



OCC Group

30 Years of Service in
Oil & Gas Industry



Head Office

OCC Constructions LLP
9-24, Jogani Industrial Complex,
Sion Chunabhatti Road, Mumbai -400022, India
Tel : 91 22 3500 3600 E-mail : info@occgroupp.in

International Office

OCC Electromechanical Contracting LLC
Mubarak Salem Owaida Jaber Al Khaile Building,
31 Street, Al Muroor Road, Abu Dhabi, UAE
Tel : +971 564646905 E-mail : occuae@occgroupp.in

Website: occgroupp.in

ISO Certified 9001:2015, 14001:2015 & 45001:2015

About Us

Founded in 1992, **OCC CONSTRUCTIONS LLP** specialises in serving industries within the Oil & Gas Sector. Our expertise lies in Maintenance and Shutdowns of Process Plants, meticulous Project Planning, professional & timely execution of projects, procurement of Engineering products and provision of skilled Construction Manpower.

We are well recognised as **OCC** in the Middle East, we have become a significant player in the Shutdowns of Process plants. Our reputation as a reliable organisation is founded on our efficient and timely execution of Plant Turnarounds.

OCC stands on a solid foundation, guided by a well experienced and technically qualified Management and is complemented by a team of professionals in relevant fields, providing robust administrative and operational support.

With a track record of successfully executing over 100 shutdowns, we have honed our expertise in managing large Shutdowns concurrently across multiple locations. This proven capability has earned us repeat orders from a majority of the Oil & Gas Companies and contractors with whom we have collaborated.

**Shutdowns At ADNOC
Gas Processing Plants, Ruwais**



**Shutdowns At ADNOC
Refineries, Ruwais**



**Shutdowns At ADNOC
Borouge Plants, Ruwais**



Quality @ OCC

At **OCC**, we ensure the quality of work by deploying skilled and resourceful Quality personnel dedicated to ensuring leak-free plant start-ups during commissioning. We adhere rigorously to client-specific quality procedures, meticulously documenting all undertaken tasks.

Manpower @ OCC

OCC meticulously maintains an extensive and regularly updated database comprising over 20,000 skilled professionals. This database is continually refreshed to promptly address our manpower needs. We thoroughly track the performance and background of each individual. Our team of proficient and technically astute HR professionals assists in screening manpower from across India and the Middle East.

Project Management @ OCC

We possess a highly proficient team of project planning engineers, who are adept in meticulously organising projects from inception to completion & closeout. **OCC** diligently invests in the continuous training of its planning team, ensuring they are well-versed in the latest project planning software and tools. Our reports are widely appreciated by all our esteemed clients.

Safety @ OCC

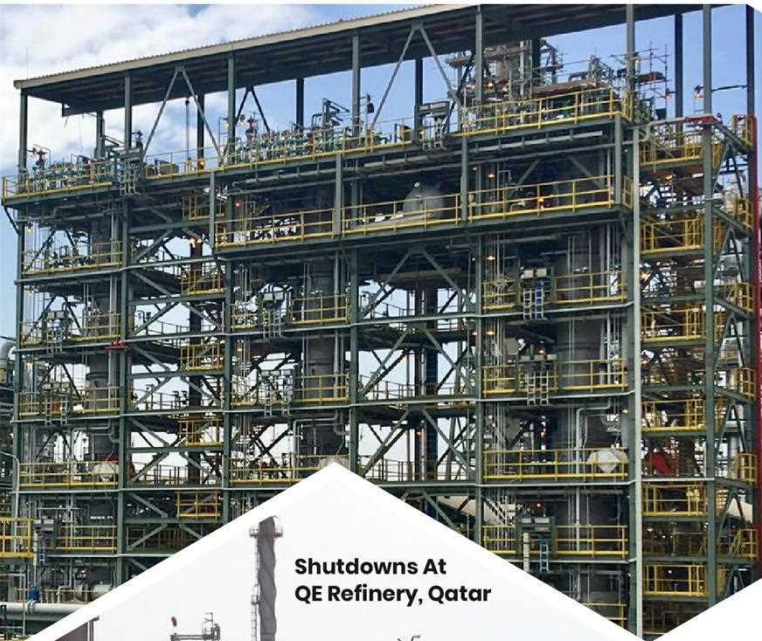
Safety is not merely a priority – it is a fundamental value that guides everything we do. Safety is integrated into every facet of our operations, from planning to execution. We not only comply with all relevant health & safety laws, regulations and industry standards, but our aim is to surpass these requirements whenever possible.

