



OCC Group of Companies



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Introduction

OCC GROUP of companies having specific multi-discipline expertise in the field of Construction, Maintenance and Turnaround Shutdowns of Process Plants and related services caters to mainly Heavy Industries in Infrastructure and Gas & Oil Sector.

The Group companies over the years have developed strategies to execute Construction, Maintenance & Shutdown Projects using Macro & Micro Project Planning, Overall Project Management, Engineering Design & Detailed Drafting Services, Procurement and timely deployment of Engineering products, Deployment of Construction & Maintenance Equipments and Tackles & Human Resource Facilitation of all related disciplines. The Group Companies in specific disciplines and specialization are coordinated to achieve optimum overall productivity and performance in the execution of the Projects in timely completion, with premium quality and safety. While consolidating in the areas of current operation, we are proud to present us to advance our horizon to others locations and diverse areas of activities.

The flagship company OVERSEAS CONSTRUCTION COMPANY (OCC), was established in July 1992, for executing Turnaround & Plant Shutdown projects. OCC is promoted and managed by well experienced, technically qualified Director Board with administrative and operational backup of professionals in relevant fields. The aim of the company is to serve Construction & Maintenance of industries in Oil & Gas, in India and other countries chiefly in the Middle East.

The success of OCC reflects on the sound foundation on which it is built. We maintain cordial relations with the clients / main contractors and our approach have always benefited the companies with whom we have been associated. Over the years, we have grown with many repeated orders and worked for most of the main Oil & Gas Companies & reputed Contractors in middle east and gained expertise in executing projects simultaneously at multiple locations managing over 3000 manpower.

We have established a business management system and procedures on the guidelines of international standards in all our Projects.



Statement of Policy

The management of OCC GROUP believes and practice professionalism and quality in planning and management of project execution, punctuality in completion and delivery schedules & cordial relationships with clients and associate companies.

Our track record in obtaining repeat orders is the proof of these policies.

The HR policy practiced by the group administration is based on the principle “grow & earn with the company”. It also envisages core group continuity and short-term deployment from associate sources to make up short falls in project workforce.

The group maintains cordial relationships with the employees. We believe that only a satisfied and motivated staff can deliver best results.

The safety policy followed by the group companies in Health, Safety and Environment (HSE) is based on the principle that “Health, Safety & Environment vigil has no holiday and it always pays in abundance” and our projects are shining examples of the policy. We believe in avoiding health & safety hazards by imparting quality training & safety induction to our employees based on the specific risks exposed to each trade group. Environment degradation will degrade Quality of life in our universe and our prime duty is to safeguard this God blessed clean environment from deterioration & OCC GROUP is committed to this policy.

The management of "OCC" have always stood firm on the above policies and endeavor to add quality to our projects, worth to our employees and warm relationship with our clients.



Management Profile

» **Chairman : A.N Nair** has over 42 years of experience in the Industry, out of which 16 years in Middle East with one of the leading construction companies in that region in a senior executive position. The responsibilities included conducting market survey, tendering, negotiation, planning, resourcing manpower and equipments, purchasing, execution, liaising with clients, consultants, contractors and suppliers for timely completion of various projects. During the tenure, he has enjoyed tremendous client confidence and warm relationship with all concerned. Promoted and developed Overseas Construction Company from 1992 onwards which now evolved as OCC GROUP with multi-disciplined and multi-functional associate companies. He was instrumental in the diversification of OCC GROUP companies.

» **Managing Director : K. P. ALEXANDER** has over 40 years of experience in the field of Fabrication, Construction, Maintenance and Turnarounds and worked with Industry majors like Geovanola Binny Ltd, L&T (ECC) in India and 16 years in the Middle East with Mannai Corporation (MIDEAST CONSTRUCTORS) and developed their welding & Quality Control Division to one of the best in the region. From 1986, he was heading one of the medium sized construction companies in India based in Bombay and he was responsible for the overall development and diversification of that company. Promoted and developed Overseas Construction Company which has grown in stature and earned a respectable name in the field. Under his leadership the company has executed many Indian and Overseas Projects in construction, maintenance, shutdowns and skilled manpower supply contracts and now a umbrella group called OCC GROUP with specialised expertise in various disciplines. He is in constant touch with the industry in India and abroad through continuous personalized involvement in running projects and enjoys tremendous Client & employee's confidence.

» **General Manager: KM PRASAD** has 25 years of industry experience in EPIC, Construction and Shutdown Projects, out of which 13 years worked in Middle East for oil & gas industry projects and 12 years worked for Steel, Cement, Copper and Petrochemical projects in India. During the Middle East employment worked for leading construction companies in a senior management position. The responsibilities include tendering, negotiation, planning, resourcing manpower and equipments, purchasing, execution, liaising with clients, consultants, subcontractors and suppliers for timely completion of various projects. Managed all projects to the complete satisfaction of Clients and Companies worked. Ensured all projects are successfully completed on time with commitment to quality, safety, with in budgets and good margins. Maintained professional approach to all phases of execution by effective planning, cost controlling and monitoring. Motivated all personnel and subcontractors by leading from the front and using a hands-on approach.

» **Country Manager - QATAR: V MURUGESAN** has over 32 years of experience spanning variety of managerial and engineering positions within the oil and gas industry. He is a degree qualified engineer, experienced in construction, maintenance and shutdown management covering both upstream and downstream oil and gas facilities. He has executed more than 38 shutdown in Qatar, which include 12 major shutdowns for Qatar Petroleum, Ras Gas and many others.

» **Division Manager, HR & Admin : P. VENKITESWARAN** has put in over 38 years of experience in the field and grown with the industry in many organizations he has served. He has worked in Middle East and on return to India was heading Administration of a medium sized construction company. He is well versed in immigration, passport and visa formalities and executed many time bound manpower deployment contracts within short mobilization period. He is now managing the administration and allied activities of OCC group of companies.

» **Division Manager, Exports & Accounts : DIVAKARAN G.N** is a graduate software specialist, associated with the company from the inception of the group. He is now heading the Accounts and Exports Division of OCC GROUP and successfully executed many time bound and critical export projects. He was also instrumental to direct and manage administration, Mobilisation and Demobilisation, Payroll and Accounts of many Turnaround Projects with 2500 plus manpower. He now controls OCC Groups Accounts and implementation of all Software Applications and Export activities.

» **Group Coordinator: ALBY ALEXANDER** is the coordinator of OCC Group of Companies. A Mechanical graduate was trained in planning and execution of Projects in the Middle East. He has successfully completed many critical offshore projects has project coordinator and received appreciation. Joined OCC GROUP from 2005 onwards, and was instrumental in the overall planning, Mobilisation, execution directing multi-disciplined sub-contractors, management, supervision, smooth workforce demobilisation and close out of many substantially large turnaround projects. He is young, resourceful, enjoys client and employ confidence.

