Monitoring for Hotwork Sites, Further Training**	DNV-GL	2
86	Authorized Gas Tester Training Level 3 - Gas Monitoring for Hotwork Sites, Initial Training**	DNV-GL	4
87	Back Safety Awareness	DNV-GL	2
88	Basic First Aid/CPR	DNV-GL	8
89	Basic Life Support	DNV-GL	4
90	Bloodborne Pathogens	DNV-GL	4
91	Breathing Apparatus Maintenance	DNV-GL	2
92	Breathing Apparatus Maintenance	DNV-GL	4
93	Breathing Apparatus Sets Awareness	IADC & DNV-GL	4
94	Category A EBS	DNV-GL	2
95	Competence Assessor	IADC & DNV-GL	16
96	CompEx Awareness**	DNV-GL	16
97	Compressed Air Refilling & Air Quality Testing	DNV-GL	4
98	Compressed Gas Cylinder Handling, Storage and Transportation	DNV-GL	4
99	Confined Space Entry	IADC & DNV-GL	8
100	Confined Space Entry and Rescue	DNV-GL	16
101	Confined Space Entry Awareness	IADC & DNV-GL	2
102	Confined Space Entry /Gas Tester	DNV-GL	16
103	Confined Space Supervisor and Rescuer	IADC & DNV-GL	24
104	Confined Space Rescue	IADC & DNV-GL	8
105	COSHH Assessor	IADC & DNV-GL	16
106	COSHH Awareness	IADC & DNV-GL	4
107	Dangerous Goods by Air Awareness	IADC & DNV-GL	4
108	Defensive Driving Awareness Course	DNV-GL	4
109	Designated First Aider	DNV-GL	24
110	DROPS Awareness	IADC & DNV-GL	4
111	Stop DROPS	DNV-GL	4
112	Drug Awareness	DNV-GL	2
113	Electrical Isolation & Lock Out Boxes A**	DNV-GL	8
114	Electrical Isolation & Lock Out Boxes B**	DNV-GL	4
115	Electrical Safe Working Procedures**	DNV-GL	4
116	Electrical Shock - Causes and Avoidance**	DNV-GL	2
117	Fall Protection	IADC & DNV-GL	16
118	Fire Watch Training	DNV-GL	4
119	Firefighting Awareness	DNV-GL	4
120	First Aid in Connection with Electrical Accidents	DNV-GL	2
121	Food Safety/Handling	DNV-GL	4
122	Gas Tester	IADC & DNV-GL	12
123	Gas Tester Operational Level 1 - Confined Spaces, Further Training**	DNV-GL	8
124	Gas Tester Operational Level 1 - Confined Spaces, Initial Training	DNV-GL	12
125	Gas Tester Operational Level 2 - Gas Testing for Hotwork, Further Training**	DNV-GL	8
126	Gas Tester Operational Level 2 - Gas Testing for Hotwork, Initial Training	DNV-GL	8
127	Hand, Power Tools & Portable Power Tools	DNV-GL	6
128	Hand and Finger Safety	DNV-GL	8
129	Hazard Awareness**	DNV-GL	2
130	Hazard Identification	DNV-GL	4
131	Hazard Recognition	IADC & DNV-GL	2
132	HAZCOM Assessor	DNV-GL	8
133	HAZMAT/HAZCOM	IADC & DNV-GL	4
134	HAZMAT HAZCOM	DNV-GL	24
135	HAZOPS FSRU**	DNV-GL	24
136	24 Hour HAZWOPER Technician	DNV-GL	24
137	Helicopter Landing Deck Party Officer	DNV-GL	8
138	Helicopter Landing Officer	IADC & DNV-GL	18
139	Helicopter Landing Officer & Helideck Emergency Response Team Leader Further Training	DNV-GL	24
140	Helideck Assistant	IADC & DNV-GL	18

