

# **OIL & GAS DEVELOPMENT COMPANY LIMITED**



**TENDER ENQUIRY NO. PROC-SERVICES/CB/P&P-4875/2020**

**HIRING OF SERVICES TO CARRY OUT ANNUAL TURN AROUND 2021  
(ATA-2021) OF QADIRPUR PLANT**

## **Note:**

Bid bond of **PKR 740,000/- (Pak Rupees Seven Hundred Forty Thousand Only)** must be submitted with the technical bid. Please see tender documents for further detail.

The master set of tender documents (services) uploaded on OGDCL website ([www.ogdcl.com](http://www.ogdcl.com)) is the integral part of this TOR.

## ATA-2021 WORK SCOPE EXPLANATORY NOTES FOR CONTRACTOR

- 1- The Owner, Oil & Gas Development Company Limited (OGDCL) is interested in inviting bids for the provision of services (Mechanical, Electrical, Instrumentation & Process etc.) at its Qadirpur Gas Plant for the execution of the Annual Turnaround (ATA) 2021 maintenance activities from reputable companies in this field. Tentative schedule for execution of ATA-21 Qadirpur gas field is 01-14 July, 2021, and duration for the execution of ATA will be approx. 14 days including depressurizing & start up.
- 2- The contractor shall develop and submit a detailed work schedule including mobilization and preparatory works prior to shut down. OGDCL can change the time span & date of commencement as per operational requirement for ATA.
- 3- Due to shortage of gas in the country, the contractor will be responsible for immediate mobilization of manpower & resources to comply all jobs, as approval for plant shutdown being obtained from Petroleum Ministry.
- 4- The Contractor shall quote separate rate for each activity against the quantities mentioned in the scope of work for repair works, modification jobs, repair/overhauling of individual manual valves and other services.
- 5- The work shall be done, completed in all respects in accordance with the requirements and Owner's instructions/satisfaction at site.
- 6- In case of switching from one plant train to the other (PT-I & PT-II), idling of manpower (If any) for unspecified time & condition will be on Contractors part.
- 7- The Quantities contained in the scope of work for each activity are estimated and liable to change (increase, decrease or omitted) when the work is actually executed. The Owner does not expressly or by implication guarantee that actual quantities of work to be performed will correspond to the scope of work submitted with this tender document. The payment to be made to the Contractor shall be based on the actual quantity of work performed.
- 8- The Contractor shall be responsible for carrying out all work, complete in all respects, according to the scope of work. Any item of work required for completion but not expressly indicated in the scope shall be deemed to have been included in the unit rates quoted by the Contractor. The successful contractor will be required to submit detailed procedures for undertaking shutdown jobs especially repair works and modification jobs for Owner's approval.
- 9- The works are to be carried out on a fast track basis and it is, therefore, essential that the Contractor shall be prepared to execute the work on a round the clock basis including any kind of holidays.
- 10- Unit rates quoted by bidder shall be firm. No extra payments on account of escalation in prices due to any reason shall be admissible.

- 11- Contractor must quote unit rate per dia. inch of pipe welding & per Kg of structure welding that will also be applicable for any additional job during ATA.
- 12- The Contractor shall be paid only for the work duly approved by Owner's representative. Any rework due to poor quality, demonstrated by NDT results & inspection by OGDCL shall be on Contractor's account.

**References:**

- ASME Sec II Part-C (Specifications for welding rods, electrodes and filler materials)
- ASME Sec IX (Welding and Brazing Qualifications)
- ASME B31.3 (Process Piping)
- ASME Sec V (Non Destructive Examination)
- API-510 (Code for Inspection of pressure vessels repair, alteration and re-rating)
- API-572 (Inspection of Pressure Vessels)
- API-570 (Inspection, Repair, Alteration and re-rating of piping)
- API-598 (Valves Inspection & Testing)
- MSS-SP-61 (Pressure Testing of Steel Valves)
- NACE MR-0175
- OGDCL's Specifications

**TERMS & CONDITIONS FOR ATA-2021**

- 1- Tentative schedule for execution of ATA-21 Qadirpur gas field is 01-14 July, 2021, and duration for the execution of ATA will be approx. 14 days including depressurizing & start up.
- 2- OGDCL reserves the right to change (increase/decrease) the scope of the work at any time keeping in view the operational requirements.
- 3- Contractor must visit the site to confirm the provided scope of work by OGDCL for bidding and clarification of scope (if any).
- 4- Contractor will arrange Fabrication/Welding Jobs including NDT/Third party inspection, wherever required.
- 5- The contractor should plan & control ATA activities (direct/associated) using Primavera and submit their planned schedule (Level-4) covering all the activities for carrying out ATA of Qadirpur Gas Plant successfully with high level quality within stipulated time period. (Soft copy of Primavera Plan is mandatory). Contractor will also provide daily progress report during execution of ATA.
- 6- Contractor must depute its supervisors to Qadirpur gas field few days prior to ATA for bagging and tagging of material as per activity.

- 7- Only land (for placement of caravans) for lodging (accommodation) will be provided to the Contractor's Man Power.
- 8- In case of any delay in completion of ATA and startup of plant due to contractor. Contractor will be held responsible and will be liable for penalty as per company policy.
- 9- Provision of Nitrogen with pumping unit for purging and Pressure testing is in OGDCL scope.
- 10- All gaskets (Only for box up) and spare parts will be provided by OGDCL.

## **CONTRACTOR'S RESPONSIBILITIES:**

### **HSEQ:**

- 1- Contractor will follow OGDCL HSEQ Policy in addition to all governmental regulations applicable to the scope of work for implementation of safe execution of each activity with zero-injury. In case of any accident, OGDCL will not be liable for any claim like insurance etc.
- 2- Contractor shall submit, before the start of ATA, the detailed documents as follows:
  - a. HSE Risk Assessment
  - b. JHA/JSAs of the relevant Jobs
  - c. Emergency Preparedness and Response Plan.
- 3- Contractor shall strictly follow the Work-to-Permit System and shall provide plan of activities in advance, submit THAs/JHAs where required and engage only certified staff for the hot jobs.
- 4- Contractor shall develop and ensure Toolbox Talk Program on Safety, Health and Environmental matters in daily HSE briefings by its HSEQ Rep.
- 5- Contractor shall immediately report to OGDCL representative all significant and important incidents involving fatality, injury, illness, environmental impacts, near hits, and/or hazardous situations.
- 6- Contractor shall submit to OGDCL representative an HSE Performance Review Report on regular basis.
- 7- Contractor will be responsible for housekeeping, clean up the trash, spills, food waste, spill of chemicals, oils, whereas potentially hazardous wastes to be immediately reported to OGDCL HSEQ representative. Further any used material will be transported to store yard by contractor.
- 8- Contractor shall provide orientation on Emergency Preparedness and Response Procedure to its team and ensure that its personnel are well aware of what procedures are in practice and who is to notify in the event of any emergency.
- 9- Arrangement of all the safety equipment & PPE's i.e. Gloves, Helmet, Safety glasses Harness, respirators etc. for contractor employees is contractor's responsibility.
- 10- Mobiles, photo camera, cigarettes, lighter etc. are prohibited in the plant premises and contractor should ensure this.
- 11- Contractor should arrange HSE I/C, supervisors, inspectors, first aid providers, hole watcher, rescuer, fireman and housekeeping man as per work plan activities.

- 12- Contractor will hire certified crane operator, scaffolder, rigger, drivers, welders, fabricators etc.
- 13- Each contractor's employee will wear its provided ID card in the premises of plant, ID card will be provided by the contractor displaying name & craft of each employee.
- 14- In case of any accident / emergency, OGDCL will provide only general first aid whereas any other medical treatment would be the responsibility of contractor.
- 15- In case of any injury, workmanship compensation of contractor's staff will be contractor's responsibility.

**FIELD WORK:**

- 1) All Tools and consumables for the execution of each job will be Contractor's responsibility. Consumables include all the necessary items i.e. WD-40, Cotton rags, Hand Gloves, RTV, Contact cleaner, Belt dressing spray, insulating gloves etc. Contractor must submit a complete list of Tools & consumables to the client prior to ATA.
- 2) Transport of material / spares etc. from QP-Store to Field (job execution site) will be contractor's responsibility. OGDCL will only issue the material from store.
- 3) Arrangement of Cranes, fork lifters, loading hiab (with Valid Third party certificates) suitable to carry out the activities within stipulated time frame will be contractor's responsibility. Contractor will also arrange fuel for operation of these vehicles.
- 4) Provision of electrical supply both at residence and plant for execution of all activities is contractor's responsibility.
- 5) Arrangement of Pump, hoses etc. for Flushing of Vessels will be contractor's responsibility.
- 6) Arrangement of Portable Diesel compressor & diesel for air blowing of lines will be contractor's responsibility. Furthermore the air compressor will also be required during Memguard vessels media replacement while doing repair work inside the vessels.
- 7) Removal/Re-installation of insulation Cladding where applicable shall be the responsibility of Contractor.
- 8) The painting of repaired piping/vessel weld seams with primer (red oxide) and top coat with high build solids epoxy as per applicable code shall be the responsibility of Contractor. Contractor will also provide necessary arrangements for DFT testing of painted lines.
- 9) Contractor will arrange 24V explosion proof High RPM exhaust Fans for the ventilation of Vessels.
- 10) Contractor will arrange 24V explosion proof lighting arrangement inside the vessels.
- 11) All necessary arrangements for pressure testing of valves, PSV's, Pipe lines, tubes i.e. Test bench, Gaskets, blind flanges, Hose pipes, gauges etc. will be contractor's responsibility.
- 12) Facilities for the repair of manual valves, control valves & PSV's as per work scope requirement will be contractor's responsibility. Contractor will arrange necessary material for valve seats etc. Machining facility will be provided by OGDCL.