» **Country Coordinator - UAE: KENU SKARIA** has experience in personnel administration and has been associated with the group in the same capacity in the overseas projects. He is well versed in the HRD policies and is now heading the personnel administration of the UAE branch.



OCC Group Capability (Birds Eye-view of Services)

Turnaround and Shutdown Projects

- » Turnaround Maintenance of Refineries including all Stationery and Rotating Equipment, Valves, Instruments, etc
- » Turnaround Maintenance of Process Gas Plants, NGL Plants, etc.
- » Turnaround Maintenance of Fertilizer Plants.
- » Turnaround Maintenance of Petrochemical Plants.
- » Turnaround Maintenance of Offshore Platforms and Production Stations.
- » Turnaround Maintenance of Oil and Gas Storage Tanks and Loading Facilities.

Oil and Gas Mechanical Construction Projects

Electrical and Instrumentation Projects

- » Construction and Commissioning of Desalination Plants.
- » Construction and Commissioning of Power Projects.
- » Construction and Commissioning of Aluminum Plants.
- » Oil and Gas Construction Projects.
- » Oil and Gas Maintenance Support Services.

Export Services

- » Engineering Tools and Equipments
- » Personal Protective Equipments (PPE)
- » Fabrication Consumables
- » Hand Tools
- » Vessels

Engineering Design and Drafting

- » Detail drafting works.
- » Preparation of planning packages in P3 / P6.
- » Preparation of basic estimates for Oil and Gas tenders.

Manpower Supply

We supply following trade of persons for Mechanical, Electrical & Instrumentation Shutdown, Construction and Commissioning Projects

- » Project Engineers/Shutdown Engineers
- » Planning Engineers
- » Supervisors / Foreman / Charge-hands of all disciplines
- » QA / QC Supervisors
- » Riggers
- » Welders
- » Electricians
- » Instrument Technicians
- » Valve Technicians
- » Rotary Technicians
- » Semiskilled assistant Mechanics



Group Divisions Activities



Overseas Construction Company (OCC) (Projects & Turnaround Division)

This Division is specialised in undertaking Turnarounds & Plant Shutdowns covering overall project planning, material procurement, manpower mobilisation, site coordination and complete execution of all Mechanical, Electrical, Instrumentation and related works.

The company has rich experience in successful execution of over 64 TA/Shutdowns in India and Middle East using direct manpower for Mechanical, Electrical & Instrumentation works and subcontractors for disciplines like Scaffolding, Refractory, Insulation, Blasting & Painting, Valve overhauling, civil works etc.

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OCC Offshore Projects (India) Pvt. Ltd. (OPL) (Electrical & Instrumentation Division)

This group company was established in the year 2000 primarily to focus on the E&I Process Plant construction Industry in India and overseas at offshore and onshore locations.

The group, managed by technocrats with proven managerial and technical capabilities, has successfully executed several large E&I Projects in Middle East & India with clients like L&T, QP, SNAMPROGETTI, BHEL, RIL, NTPC & RCF.



OCC International LLC (UAE)

This is a group Company established under U.A.E license no. 576061 established in the year 2002 primarily to focus on the UAE market. Over the years, this division has executed several construction projects for major contractors viz. M/s. Danway Electro Mechanical and has worked in projects of DEWA, Emirates Aluminum (EMAL), Shuweihat Power etc. The division has also recently successfully executed a major shutdown at GASCO. The division has also assisted M/s. OIL Me, an Abu Dhabi based Company, from its inception, by deputing to them highly skilled mechanical manpower for their in-house fabrication facilities.

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OCC Infotech & Design Services Pvt. Ltd. (Design & Drafting Division)

This division caters to overseas clients by providing design services viz. detail drafting, ASME Pressure vessel designs, Offshore Structures, shop fabrication drawings etc. The division also provides project estimation, planning / scheduling services & basic estimates for major tenders, Quantity Surveys etc.

Considering today's competitive market it is always of beneficial for overseas companies to outsource these activities from India.

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Group Divisions Activities



OCC Exports India Pvt. Ltd. (Export Division)

A Group Company supplying Engineering, Industrial & Safety products to various Companies mainly in the Middle East. This division operates under the license 397069782 issued by The Directorate General of Foreign Trade, Govt. Of India.

The main products already supplied, include Engineering goods such as fabrication industry consumables, all kinds of PPE, Grinding Machine & accessories, Construction Tools, Machinery etc. The division also assists in sourcing specific Engineering products from reputed manufactures in India as per client requirements.

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Overseas Construction Company Manpower Sourcing & Allied Services

This division is specialised in sourcing & selecting manpower in various disciplines for reputable Companies around the globe. The division operates under the recruitment license 01987/BOM/PART/1000+/3/3425/92 issued by the Govt. Of India, Department of Labour. This division has so far successfully deployed over 15000 quality personnel to diverse clients around the world. A few trades include Management Personnel, Engineers, Supervisors, HSE & QA/QC personnel, Admin. & HR personnel, skilled technicians & workmen. This division also caters to the entire OCC Group & has successfully mobilized personnel for all their shutdowns & projects in India and overseas.

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List of Major Electrical & Instrumentation Projects