We provide regular and comprehensive safety training to all employees along with thorough risk assessments and robust controls to mitigate potential hazards within the workplace.

At **OCC**, we foster an environment of open communication regarding safety concerns. Our practices are continuously reviewed through feedback and audits, encouraging employees to report hazards and near-misses without fear of reprisal.

While it is commonly said that safety is everyone's responsibility, at **OCC** we take it upon ourselves to not only ensure our own safety but also to be accountable for the safety of those around us.

Through these stringent policies, **OCC** is steadfast in its dedication to achieving an injury-free workplace.



Shutdowns At QE Refinery, Qatar



OUR SERVICES

Shutdowns & Maintenance of Oil & Gas Plants and Offshore Stations

Overall Project Planning, Management, Material Procurement, Manpower Provision, Site Coordination & Complete Execution covering Mechanical, Electrical & Instrumentation and other related works. We have a rich background of successfully undertaking major turnarounds with prominent Oil companies in the Middle East viz. QE, ADNOC, OQ, QAFAC, RASGAS, QATAR GAS, QAPCO, QAFCO etc.

Piping & Fabrication Works in Oil & Gas Plants

All Fabrication works including Equipment Repair at Site and Workshop, Piping, Fabrication, Erection of Heavy Equipment, Supports etc. and relevant testing in accordance to the specification and applicable codes and standards for Oil and Gas Plants.

E & I & Commissioning Works at Refineries, Power & Desalination Plants

Installation Of Electrical, Instrumentation & Control Systems including Testing, Calibration & Loop Checking, Commissioning and Trial Operations. We have executed major projects in India and the Middle East with leading Companies such as QE, QSTEC, DEWA, Emirates Aluminium, Thermax, Reliance, RCF, BHEL etc.

Provision of Skilled Manpower

Sourcing, Screening & Mobilisation of skilled manpower in various Engineering and Industrial disciplines. We operate under the Recruitment License Number B-1097/MUM/PART/1000+/5/9389/2018 & have mobilised more than 50000 skilled manpower to the Middle East over the past 32 years.

Supply Of Engineering & Industrial Goods

Export of Engineering goods mainly used by Oil & Gas companies. We are regular suppliers of PPE and related material to several companies in the Middle East. Over the years we have supplied a wide range of goods viz. PPE, Tool Boxes, Pressure Gauges, Hydraulic Test Pumps, Container Spreaders, Valves, Scaffolding Material, Measuring Instruments, Industrial Chemicals etc.



Shutdowns At QE Offshore Stations, Qatar



Shutdowns At OQ Plants, Oman

CONTACT:

INDIA

K.M. Prasad
prasad@occgroun.in
+91 9930808149

INDIA

Alby Alexander
alby@occgroun.in
+91 9833105022

UAE

Aby Alexander
aby@occgroun.ae
+971 564646905

Major Mechanical Works Executed

Sr. no.	Name of Job	Type of Plant	Period	Peak Manpower	Scope of Work
1.	Ruwais Refinery Shutdown M/s ISCCO Abu Dhabi	ADNOC Refinery	2024, RRW RFCC 2022, RRE Condensate 2020, RRE HCK, HSK & GDP 2019, RRE Condensate 2016, RRE GDP	5300 222 3200 1130 1200	Maintenance & Repair of Mechanical Static Equipments, Hot Work Repairs, Bellow Replacement, Super Heater Tube Replacement & Manpower Supply.
2.	Borouge 1 & 2 Turnaround M/s ISCCO, Abu Dhabi	ADNOC Petrochemical	2023, Borouge 2 2022, Borouge 1	1700 1900	Maintenance & Repair of Mechanical Static Equipments, Hot Works & Manpower Supply
3.	QE Refinery Turnaround M/s. DOPET, Qatar (JV Partner)	Qatar Energy QE Refinery	2018, RFCC & Crude 2009, RFCC & Condensate 2009, Crude, Refinery 1 & 2 2005, Crude & RFCC 2004, Condensate Unit 2003, 2001, 1997, 1995 & 1993	3600 3300 2600 1800 550 600 Each job	Maintenance & Repair of Mechanical Static Equipments, Piping & Allied Installation, E&I Works, Civil Works, Scaffolding & Manpower Supply
4.	QE Offshore Shutdowns M/s. DOPET, Qatar (JV Partner)	Qatar Energy Offshore Works (PS2, PS3 & PS4)	2023 - PS2 & PS3 2021, 2015, 2010 - PS4 2018 - PS2 & PS3 2013, 2005 - PS2 & PS3 1999 - PS2 & 3 Top Side Upgrade 1994, 1996 - PS2 & PS3	240 1265 250 950 980 1650	Shutdown Support Works incl. Maintenance & Repair of Mechanical Static and Manpower Supply
5.	OQ Plant Shutdowns Partners & Main Contractors: M/s. Bahwan Engineering M/s. L & T Engineering M/s. STS, Oman	OQ Refinery & Additive Plants	2019 - OMC 2017, 2012 - MAF 2016 - Sohar EPCC-2 Revamp 2016 - Sohar Area 1,2 & 4 2014 - Salalah 2010 - Sohar Overall SD	465 1750 400 400 620 1500	Maintenance & Repair of Mechanical Static Equipment, Regenerator - DOME with Cyclones Replacement (L&T), Column's Trays-200 Nos. Replacement & Manpower Supply
6.	ADNOC Gas Plant Shutdowns M/s ISCCO Abu Dhabi	ADNOC NGL Plants, Ruwais & ASAB	2016, 2009 - Train 1&2 2016, 2014 - Train 3 2015 - Train SRU 59 & 45 2013 - Train 2	1300 600 120 450	Maintenance & Repair of Mechanical Static Equipments, Hot Work Repairs, & Manpower Supply
7.	RasGas Shutdowns M/s. DOPET, Qatar (JV Partner)	RASGAS Gas Plant Degassing & LNG	2008 - Train 5 2008, 2006, 2004 - Train 1 & 2 2007 - Train 3	550 1775 250	Shutdown Support Works incl. Maintenance & Repair of Mechanical Static and Manpower Supply

Major E&I Jobs Executed

Sr. no.	Name of Job	Type of Plant	Period	Peak Manpower	Scope of Work
1.	Living Quarters Up gradation at PS-2 & 3 Process Platform, QE Offshore Partners & Main Contractors:- M/s. DOPET, Qatar M/s. L&T, India	Qatar Energy E&I Works	Year 2004 - 2005	750	Complete E & I Works incl. Control Systems, Testing, Calibration & Loop Checking, Commissioning and Trial Operations.
2.	QSTEC - Polysilicon Project in RLIC, M/s. DOPET, Qatar	Polysilicon	March 2016 to Dec. 2016	1000	Complete E & I Works incl. Control Systems, Testing, Calibration & Loop Checking, Commissioning and Trial Operations.
3.	CAST House Electrical & Instrumentation Works, Dubai, M/s. DANWAY, Dubai	Aluminum Plant	Oct. 2009 to Sept. 2010	200	Complete E & I Works incl. Control Systems, Testing, Calibration & Loop Checking, Commissioning and Trial Operations.
4.	L2 Station, DEWA M/s. DANWAY, Dubai	Desalination Plant	Nov 2006 to Oct. 2008	350	Complete E&I Works incl. Control Systems, Testing, Calibration & Loop Checking, Commissioning and Trial Operations.
5.	Coker 2 Plant at Reliance Refinery, Jamnagar	Refinery	Dec 2007 to June 2009	275	Complete E&I Works incl. Control Systems, Testing, Calibration & Loop Checking, Commissioning and Trial Operations.