- 13) All calibration equipment/tools Hart communicator, milliamp source, Deadweight Tester, Pneumatic Calibrator, Multi meters, Clamp meters, Earth tester, Megger etc. for the calibration of all instruments, transmitters, I/P convertors, Level trolls, switches. Control valves & PSV's along with electrical equipment etc., should be the responsibility of contractor.
- 14) Contractor should submit the calibration certificate duly signed and witnessed by owner and contractor as per standard quality procedure on daily basis.
- 15) Contractor should arrange their own Photocopy machine.
- 16) Chemicals arrangement for miscellaneous cleaning jobs for valves, Heat exchangers, coolers, Vessels and Piping etc. will be responsibility of the contractor. The contractor will be responsible for safe handling and execution of chemical cleaning activities.
- 17) Scaffolding erection and dismantling along with scaffolding material for all the work at height jobs will be contractor's responsibility.
- 18) Contractor will be responsible for execution of refractory repair work (preferably from Refra-Products) inside vessels etc. Provision of material for refractory will be OGDCL's responsibility.
- 19) In case of emergency OGDCL's Machines, Tools, equipment are to be used by Contractor, if available; they will be charged on Market rate.
- 20) Hydra tight equipment along with operator will be contractor responsibility.
- 21) Arrangement of Electrical Supply Boards/Cables/Lighting/Electrical Tools along with Miniature Circuit Breaker (MCB), Molded Case Circuit Breakers (MCCB) and earth leakage circuit breaker (ACB) to provide electrical supply/Lighting at different work location as per HSE standard (such as insulation of Electrical Tools where required etc.) will be responsibility of the contractor.
- 22) Arrangement of Pneumatic tools for confined spaces (Vessel and Columns).
- 23) Long tail wire brush for internal cleaning of Level glasses or chemical cleaning agents will be arranged by the contractor.

#### **HOT JOBS:**

- 1- Consumables for fabrication / welding / machining etc. will contractor's responsibility. Consumables includes all the necessary items i.e. Electrodes, cutting disc, grinding disc, Baby grinders, burr set, Drill Machine along with Drill Bit, DA, oxygen & Argon Cylinders etc.
- 2- Arrangement of Diesel Welding Generator & diesel will be in contractor's scope of work. Min. 04 Generators will be required at different locations.
- 3- Contractor shall be responsible for PRE HEAT & PWHT of welding jobs including PWHT machines, consumables and stress Relieving as per NDT results whenever required.
- 4- Contractor shall provide WPS & PQR for welding and fabrication jobs prior to execution.

- 5- NDT (DPT & RT) with required consumables & equipment for all welding jobs (Repair work/Modifications) will be contractor's responsibility.
- 6- All modifications/change in piping will be painted after proper surface cleaning as per color codes.
- 7- Radiographic Inspection of new welding joints will be contractor's responsibility. OGDCL will specify the %age of welding joints to be inspected.
- 8- Contractor will be responsible for any blinding/De-blinding required for any Hot Job, which may not be foreseen at this stage.

#### **GENERAL ARRANGEMENTS:**

- 1- Technical manpower must be qualified / skilled and have at least five years' experience in its trade in the field of Oil & Gas/Petrochemical Processing Plants. Contractor skilled manpower will be interviewed by OGDCL professionals in all disciplines (Mechanical, Electrical and Instrument, HSEQ etc.), if deemed necessary. Contractor should arrange the interview at their premises. Detailed CV's of direct manpower/supervisors is mandatory.
- 2- Area in-charges should be graduate engineers with at least 05 years of Shutdown experience in Oil & Gas / petrochemical companies. Contractor must also provide QA / QC Engineers (Fabrication / welding, Piping, stationary equipment, Instrument and Electrical) with 05 years of Shutdown experience in relevant field.
- 3- All arrangement for boarding & lodging for contractor's man power will be contractors responsibility. Only 06 Officers Engg. Cadre will be provided temporary residence & messing.
- 4- Arrangement of Camp utilities electricity, portable water, portable washrooms/toilets with their cleaning will be responsibility of Contractor.
- 5- Contractor must submit list of total no's of deployed manpower (cadre wise).
- 6- Contractor shall provide adequate meals / on-site refreshment twice in 12 hour shift and laundry services to their employees.
- 7- Contractor should ensure his manpower has no any kind of ammunition and narcotics. (Security concern)
- 8- Contractor should deploy its security personals to control the manpower's in/out movement at plant and field main gate with the coordination of OGDCL security Incharge.
- 9- Pick & drop of any type for contractor's manpower will be contractor's responsibility.
- 10- Contractor will arrange 02 times daily Refreshment & 01 time proper meal per shift as per requirement. Furthermore contractor will provide Tetra-Pack milk to all manpower deployed in Memguard vessels during repair of Memguard bed supports & mesh replacements etc.

**Bidder/Contractor Qualification Criteria:**

Sr. No.	Evaluation Item	Description of Criteria	Max. Marks / Calculations	Maximum Marks	Minimum Qualifying Marks	Remarks
1.	Contractor strength to execute Mechanical, Electrical & Instrumentation work.	Contractor should have min. 05 years' experience for execution of Mechanical, Electrical and Instrument works in ATAs.	Fully Complied: 10	10	10	The Contractor should submit the details of scope of work along with supporting documents to prove that they have executed Mechanical, Electrical & Instrument activities during ATAs. Experience of Contractor itself will be considered only (experience of manpower is separately covered in TOR)
2.	Specific experience of Annual Turn Around (ATA).	Contractor's experience of ATAs. (Max 05 Nos. ATA will be considered for evaluation Only)	Contractor shall earn 06 marks against each ATA up to maximum of 30 marks, Only 05 ATAs will be considered for Marks calculation.	30	20	In order to get 6 Marks for each ATA, the value/ worth of each previous ATA performed by contractor should be at least 10 Million (PKR). If value/ Cost of ATA performed is less than 10 Million above 07 Million (PKR) 05 points each. If value/ Cost of ATA performed is less than 07 Million above 04 Million (PKR) 04 points each. If value/ Cost of ATA performed is less than 04 Million above 1.5 Million (PKR) 03 points each. If value/ Cost of ATA performed is less than 1.5 Million then it will not be considered.



Total Marks= 100

Minimum Qualifying Marks = 78

**Note:**

Sr. No.	Evaluation Item	Description of Criteria	Max. Marks / Calculations	Maximum Marks	Minimum Qualifying Marks	Remarks
3.	Certifications.	Contractor should provide following valid certificates; 1. ISO 9000 certification: 2. ASME U/R-Stamp 3. PEC Registration	1. 04 Marks 2. 04/03 Marks 3. 04 Marks	15	11	Contractor should submit the valid copy of certificates. If the certificate status is in progress no marks shall be given.
4.	Offices, Workshop, Tools, Equipment, Machinery, Infrastructure.	Contractor should have following facilities with in Pakistan. 1. Workshop & office, 2. Tools to execute the ATA activities (Mechanical, Instrument, Electrical). 3. Equipment / Machinery (Valve test bench, hydro jetting machines, welding machines/ Generators). 4. Cranes, fork lifters. 5. Relevant professional CVs & site deployment Organogram for Mechanical, Instrument & Electrical works.	02Marks  08 Marks  04 Marks  06 Marks (04 + 02)  10 Marks.	30	24	Established workshop : 02 Marks, Established Office : 01 Marks  Mechanical tools: 04 Marks, Instrument tools: 02 Marks. Electrical tools: 02 Marks.  01 Mark for each main equipment / Machinery.  01 Crane (Min 40 tons). 02 Marks, Max: 04 Marks 01 fork lifters (Min 3 Tons). 01 Mark, Max : 02 marks  Organogram: 02 Mark. Mechanical CVs: 04 Mark (ATA Experience Must be 10 Years) Electrical CVs: 02Mark, Instrument CVs: 02Mark

5.	Safety & HSE Policy	<ol style="list-style-type: none"> <li>Contractor's documentary evidence of HSE policy with commitment to provide PPE, Helmet, Ear plugs and safety shoes to the skilled labour at work.</li> <li>Well defined HSE policy with commitment and to provide 1 Million Safe Man hours record.</li> <li>Deployment of first aid boxes &amp; medical team for the labour at site.</li> </ol>	<ol style="list-style-type: none"> <li>04 Marks for full compliance, partial compliance zero Marks.</li> <li>03 Marks,</li> <li>03 Marks for full compliance, partial compliance zero Marks.</li> </ol>	10	08	The Contractor who will provide 1 Million safe man hours record will be awarded 03 marks while the Contractor who will provide 0.5 Million safe man hours record will be awarded 01 Marks.
6.	Complete compliance of Term and Conditions for ATA-2021		Fully Complied: 05	05	05	The contractor should submit the complete compliance certificate with the bid, any deviation from term and condition is not acceptable.

- Contractors capable of executing Electrical, Instrument & Mechanical activities will be considered for evaluation process. Partial compliance i.e if the Contractors has experience of mechanical jobs only, having no experience in Electrical & Instrumentation field & vice versa, then it will be not considered for evaluation.
- Contractor should get minimum qualifying marks in each category as mentioned in above table. Contractor will not be qualified if above mentioned minimum qualifying marks in any category will not be scored by the contractor. In addition, the total marks should also be not less than 78. Any contractor who will score less than 78 marks shall not be considered for evaluation.
- Contractor must have five years total experience of providing ATA/shutdown services. Contractors having experience less than five years will be disqualified & shall not be considered for evaluation even they score marks more than 78 as per above tabulated criteria. In order to prove five years' experience, Contractor can claim the ATA whose worth / value is less than Rs.1.5 million however these ATA shall not be considered for marks calculation and only ATAs having worth/ value more than Rs. 1.5 million will be considered for marks calculation as per above table Sr. No. 02.
- In case of JV, JV agreement to be provided by contractor. Experience of both JV partner will be not added together for marks calculation.