No	Course Name	Accreditation	Hrs
141	Helideck Emergency Response Team Member	DNV-GL	26
142	Helideck Fire Fighting	DNV-GL	8
143	Helideck Radio Operator**	DNV-GL	24
144	Helideck Refueling	DNV-GL	4
145	HLO Helideck Emergency Response Team Leader (HERTL)	DNV-GL	26
146	Hot Work Awareness	DNV-GL	4
147	Hydrogen Sulfide (H2S) Training	IADC & DNV-GL	6
148	Incident Site Controller	DNV-GL	16
149	Industrial Hygiene Awareness	DNV-GL	2
150	Instrumentation in Hazardous Areas	DNV-GL	16
151	Internal Verifier	IADC & DNV-GL	7
152	ISO 14001 - Awareness Training	DNV-GL	8
153	Job Safety Analysis	IADC & DNV-GL	4
154	Ladder Safety	DNV-GL	4
155	Legionella Awareness	DNV-GL	4
156	Lock Out/Tag Out	IADC & DNV-GL	8
157	Lock Out/Tag Out Hazardous Energy Control	IADC & DNV-GL	4
158	Lone Worker Safety	DNV-GL	8
159	Malaria Awareness	DNV-GL	2
160	Manual Handling	IADC & DNV-GL	8
161	Marine Trash and Debris	DNV-GL	2
162	Mechanical Isolation & Philosophy Awareness (LOTO)**	DNV-GL	4
163	Mercury Awareness	DNV-GL	4
164	Noise at Work CP/Hearing Conservation	DNV-GL	4
165	Noise at Work: NEMS & Dosimetry**	DNV-GL	8
166	NORM Awareness	IADC & DNV-GL	4
167	NORM Radiation Protection Supervisor	DNV-GL	16
168	NORM/LSA	DNV-GL	4
169	Offshore Emergency Response Team Leader (OERTL)	DNV-GL	24
170	Offshore Emergency Response Team Member (OERTM)	DNV-GL	32
171	Offshore Operational Safety Coach	DNV-GL	24
172	Offshore Safety Representative	DNV-GL	32
173	OGP Hazard Awareness	DNV-GL	8
174	On-Scene Incident Commander	DNV-GL	8
175	Operational Safety Coach	DNV-GL	24
176	Operational Safety Coaching Program - Safe Leadership Development**	DNV-GL	15
177	Operational Safety Leadership for Leaders	DNV-GL	8
178	Permit to Work Awareness	IADC & DNV-GL	2
179	Personal Gas Detector Maintenance (2hr)	DNV-GL	2
180	Personal Gas Detector Maintenance (4hr)	DNV-GL	4
181	Personal Protective Equipment	DNV-GL	2
182	PPE Hand Protection**	DNV-GL	2
183	Preparation of Cargo & Slop Tank Entry**	DNV-GL	8
184	Professional & Operational Safety Coaching Program**	DNV-GL	120
185	PUWER Assessor	DNV-GL	8
186	PUWER Awareness	DNV-GL	4
187	Rescue at Heights	IADC & DNV-GL	8
188	Root Cause Analysis	DNV-GL	4
189	Safety Post Job Debriefing Skills	DNV-GL	4
190	Safety Pre-Job Briefing Skills	DNV-GL	4
191	Self-Contained Breathing Apparatus (SCBA)	IADC & DNV-GL	8
192	SEMS Awareness	DNV-GL	2
193	Slips, Trips and Falls	DNV-GL	8
194	Spill Prevention, Control and Countermeasure	IADC & DNV-GL	4
195	Stop Work Obligation	IADC & DNV-GL	1
196	Working at Heights	IADC & DNV-GL	8
197	Working at Heights Supervisor	DNV-GL	8
198	Working at Heights Operator/Inspector	DNV-GL	8
199	Working at Heights Refresher	DNV-GL	8
200	Working at Heights Refresher Rescue	DNV-GL	4
201	Working at Heights Refresher Supervisor	DNV-GL	4