##	Name of Job	Type of Plant	Period	Approx. Mobilized Manpower
(1)	QSTec - Polysilicon Project in RLIC, with main contractor Doha Petroleum Company (DOPET)	Polysilicon	March 2016 – Dec 2016	750 Electrical & Instrumentation Personnel
(2)	CAST House Electrical & Instrumentation Works, Dubai, With main contractor DANWAY Electrical& Mechanical Engineering LLC,Dubai,UAE	Aluminum Plant	October 2009 - September 2010	150 Electrical & Instrumentation Personnel
(3)	Instrumentation Works for Power Station, Fujairah With main contractor DANWAY Electrical& Mechanical Engineering LLC,Dubai,UAE	Power Plant	October 2009 - September 2010	140 Electrical & Instrumentation Personnel
(4)	Complete installation of I & C System at L2 Station of Dubai Electricity & Water Authority, Desalination Plant With main contractor DANWAY Electrical& Mechanical Engineering LLC,Dubai,UAE	Desalination Plant	November 2006 - October 2008	350 Electrical & Instrumentation Personnel
(5)	Instrumentation Works at Coker – 2 Plant at Reliance Refinery, Jamnagar, India Main Contractor OCC Offshore Projects(India)Pvt,Ltd	Refinery	December 2007 - June 2009	275 Electrical & Instrumentation Personnel
(6)	Complete erection, testing, commissioning, trial operation and handing over of C&I Equipments at 2 x 250 MW Units (STAGE-II, UNIT 3 & 4), Punjab State Electricity, Bhatinda , India With main contractor BHEL, India	Thermal Power Plant	Sep-06	250 Electrical & Instrumentation Personnel
(7)	Co-ordination, Supervision and Supply of Skilled Inst. Personnel for Commissioning Assistance for PS-1, Process Platform with main contractor Doha Petroleum Company (DOPET)	Offshore Process Platform	March 2003 - December 2008	45 Commissioning Engineers & Technicians
(8)	Co-ordination, Supervision and Commissioning Assistance of C & I System for QP for their NGL-4 Plants at MESAIEED and DUKHAN ARAB D Units, with main contractor Doha Petroleum Company (DOPET)	Refinery	March 2002 - August 2005	120 Commissioning Engineers & Technicians
(9)	Supply, Erection and Testing of Instrumentation works for VAHP unit of RCF Methanol Plant, INDIA Main Contractor OCC Offshore Projects(India)Pvt, Ltd	Fertilizer	September - October - 2000	75 Electrical & Instrumentation Personnel
(10)	Erection and Testing of Power cables for Ammonia-V of RCF Plant, INDIA. Main Contractor OCC Offshore Projects(India) Pvt, Ltd	Fertilizer	May 2002 – June 2002	75 Electrical & Instrumentation Personnel
(11)	C & I of 250 MW Unit-III & IV Thermal Power Station of Rajasthan State Electricity Board at Suratgarh, INDIA. With main contractor BHEL, India	Thermal Power Plant	April 2001 - September 2002	400 Electrical & Instrumentation Personnel
(12)	Revamping of E & I works of Stacker & Reclaimer & Conveyor System of Material Handling Unit of 2 X 125 MW Lignite Power Plant of Gujarat Power Co, INDIA. Main Contractor OCC Offshore Projects(India) Pvt, Ltd	Thermal Power Plant	November 2001 - June 2002	50 Electrical & Instrumentation Personnel
(13)	Complete installation of Instrumentation and Control System at Shuweiha Complex S1, Desalination Plant, Abu Dhabi, With main contractor DANWAY Electrical& Mechanical Engineering LLC,Dubai,UAE	Desalination Plant	March 2003 - May 2004	250 Electrical & Instrumentation Personnel
(14)	Revamping, Installation and commissioning of C&I system of Unit-VI & V of Chathisgarh State Electricity Board power Plant at Korba east, INDIA	Thermal Power Plant	January 2003 - December 2005	250 Electrical & Instrumentation Personnel



List of Major Electrical & Instrumentation Projects

##	Name of Job	Type of Plant	Period	Approx. Mobilized Manpower
(15)	Controls & Instrumentation of 250 MW Unit-VII & VIII Thermal Power Station of TDLTPS at Panipath, INDIA, With main contractor BHEL, India	Thermal Power Plant	March 2004 - April 2005	300 Electrical & Instrumentation Personnel
(16)	Complete installation of I & C System at L1 Station of Dubai Electricity & Water Authority (DEWA), Desalination Plant, Jabel Ali, Dubai, UAE, main contractor DANWAY Electrical& Mechanical Engineering LLC,Dubai,UAE	Desalination Plant	September 2004 - November 2005	275 Electrical & Instrumentation Personnel
(17)	Instrumentation and Control System works at Aweer Power Plant on Manpower basis, Jabel Ali, Dubai, UAE, main contractor DANWAY Electrical& Mechanical Engineering LLC,Dubai,UAE	Thermal Power Plant	April 2006 - September 2006	250 Electrical & Instrumentation Personnel



List of Major Mechanical Turnaround Shutdowns

S.No	Name of Job	Client	Type of Plant	Period	Approx. Mobilized Manpower
1	Oman Methanol Company Turnaround 2019 with M/s. Bahwan Engineering Company, Oman	OMC	Petro Chemical Plant	Mar -2019 (Awarded)	465 S/D Personnel (Mechanical Static Equipment's)
2	ADNOC Refinery Turnaround 2019 with M/s. ISCCO , Abu Dhabi	ADNOC	Refinery	Jan – Apr 2019 (On Going)	1130 S/D Personnel (Mechanical Static Equipment's , Piping and Installation)
3	Maintenance support services for PS2 & PS3 Offshore Shutdowns 2018 with M/s. Doha Petroleum Construction Company (DOPET), Qatar	Qatar Petroleum	Offshore Platform	Feb – Apr 2018	250 S/D Personnel (Mechanical Static Equipment's)
4	Qatar Petroleum RFCC & Crude Refinery Shutdown 2018 with M/s. Doha Petroleum Construction Company (DOPET), Qatar	Qatar Petroleum	Refinery	Jan-Mar 2018	3600 S/D Personnel (Mechanical Static Equipment's , Piping and Installation)
5	ORPIC MAF Refinery Shutdown 2017 With M/s. Special Technical Services (STS), Oman	ORPIC	Refinery	Oct- Nov 2017	770 S/D Personnel (Mechanical Static Equipment's)
6	Equate EG-1 & ASP Shutdown 2016 at Kuwait With M/s. Special Technical Services (STS), Oman	EQUATE	Petro Chemical Plant	Dec-16	450 S/D Personnel (Mechanical Static Equipment's)
7	Shutdown of GASCO Train 1&2 NGL Plant - Ruwais 2016 with M/s. Integrated Specialized Gen. Cont. Co. W.L.L (ISSCO), Abu-Dhabi	Abu Dhabi Gas Industries Limited (GASCO)	Natural Gas Liquids	Apr-16	450 S/D Personnel (Mechanical Static Equipment's)
8	Shutdown of GASCO Train 3 NGL Plant - Ruwais 2016with M/s. Integrated Specialized Gen. Cont. Co. W.L.L (ISSCO), Abu-Dhabi	Abu Dhabi Gas Industries Limited (GASCO)	Natural Gas Liquids	Mar-16	450 S/D Personnel (Mechanical Static Equipment's)
9	Takreer Refinery Static Equipment Turnaround 2016. Green Diesel Plant (GDP) With Qatar Engineering & Construction Co. WLL (Q CON), Abu-Dhabi	Takreer Refinery	Refinery	February 2016 - April 2016	1130 S/D Personnel's (Mechanical Static Equipment's)
10	Mechanical Works & Tray Installation for EPCC-2, CDU, LPG, AMINE, LPG MEROX & PRU Revamp Works during ORPIC Major Shutdown 2016 with M/s L&T Heavy Engineering, Oman	Oman Oil Refineries and Petroleum Industries Company (ORPIC)	Refinery	February 2016 - April 2016	400 S/D Personnel (Mechanical Manpower, Piping and Installation)
11	Static Equipment Turnaround 2016, Sohar Refinery. (Area 1,2 & 4) with M/s. Special Technical Services (STS), Oman	Oman Oil Refineries and Petroleum Industries Company (ORPIC)	Refinery	February 2016 - April 2016	400 S/D Personnel (Mechanical Manpower)
12	GASCO Train -SRU 59 & 45 Units Ruwais, Shutdown 2015. M/s. Integrated Specialized Gen. Cont. Co. W.L.L (ISSCO), Abu-Dhabi	Abu Dhabi Gas Industries Limited (GASCO)	Natural Gas Liquids	November 2015 - December 2015	120 S/D Personnel (Mechanical Static Equipment's, Rotating)
13	Qatar Petrochemical Company (QAPCO) Qatafin & LDPE-2 Plants Shutdown and Maintenance with JV contractor Doha Petroleum Company (DOPET)	Qatar Petrochemical Company	Petrol Chemical Plant	Feb 2015 - March 2015	200 Shutdown Personnel's (Static Equipment's)