## FINANCIAL BID FORMAT/EVALUATION CRITERIA

Indent No. QP-11389 for Qadirpur Plant ATA-2021

Sr.	Description	Price in PKR (inclusive of all taxes except PST/ICT)
<b>Cost of Services/Manpower, activity wise breakdown as per enclosed document (the cost must be inclusive of all types of resources like manpower, tools, machinery, consumables, PPE's, mob/demob, boarding/lodging etc.) for:-</b>		
1	<b><u>Mechanical Works:</u></b> Including Mech. SOW; Complete Main Plant, Mech. SOW; PT-1, Mech. SOW; PT-2, Mech. SOW; Complete FEC, Inspection etc.	
2	<b><u>Electrical Works:</u></b> Including Elec. SOW	
3	<b><u>Instrument Works:</u></b> Including Inst. SOW, Inst. SOW; Complete Tag List etc.	
<b>TOTAL COST (inclusive of all Taxes except PST/ICT)</b>		

**Note:**

- i. The prices must be quoted in PKR and inclusive of all taxes (except Provincial Sales Tax/ ICT Tax on services in Pakistan), duties, levies, charges etc.
- ii. Bidders are requested to quote the above mentioned rates separately for each activity of the jobs at Sr. No. 01. & provide the activity wise break down as per attached lists.
- iii. OGDCL reserves the right to delete / cancel any activity mentioned in the scope. At the time of contractor mobilization, they will be informed about such deletion/cancellation of activity and payment will be adjusted accordingly.
- iv. No Advance payment will be made at the time signing/issuance of the contract
- v. Contract will be awarded to technically responsive and financially lowest evaluated bidder on complete package basis.
- vi. Contract will be issued on estimated amount however payment will be made after completion of job as per Scope of Work and against verified invoices (i.e. Plant Manager, relevant Incharges) at actual along with completion certificate issued by OGDCL.
- vii. Commercial Invoice should inclusive of the activity list with pricing verified by filed official.
- viii. Sales Tax invoice with Annexure 'C' must be provided.

## Complete ATA-2021 Activities at Main Processing Plant

Sr#	Job Description	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch	Unit Price (including all taxes except PST/ICT)	Line Price (including all taxes except PST/ICT)
1	Dismantling of manways, level trolls, cleaning and flushing with water of slug catchers M-2001 & M-2002							
a)	<b>M-2001</b>							
i	Dismantling of 02 Nos 36" Class 600 RTJ End Blinds	36"	600	No's	2			
ii	Mechanical Cleaning (Header Length- 40 ft. approx.)	36"		No's	1			
iii	Cleaning & Flushing by Water (contractor scope) followed by inspection (OGDCL process section)			Lump sum	1			
iv	Box Up of 02 Nos 36" Class 600 RTJ End Blinds	36"	600	No's	2			
b)	<b>M-2002</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Erection of Scaffolding	1x2x3		<b>M3</b>	<b>6</b>			
ii	Dismantling of Man Hole Flange Size 18" Class 600 RTJ	18"	600	No's	1			
iii	Mechanical Cleaning			Lump sum	1			
iv	Flushing with Water (contractor scope) followed by inspection (OGDCL process section)			Lump sum	1			
v	Box-Up of Man Hole Flange Size 18" Class 600 RTJ	18"	600	No's	1			
vi	De-Blinding	18"	600	No's	1			
2	Dismantling of manways, level trolls, cleaning and flushing	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		

	<b>with water Cond./water separator V-2003</b>							
i	Opening of Man Hole Size 18" Class 150 RF	18"	150	No's	1			
ii	Positive Isolation, Dismantling of 6" 150lb, RF flange	6"	150	No's	1			
iii	Dismantling of local drain line 3", 150lb RF	3"	150	No's	4			
iv	Removal of 02 Nos Level Troll alongwith level Glass	3'	150	No's	6			
v	Mechanical Cleaning of Vessel & flushing with water			Lump sum	1			
vi	Cleaning of 02 Nos Level Glass, with Internal wire brush	2'	150	No's	4			
vi	Re-Installation of 02 Nos Level trolls & level Glass (contractor scope) followed by inspection (OGDCL process section)	3'	150	No's	6			
vii	Box-Up of Man Hole Size 18" Class 150 RF	18"	150	No's	1			
<b>3</b>	<b>Dismantling of manways, level trolls, cleaning and flushing with water Cond./water separator V-2013</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Opening of Man Hole Size 18" Class 150 RF	18"	150	No's	1			
ii	Positive Isolation, Dismantling of 6" 150lb, RF flange	6"	150	No's	1			
iii	Dismantling of local drain line 3", 150lb RF	3"	150	No's	4			
iv	Removal of 02 Nos Level Troll alongwith level Glass	3'	150	No's	6			
v	Mechanical Cleaning of Vessel & flushing with water			Lump sum	1			
vi	Cleaning of 02 Nos Level Glass	2'	150	No's	4			
vii	Re-Installation of 02 Nos Level trolls & level Glass (contractor scope)	3'	150	No's	6			

	followed by inspection (OGDCL process section)							
viii	Box-Up of Man Hole Size 18" Class 150 RF	18"	150	No's	1			
<b>4</b>	<b>Dismantling of manways, level trolls, cleaning and flushing with water Cond flash separator ( V-2023)</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Opening of Man Hole Size 18" Class 150 RF	18"	150	No's	1			
ii	Positive Isolation, Dismantling of 6" 150lb, RF flange	6"	150	No's	1			
iii	Dismantling of local drain line 3", 150lb RF	3"	150	No's	4			
iv	Removal of 02 Nos Level Troll alongwith level Glass	3'	150	No's	6			
v	Mechanical Cleaning of Vessel & flushing with water			Lump sum	1			
vi	Cleaning of 02 Nos Level Glass	2'	150	No's	4			
vii	Re-Installation of 02 Nos Level trolls & level Glass (contractor scope)followed by inspection (OGDCL process section)	3'	150	No's	6			
viii	Box-Up of Man Hole Size 18" Class 150 RF	18"	150	No's	1			
<b>5</b>	<b>Cleaning and flushing of flare knock out vessel (V-4102)</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Dismantling of flare knock out drum Man way 24" dia	24"	150	No's	1			
ii	Dismantling of Level Trolls	3"	150	No's	2			
iii	Dismantling of drain line assy.	2"	150	No's	6			
iv	Cleaning & flushing of vessel			Lump sum	1			
v	Box up of Level Trolls	3"	150	No's	2			
vi	Box up of drain line assy.	2"	150	No's	6			
vii	Installation of man-way	24"	150	No's	1			

6	Dismantling of manways, level trolls, cleaning and flushing with water Above ground CPI (A-4401 AA)	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Positive Isolation of tank, 6" 150 lb RF Inlet & outlet lines.	6"	150	No's	2			
ii	Dismantling of top plates of CPI Tanks, 5mm plates with different sizes	10'x30'		No's	1			
iii	removal of Corrugated fiber plates inside of CPI tank,	4"x9"		No's	200			
iv	Cleaning/flushing of plates with water	4"x9"		No's	200			
v	Dismantling of liquid drain lines 3", 150lb RF lines	3"	150	No's	6			
vi	Dismantling of Level Troll, Level Glasses & level switches, 3" 150lb RF-2, 2"150lbRF-4, 3/4 150lb-4		150	No's	10			
vii	Dismantling of 04 No's level switches, 2" 150lb RF	2"	150	No's	4			
viii	Mechanical Cleaning & Flushing with water of Tank (contractor scope) followed by inspection (OGDCL process section)			Lump sum	1			
ix	Box up of Plates	10'x30'		No's	1			
x	Box-Up of 04 No's level switches, 2" 150lb RF	2"	150	No's	4			
xi	Box-Up of Level Troll, Level Glasses & level switches, 3" 150lb RF-2, 2"150lbRF-4, 3/4 150lb-4		150	No's	10			
xii	Box-Up of liquid drain lines 3", 150lb RF lines	3"	150	No's	6			
xiii	Box-Up of Corrugated fiber plates inside of CPI tank,	6"x1'		No's	200			

xiv	Boxup of top plates of CPI Tanks, 5mm plates with different sizes	10'x30'		No's	1			
xv	Removal Isolation of tank, 6" 150 lb RF Inlet & outlet lines.	6"	150	No's	2			
7	<b>Dismantling of manways, level trolls, cleaning and flushing with water Above ground CPI (A-4401 AB)</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Positive Isolation of tank, 6" 150 lb RF Inlet & outlet lines.	6"	150	No's	2			
ii	Dismantling of top plates of CPI Tanks, 5mm plates with different sizes	10'x30'		No's	1			
iii	removal of Corrugated fiber plates inside of CPI tank,	4"x9"		No's	200			
iv	Cleaning/flushing of plates with water	4"x9"		No's	200			
v	Dismantling of liquid drain lines 3", 150lb RF lines	3"	150	No's	6			
vi	Dismantling of Level Troll, Level Glasses & level switches, 3" 150lb RF-2, 2"150lbRF-4, 3/4 150lb-4		150	No's	10			
vii	Dismantling of 04 No's level switches, 2" 150lb RF	2"	150	No's	4			
viii	Mechanical Cleaning & Flushing with water of Tank (contractor scope) followed by inspection (OGDCL process section)			Lump sum	1			
ix	Box up of Plates	10'x30'		No's	1			
x	Box-Up of 04 No's level switches, 2" 150lb RF	2"	150	No's	4			
xi	Box-Up of Level Troll, Level Glasses & level switches, 3" 150lb RF-2, 2"150lbRF-4, 3/4 150lb-4		150	No's	10			