## MARINE COURSES

No	RST Course Name	Accreditations	Hours
1	Comprehensive Stability	Liberia	40
2	Offshore Installation Manager	Liberia	40
3	Ballast Control Operator	Liberia	40
4	Barge Supervisor	Liberia	40
5	Designated Person Ashore	Liberia	16
6	GMDSS - General Operator	Liberia	80
7	STCW Advanced Training for Oil Tanker Cargo Operations	Liberia	40
8	STCW Tanker Familiarization	Liberia	32
9	Radar Navigation, Radar plotting & Use of ARPA	Liberia	40
10	Electronic Chart Display and Information System (ECDIS)	Liberia	40
11	Major Emergency Management, Initial Response Training	Liberia	26
12	OIM Controller Emergencies	Liberia	8
13	Control Room Operator Emergency Response	Liberia	16
14	Bridge Resource Management	Liberia	24
15	Proficiency in Fast Rescue Boats STCW	Liberia	30
16	Proficiency in Survival Craft and Rescue Boats Other than Fast Rescue Boats STCW	Liberia	30
17	Medical/Advanced First Aid STCW	Liberia	30
18	Fire Prevention and Fire Fighting BST STCW	Liberia	4
19	Elementary First Aid BST STCW	Liberia	4
20	Personal Safety and Social Responsibility BST STCW	Liberia	6
21	Personal Survival Techniques BST STCW	Liberia	6
22	Ship Security Officer/VSO STCW	Liberia	16
23	Security Awareness Training for all Seafarers	Liberia	4
24	Security Training for Seafarers with Designated Security Duties STCW	Liberia	9
25	Basic First Aid/CPR STCW	Liberia	15
26	IMDG Dangerous Goods Transportation STCW	Liberia	24
27	Marine Environmental Awareness STCW	Liberia	8
28	Incident Site Controller	DNV-GL	16
29	Maritime High Voltage Course - Management Level STCW 2010	DNV-GL	40
30	Maritime High Voltage Course - Operational Level STCW 2010	DNV-GL	8
31	Oil Spill Response Level 1: at the Operational/Staff Level	DNV-GL,	24
32	Oil Spill Response Level 2: at the Manager Level	DNV-GL,	32
33	Oil Spill Response Level 3: at the Senior Management Level**	DNV-GL,	40
34	Pollution Prevention	DNV-GL	8
35	Proficiency in Crisis Management and Human Behavior Training	DNV-GL	16
36	SOLAS Awareness	DNV-GL	4



## PRODUCTION COURSES

No	Courses from RST Global	Hours
1	Air compressors	8
2	Chemical Injection System	8
3	Computerized Maintenance Management Systems (CMMS) - Maintenance Scheduling and Planning	16
4	DCS	8
5	Disconnection/Connection of Production flowlines & risers for disconnectable turret system	8
6	Emergency Shutdown (ESD) system	4
7	Fire and Gas Detection (F&G) and ESD PSD Cause & Effects System	12
8	Firewater system, jockey pumps, water& foam deluge	8
9	FPSO familiarisation	8
10	Fresh water (FW) cooling system	4
11	Fuel Gas System	4
12	Gas Compression System	40
13	Gas Dehydration	32
14	Gas Sweetening	8
15	Gas Vent and Flare System	8
16	Heat exchangers (generic)	4
17	Heating Medium	8
18	Hot Oil/ Diesel Circulation System	8
19	Information Technology (IT) and Telecom System	8
20	Injection Water Treatment	20
21	Management of Topside Utilities	8
22	Nitrogen systems	4
23	Oil and Gas separation refresher	16
24	Oil Pumping and Metering Training	16
25	Oil Treatment (Dehydration)	24
26	Open and closed drain systems	4
27	Petroleum Gas compression refresher	16
28	Plant shutdown	8
29	Plant start-up / restart	8
30	Power Generation and distribution basics	8
31	Preparation of hydrocarbon containing equipment	8
32	Pressure Relieving Devices (PRD)	8
33	Process Flow and P&ID	16
34	Produced Water Treatment & Operations	16
35	PTW	4
36	Sea Water (SW) Cooling System	8
37	Valves (generic)	8
38	Valves, Piping and pipeline elements	8
39	Well Operation and integration with FPSO	16
40	Well Test Separator	8