Vadodara Branch :

401, 4th Floor Gokuldharm Signature, Opp. Avadh Vihar,
Undera-Koyali Main Rd, Koyali, Vadodara-391330, Gujarat.
Tel: +91 9892013973
E-mail: vadodara@occgroupp.in

Cochin Branch :

401, 4th Floor, Joys Building, M.G. Road,
Padma Junction, Ernakulam - 682 035, Kerala.
Tel: 0484 6506025
E-mail: cochin@occgroupp.in

Clients, Contractors & JV Partners

✓ Our Joint Venture Partner:

Doha Petroleum Construction Company (DOPET),
PO Box 1744,
Doha, Qatar.

Registered Name: "DOPET-OCC JV"

(Joint Venture for Executing Plant Shutdowns in Qatar)

✓ List of Clients we have associated with:

Sr No.	Location	Client Name
1.	Qatar	Onshore Plants <ul style="list-style-type: none">• QE Refinery, Mesaieed• NGL 1,2,3 & 4, Mesaieed• Khatiyah, FSP & Arab D• Qatar Petrochemicals (QAPCO), Mesaieed• Qatar Fertilizers (QAFCO), Mesaieed• Qatar Fuel Additives (QAFAC), Mesaieed• Qatar Gas / Ras Gas, Ras Laffan• Qatar Chemicals (SEEF), Mesaieed• Qatar Steel Co. (QASCO), Mesaieed• Qatar Solar Technologies (QSTEC), Ras Laffan
		Offshore Plants <ul style="list-style-type: none">• PS2, PS3 & PS4 Platforms, Qatar Offshore• Halul, Qatar Offshore
2.	Abu Dhabi	<ul style="list-style-type: none">• ADNOC, BOROUGE, Abu Dhabi Polymers Co. Ltd.• ADNOC Ruwais Refinery (Takreer)• ADNOC Gas Plant ASAB• ADNOC Gas Plant, Habshan• GASCO, Ruwais• Al Shuweihat Power & Water Plant

Sr No.	Location	Client Name
3.	Dubai	<ul style="list-style-type: none"> • ENOC, Emirates National Oil Co. • EMAL, Emirates Aluminium • DEWA, Dubai Water & Electricity • Anveer Power Plant
4.	Oman	<ul style="list-style-type: none"> • OQ (ORPIC), Sohar Refinery • OQ (ORPIC), MAF Refinery • Oman Methanol Co. (OMC) • Salalah Methanol Co. (SMC)
5.	India	<ul style="list-style-type: none"> • Bharat Petroleum Corporation Ltd. (BPCL) • Rashtriya Chemical Fertilisers (RCF) • Reliance Petroleum • Chattisgarh State Electricity (CSEB) • Suratgarh Thermal Power Plant (STPC) • Punjab State Power Corporation Limited (PSPCL) • Thermax India • National Thermal Power Corporation (NTPC) • Thyssenkrupp Industries, Pune • Gujarat Power Company • TDLTPS, Panipat
6.	Kuwait	<ul style="list-style-type: none"> • EQUATE Petroleum
7.	Yemen	<ul style="list-style-type: none"> • Yemen LNG

✓ List of Contractors we have worked with:

Sr No.	Location	Main Contractors
1.	Qatar	<ul style="list-style-type: none"> • Doha Petroleum Construction Co., P O Box 1744, Doha, Qatar • Mannai Corporation QSE, Ramada Junction, P O Box 76, Doha, Qatar • Qatar Engineering & Construction Company W.L.L. (QCON), P O Box 24491, Qatar • Al Ahed Trading & Construction Co. Ltd, P O Box 3266, Doha, Qatar • AL Muftah Contracting Company L.L.C, PO Box 875, Doha – Qatar, Arabian Gulf • Hadi Hamand Al-Hamman Est., PO Box 3, Rahima 31941, Kingdom of Saudi Arabia • Galfar AL Misnad Engineering & Contracting W.L.L P.O. Box 22170, Doha, Qatar • Future Engineering Company (W.L.L.) Al Rayyan, Qatar • Black Cat Engineering & Construction W.L.L P.O. Box 12714, Doha, Qatar
2.	UAE	<ul style="list-style-type: none"> • Integrated Specialized General Contracting Co. W.L.L, PO Box: 44884, Abu Dhabi, UAE • Transfield Emdad Services, PO Box 514, Abu Dhabi, UAE • Danway Electrical & Mechanical Engineering LLC, PO Box 50048, Dubai, UAE • Specialist Services, PO Box 2752, Dubai, UAE • Lamprel Energy, PO Box 33455, Sharjah, UAE • Arabian Gulf Special Technical Services, Abu Dhabi • OIL Engineering Middle East LLC, PO Box 129226 Abu Dhabi, UAE • Dome international LLC, PO Box 24652, Dubai, UAE • Adyard Abu-Dhabi LLC, PO Box 7604, Abu-Dhabi, UAE
3.	OMAN	<ul style="list-style-type: none"> • Special Technical Services (STS) Oman, P.O. Box. 307, Postal Code 118, Muscat • Larsen & Toubro (Oman) LLC (L&T), H7HX+7H, Muscat, Oman • Bahwan Engineering Company LLC, P. O. Box 703, Ruwi – 112, Muscat
4.	INDIA	<ul style="list-style-type: none"> • Bharat Heavy Electrical Ltd., (BHEL) BHEL-EDN, PO Box 2606, Mysuru Road, Bengaluru-560 026,

General Scope Matrix – Template

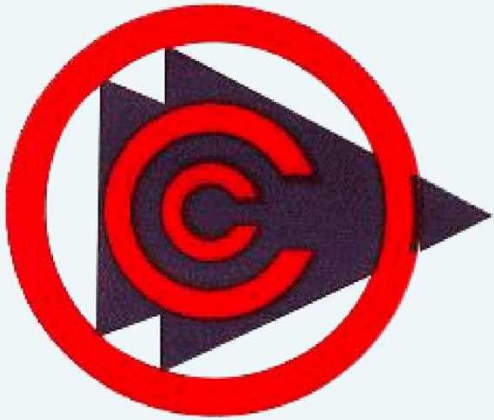
Sr No.	Description	OCC Scope	Main Contractor Scope
1.	Scaffolding works by subcontractor		✓
2.	Insulation works by subcontractor		✓
3.	Refractory works by subcontractor if any required		✓
4.	Decocking & Pigging works of pipe Line by subcontractor		✓
5.	Chemical Cleaning & Neutralization for Equipment & Piping .		✓
6.	Decontamination/ N2 Purging works by subcontractor		✓
7.	Re-tubing & Re-rolling for exchangers by subcontractor		✓
8.	In-situ Machining Services of Equipments		✓
9.	Mobilization of all OEM vendors.		✓
10.	Blasting and painting including Lining works as required by subcontractor		✓
11.	Torquing and Tensioning by Subcontractor		✓
12.	NDT & PWHT for piping jobs as required by Subcontractor		✓
13.	Overhauling & Testing of PSV, CV, Manual Valves & other instruments as required.		✓
14.	All electrical & instrument maintenance work including motors overhauling		✓
15.	Carryout all Welding Works related to Piping, Equipement Repairs, Valves Etc.		✓
16.	Decommissioning and Commissioning Manpower support	✓	
17.	Supply of all types of hoses & fittings for purging and steaming etc.		✓
18.	Shutdown and start up/Hot bolting manpower support.	✓	
19.	Carry out Hydro testing for equipment & piping works	✓	
20.	Supply of all hydro testing equipments.		✓
21.	Provide Bundle puller Machine		✓
22.	Supply Bundle puller operators	✓	
23.	Provide Hydro-jetting machines		✓
24.	Provide Hydro-jetting crew	✓	
25.	Provide all Plant & Machinery to complete shutdown works including Cranes, compressors, generators,electrical equipment,etc.		✓
26.	Supply of all Tools & Consumables required for the entire Shutdown.		✓
27.	Supply tool boxes for main scope & Client Supply as required		✓
28.	Provide all vehicles,etc with operators to complete shutdown works (forklifts, pick ups,trailers,buses,etc)		✓
29.	Develop and prepare job pack for all jobs	✓	✓
30.	Provide permit coordinators/clerks	✓	
31.	Electrical support team for general lighting work	✓	
32.	Tagging crew for all Equipment.	✓	
33.	Arrange all required trainings including Safety/Fire watch, Jettors (WJA) & Riggers Certification		✓
34.	Supply of BA sets and other safety Equipment as required		✓
35.	Supply gas monitor and H2S gas masks as required		✓
36.	Supply Coverall, safety shoes, Goggles and helmet.	✓	
37.	Supply PPE other than items covered above if required.		✓
38.	Client spares collection and maintain Stores team	✓	✓