xii	Box-Up of liquid drain lines 3", 150lb RF lines	3"	150	No's	6			
xiii	Box-Up of Corrugated fiber plates inside of CPI tank,	6"x1'		No's	200			
xiv	Boxup of top plates of CPI Tanks, 5mm plates with different sizes	10'x30'		No's	1			
xv	Removal Isolation of tank, 6" 150 lb RF Inlet & outlet lines.	6"	150	No's	2			
<b>8</b>	<b>Air blowing of PT-1 MemGuard Product Header</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Dismantling of Ball Valve	24"	600	No's	1			
ii	Air blowing of PT-1 MemGuard Product Header (By OGDCL)			Lumpsum	1			
iii	Box-Up of Ball Valve	24"	600	No's	1			
<b>9</b>	<b>Cleaning and flushing of common membrane feed header</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Dismantling of End Blind	24"	600	No's	1			
ii	Air blowing of PT-1 MemGuard Product Header (By OGDCL)			Lumpsum	1			
iii	Installation of End Blind	24"	600	No's	1			
<b>10</b>	<b>Cleaning and flushing of propane condensers, interstage fin fan coolers and lube oil coolers of permeate compressors (K-2701 / K-2711 / K-2721), regeneration gas coolers (E-9208)</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	General cleaning, Flushing of Fin fan radiators, Allignment of faulty fan shafts, rectification, replacement of V-drive belts/bearings/greasings etc	10' Max		Fin Fan radiators	20			
<b>11</b>	<b>Corrosion Inhibitor injection points at upstream of M-2002, Suction header of PRCP, QICP(New).</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		

i	Installation of 3/4" SS, Pipe Fittings Tie-In points, Sch. 40	3/4"	40	Joints	28	22		
<b>12</b>	<b>Corrosion Inhibitor injection points at upstream of old slug catcher M-2001</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Installation of Blind Flanges	3/4"	40	Joints	2			
ii	Combining of 02 pipeline 3/4" SS with each other (SW fittings)	3/4"	40	Joints	12	9		
<b>13</b>	<b>Replacement of 6" emergency valve towards M-5604B.</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Dismantling of existing Gate valve	6"	600	No's	1			
ii	Installation of new Gate valve, with gaskets	6"	600	No's	1			
<b>14</b>	<b>Replacement of pump, P-4406D discharge valve (4").</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Dismantling of existing Gate valve	4"	600	No's	1			
ii	Installation of new Gate valve, with gaskets	4"	600	No's	1			
<b>15</b>	<b>Replacement of downstream valve 8" of XV-9701 (Regeneration Gas).</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Dismantling of existing Ball valve	8"	600	No's	1			
ii	Installation of new Ball valve, with gaskets	8"	600	No's	1			
<b>16</b>	<b>Replacement of two downstream valves 8" of XV-9702 (Regeneration Gas).</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Dismantling of existing Ball valve	8"	600	No's	2			
ii	Installation of new Ball valve, with gaskets	8"	600	No's	2			
<b>17</b>	<b>Rerouting of 3" dia liquid drain line of PT-1 Scrubber V-9209 from front to backside of Memgaurd vessels.</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Fabrication & installation of 3" pipeline	3"	40	Joints	15	45		

ii	Dismantling and removal of Old lines	3"	40	Joints	6			
<b>18</b>	<b>Fabrication for PT-2 Regeneration gas cooler isolation valves.</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Cutting of existing 6", Sch. 80 lines for installation of 02 Flanges	6"	80	No's	2			
ii	Welding of 02 matting flanges	6"	600	No's	2	12		
iii	Installation of Ball valve 6", 600ld, RTJ (High Temp.)	6"	600	No's	1			
<b>19</b>	<b>Tie-in of PT-2 Regeneration gas Scrubber inlet line to Flare Header.</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Cutting of existing 6", Sch. 80 lines for installation of 01 Equal Tee	6"	80 Sch.	No's	2			
ii	Piping modification as per sketch 6"	6"	80 Sch.	Joints	6	36		
iii	Box up of 6" valves	6"	600	No's	4			
<b>20</b>	<b>Cold cutting of inter-connecting oily sewer pipes at PT-1/2</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Cold cutting of 10" Oily Sewer CS pipe in Pits	10"	40 Sch	joints	6	60		
<b>21</b>	<b>Provision of 2" dia loading valve of ESDV-551 at EPQL export line on permeate metering skid</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Cutting /welding/Installation of 2" by pass valve at 12" CS line	2"	80 Sch.	joints	10	20		
<b>22</b>	<b>Thoroughly cleaning of all rotary equipment's and its surroundings</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	On Skid cleaning with suitable chemical/detergent of 55 Nos Rotary equipments (Turbines (06), blower (02), Engines(30), Pumps(10),			Nos	55			

	Instrument compressors (7)							
23	Cleaning of oily sewer pits, M-5601 A/B, M-5604 A/B	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Cleaning of pits by Vaccum Bowser, which will be provided by OGDCL. Contractor to provide Manpower for accomplishment of cleaning .			Nos	4			
24	Flow meter installation at Power Genset	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Cutting /welding/Installation of 3" Orifice 02 joints.	3"	80 Sch.	Nos	2	6		
25	Installation of Flaring PCV-102	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling/Cutting of Existing PCV-102 spool	6"	80	Joints	4	24		
ii	Dismantling/Cutting of Existing PCV-102 spool	12"	80	Joints	2	24		
iii	Installation of New PCV-102 spools	12"	80	Joints	24	288		
iv	Installation of 02 Ball valves & 01 PCV	12"	600	No's	3	3		
v	Installation of Piping Supports	6"	80	Joints	2	12		
SUB TOTAL (including all taxes except PST/ICT) (Mech. SOW, Complete Main Plant) =								

ATA-2021 Activities for Shutdwon of PT-1							
Sr#	Description	Size	lb/Sch.	UOM	Qty	Unit Price (including all taxes except PST/ICT)	Total Line Price (including all taxes except PST/ICT)
1	Dismantling of manways, level trolls, cleaning and flushing with water Inlet separators (V-9000 A/B),						
i	Positive Isolation, Reverting 04 No's spacticle blinds 16", 600lb, RTJ	16"	600	No's	4		
ii	Dismantling and box-up of Man Hole Flange (Size 20" RTJ 600 )	20"	600	No's	1		

iii	Dismantling and box-up of Top flange 16", RTJ 600lb	16"	600	No's	1		
iv	Dismantling and box-up of 3" liquid drain line flanges	3"	600	No's	2		
v	Opening Troll	3"	600	No's	4		
vi	Opening Level Glass	2"	600	No's	6		
vii	Cleaning of Level Glass	4'		No's	2		
viii	Box up of Level Glass & Troll	4'		No's	2		
ix	Internal Flushing With Water (contractor scope) followed by inspection (OGDCL Process section).			lumpsum	1		
x	De-Blinding	16"	600	No's	4		
<b>2</b>	<b>Dismantling of manways, level trolls, cleaning and flushing with water Regeneration gas scrubbers of PT-1 (V-9209)</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>		
i	Opening and box-up of top flanges (RTJ, 600#, size 24")	24"	600	No's	1		
ii	Dismantling and box-up of bottom liquid drain line	2"	600	No's	2		
iii	Dismantling and box-up of level troll	3"	600	No's	3		
iv	Dismantling and box-up of level glasses	2"	600	No's	2		
v	Dismantling/Blinding of Inlet/Outlet lines	6"	600	No's	2		
vi	Removal of demister pads	2.5' dia.	600	Pad	1		
vii	Cleaning of demister pad with water	2.5' dia.	600	pad	1		
viii	Flushing of the vessels with water.			lumpsum	1		
ix	Re-installation of demister pads (contractor scope) followed by inspection (OGDCL Process section).	2.5' dia.	600	Pad	1		
x	De-Blinding	6"	600	No's	2		
<b>3</b>	<b>Dismantling of manways, level trolls, cleaning and flushing with water of Filter Coalescer filters of PT-1 (180 elements)</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>		
i	Dismantling and Box-up of Man Hole of the Filer Coalescer Vessle 18" (02 Nos)	18"	600	No's	2		
ii	Dismantling and box - up of liquid drain line 3", 600lb RTJ	3"	600	No's	2		

iii	Removal of Retaining Plates, Installed over threaded Rods.	2.5		meter (Dia)	1		
iv	Replacement of filters (Removal of Old filters 180 No's & installation of same new filters)	30" x 6" filter size		No's	180		
4	<b>Complete inspection of both convection and radiation zone of regeneration gas heater PT-1</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>		
i	Spade blinds at Inlet/Outlet lines of Heater, 6" & 8", 600lb RTJ (01 each)			No's	2		
ii	Dismantling of Heater Man Hole 18", 150lb RF	18"	150	No's	1		
SUB TOTAL (including all taxes except PST/ICT) ( Mech. SOW, PT-1) =							