##	Name of Job	Client	Type of Plant	Period	Approx. Mobilized Manpower
14	March – April 2015, Maintenance Support Services for Shutdown at North Field Alpha, PS4 Platform Qatar (Repeat Order From Year 2005) with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum P4 OFFSHORE Platform	Offshore Platform	April 2015 - May 2015	350 Shutdown Personnel (Mechanical, Piping, Electrical & Instrumentation Manpower)
15	Feb - March 2015 QAPCO Plant Turnaround Maintenance at Qatar with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum QAPCO	Petrochemical Plant	January 2015 - March 2015	280 S/D Personnel (Mechanical, E&I Manpower)
16	May 2014 Emergency Shutdown for Flare Tip change out and Miscellaneous Jobs at GAS Recycling Plant (Qatar Petroleum – Dukhan) with JV Contractor M/s. Doha Petroleum Company (DOPET)	Qatar Petroleum Dukhan Fields	Degassing Plant	May 2014 (7 Day shutdown)	30 Shutdown Personnel (Mechanical Manpower)
17	April 2014 Salalah Methanol Plant (SMC) Turnaround Maintenance in association with M/s. Special Technical Services, (STS), Oman	Salalah Methanol Plant, Oman	Methanol Plant	April 2014	620 Shutdown Personnel (Mechanical, Piping, Electrical & Instrumentation Manpower)
18	March 2014 GASCO Train -3 Shutdown, Glass Flake Lining Repair of Cooling Water Line in association with M/s. Integrated Specialized Gen. Cont. Co. W.L.L (ISSCO), Abu-Dhabi	GASCO, Train -3 Ruwais	Natural Gas Liquids	March 2014	70 Shutdown Personnel (Mechanical & Piping Manpower)
19	March 2014 Turnaround Maintenance works at NGL1, Mesaieed, Qatar with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum NGL 1	Natural Gas Liquids	March 2014 & April 2014	800 S/D Personnel (Mechanical, E&I Manpower)
20	Feb - March 2014 QAPCO Plant Turnaround Maintenance at Qatar with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum QAPCO	Petrochemical Plant	Feb 2014 & March 2014	950 S/D Personnel (Mechanical, E&I Manpower)
21	June 2013 Qatar Petroleum Offshore Platform P2 Turnaround Maintenance works with JV Contractor Doha Petroleum Company (DOPET)	Qatar Petroleum P2 OFFSHORE Platform	Offshore Process Platform	May 2013 & June 2013	300 S/D Personnel (Mechanical, E&I Manpower)
22	May 2013 Qatar Petroleum Offshore Platform P3 Turnaround Maintenance works with JV Contractor Doha Petroleum Company (DOPET)	Qatar Petroleum P3 OFFSHORE Platform	Offshore Process Platform	April 2013 & May 2013	300 S/D Personnel (Mechanical, E&I Manpower)
23	ORPIC Aromatic Unit Turnaround Maintenance works with main contractor Special Technical Services, (STS) Oman	Oman Refineries and Petroleum Industries Company	Aromatic	March 2013 & April 2013	110 S/D Personnel (Mechanical, E&I Manpower)
24	ORPIC Polypropylene Unit Turnaround Maintenance works with main contractor Special Technical Services,(STS) Oman	Oman Refineries and Petroleum Industries Company	Polypropylene	March 2013 & April 2013	110 S/D Personnel (Mechanical, E&I Manpower)
25	March 2013 Turnaround Maintenance works at NGL2, Mesaieed, Qatar with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum NGL 2	Natural Gas Liquids	March 2013 & April 2013	1050 S/D Personnel (Mechanical, E&I Manpower)
26	GASCO Train -2, Ruwais, Shutdown with main contractor Integrated Specialized Gen. Cont. Co. W.L.L (ISSCO), Abu-Dhabi	GASCO, Train -2 Ruwais	Natural Gas Liquids	February 2013 & March 2013	450 S/D Personnel (Mechanical, E&I Manpower)
27	Mina Al Fahail Refinery (a Oman Refineries and Petrochemicals Company) turnaround with main contractor Special Technical Services, Oman	Oman Refineries and Petroleum Industries Company	Refinery	March 2012 & April 2012	980 S/D Personnel (Mechanical, E&I Manpower)