### MECHANICAL COURSES

No	RST Course Name	Hours
1	P & ID	16
2	Purifiers and liquid fuel system	8
3	Conditioning monitoring	8
4	Reverse Osmosis	8
5	Refrigeration	8
6	Centrifugal Pumps	8
7	Firepumps	8
8	Safe Isolation & Reinstatement of Plant & Systems (SIRPS)	16
9	Power Tools and Appliances Integrity	8
10	Gas lift system	8
11	Pressure Relieving Devices (PRD)	8
12	Red mark-up	4
13	Utility systems operations familiarisation	8
14	Sea Water (SW) cooling system	8
15	Fresh water (FW) cooling system	4
16	Heating medium system	8
17	Fresh water generation and distribution system	8
18	Compressed air system	8
19	Hydraulic oil system (generic)	4
20	Steam generation system (boiler)	8
21	Steam generation system (steam generator)	8
22	HVAC System-Operation and Maintenance	8
23	Sewage system	4
24	Lubrication oil system (generic)	4
25	Inert gas system / Blanketing Systems	8
26	Liquid fuel system. Diesel Oil	8
27	Gas Compressors	8
28	Diesel engines (generic)	8
29	Flue gas system	8
30	Fuel gas system	8
31	Heat Exchangers-Operation and Maintenance	4
32	Pumps (generic)	8
33	Workshop equipment and machinery	4
34	Nitrogen (N2) system	4
35	Computerized Maintenance Management Systems (CMMS) - Maintenance Scheduling and Planning	16
36	Boiler feed water	8
37	Alignment	8
38	Couplings, belt drives and Gear Boxes	8
39	Air compressors-Maintenance	4
40	Main Engine & Auxiliary systems - Operation & basic maintenance	8
41	Functional Safety (Safety Instrumentation System or SIS)	8
42	Valves, Piping and Pipeline element	8
43	Fans and Blowers	4
44	Gas turbines	8
45	Mechanical seals	8
46	Filters	8
47	Hydraulic Power Unit (HPU)	8
48	Cargo Oil Pump	8
49	Boiler Control Package and Control System	8
50	Engine Room Sea Water Distribution	4
51	Fire & Gas detection System and ESD PSD C&E	12
52	FPSO familiarisation Mechanical	12
53	Pumps	8
54	Steam Generation and Distribution system	8
55	Vibration Fundamentals & Speed Measurement, Conditioning monitoring	8

### ELECTRICAL & INSTRUMENT COURSES

No	RST Course Name	Hours
1	FPSO familiarisation	8
2	Battery banks. Uninterrupted Power Supplies (UPS)	8
3	Calibration appliances integrity	4
4	Communication and Telecom Equipment	8
5	Computerized Maintenance Management Systems (CMMS) - Maintenance Scheduling and Planning	16
6	Control Systems	8
7	Corrosion Monitoring System	8
8	Current Transformers, Voltage Transformers and Control Circuits	8
9	Electric Motors	8
10	Electrical Equipment in Hazardous Areas	8
11	Electrostatic Treatment Systems	8
12	Fire detection system/Gas detection/Fire and Gas detection System, AFDS, ESD PSD C&E	12
13	Functional Safety (Safety Instrumentation System or SIS)	8
14	Grounding/ Earthing of electrical systems	8
15	Hazardous Zones and Equipment Identification	8
16	Heating Venting Air Conditioning (HVAC) System	8
17	Impressed Current Cathodic Protection (ICCP) System	8
18	Instrument and Safety Control System Isolation/Electrical Isolation	8
19	Instrument Loops	8
20	Instrumentation equipment.	16
21	Low Voltage Cables, Connectors and Terminals	8
22	Maintenance of Low Voltage Electrical Systems	8
23	Normal and Emergency Lighting	4
24	Online Analyzers	4
25	Operation of Electrical Installations (includes Breakers, switches and fuses)	8
26	Portable Electrical Appliances Integrity	4
27	Power Generation and Distribution Basics	4
28	Power Generators	8
29	Power Plant, Steam Turbine, Generators and Diesel Engine	24
30	Power Tools and Appliances Integrity	8
31	Process Flow and P&IDs - E&I	16
32	Protection Relay Systems	16
33	Switchboards and distribution systems	8
34	Transformers	8
35	VFD Training	8
36	Vibration Fundamentals & Speed Measurement, Conditioning monitoring	8
37	Vibration Measuring systems	4
38	Switchgear	8
39	Valves (Actuators, Control Valve, SD Valve)	8
40	Operational Process Safety for Offshore	16
41	General Automation and Control Systems	8