### Activities for Partial Shutdown of PT-2

Sr No.	Description	Size	lb/Sch.	UOM	Qty	Unit Price (including all taxes except PST/ICT)	Line Price (including all taxes except PST/ICT)
1	<b>Dismantling of manways, level trolls, cleaning and flushing with water of Inlet separators ( V-9700 A/B), Feed gas header of both PT- 2</b>						
i	Positive Isolation, Reverting 04 No's spacticle blinds 16", 600lb, RTJ	16"	600	No's	4		
ii	Dismantling and box-up of Man Hole Flange (Size 20" RTJ 600 )	20"	600	No's	1		
iii	Dismantling and box-up of Top flange 16", RTJ 600lb	16"	600	No's	1		
iv	Dismantling and box-up of 3" liquid drain line flanges	3"	600	No's	2		
v	Opening Troll	3"	600	No's	4		
vi	Opening Level Glass	2"	600	No's	6		
vii	Cleaning of Level Glass	4'		No's	2		
viii	Box up of Level Glass	4'		No's	2		
ix	Internal Flushing With Water (Contractor scope) followed by inspection (OGDCL Process section)			Lumpsum	1		
x	De-Blinding	16"	600	No's	4		
2	<b>Dismantling of manways, level trolls, cleaning and flushing with water of Regenration gas scrubbers of PT-2 (V-9809)</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>		

i	Opening and box-up of top flanges (RTJ, 600#, size 24")	24"	600	No's	1		
ii	Dismantling and box-up of bottom liquid drain line	2"	600	No's	2		
iii	Dismantling and box-up of level troll	3"	600	No's	3		
iv	Dismantling and box-up of level glasses	2"	600	No's	2		
v	Dismantling/Blinding of Inlet/Outlet lines	2"	600	No's	2		
vi	Removal of demister pads	1"	600	Pad	1		
vii	Cleaning of demister pad with water	1"	600	Pad	1		
viii	Flushing of the vessels with water.			Lumpsum	1		
ix	Re-installation of demister pads (Contractor scope) followed by inspection (OGDCL Process section)	1"	600	Pad	1		
x	De-Blinding	2"	600	No's	2		
<b>3</b>	<b>Complete inspection of both convection and radiation zone of regeneration gas heater PT-2.</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>		
i	Spade blinds at Inlet/Outlet lines of Heater, 6" & 8", 600lb RTJ (01 each)			No's	2		
ii	Dismantling of Heater Man Hole 18", 150lb RF	18"	150	No's	1		
SUB TOTAL (including all taxes except PST/ICT) (Mech. SOW, PT-2) =							

### Complete ATA-2021 Activities on Front End Compression

Sr. No.	Description	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch	Unit Price (including all taxes except PST/ICT)	Total Price (including all taxes except PST/ICT)
<b>1</b>	<b>Cleaning and flushing of Main common suction header of QICP front end compressors</b>							
i	Dismantling of Suction header End Blind Flange 26" dia. (Ground Level Flange)	26"	600	No's	1			
ii	Cleaning & Flushing of Suction header with high pressure water			No's	1			
iii	Installation of Suction header End Blind Flange with Ring type Gasket 26" dia	26"	600	No's	1			
<b>2</b>	<b>Cleaning and flushing of inter and after stage coolers of PRCP A,B&amp;C</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Wrapping of Fan motors with Polythene sheet (if required)			No's	12			
ii	External Cleaning of Inter & After stage Fin Fan coolers with water & Detergent.			Fin Fan Radiator	6			

3	Cleaning and flushing of Main common suction header of PRCP front end compressors	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of PRCP Suction header End Blind Flange 26" dia	26"	600	No's	1			
ii	Cleaning & Flushing of Suction header with high pressure water			No's	1			
iii	Installation of PRCP Suction header End Blind Flange with Ring type Gasket 26" dia	26"	600	No's	1			
4	Cleaning and flushing of LP and HP scrubbers of PRCP-A,B & C.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of 18" Man-way of LP Scrubber for Flushing	18"	600	No's	1			
ii	Dismantling of Level Glass of LP scrubber (2" Flanges)	2"	600	No's	6			
iii	Dismantling of Drain line of LP Scrubber (3" Flanges)	3"	600	No's	2			
iv	Dismantling of Man-ways of HP Scrubber (8" Flange cover)	8"	600	No's	2			
v	Dismantling of Level Glass of HP scrubber (2" Flanges)	2"	600	No's	4			
vi	Dismantling of Drain line of HP Scrubber (3" Flanges)	3"	600	No's	1			
vii	Cleaning & Flushing of both HP & LP scrubbers with water.			Lumpsum	6			
viii	Installation of Man-ways , Level Glass, Drain lines of HP & LP scrubbers	8"	600	No's	2			
5	Cleaning and flushing of 1st and 2nd stage scrubbers of all 14 QICP compressors.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Installation of Pipe Nipple (Threaded) 3/4"	3/4"	80	No's	14			
ii	Cleaning & Flushing of Scrubbers with water			Lumpsum	1			
iii	Removal of Pipe Nipple (Threaded) 3/4"	3/4"	80	No's	14			
6	Cleaning and flushing of flare knock out vessel (V-4101)	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of flare knock out drum Man way 24" dia	24"	150	No's	1			
ii	Dismantling of Level Trolls	3"	150	No's	2			
iii	Dismantling of drain line assy.	2"	150	No's	6			
iv	Cleaning & flushing of vessel			Lumpsum	1			
ii	Box up of Level Trolls	3"	150	No's	2			
iii	Box up of drain line assy.	2"	150	No's	6			
v	Installation of man-way	24	150	No's	1			
7	External Cleaning and flushing of lube oil coolers of PRCP-A,B & C.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Wrapping of Fan motors with Polythene sheet (if required)			Nos	3			



ii	External Cleaning of Inter & After stage Fin Fan coolers with water & Detergent.	10' x 15' (Approx.)		Fin Fan Radiators	3		
<b>8</b>	<b>Cleaning and flushing of fin fans coolers of all 14 QICP compressors.</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>	
ii	External Cleaning of Inter & After stage Fin Fan coolers with water & Detergent.	10' x 30' (Approx.)		Fin Fan Radiators	14		
<b>9</b>	<b>Rectification of passing problem of XV-0105 A/B/C located at suction line of PRCP units A/B and C</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>	
i	Dismantling of XV-0105 A/B/C (16" Ball Valve RF)	16"	600	No's	3		
ii	Shifting of Valves to Mechanical Workshop	16"	600	No's	3		
iii	Dismantling of Valves for Servicing (16" Ball Valve RF)	16"	600	No's	3		
iv	Repair/Replacement of Valve kit for leakage rectification. (New valve repair kits will be provided if available)	16"	600	No's	3		
v	Leak Test of valves (For valve seat & seals)	16"	600	No's	3		
vi	Hydrotesting of valves (for Shell / Body)	16"	600	No's	3		
vii	Shifting of Valves to Site	16"	600	No's	3		
viii	Installation of Valves with Spiral wound Gasket 16" 600#	16"	600	No's	3		
<b>10</b>	<b>Provision for Fuel gas measurement for rental gas generators , Power house II</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>	
i	Cutting of Existing Line for Installation of Already Fabricated valves assy.	3"	40	No's	2		
ii	Welding and Installation of Already Fabricated valves assy.	3"	40	Joints	2	6	
<b>11</b>	<b>Extention of LP&amp;HP Turbo Compressor local drain lines at PRCP</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>	
	Pre-Fabrication of 1", CS piping Assy. Socket Welds at O3 Turbines	1"	40	Joints	100	100	
<b>12</b>	<b>Provision of Drain point at PRCP Suction Common header and extend to the local drain pit.</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>	
i	Pre-Fabrication of 2" Pipe Spool	2"	80	Joints	8	16	
ii	Installation of Weldolet 2" x 26" at Suction header of PRCP	2"	80	Joints	1	2	
iii	Installation of Pre-Fabricated Spool 2" (Bolted Joints)	2"	80	Joints	3	6	
<b>13</b>	<b>Provision of flare line on fuel gas header at Power house II</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>	
i	Pre-Fabrication of 3" Spool piece	3"	80	Joints	7	21	
ii	Installation of 24" x3" weldolet at Flare Header	3"	80	Joints	1	3	
iii	Welding / Installation of 3" Spool piece at Field	3"	80	Joints	4	12	

iv	Bolting / Installation of 3" Ball Valve with SW Gasket	3"	80	No's	1			
<b>14</b>	<b>Provision of By pass line of ESDV-002 &amp; ESDV-003 (QICP waukesha engines fuel gas ON/OFF valve)</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Blinding of 3" Fuel Gas Line	3"	150	UOM	1			
ii	Pre-Fabrication of Pipe Spool 3" dia	3"	40	Joints	12	36		
iii	Welding / Installation of Pipe 3" on site	3"	40	Joints	5	15		
iv	Installation of Valves with Ring Type Gaskets 3" RTJ 600#	3"	600	No's	2			
<b>15</b>	<b>Service and repair of bypass of Loading valves 2" (XV-0106 A/B/C) at PRCP units A/B/C</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Dismantling of 03 nos 2" RF 600# manual valves	2"	600	UOM	3			
ii	Repair of valves by installing new repair kits /Replace with new valves	2"	600	UOM	3			
iii	Testing and re-installation of dismantelled valves	2"	600	UOM	3			
<b>16</b>	<b>Service and repair of discharge valves 10" (XV-0113 A/B/C) at PRCP units A/B/C</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Dismantling of 03 nos 10" RF 600# control valves	10"	600	UOM	3			
ii	Repair of valves by installing new repair kits	10"	600	UOM	3			
iii	Testing and re-installation of dismantelled valves	10"	600	UOM	3			
<b>17</b>	<b>Relocation/Installation of 3"common isolation valve of PRCP produced water drain line from piping rack at ~20 ft height to an easily accessible location</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Cutting of 02 joints for relocation of 3" valve	3"	80	dia inch	2			
ii	Fabrication and welding/installation of 3"CS pipe spool	3"	80	Joints	2	6		
iii	Cutting/Welding /Installation of 3" RTJ 600# CS flanges on site (Relocation)	3"	80	Joints	2			
iv	Installation of Valves with Ring Type Gaskets 3" RTJ 600#	3"	600	No	1			
<b>18</b>	<b>Provision of 3" isolation valve of QICP produced water drain line near A-1301 for positive isolation of QICP Area in case of any leakage</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Cutting/Welding /Installation of 3" RTJ 600# CS flanges	3"	80	Joints	2	6		
ii	Installation of Valves with Ring Type Gaskets 3" RTJ 600#	3"	600	No's	1			
<b>19</b>	<b>Installation of Tie-In ponits FC-101 Inlet/Outlet, I.A, CD, PW, FL etc</b>	<b>Size</b>	<b>lb/Sch.</b>	<b>UOM</b>	<b>Qty</b>	<b>Welding Dia-Inch</b>		
i	Installation of gas inlet/outlet Tie-Ins	26"	80	Joints	12	312		
ii	Installation of PW/CD/FL Tie-Ins	2"	80	Joints	14	28		
iii	Installation of Inst. Air Tie-Ins	3"	40	Joints	6	18		

iv	Installation of 26" ball valves & Blinds.	26"	600	No's	2	26	
v	Installation of 2" & 3" valves	2" & 3"	150/600	No's	4	4	
SUB TOTAL (including all taxes except PST/ICT) (Mech. SOW, Complete FEC) =							