Sr No.	Description	OCC Scope	Main Contractor Scope
39.	Arrange and maintain all lifting & rigging related equipments and its certification.		✓
40.	All materials which are not included in free issued materials from Client.		✓
41.	Supply of Vacuum Tankers/Cleaning Equipment as required.		✓
42.	Provide cycles/pick ups for movement inside site as required.		✓
43.	Camp management/Admin	✓	✓
44.	Site admin/time keeping	✓	✓
45.	Provide and maintain Site Office and Communication Facilities at site.		✓
46.	Provide Ex proof Mobiles phones/Radios for supervisory level and above as required.		✓
47.	Arrange Local transport, gate passes,etc at site.		✓
48.	Accommodation (4 persons room for work men + 3 persons room for foremen + 2 persons room for Supervisors + 1 person room for Coordinator/Engineer), messing and laundry for personnel.		✓
49.	Provide Buses for transportation of workmen from camp to site		✓
50.	Provide mini buses for transportation of staff (formen,supervisors,Qc personnel,etc) from camp to site		✓
51.	Provide Pick ups for transportation of Sr.staff (Coordinators ,engineers,etc)from camp to site		✓
52.	Provide messing Facility at site and arrangements for lunch and 2 tea breaks with snacks		✓
53.	Provide and maintain Toilet Facilities at site		✓
54.	Shifting of redundant equipment and equipment waste to client designated area	✓	
55.	Supply and manage waste bins for general waste		✓
56.	Supply House keeping crew as per requirement	✓	
57.	Arrange visas and economy class return air tickets from any city in the home country to the destination for all personnel		✓
58.	Provide Contractor Liability, Workman Compensation, General Third party Liability & Motor vehicle Third party Liability , etc insurances as per tender requirement.		✓
59.	Provide Tender Bond, Performance Bond etc as per Tender requirement		✓
60.	All Warranties & Guaranties as required for Shutdown project.		✓
61.	Cover Medical expenses for all personnel in SD Country.		✓
62.	Provide Planning Manager who has overall Planning responsibility and reports to client.		✓
63.	Provide Planning Engineers/Planning Technician reports to Sr. Planning Engineer	✓	
64.	Provide QA/QC Manager who has overall responsibility and reports to client.		✓
65.	Provide Mech QC Inspectors reports to Sr. QA/QC Inspectors	✓	
66.	Provide HSE Manager who has overall Safety responsibility and reports to client.		✓
67.	Provide Safety Officers reports to Sr. HSE Coordinator	✓	
68.	Provide Project Manager and coordinators to manage subcontractors and deal with client.		✓
69.	Provide shutdown coordinators, engineers, supervisors, foremen and workmen for mechanical works and will report to Project Manager as per Manpower list Rev.	✓	
70.	Selection of Mechanical manpower in India.	✓	
71.	Carry out Covid-19 & Pre-Medical tests in India	✓	
72.	Carry out Medical tests in SD Country as required.		✓
73.	Mobilization of personnel, immigration, etc. in India	✓	
74.	Payment of salaries,perks,etc to all OCC personnel	✓	