### INSTRUMENT TECHNICIAN COURSES

No	RST Course Name	Hours
1	Battery banks. Uninterrupted Power Supplies (UPS)	8
2	Calibration appliances integrity	4
3	Centralized Fire Control	4
4	Communication and Telecom Equipment	8
5	Computerized Maintenance Management Systems (CMMS) - Maintenance Scheduling and Planning	16
6	Control Systems	8
7	Current Transformers, Voltage Transformers and Control Circuits	8
8	Electric Motors	8
9	Electrostatic Treatment System	8
10	Fire detection system/Gas detection/Fire and Gas detection System, AFDS, ESD PSD C&E	12
11	Functional Safety (Safety Instrumentation System or SIS)	8
12	Grounding/ Earthing of electrical systems	8
13	Hazardous Zones and Equipment Identification	8
14	Heating Venting Air Conditioning (HVAC) system	8
15	Instrument and safety Control System Isolation/ Electrical Isolation	8
16	Instrumentation equipment	8
17	Instrumentation Test Equipment	8
18	Maintenance of Low Voltage Electrical Systems	8
19	Normal and Emergency Lighting	4
20	Online Analyzers	4
21	Operation of electrical installations	8
22	Power Plant, Steam Turbine, Generators and Diesel Engine	24
23	Power Tools and Appliances Integrity	8
24	Process Flow and P&IDs - E&I	16
25	Protection Relay Systems	16
26	Subsea Facilities	8
27	Switchboards and Distribution Systems	8
28	Transformers	8
29	Vibration Measuring systems	4
30	HV/LV Switching	16
31	HV/LV Protection Relay	16
32	Programmable Logic Controllers (PLC) and Automation Controllers (PAC).	8
33	AC Electric Drives	8
34	Industrial Controls	8
35	Flow Measurement	8
36	Level Measurement	8
37	Temperature and Pressure Measurement	8
38	Process Control & Automation	16
39	HMI Training	8
40	DCS Training	8
41	VFD Training	8



### CARGO COURSES

No	RST Course Name	Hours
1	Cargo Distribution, Stress and stability calculations	8
2	Cargo metering system	4
3	Cargo offtake operation	8
4	Cargo system / Pumproom - Centrifugal Pumps	4
5	Cargo/ slop/ ballast tank preparation to/ from maintenance	8
6	Communication and Telecom Equipment	8
7	Crude oil washing (COW) system	8
8	Equipment Greasing and Lubrication	8
9	Export tanker handling / Offtake Operations	8
10	Fire and Gas Detection (F&G) and ESD PSD Cause & Effects System	12
11	Fire Suppression Systems for Active Fire Protection	4
12	FPSO familiarisation	8
13	Helideck Radio Communications	4
14	Hydraulic oil system (valves remote control system) / Cargo Valve Maintenance & equipment preservation	4
15	Inert gas system / Blanketing Systems	8
16	Instrumentation & Process Control	8
17	Isolation & Deisolation of Process system/equipment for intervention	8
18	Lifeboat & Rescue boat operation & Maintenance	8
19	Lifting and supply vessels	8
20	Liquid fuel system. Bunkering operations	4
21	Maintenance of marine systems	8
22	Marine and cargo systems operations familiarisation	12
23	Marine Control/HMI Operation	8
24	Measurement and Sampling of Condensate and Crude Oil/	8
25	Open and Closed drain systems	4
26	Process Flow and P&ID	16
27	Pumps	8
28	Slops water /offspec production fluids/Produced water management	8
29	Supply vessel operations	4
30	Testing and Maintaining safe tank atmospheres	8
31	Valves, Piping and Pipe fitting	8