Sr.#	Equipment Tag No.	Equipment Description	Equipment Type	Equipment / Component Material Specification	Design Thickness (mm)	Contents/Fluids	Internal Dia (mm)	Length (mm)	Year Of manufacture
1	FC-9004	Feed Gas Separator/Filter Coalescer	Vessel	SA-516 Gr 70	83	Raw Gas	3220	8366	2002
2	V-9209	Regeneration Gas Scrubber	Vessel	SA-516 Gr. 70 + NACE MR01075 3mm SS 316L Weld Overlay	20 Shell 22 Head	Region. Gas	694	2488	2021
3	E-9301	Regeneration Gas Heater	Heater	A-106 Gr.B	7.62	Raw Gas(MG out)	88.8	See As Built Darling of AJC	Nov.2016
4	E-9901	Regeneration Gas Heater	Heater	ASTM A 106 Gr B	7.62	Raw Gas(MG out)	88.9	See As Built Darling of OEM	2005
5	V-2003	Condensate/Water Separator	Vessel	SA-516 Gr.70	14	Produced water/condensate	1811	4900	1994
6	V-2013	Condensate Water Separator	Vessel	SA-516 Gr.70	14	Produced water/condensate	2136	5450	2002
7	V-2729	Fourth Stage Suction Scrubber K-2721 Turbine	Vessel	SA-516 Gr.70	Not available	Permeate Gas	1100	2400	2009

SUB TOTAL (including all taxes except PST/ICT) (Inspect

**Note:**

- 1 All material i-e Gaskets etc required for Inspection of these vessels has already been summarized in Cleaning & Flushing activity of these material is required.
- 2 Only scaffolding will be required in some portions of these vessels, which the contractor will conclude during visit prior to ATA.
- 3 NDT Inspection will be carried out by OGDCL 3rd Party M/s SGS.
- 4 Contractor will be responsible for Installation/Dismantling of scaffolding & piping/vessels Insulation.

Sr #	Job Title	Scope Of Work	UOM	Quantity	Unit Price (including all taxes except PST/ICT)	Total amount (including all taxes)
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						except PST/ICT )
1	Cleaning and Servicing of Motor Control Module	<ul style="list-style-type: none"> <li>•Checking and retightening the module for loose connection, greasing of contacts</li> <li>•Checking and cleaning circuit breaker, magnetic contactor, overload relay, fuse, control circuit and power cables and replacement (if faulty).</li> </ul>	Nos.	100		
2	Cleaning and Servicing of UPS Panel and Batteries	<ul style="list-style-type: none"> <li>•Checking and retightening the UPS Panel and batteries terminals for loose connections</li> <li>•Cleaning of Panel and batteries, greasing of batteries terminals</li> </ul>	Nos.	13		
3	Maggering of Plant Motors along with Power Cables	<ul style="list-style-type: none"> <li>•Maggering of Motor windings and Power cables</li> <li>•Cleaning of Motors</li> </ul>	Nos.	100		
4	Cleaning and Servicing of Air Circuit Breaker	<ul style="list-style-type: none"> <li>•Inspection and cleaing of Operating mechanism of ACB</li> <li>•Cleaning of Main and Auxiliary contacts</li> </ul>	Nos.	12		
5	Cleaning and Servicing of Variable Frequency Drive(VFD)	<ul style="list-style-type: none"> <li>•Checking of fuses, Power and control cables and retightening of loose connections</li> <li>•Cleaning of Electronic Cards, Trasistors modules</li> </ul>	Nos.	10		
6	Cleaning and Servicing of Soft Starter	<ul style="list-style-type: none"> <li>•Checking of fuses, Power and control cables and retightening of loose connections</li> <li>•Cleaning of Electronic</li> </ul>	Nos.	3		

		Cards, Trasistors modules				
7	Cleaning and Servicing of Generators and Generator Control Panels	<ul style="list-style-type: none"> <li>•Checking and retightening the control and Power cables for loose connection</li> <li>•Checking and cleaning of circuit breakers, magnetic contactor, overload relay, control relays, fuse, control circuit and power cables and replacement (if faulty).</li> <li>•Testing and calibration of securities of Alternator and Engine</li> </ul>	Nos.	6		
8	Inspection and Retightening of Bus Tie Duct	<ul style="list-style-type: none"> <li>•Physical Inspection of BTD (Bus Tie Duct) lenght 32 ft</li> <li>•Checking and retightening of Bus Bar - nut bolts etc at MCC-1</li> </ul>	Nos.	1		
<b>SUB TOTAL (including all taxes except PST/ICT) (Elect. SOW) =</b>						

## INSTRUMENT SECTION WORK SCOPE FOR ATA-2021

Sr. No.	CONTRACTOR WORK SCOPE	Qty	Unit Price (including all taxes except PST/ICT)	Line Price (including all taxes except PST/ICT)
1	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)	65		
2	Complete Loop Calibration of Pressure,Flow, Temp & Level Including Transmitter,control valve ,positoner, I/P convertor Servicing And Calibration. (Size 1 to 6 Inch)	80		
3	FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation	19		
4	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.	43		
5	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.	244		
6	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)	54		
	<b>SUB TOTAL (Including all taxes except PST/ICT) (Inst. SOW; Scope Contractor) =</b>	<b>505</b>		

Note Mechanical will supervise the Dismantelling and reinstallation of all control valves/On-OFF valve and PSV above size 2".

**ACTIVITIES INSTRUMENT SECTION FOR ATA-2021**

Sr.No.	ATA-20	TAG	DESCRIPTION	PARENT	LOCATION	MANUFACTURER	MODEL/TYPE	S#.	RANGE	SIZE RATING	Activities	UNIT PRICE (including all taxes except PST/ICT)	LINE PRICE (including all taxes except PST/ICT)
1	1	1-FCV-01-02A	CONTROL VALVE	X-0102A	QP-AREA-10	NELES JAMESBURY	B1JA 20/70U/4210		3-15 PSIG	6" 600 RF	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
2	1	1-FCV-01-03A	CONTROL VALVE	X-0102A	QP-AREA-10	NELES JAMESBURY	B1JA 20/70U/4210		3-15 PSIG	4" 600 RF	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
3	1	1-LCV-01-04A	CONTROL VALVE	X-0102A	QP-AREA-10	FISHER	667.30/E Z.1"/582i		3-15 PSIG	1" 600 RF	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
4	1	1-LCV-01-09A	CONTROL VALVE	X-0102A	QP-AREA-10	FISHER	667.30/E Z.1"/582i		3-15 PSI	1" 600 RF	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
5	1	1-PDCV-201M	CONTROL VALVE	X-0102A	QP-AREA-10	NIIGATA MASON EILANCO.	27-28130-5		3-15 PSI	1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
6	1	1-PDCV-301M	CONTROL VALVE	X-0102A	QP-AREA-10	NIIGATA MASON EILANCO.	27-28130-5		3-15 PSI	1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
7	1	1-PV-01-05A	CONTROL VALVE	X-0102A	QP-AREA-10	FISHER	1031-A11-PMV2020		3-15 PSIG	14" 600 RF	Dismantling, Servicing and Maintenance (Lapping, Parts		

											Change If Required, Leak Testing and final Calibration and Reinstallation.		
8	1	1-PV-02-35A	CONTROL VALVE	X-0102A	QP-ARE A-10	FISHER	657/ED.3"/3582i	15007801	3-15 PSIG	3" 600 RF	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
9	1	2-FCV-01-02B	CONTROL VALVE	X-0102B	QP-ARE A-10	NELES JAMESBURY	B1JA 20/70U/4210		3-15 PSIG	6" 600 RF	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
10	1	2-FCV-01-03B	CONTROL VALVE	X-0102B	QP-ARE A-10	NELES JAMESBURY	B1JA 20/70U/4210		3-15 PSIG	4" 600 RF	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
11	1	2-LCV-01-04B	CONTROL VALVE	X-0102B	QP-ARE A-10	FISHER	667.30/EZ.1"/582i		3-15 PSIG	1" 600 RF	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
12	1	2-LCV-01-09B	CONTROL VALVE	X-0102B	QP-ARE A-10	FISHER	667.30/EZ.1"/582i		3-15 PSIG	1" 600 RF	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
13	1	2-PDCV-201M	CONTROL VALVE	X-0102B	QP-ARE A-10	NIIGATA MASON EILAN CO.	27-28130-5		3-15 PSI	1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
14	1	2-PDCV-301M	CONTROL VALVE	X-0102B	QP-ARE A-10	NIIGATA MASON EILAN CO.	27-28130-5		3-15 PSI	1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		



15	1	2-PV-01-05B	CONTROL VALVE	X-0102B	QP-ARE A-10	FISHER	1031-A11-PMV2020		3-15 PSIG	14" 600 RF	Dismantling, Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration and Reinstallation.		
16	1	2-PV-02-35B	CONTROL VALVE	X-0102B	QP-ARE A-10	FISHER	657/ED.3"/3582i	15007802	3-15 PSIG	3" 600 RF	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
17	1	3-FCV-01-02C	CONTROL VALVE	X-0102C	QP-ARE A-10	NELES JAMESBURY	B1JA 20/70U/4210		3-15 PSIG	6" 600 RF	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
18	1	3-FCV-01-03C	CONTROL VALVE	X-0102C	QP-ARE A-10	NELES JAMESBURY	B1JA 20/70U/4210		3-15 PSIG	4" 600 RF	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
19	1	3-LCV-01-04C	CONTROL VALVE	X-0102C	QP-ARE A-10	FISHER	667.30/E Z.1"/582i		3-15 PSIG	1" 600 RF	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
20	1	3-LCV-01-09C	CONTROL VALVE	X-0102C	QP-ARE A-10	FISHER	667.30/E Z.1"/582i		3-15 PSIG	1" 600 RF	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
21	1	3-PDCV-201M	CONTROL VALVE	X-0102C	QP-ARE A-10	NIIGATA MASON EILAN CO.	27-28130-5		3-15 PSI	1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
22	1	3-PDCV-301M	CONTROL VALVE	X-0102C	QP-ARE A-10	NIIGATA MASON EILAN CO.	27-28130-5		3-15 PSI	1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak		