Typical Equipment Scope Matrix

Sr No.	Equipment Categories	OCC Scope	Main Contractor Scope
1.	Column/ Tower	Blinding, Open man ways, Remove piping spools & nozzles (where required), Install extract fan, Offer for pre cleaning inspection, Open tray manways, Internal cleaning by using water/air/scrapper/wire brush/hydro jet cleaning as required, Remove sludge/debris, Offer for post cleaning inspection, Repair/replace trays & other internals if required, Hot work Repairs if any, Install back all internals, Box up tray manways, Box up column manways with new gasket, De blinding, House keeping.	Erect external & internal scaffolding, Remove Insulation (where required), Install ladder for access, Install temporary lights, Carryout internal Coating repair works (if required), Restore insulation & remove scaffolding, Torqueing by the subcontractor,
2.	Heat Exchanger	Blinding, Remove piping spools (If required), Open Cover/inlets, Pull-out bundle (where required), Remove plates where required, Clean (bundle, Shell and cover) by hydrojetting, Cleaning of plates, Reinstall/Replace bundle with new gasket, Fix Hot works repairs (if required), back all plates, Close Cover, Leak test bundle and shell, Box up and DE blinding, House keeping,	"Erect scaffolding, Remove aluminium cladding & insulations (where required), Re tubing/ Rerolling as per inspection finding, Restore insulation and remove scaffolding, Restore/Renew Cladding (where Required), Painting touch up (where required). Torqueing by the subcontractor. Chemical Cleaning of Exchanger"
3.	Heaters / Boilers	Blinding, Open manholes, open burner assemblies, Open and clean convection section (if required), damper, explosion doors. Complete internal cleaning, hot work repairs as required, Install back all internals after inspection, Reinstall burner & internals, Close man ways, Box up man ways with new Gasket and DE blinding with new Gasket, house keeping.	Erect external & internal scaffolding, Remove scaffolding, Refractory works (if required), Torqueing by the subcontractor, Blasting & painting as required. Unloading & Loading of Catalyst/Moleslieves by subcontractor, All piping and
4.	Air Coolers	Blinding/isolate power supply, gas freeing. Open header plugs as required, as found insp'n, install drip pan, tube internal cleaning by hydrojet, Remove motors shift them to workshop, Hot work repair if any, Final insp'n, box-up header plugs, hydrotesting, de-blinding/de-isolate power supply, re-instatement works, re-commissioning, hot-bolting (if req'd).	Install all necessary scaffold, remove insulation, IRIS / ECT, retube as per IFR (if any), NDT. re-install / Restore insulation, remove scaffold.
5.	Filters	Blinding, Open man ways, Remove piping spools & nozzles (where required), Install extract fan, Offer for pre cleaning inspection, Remove clean & reinstall internals Filter Element, Remove & clean packings where requires, Power brushing of T weld joints and other weld joints as applicable, Internal Cleaning by using appropriate hand tools, Remove sludge/ debris, Offer for post cleaning inspection, Reload/replace packings after cleaning, Install back all internals after cleaning & inspection, Box up man ways with new gasket, Deblinding, House keeping. Hot work repairs if any.	"Erect external & internal scaffolding, Remove Insulation (where required), Install ladder for access, Install temporary lights, Carryout internal Coating repair works (if required), Restore insulation & remove scaffolding, Torqueing by the subcontractor. Blasting & painting as required.
6.	Flare	Blinding, Remove Flare Tip, Transport to QE Workshop, Transport New Flaretip to Site and Reinstall, Hot work repairs (if required), De-Blinding, HouseKeeping.	"Erect scaffolding, Remove scaffolding, Torqueing by the subcontractor. Repair works - Blasting & painting, refractory works (if required), House keeping, Guy Wire Inspection & Verticality check by Specilized Contractor."