### METERING TECHNICIAN COURSES

No	RST Course Name	Hours
1	Instrumentation equipment.	16
2	Distributed Control System	8
3	Online Analyzers	4
4	Supervisory Control and Data Acquisition (SCADA) Systems	8
5	General Automation and Control Systems/ Process Control & Automation	16
6	Measuring and Testing Devices	8
7	Clamp-on Ultrasonic Flow Meter	4
8	Transmitters (Pressure, Temperature, Flow, Level)	8
9	Instrument Loops	8
10	Metering Routines and Regulation	4
11	Metering Equipment	4
12	Relay Logic Systems	8
13	Operational Process Safety for Offshore	16
14	Data Transmission, Switching and Routing	8

### CONTROL SYSTEM TECHNICIAN

No	RST Course Name	Hours
1	AC Electric Drives	8
2	Boiler Control Package and Control System	8
3	Control Overrides	6
4	Controllers	8
5	Distributed control systems	8
6	Flow Measurement	8
7	HMI Training	8
8	Instrument Loops	8
9	Industrial Controls	8
10	IT Maintenance	8
11	Level Measurement	8
12	Measuring and Testing Devices	8
13	Process Control & Automation	16
14	Programmable Logic Controllers (PLC) and Automation Controllers (PAC).	8
15	Public Address and General Alarm Systems	6
16	Radio Hardware including Repeaters	6
17	Relay Logic Systems	4
18	Supervisory Control and Data Acquisition (SCADA) Systems	8
19	Telemetrics	8
20	Temperature and Pressure Measurement	8
21	Turbine Control Systems	6
22	VFD Training (Variable frequency drive)	8
23	Vibration Fundamentals & Speed Measurement, Conditioning monitoring	8

### STOREKEEPER COURSES

No	RST Course Name	Hours
1	Import, Export and Re-export of Equipment and Goods	8
2	Intercompany Movement and Transportation of Materials (Offshore)	8
3	Rental Equipment and Tools	8
4	Material Ordering and Expediting	8
5	Supply Chain Management	8
6	Inventory Control	8
7	Material Issuing	8
8	Material Preservation and Maintenance	8
9	Material Receiving	8
10	Material Return	8
11	Routine Warehouse Activities	8
12	Scrap, Reject, Surplus and Obsolete Material	8



### INSPECTION TECHNICIAN COURSES

No	RST Course Name	Hours
1	Maintenance Fundamentals	8
2	Corrosion Control	8
3	Integrity Action Planning	8
4	Operational Process Safety for Offshore	16
5	Infrared Thermography Testing	16
6	Liquid Penetrant Testing	16
7	Magnetic Particle Testing	16
8	Radiography Testing	16
9	Ultrasonic Testing	16
10	Integrity Control	8

### OFFSHORE PLANNER

No	RST Course Name	Hours
1	Maintenance Fundamentals	8
2	Asset Integrity Management	16
3	Contractor Management and Supervision	8
4	Maintenance Department Key Performance Indicators	8
5	Maintenance Planning and Scheduling	8
6	Maintenance Planning Strategy and Administration	8
7	Operational Process Safety for Offshore	16
8	Rental Equipment and Tools	8
9	Resource Management and Integrated Planning	8
10	Turnaround Projects Management	16
11	Computerized Maintenance Management Systems (CMMS) - Maintenance Scheduling and Planning	16
12	Functional Safety (Safety Instrumentation System or SIS)	8

### LABORATORY TECHNICIAN

No	RST Course Name	Hours
1	Cleaning & Decontamination of Laboratory Equipment	8
2	Collecting Samples for Laboratory Analysis	8
3	Laboratory Analysis of Crude Oil	8
4	Laboratory Analysis of Natural Condensate	8
5	Laboratory Analysis of Natural Gas	8
6	Laboratory Analysis of Water	8
7	Laboratory Application Software	4
8	Laboratory Documentation	4
9	Laboratory Measuring & Testing Devices	6
10	Laboratory Safe Working Procedures	6
11	Laboratory Safety	8
12	Maintenance Procedures for Laboratory Equipment	8
13	Recording & Reporting of Laboratory Test Results	8
14	Management of Measuring Quality and Quantity of Condensate and Crude Oil	8