##	Name of Job	Client	Type of Plant	Period	Approx. Mobilized Manpower
28	2012 Turnaround Maintenance work at NGL4, Mesaieed, Qatar with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum NGL 4	Natural Gas Liquids	February 2012 & April 2012	1050 S/D Personnel (Mechanical, E&I Manpower)
29	ENOC Processing Company LLC.,T&I with main contractor Adyard-Topaz, Abu-Dhabi.	ENOC Processing Company LLC	Petro Chemical Plant	October 2011 & December 2011	630 S/D Personnel (Mechanical, E&I Manpower)
30	Turnaround Shutdown for QAFCO in Ammonia - 2 and Urea - 2 Plants with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum, QAFCO	Fertilizer Plant	February 2011 & March 2011	150 S/D Personnel (Mechanical, E&I Manpower)
31	Turnaround Maintenance work of Fahahil North Gas Lift Compressor Station in Dukhan, Qatar with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum, Dukhan	Degassing Plant	September 2010 & November 2010	300 S/D Personnel (Mechanical, E&I Manpower)
32	Maintenance Support Services for Shutdown at North Field Alpha, PS4 Platform Qatar (Repeat Order From Year 2005) with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum P4 OFFSHORE Platform	Offshore Process Platform	April 2010 & May 2010	650 S/D Personnel (Mechanical, E&I Manpower)
33	Static Equipment Turnaround 2010, Sohar Refinery with main contractor Special Technical Services, (STS) Oman	Oman Refineries and Petroleum Industries Company	Refinery	February 2010 & March 2010	1500 S/D Personnel (Mechanical Manpower)
34	Turnaround Shutdown for Maintenance Works at QP Refinery – RFCC & Condensate Refinery Utilities, Mesaieed, Qatar (Repeat Order From Year 2001 Onwards) with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum Condensate & RFCC	Refinery	October 2009 & December 2009	3300 S/D Personnel (Total Manpower incl. Mechanical, E&I, Civil, Piping, Scaffolding etc)
35	Turnaround Shutdown for Maintenance Works at QP Refinery - Crude, Refinery 1 & 2 & Utilities (Repeat Order From Year 1993 Onwards) with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum, Refinery	Refinery	March 2009 & May 2009	2600 S/D Personnel (Total Manpower incl. Mechanical, E&I, Civil, Piping, Scaffolding etc)
36	GASCO Plant Shutdown, Ruwais & Asab - Abudhabi, UAE with main contractor Transfield Abu-Dhabi	GASCO Ruwais & Asab	Gas Plant	January 2009 & February 2009	850 S/D Personnel (Mechanical Manpower)
37	Train 5 Plant Shutdown, RASGAS Shutdown Support Contract with JV contractor Doha Petroleum Company (DOPET)	RASGAS	Degassing Plant	May 2008 & June 2008	550 S/D Personnel (Mechanical, E&I Manpower)
38	Train 1 & 2 & GTG RASGAS Plant Shutdown Support Contract with JV contractor Doha Petroleum Company (DOPET)	RASGAS	Degassing Plant	April 2008 & June 2008	550 S/D Personnel (Mechanical, E&I Manpower)
39	Shutdown Maintenance Works at Arab-D Plant, Dukhan Fields with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum Dukhan	Degassing Plant	March-08	1300 S/D Personnel(Total Manpower incl. Mechanical, E&I, Civil, Piping, Scaffolding etc)

##	Name of Job		Type of Plant	Period	Approx. Mobilized Manpower
40	AKG-1 Plant Shutdown(AI Khaleej Plant), RasGas, Ras Laffan, Qatar with JV contractor Doha Petroleum Company (DOPET)	RASGAS	LNG Plant	February 2008	950 S/D Personnel (Total Manpower incl. Mechanical, E&I, Piping, Scaffolding etc)
41	Support Services for QAFCO Plant Shutdown with JV contractor Doha Petroleum Company (DOPET)	Qatar Fertilizer	Fertilizer Plant	November -07	325 S/D Personnel (Mechanical Manpower)
42	RASGAS Train 3 Shutdown with JV contractor Doha Petroleum Company (DOPET)	RASGAS	LNG Plant	June 2007 & July 2007	250 S/D Personnel (Mechanical, E&I Manpower)
43	Shutdown Maintenance Works at QAPCO Plant, Qatar with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum	Petrochemical Plant	January 2007 & March 2007	325 S/D Personnel (Mechanical Manpower) Main Contractor (Mechanical Work Support Services)
44	RASGAS Train 1 & 2 Shutdown with JV contractor Doha Petroleum Company (DOPET)	RASGAS	LNG Plant	June 2006 & July 2006	725 S/D Personnel (Total Manpower incl. Mechanical, E&I, Piping, Scaffolding etc)
45	Shutdown Work at Fahahil North Gas Lift compressor Station and TEG Units at KN, KS, FM and JM in Dukhan Fields, Qatar with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum	Degassing Plant	April 2006 & June 2006	1400 S/D Personnel (Total Manpower incl. Mechanical, E&I, Piping, Scaffolding etc)
46	Shutdown Works at Fahahil Stripping Plant, Qatar with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum	Degassing Plant	April 2006 & June 2006	1200 S/D Personnel (Total Manpower incl. Mechanical, E&I, Piping, Scaffolding etc)
47	Maintenance Support Services for Shutdown at North Field Alpha, PS4 Platform Qatar with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum OFFSHORE PLATFORM	Offshore Process	December 2005 & January 2006	650 S/D Personnel (Mechanical, E&I Manpower)
48	Shutdown Works at Fahahil North Field Gas Re Injection Station, Dukhan Fields, Qatar with JV contractor Doha Petroleum Company (DOPET)	Qatar Petroleum	Degassing Plant	November 2005 & December 2005	1100 S/D Personnel (Total Manpower incl. Mechanical, E&I, Piping, Scaffolding etc)
49	Turnaround Shutdown for Maintenance Works at QP Refinery - Crude, Refinery, RFCC, & Utilities with main contractor Doha Petroleum Company (DOPET)	Qatar Petroleum	Refinery	March 2005 & August 2005	1800 S/D Personnel (Mechanical, E&I Manpower)
50	Living Quarters Up gradation PS-2 & 3 Process Platform at Qatar offshore with main contractor Doha Petroleum Company (DOPET)	Qatar Petroleum OFFSHORE PLATFORM	Offshore Platform (Electrical Works)	October 2004 & August 2005	750 S/D Personnel (Electrical, Instrumentation and Mechanical Manpower)
51	RasGas Train 1 & 2 Shutdown , Ras Laffan ,Qatar with main contractor Doha Petroleum Company (DOPET)	RASGAS	LNG Plant	June 2004 & July 2004	500 S/D Personnel (Mechanical, E&I Manpower)