Sr No.	Equipment Categories	OCC Scope	Main Contractor Scope
7.	Vessels/Drums / Fitter	Blinding, Open man ways, Remove piping spools & nozzles (where required), Install extract fan, Offer for pre cleaning inspection, Remove clean & reinstall internals demister, Remove & clean packings where requires, Power brushing of T weld joints and other weld joints as applicable, Internal Cleaning by using appropriate hand tools, Remove sludge/ clay / debris, Offer for post cleaning inspection, Hot work repairs if any., Reload/re-place packings after cleaning, Install back all internals after cleaning & inspection, Box up man ways with new gasket, Hydro test of vessel as applicable, De blinding, House keeping,	"Erect external & internal scaffolding, Remove Insulation (where required), Install ladder for access, Install temporary lights, Carryout internal Coating repair works (if required), Restore insulation & remove scaffolding, Torquing by the subcontractor . Blasting & painting as required. Rubber Lining Works by Subcontractor
8.	Tanks	Blinding, Open manways, Remove piping spools & nozzles as required, Remove pontoon covers, Install extract fan, Offer for pre cleaning inspection, Remove & record sludge & Debris, Internal cleaning of shell, nozzles & Coils, Offer for post cleaning inspection, Hot work repairs if any, Remove valves and vent system for refurbishment, Remove sacrificial anodes as required, Carryout hydrotesting of coils & roof drains , Dismantle & remove internal for cleaning, Fix back all internal including Valves, vent system & sacrificial anodes, Box up man ways with new gasket, Deblinding, House keeping,	"Erect external & internal scaffolding, Remove Insulation (where required), Install ladder for access, Install temporary lights, Carryout internal Coating repair works (if required), Restore insulation & remove scaffolding, Torquing by the subcontractor, Blasting & painting as required.
9.	Pig Launcher	Spading, Remove Connected Pipes & Strutrals if required, Remove valves if required, Open Covers & offer for Pre cleaning Inspection, Cleaning of internals if required, Hot work repairs if any., Box up after inspection clearance, De spading, House-keeping	Erect external scaffolding, Grit blasting, remove scaffolding,
10.	Electrical Relay Testing	NA	All the Works as per Scope
11.	Battery Chargers & UPS	NA	All the Works as per Scope
12.	Orifice Work	Remove connected pipe & flange, clean orifice plate, give for inspection, re connect orifice plate back to its postion, reconnect pipe.	Erect Scaffolding & remove insulation (as required), Remove scaffolding and restore insulation.
13.	Pumps / Electric Motors	Tagging, Dismantle motor, Transport it to workshop, install it back after overhauling	Erect & Remove scaffolding (if required)
14.	Manual Valves / PSV's / Control Valves	Remove valve, Install end blind, Transport to site workshop With proper tagging, Transport back to site, Reinstall valves, Pressurizing and leak testing, Retightening the bolts if needed. Hot Works as required.	"Erect Scaffolding & remove insulation (as required), Remove scaffolding and restore insulation, Torquing by the subcontractor. Overhauling/ Servicing of Valves"
15.	Level Gauges	Tagging, remove level gauges, clean, hydro-jet, hydro test, Transport it to workshop, install it back after overhauling	Erect & Remove scaffolding (if required)



Oil & Gas Plant Shutdowns

Piping & Fabrication Works

E & I Installation & Commissioning Works

Provision of Manpower

Supply Of Engineering Goods