											Testing, Re installation And Calibration.		
23	1	3-PV-01-05C	CONTR OL VALVE	X-0102C	QP-ARE A-10	FISHER	1031-A11-PMV2020		3-15 PSIG	14" 600 RF	Dismantling, Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration and Reinstallation.		
24	1	3-PV-02-35C	CONTR OL VALVE	X-0102C	QP-ARE A-10	FISHER	657/ED.3 "/3582i	15007803	3-15 PSIG	3" 600 RF	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
25	11	20-FCV-107	CONTR OL VALVE	V-2003	QP-ARE A-20	NUOVO PIG NONE	UPC/11/NXP1/FR 20.1 BELL OFRAM		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
26	11	20-FCV-207	CONTR OL VALVE	V-2013	QP-ARE A-20	MASONEILAN	88-21114 1.5"		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
27	1	20-LCV-106	CONTR OL VALVE	V-2003	QP-ARE A-20	NUOVO PIGNONE	UPC/13/NXP1	8001636/88	0 - 3 PSI	2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
28	11	20-LCV-110	CONTR OL VALVE	V-2003	QP-ARE A-20	NUOVO PIG NONE	UPC.SP/11/NXP1		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
29	1	20-LCV-206	CONTR OL VALVE	V-2013	QP-ARE A-20	MASONEILAN	88.21124	MS P-10248-2-1		2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
30	11	20-LCV-220	CONTR OL VALVE	V-2013	QP-ARE A-20	MASONEILAN	88-21124 1.5"		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And		

											Calibration. (Size 1 to 6 Inch)		
31	1	20-PCV-102	CONTROL VALVE	M-2001	QP-ARE A-20	NUOVO PIGNONE	ULN.BI/13/NXP1/FR20.1	8001636/4	0-100 %	6" 600 RTJ	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
32	1	20-PCV-104	CONTROL VALVE	V-2003	QP-ARE A-20	NUOVO PIGNONE	UPC.SP/11/NXP1	8001636/10	0 - 3 PSI	1" 150 RF	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
33	1	20-PCV-204	CONTROL VALVE	V-2013	QP-ARE A-20	FISHER	657.30/EZ .1.5"	0016514047		1.5" 150 RF	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
34	1	20-PCV-9085	CONTROL VALVE	M-2001	QP-ARE A-20	FISHER	667.70/ET.6"/646	0016509279	0-100 %	6" 600 RTJ	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
35	1	20-PCV-9086	CONTROL VALVE	V-2023	QP-ARE A-20	FISHER	657.30/EZ 1"		3-15 PSIG	1" 150 RF	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
36	1	20-PCV-92201	CONTROL VALVE	M-2002	QP-ARE A-20	FISHER	667/ET.6	0017667795	3 - 15 PSI	6" 600 RTJ	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
37	11	26-FCV-92111	CONTROL VALVE	A-2613A-E	QP-ARE A-26	FISHER	G3010-00 DA M3WJ/67C FR-235		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
38	1	26-FCV-9603	CONTROL VALVE	A-2623A-C	QP-ARE A-26	BETTIS	GO1010 M3.00/646(FISHER)		3-15 PSIG	10" 600 RTJ	Dismantling, Servicing and Maintenance (Lapping, Parts Change If		

											Required, Leak Testing and final Calibration and Reinstallation.		
39	11	26-FCV-9623	CONTROL VALVE	A-2623A-C	QP-ARE A-26	BETTIS	GO1010 M3.00/646(FISHER)		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
40	11	26-LCV-1165	CONTROL VALVE	A-2651	QP-ARE A-26	ABB KENT	10.235J/G4.075M/P3300/X1004FA		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
41	11	26-LCV-1167	CONTROL VALVE	A-2651	QP-ARE A-26	ABB KENT	10.235J/G4.075M/P3300/X1004FA		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
42	11	26-LCV-1265	CONTROL VALVE	A-2661	QP-ARE A-26	ABB KENT	10.235J/G4.075M/P3300/X1004FA		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
43	11	26-LCV-1267	CONTROL VALVE	A-2661	QP-ARE A-26	ABB KENT	10.235J/G4.075M/P3300/X1004FA		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
44	1	26-PCV-102.	CONTROL VALVE	A-2603 A-E	QP-ARE A-26	PARCOL	1-2471 DR SIZE 20" CV 14200		3-15 PSIG	20" 600 RF	Dismantling, Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration and Reinstallation.		
45	1	26-PCV-104	CONTROL VALVE	A-2653	QP-ARE A-26	PARCOL	1.2471/1.X.271/2.4649/2.786		3-15 PSIG	10" 150 RF	Dismantling, Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration and Reinstallation.		
46	1	26-PCV-1180	CONTROL VALVE	A-2653	QP-ARE A-26	ABB KENT	12.834J/G4.075HM/P3300/X1004FA		3-15 PSIG	2" 600	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		

47	1	26-PCV-1280	CONTROL VALVE	A-2663	QP-ARE A-26	ABB KENT	12.834J/G4.075HM/P3300/X1004FA	3-15 PSIG	2" 600	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.
48	1	26-PCV-204	CONTROL VALVE	A-2663	QP-ARE A-26	PARCOL	1.2471/1.X.271/2.4649/2.786	3-15 PSIG	10" 150 RF	Dismantling, Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration and Reinstallation.
49	1	26-PCV-9704	CONTROL VALVE	A-2603 A-E	QP-ARE A-26	FISHER	1052.60/8532.14"/12P-100	3-15 PSIG	14" 150 RF	Dismantling, Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration and Reinstallation.
50	11	26-TCV-1272	CONTROL VALVE	A-2661	QP-ARE A-26	NUOVO PIG NONE	1600.B1/18/NXP1/FR20.1	3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)
51	11	27-FCV-1131	CONTROL VALVE	K-2701	QP-ARE A-27	NUOVO PIG NONE	UCH.BI/D IAPHRAM/SRP.981(ECKARDT)	3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)
52	11	27-FCV-1133	CONTROL VALVE	K-2701	QP-ARE A-27	NUOVO PIG NONE	UCH.BI/D IAPHRAM/SRP.981(ECKARDT)	3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)
53	11	27-FCV-1134	CONTROL VALVE	K-2701	QP-ARE A-27	NUOVO PIG NONE	UCH.BI/D IAPHRAM/SRP.981(ECKARDT)	3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)
54	11	27-FCV-1231	CONTROL VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	UCH.BI/D IAPHRAM/SRP.981(ECKARDT)	3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)
55	11	27-FCV-1232	CONTROL VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	UCH.BI/D IAPHRAM/SRP.9	3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter



65	11	27-LCV-107	CONTROL VALVE	K-2701	QP-ARE A-27	NUOVO PIG NONE	UPC.SP/1 1/NXP1/ FR20.1		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
66	11	27-LCV-201	CONTROL VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	UPC.SP/1 1		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
67	11	27-LCV-203	CONTROL VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	UPC.SP/1 1		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
68	11	27-LCV-205	CONTROL VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	UPC.SP/1 1		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
69	11	27-LCV-207	CONTROL VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	UPC.SP/1 1/NXP1/ FR20.1		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
70	11	27-LCV-311	CONTROL VALVE	K-2721	QP-ARE A-27	FLOW SERVE			3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
71	11	27-LCV-321	CONTROL VALVE	K-2721	QP-ARE A-27	FLOW SERVE			3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
72	11	27-LCV-331	CONTROL VALVE	K-2721	QP-ARE A-27	FLOW SERVE			3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
73	11	27-LCV-341	CONTROL VALVE	K-2721	QP-ARE A-27	FLOW SERVE			3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
74	1	27-PDCV-1101	CONTROL VALVE	K-2701	QP-ARE A-27	NUOVO PIG NONE	UNIV.SPEC		3-15 PSIG	1.5" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance		

											(Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
75	1	27-PDCV-1102	CONTROL VALVE	K-2701	QP-ARE A-27	NUOVO PIG NONE	UNIV.SPEC		3-15 PSIG	1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
76	1	27-PDCV-1201	CONTROL VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	UNIV.SPEC		3-15 PSIG	1.5" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
77	1	27-PDCV-1202	CONTROL VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	UNIV.SPEC		3-15 PSIG	1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
78	11	27-TCV-1151	CONTROL VALVE	K-2701	QP-ARE A-27	FISHER			3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
79	11	27-TCV-1251	CONTROL VALVE	K-2711	QP-ARE A-27	FISHER			3-15 PSIG		CONTROL VALVE Complete Loop of temp. Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
80	11	30-PCV-102	CONTROL VALVE	A-3001	QP-ARE A-30	PARCOL	1.2411/1 .X.271/2. 4649/2.7 86		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
81	1	30-PCV-103	CONTROL VALVE	A-3001	QP-ARE A-30	NUOVO PIG NONE	ULN.B1/1 8/NXP1/ FR20.1 D AFRAM/ 67CFR-226		3-15 PSIG	6" 600 RTJ	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		