##	Name of Job		Type of Plant	Period	Approx. Mobilized Manpower
52	Maintenance Works at QP Refinery (Condensate Unit) with main contractor Al-Muftah Contracting Company, Qatar	Qatar Petroleum	Refinery	May 2004 & June 2004	550 S/D Personnel (Mechanical, E&I Manpower)
53	QAFAC Plant Shutdown Works with main contractor Al-Muftah Contracting Company, Qatar	Qatar Fuel Additives Company Limited	Fuel Additives Plant	Dec-04	300 S/D Personnel (Mechanical, E&I Manpower)
54	FCC Unit Shutdown in QP Refinery at Doha, Qatar with main contractor Al-Muftah Contracting Company, Qatar	Qatar Petroleum	Refinery	Aug-03	110 S/D Personnel (Mechanical, E&I Manpower)
55	Plant Maintenance Shutdown Works at NGL Plant-2 with main contractor Al-Muftah Contracting Company, Qatar	Qatar Petroleum OFFSHORE PLATFORM	NGL Plant	May 2003 & June 2003	650 S/D Personnel (Mechanical, E&I Manpower)
56	Shutdown Works at Khatiyah M, N & S in Dukhan Fields with main contractor Al-Muftah Contracting Company, Qatar	Qatar Petroleum	Degassing Plant	April 2003 & May 2003	400 S/D Personnel (Mechanical, E&I Manpower)
57	Overall Shutdown of NODCO Refinery, Mesaieed, Qatar with main contractor Al Muftah Hadi Hamman Co. W.L.L, Qatar	Qatar Petroleum	Refinery	November 2001 & December 2001	600 S/D Personnel (Mechanical, E&I Manpower)
58	Top Side Upgrade Project - PS2, 1999 Shutdown with main Contractor Doha Petroleum Company (DOPET).	Qatar Petroleum OFFSHORE PLATFORM	Offshore Process Platform	March 1999 & December 1999	980 S/D Personnel (Mechanical, E&I Manpower)
59	Shutdown maintenance of NODCO Refinery, Qatar with main contractor Al Muftah Hadi Hamman Co. W.L.L, Qatar	Qatar Petroleum	Refinery	October 1997 & November 1997	600 S/D Personnel (Mechanical, E&I Manpower)
60	Preparation of Structural Fabrication electrical & instrumentation Drawings QGPC Tender GTC/104/'96. with main contractor Al Muftah Hadi Hamman Co. W.L.L, Qatar	Qatar Petroleum	Design and Detailed Engineering	June 1995 & August 1995	40 Personnel incl. Design Engineers & Draughtsman
61	Shutdown of NODCO Refinery, Mesaieed, Qatar with main Contractor Doha Petroleum Company (DOPET).	Qatar Petroleum	Refinery	October 1995 & November 1995	550 S/D Personnel (Mechanical, E&I Manpower)
62	Engineering Installation Works PS1/2/3 GTC 108/94 with main Contractor Doha Petroleum Company (DOPET).	Qatar Petroleum	Offshore Process Platforms	May 1994 & August 1994	650 S/D Personnel (Mechanical, E&I Manpower)
63	Shutdown of NODCO Refinery, Mesaieed, Qatar with main Contractor Doha Petroleum Company (DOPET).	Qatar Petroleum	Refinery	October 1993 & November 1993	550 S/D Personnel (Mechanical, E&I Manpower)
64	Shutdown of NGL1 & 3, Merox ,Plant Umm Said, Qatar with main Contractor Doha Petroleum Company (DOPET).	Qatar Petroleum	NGL Plant	April 1993 & June 1993	650 S/D Personnel (Mechanical, E&I Manpower)



Clients Details

Clients

• QATAR

Qatar Petroleum Onshore Plants
(NGL 1, 2, 3, & 4)

Qatar Petroleum Offshore Plants
(HALUL, PS 2, 3, 4)

Qatar Petroleum Dukhan Field (FSP,
ARABD etc)

Qatar Petroleum Refinery (REF1,
REF2, RFCC)

Qatar Fertilizer Company (Ammonia
& Urea Plants)

Qatar Petrochemical Company

SEEF

Qatar Fuel Additives Company

Qatar Steel Company

Rasgas (Train 1, 2, 3, 4, AKG Plants,
Helium Plant)

TOTAL

• UNITED ARAB EMIRATES

Abu Dhabi Gas Industries (Ruwais Train 2, Asab)

Emirates Aluminum

Emirates National Oil Company

• OMAN

Oman Refineries and Petrochemical Company (Mina Al Fahal & Sohar Refinery)

• INDIA

Bharat Heavy Electricals Ltd

Bharat Petroleum Company Ltd

Reliance Petroleum Ltd

Rashtriya Chemical and Fertilizers

National Thermal Power Corporation

YEMEN

Yemen LNG

Main Contractors

• QATAR

» Al Ahed Trading & Construction Co. Ltd,
P.O.Box 3266, Doha, Qatar.

» Doha Petroleum Construction Company
P.O. Box 1744, Doha, Qatar.

» Manni Corporation QSE,
Ramada Junction, P.O.Box 76, Doha, Qatar

» Almufta Construction Company L.L.C
PO Box 875, Doha - Qatar, Arabian Gulf

• UNITED ARAB EMIRATES

» OIL Engineering Middle East LLC
PO Box 129226, Abu Dhabi, UAE

» Transfield Emdad Services
PO Box 514, Abu-Dhabi, U.A.E

» Danway Electrical & Mechanical Engineering LLC
P.O.Box 50048, Dubai U.A.E

» Dome International LLC
P.O.Box 24652, Dubai, U.A.E

» Specialist Services
P.O.Box 2752, Dubai, U.A.E

» Adyard Abu-Dhabi LLC
P.O.Box 7604. Abu-Dhabi, U.A.E

» Lamperal, LLC
P.O.Box 33455. Sharajh, U.A.E

» Arabian Gulf Special Technical
Services
Abu Dhabi, UAE

» Integrated Specialized Gen. Cont. Co.
W.L.L
Abu Dhabi, UAE

• OMAN

» Special Technical Services LLC
PO Box 52, Postal Code 32, Sohar

• SAUDI ARABIA

» Hadi Hamand Al-Hamman Est. for Constructing
PO Box 3, Rahima 31941, Kingdom of Saudi Arabia,

• INDIA

» ThyssenKrupp Industries India
Pimpri, Pune - 411018, Maharashtra, India



Sample General Scope Matrix

Project:

Date: _____

Client:

Subject: General Scope Matrix.

SI No.	Description	OCC Scope	Main Contractor Scope	Remarks
1	Scaffolding works		✓	
2	Insulation works		✓	
3	Blasting and painting including Lining works		✓	
4	Hot works	✓	✓	
5	Piping works if required		✓	
6	Refractory works		✓	
7	Civil works as required		✓	
8	Battery limit spading/despading	✓		
9	Torqing and tensioning Equipment and crew		✓	
10	chemical cleaning (If required)		✓	
11	Retubing of exchangers (If required)		✓	
12	Provide Bundle pullers		✓	
13	Supply Bundle puller operators	✓		
14	Provide Hydro jetting/Steam cleaning Equipment		✓	
15	Provide jetters/Cleaners.			
16	Provide all equipment to complete shutdown works including compressors,generators,electrical equipment,etc.		✓	
17	NDT as required		✓	
18	PWHT as required		✓	
19	Supply QC Engineer who has overall QC responsibility		✓	
20	Supply QC Inspector/assistants for documentation	For mechanical equipment	For all other works	
21	Decommissioning and Commissioning supervision	✓	✓	
22	Provide permit coordinators/clerks	✓		
23	Electrical support team	✓	✓	
24	Tagging crew	✓		
25	Supply planning engineers,reporters,	✓		
26	Supply Safety Engineer who has overall safety responsibility.		✓	
27	Supply Safety Supervisors	✓		
28	Arrange all required training		✓	
29	Supply of BA sets and other safety Equipment as required		✓	
30	Supply gas monitor and H2S gas mask		✓	
31	Supply PPE other than items covered in sl.no:33 .		✓	
32	Supply Normal cotton Coverall, safety shoes, Goggles and helmet,	✓		
33	Supply of Material Coordinator for overall items		✓	
34	Client spares collection and maintain Stores team	✓	✓	
35	Provide all machinery,vehicles,etc with operators to complete shutdown works(Cranes,forklifts,pick ups,trailers,buses,etc)		✓	
36	All tools and consumables		✓	
37	All materials as required.		✓	
38	Supply of Vaccume Tankers/Cleaning Equipment as required.		✓	
39	Provide cycles/pick ups for movement inside site		✓	



Sl No.	Description	OCC Scope	Main Contractor Scope	Remarks
40	Camp management/Admin	✓	✓	
41	Site admin/time keeping	✓	✓	
42	Provide and maintain Site Office and Communication Facilities at site.		✓	
43	Provide Mobiles phones for supervisory level and above.		✓	
44	Local transport, gate passes,etc at site.		✓	
45	Accommodation (6/8 persons room for work men + 4 persons room for foremen + 2 persons room for Supervisor + 1 person room for Coordinator/Engineer), messing and laundry for personnel at site.		✓	
46	Transportation, Accommodation (6/8 persons room for work men + 4 persons room for foremen + 2 persons room for Supervisors + 1 person room for Coordinator/Engineer)and food in Abu Dhabi before move to site		✓	
47	Provide Buses for transportation of workmen from camp to site		✓	
48	Provide mini buses for transportation of staff (foremen,supervisors,Qc personnel) from camp to site		✓	
49	Provide Pick ups for transportation of Sr.staff, Coordinators ,engineers,etc)from camp to site		✓	
50	Provide messing Facility and arrangements for lunch and 2 tea breaks with snacks		✓	
51	Provide and maintain Toilet facilities at site		✓	
52	Supply and manage waste bins		✓	
53	Provide House	✓	✓	
54	Arrange Visa and economy class return air ticket from Bombay to UAE for all personnel		✓	
55	Carry out Medical tests in UAE as required for visa stamping		✓	
56	Provide Site Administrator and Office Admin for assisting OCC personals to arrange Visa, Ticket, Medical, Security Pass etc.		✓	
57	Insurance coverage for OCC personnel		✓	
58	Medical expenses for personnel in Abu Dhabi and site.		✓	
59	Provide Project Manager and Site Coordinator team to manage subcontractors and deal with client.		✓	
60	Provide shutdown coordinator,engineers,supervisors, foremen and workmen for mechanical works.	✓		
61	Selection of manpower in India.	✓		
62	Mobilization of personnel to Mumbai, immigration, etc.	✓		
63	Supply of welding inspector (AWS-CWI or CSWIP) for piping works		✓	
64	Supply of welders for anchors welding.	✓		



Sample Equipment Scope Matrix

Project:

Date: _____

Client:

Subject: Equipment Scope Matrix.

SL No	Equipment Categories	OCC Scope	Main Contractor Scope	Remarks
1	Vessels	Blinding, Open man ways, Install extract fan, Offer for pre cleaning inspection, Remove and clean internals (If applicable), Remove and Record amount of Debris, Internal cleaning, Buffing cleaning for T joints, Post cleaning inspection, Refix internals (If applicable), Close man ways, Box up man ways with new Gasket and Deblinding with new Gasket, Remove and reinstall spools (If required), house keeping.	Erect external & internal scaffolding (If required), Remove Insulation (If required), Install ladder for access (If required), Install temporary lights, Unloading and loading of molecular sieves by specialized contractor (If applicable), Hot work repairs (If required), Blasting, painting & Lining Repairs (If required), Refractory repairs (If required), Reinstall temporary lights, Reinstall Ladder, Restore insulation (If required), Torquing by the subcontractor, Remove scaffolding.	
2	Sump	Blinding, Open man ways, Install extract fan, Offer for pre cleaning inspection, Remove and Record amount of Debris, Internal cleaning, Buffing cleaning for T joints, Post cleaning inspection, Close man ways, Box up man ways with new Gasket and Deblinding with new Gasket, house keeping.	Erect external & internal scaffolding (If required), Remove Insulation (If required), Install ladder for access (If required), Install temporary lights, Hot work repairs (If required), Reinstall temporary lights, Reinstall Ladder, Restore insulation (If required), Torquing by the subcontractor, Remove scaffolding.	
3	Tanks	Blinding, Open man ways, Install extract fan, Offer for pre cleaning inspection, Remove and Record amount of Debris, Internal cleaning, Buffing cleaning for T joints, Post cleaning inspection, Close man ways, Box up man ways with new Gasket and Deblinding with new Gasket, house keeping.	Erect external & internal scaffolding (If required), Install ladder for access (If required), Install temporary lights, Hot work repairs (If required), Lining Repairs (If required), Reinstall temporary lights, Reinstall Ladder, Torquing by the subcontractor, Remove scaffolding.	
4	Reactors	Blinding, Open man ways, Install extract fan, Offer for pre cleaning inspection, Remove and Record amount of Debris, Internal cleaning, Buffing cleaning for T joints, Post cleaning inspection, Close man ways, Box up man ways with new Gasket and Deblinding with new Gasket, Remove and reinstall spools (If required), house keeping.	Erect external & internal scaffolding (If required), Remove Insulation (If required), Install ladder for access (If required), Install temporary lights, Unloading and loading of molecular sieves by specialized contractor, Hot work repairs (If required), Blasting, painting & Lining Repairs (If required), Refractory repairs (If required), Reinstall temporary lights, Reinstall Ladder, Restore insulation (If required), Torquing by the subcontractor, Remove scaffolding.	

Project:

Date: _____

Client:

Subject: Equipment Scope Matrix.

SL No	Equipment Categories	OCC Scope	Main Contractor Scope	Remarks
5	MP Steam Boilers Package	Blinding, Open man ways, Install extract fan, Offer for pre cleaning inspection, Remove and Record amount of Debris, Internal cleaning, Buffing cleaning for T joints, Post cleaning inspection, Close man ways, Box up man ways with new Gasket and Deblinding with new Gasket, house keeping.	Erect external & internal scaffolding (If required), Install temporary lights, Hot work repairs (If required), Reinstall temporary lights, Torquing by the subcontractor, Remove scaffolding.	
6	Columns	Blinding, Open column man ways, Install extract fan, Remove and clean internals (If applicable), Open Tray manways, Offer for pre cleaning inspection, Remove and Record amount of Debris, Internal cleaning, Buffing cleaning for T joints, Post cleaning inspection, Refix internals (If applicable), Close Tray and column man ways, Box up man ways with new Gasket and Deblinding with new Gasket, Remove and reinstall spools (If required), House Keeping.	Erect external & internal scaffolding, Remove Insulation (If required), Install ladder for access (If required), Install temporary lights, Hot work repairs (If required), Reinstall temporary lights, Restore insulation (If required), Torquing by the subcontractor, Remove scaffolding.	
7	Heat Exchangers- U tube type	Blinding, Remove piping spools (If required), Open Cover, Pullout bundle, Clean (bundle, shell and cover), Buffing cleaning for T joints, Reinstall bundle with new gasket, Close Cover, Leak test bundle and shell, Box up and deblinding, Hose keeping.	Erect scaffolding, Remove insulation, Hot work repairs (if required), Restore insulation and remove scaffolding, Torquing by the subcontractor.	
8	Heat Exchangers - Floating Head Type.	Blinding, Remove piping spools (If required), Open Covers, Pullout bundle, Clean (bundle, shell, channel and floating head), Buffing cleaning for T joints, Reinstall bundle with new gasket, Close covers, Leak test bundle and shell, Box up and deblinding, House keeping.	Erect scaffolding, Remove insulation, Hot work repairs (if required), Restore insulation and remove scaffolding, Torquing by the subcontractor.	
9	Heat Exchangers- Fixed Tube Type	Blinding, Remove piping spools (If required), Open covers, Clean (bundle, shell, channel and floating head), Buffing cleaning for T joints, Close covers, Leak test bundle and shell, Box up and deblinding, House keeping.	Erect scaffolding, Remove insulation, Hot work repairs (if required), Restore insulation and remove scaffolding, Torquing by the subcontractor.	
10	Heat Exchangers - Plate Type.	Blinding and remove coversheet, Open out plates one by one, Cleaning the plate, Offer for cleaning inspection, Regasketing as required, Assemble all plates and Leak testing, Box up and deblinding, House keeping.	Erect scaffolding, Hot work repairs (if required), Remove scaffolding, Torquing by the subcontractor.	



Project:

Date: _____

Client:

Subject: Equipment Scope Matrix.

SL No	Equipment Categories	OCC Scope	Main Contractor Scope	Remarks
11	Heat Exchangers-Sulphur Condenser, Reheater & Effluent Cooler.	Blinding (If required), Disconnect electrical connections, Remove complete heater from the bed to ground level (as required), Open & Clean Nozzles, Flanges & End covers (as required), Remove & clean Valves (as required), Remove & clean internals (as required), Clean Tubes by air flushing (as required), Steam cleaning of parts (as required), Buffing cleaning for T joints, Cleaning inspection, Install back all parts, Perform leak test (as required) Box up and Deblinding with new Gasket, House keeping.	Erect external and internal scaffolding (If required), Remove insulation (If required), Arrange Lighting, Repair refractory & lining (If required), Hot work repairs (If required), Painting repairs (If required), Restore insulation, Torquing by the subcontractor, Remove Scaffolding.	
12	Reaction Furnace	Blinding, Open man ways, Install extract fan, Offer for inspection, Internal cleaning , Servicing of burner assembly (If recommended), Cleaning inspection, Box up & deblinding, Housekeeping. Replacement of Furnace Damper Wire Ropes along with Bulldog Clips and Turn Buckle.	Erect external and internal scaffolding, Remove insulation (If required), Arrange lighting, Repair refractory , Hot work repairs, Restore insulation (If required), Remove scaffolding, Torquing by the subcontractor. Supply of all Material for Furnace Damper (Wire Ropes along with Bulldog Clips and Turn Buckle).	
13	Thermal Oxidizer	Blinding, Open man ways, Install extract fan, Offer for inspection, Internal cleaning , Cleaning inspection, Box up & deblinding, Housekeeping.	Erect external and internal scaffolding, Remove insulation (If required), Arrange lighting, Repair refractory , Hot work repairs, Restore insulation (If required), Remove scaffolding, Torquing by the subcontractor.	
14	Reducing Gas Regenerator	Blinding, Open Cover, Remove Burner, Offer for inspection, Internal cleaning , Cleaning inspection, Reinstall Burner and Cover. Box up & deblinding, Housekeeping.	Erect scaffolding (If required), Remove insulation (If required), Arrange lighting, Repair refractory , Hot work repairs, Restore insulation (If required), Remove scaffolding, Torquing by the subcontractor.	
15	Sulphur Pit Ejector	Blinding, Remove ejector nozzle assembly, Offer for inspection, Cleaning, Buffing cleaning for T joints, Reinstall the ejector nozzle, Box up and deblinding.	Erect scaffolding (If required), Remove insulation, Hot work repairs (If required), Torquing by the subcontractor, Remove Scaffolding.	
16	HP and Acid Gas Flare	Blinding, Deblinding and house keeping.	Erect scaffolding (Both for blinding and Flare Tip inspection), Hot work repairs ,Remove scaffolding, Torquing by the subcontractor.	

Project:

Date: _____

Client:

Subject: Equipment Scope Matrix.

SL No	Equipment Categories	OCC Scope	Main Contractor Scope	Remarks
17	Refractory Repair	Anchors welding	All works in the Scope excluding anchors welding .	
18	Lining Repair		All works in the Scope.	
19	Valves (CV, Isolation, Butterfly)	Disconnection of cabling, valves accessories and tubing, Remove valve, Install end blind, Transport to workshop, Transport back to site, Reinstall valves.	Erect Scaffolding & remove insulation (as required), Calibration, testing and repair, Remove scaffolding and restore insulation, Torquing by the subcontractor.	
20	Replacement of Spacers	Blinding, Remove existing spacers, Clean flange faces, Install new specers, Deblinding.	Erect scaffolding, Remove insulation, Reinstall insulation, Torquing by the subcontractor, Remove Scaffolding.	
21	Electric Motors	All necessary Rigging arrangement.	Supply of all required Rigging equipments.	Transportation and overhauling by GASCO
22	Modification of Piping & Anchor		All works in the Scope.	



OCC Group of Companies

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401, 4th Floor, Joys Building, Padma JN, M.G Road, Ernakulam – 682 035.

Tel: +91 484 6006025