82	11	30-PCV-553	CONTROL VALVE	A-3021	QP-ARE A-30	NORRI SEAL AZBIL	RJN 14-TGN-L8NX				CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
83	11	30-PCV-554A	CONTROL VALVE	A-3021	QP-ARE A-30	NORRI SEAL U.S.A	RJN 14-BGN-L8NX				CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
84	11	30-PCV-554B	CONTROL VALVE	A-3021	QP-ARE A-30	NORRI SEAL U.S.A	RJN 14-BGN-L8NX				CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
85	11	30-PCV-555	CONTROL VALVE	A-3021	QP-ARE A-30		RJN 14TGN-L2NX				CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
86	11	30-PCV-92112	CONTROL VALVE	A-3001	QP-ARE A-30	FISHER	G4020SR 3CW		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
87	1	30-PCV-9709	CONTROL VALVE	A-3001	QP-ARE A-30	FISHER	657/ET.6 "		3-15 PSI	6" 600 RTJ	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
88	11	40-LCV-108	CONTROL VALVE	V-4001	QP-ARE A-40	NUOVO PIG NONE	UPC/1		3-15 PSI		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
89	11	44-LCV-101	CONTROL VALVE	T-4405A	QP-ARE A-44	NUOVO PIG NONE	UPC/11/NXP1/FR 20.1 DAF ROM		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
90	11	50-PCV-101	CONTROL VALVE	M-5002	QP-ARE A-50	NUOVO PIG NONE	UCH/13/NXP1/20 FR.1 BELL OWFRAM		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
91	11	53-LCV-101	CONTROL VALVE	V-5300	QP-ARE A-53	NUOVO PIG NONE	UPC.SP/11/NXP1/FR20.1 B		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter		

							ELLOFRAM				3-15 PSIG		2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
92	11	53-LCV-102	CONTROL VALVE	V-5302	QP-ARE A-53	NUOVO PIG NONE	UPC.SP/11/NXP1/FR20.1 BELLOFRAM				3-15 PSIG			CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
93	11	53-LCV-9092	CONTROL VALVE	V-6300	QP-ARE A-53	MASONEILAN	88-21814 1"				3-15 PSIG			CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
94	1	53-PCV-101/PCV 9708	CONTROL VALVE	V-5300	QP-ARE A-53	Fisher	UCH/11/NXP1/FR 20.1 BELL OFRAM				3-15 PSIG		2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
95	1	53-PCV-102	CONTROL VALVE	V-5302	QP-ARE A-53	NUOVO PIG NONE	UCH/11/NXP1/FR 20.1 BELL OFRAM				3-15 PSIG		1' 300 RF	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
96	1	53-PCV-9092	CONTROL VALVE	V-6300	QP-ARE A-53	FISHER	667/EZ.1 "				3-15 PSIG		1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
97	11	53-PCV-9708.	CONTROL VALVE	V-5300	QP-ARE A-53	FISHER	776.45/E Z.2"/358 2				3-15 PSIG			CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
98	11	90-LCV-9061	CONTROL VALVE	E-9003	QP-ARE A-90	FISHER	1052.40/V500.3"/DVC5020				4-20 MA			CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
99	1	90-LCV-9075	CONTROL VALVE	FC-9004	QP-ARE A-90	FISHER	667.40/E Z.2"/DVC 5010	EU 03 29 88 99			102 bar		2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts		

											Change If Required, Leak Testing, Re installation And Calibration.		
100	1	90-LCV-9077	CONTROL VALVE	FC-9004	QP-ARE A-90	FISHER	667.40/E Z.1.5"/D VC5010	EU 03 29 89 00	102 bar	1.5" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
101	1	90-LCV-9081 A	CONTROL VALVE	V-9000A /B	QP-ARE A-90	MASONEILAN	88.21124	MS P-10 24 8-6-1		1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
102	1	90-LCV-9081 B	CONTROL VALVE	V-9000A /B	QP-ARE A-90	MASONEILAN	88.21124	MS P-10 24 8-7-1		1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
103	1	90-PCV-9074	CONTROL VALVE	E-9002A /B	QP-ARE A-90	FISHER	1052.60+ V500.2"/DVC5020	EU 03 30 23 23	90%	2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
104	11	90-TCV-9056.1	CONTROL VALVE	E-9002A /B	QP-ARE A-90	FISHER	1052.70/V300B.12 "/DVC50 20		3-15 PSI		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
105	11	90-TCV-9056.2	CONTROL VALVE	E-9002A /B	QP-ARE A-90	FISHER	1052.70/V300B.12 "/DVC50 20		3-15 PSI		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
106	11	91-PCV-9106	CONTROL VALVE	K-9101A	QP-ARE A-91	FISHER	657.34/1 0185.2"/DVC 503 0		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		

107	11	91-PCV-9126	CONTROL VALVE	K-9101B	QP-ARE A-91	FISHER	657.34/10185.2"/DVC 5030		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
108	11	91-PCV-9146	CONTROL VALVE	K-9101C	QP-ARE A-91	FISHER	657.34/10185.2"/DVC 5030		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
109	11	91-PCV-9166	CONTROL VALVE	K-9101D	QP-ARE A-91	FISHER	657.34/10185.2"/DVC 5030		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
110	11	91-PCV-9171	CONTROL VALVE	E-9106A-D	QP-ARE A-91	FISHER	667.30/EZ.1"/DVC 5010/67CFR-225		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
111	11	91-TCV-9105	CONTROL VALVE	K-9101A	QP-ARE A-91	FISHER	10185.1"/DVC 5030		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
112	11	91-TCV-9125	CONTROL VALVE	K-9101B	QP-ARE A-91	FISHER	10185.1"/DVC 5030		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
113	11	91-TCV-9145	CONTROL VALVE	K-9101C	QP-ARE A-91	FISHER	10185.1"/DVC 5030		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
114	11	91-TCV-9165	CONTROL VALVE	K-9101D	QP-ARE A-91	FISHER	10185.1"/DVC 5030		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
115	11	91-TCV-9177	CONTROL VALVE	E-9105	QP-ARE A-91	FISHER	1052.33/V300.2'/DVC5030/67CFR		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
116	11	92-FCV-9271	CONTROL VALVE	K-9207	QP-ARE A-92	FISHER	1052.60/V500.4'/67CFR		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter		

											Servicing And Calibration. (Size 1 to 6 Inch)		
117	1	92-FCV-9273	CONTROL VALVE	K-9207	QP-ARE A-92	FISHER	667.70/E D.4"/DVC 5010		4-20 MA	4" 600 RTJ	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
118	1	92-LCV-9292 / LV-9777	CONTROL VALVE	V-9209	QP-ARE A-92	FISHER	667.30/E Z.1.5"/D VC5010		4-20 MA	1.5" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
119	1	92-PCV-9273	CONTROL VALVE	K-9207	QP-ARE A-92	FISHER	1052.40/ V500.2"/ DVC5020	EU 03 29 89 06		2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
120	11	93-FCV-9311	CONTROL VALVE	E-9301	QP-ARE A-93	MO IN DUST RIE	GTXN DN 127 90K4		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
121	11	93-PCV-9335	CONTROL VALVE	E-9301	QP-ARE A-93	FISHER	1018S DV C5040 W ITH FLOV UE 9000		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
122	11	93-TCV-9306	CONTROL VALVE	E-9301	QP-ARE A-93	FISHER	667.30+E Z.3"/ DV C5010		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
123	11	94-LCV-9422	CONTROL VALVE	E-9402	QP-ARE A-94	FISHER	1052.33V 500.1.5"/ DVC5020		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
124	11	94-TCV-9403	CONTROL VALVE	E-9402	QP-ARE A-94	FISHER	1050.60/ V500.6"/ DVC5020		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		

125	11	95-LCV-9522	CONTROL VALVE	E-9502	QP-ARE A-95	FISHER	1052.33V 500.1.5"/ DVC5020		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
126	11	95-TCV-9503	CONTROL VALVE	E-9502	QP-ARE A-95	FISHER	1050.60/ V500.6"/ DVC5020		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
127	1	97-LCV-9700A	CONTROL VALVE	V-9700A/B	QP-ARE A-97	SEVERN GLO CON L IMIT ED	SERIES 5 000		60-100 PSIG	1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
128	1	97-LCV-9700B	CONTROL VALVE	V-9700A/B	QP-ARE A-97	SEVERN GLO CON L IMIT ED	SERIES 5 000		60-100 PSIG	1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		
129	1	97-LCV-9709	CONTROL VALVE	V-9710	QP-ARE A-97	SEVERN GLO CON L TD	SERIES 5 000		3-15 PSIG	4" 600 RTJ	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
130	1	97-LCV-9710	CONTROL VALVE	V-9710	QP-ARE A-97	SEVERN GLO CON L TD	SERIES 5 000		3-15 PSIG	4" 150 RF	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.		
131	11	97-LCV-9761	CONTROL VALVE	E-9703	QP-ARE A-97	FISHER	1052.40/ V500.3"/ DVC5020		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
132	1	97-LCV-9775	CONTROL VALVE	V-9700A/B	QP-ARE A-97	FISHER	667.40/E Z.2"/DVC 5010	EU 03 45 73 09	60-100 PSIG	2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.		

133	1	97-LCV-9777	CONTROL VALVE	FC-9704	QP-ARE A-97	FISHER	667.40/EZ.1.5"/DVC5010	18 20 97 87	102 bar	1.5" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration.
134	1	97-PCV-9710	CONTROL VALVE	V-9710	QP-ARE A-97	SEVERN GLO CON L TD	SERIES 5 000		3-15 PSIG	6" 150 RF	Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration.
135	1	97-PCV-9763	CONTROL VALVE	E-9703	QP-ARE A-97	FISHER	1052.12"		4-20 MA	12" 300 RF	Dismantling, Servicing and Maintenance (Lapping, Parts Change If Required, Leak Testing and final Calibration and Reinstallation.
136	11	97-PCV-9774	CONTROL VALVE	FC-9704	QP-ARE A-97	FISHER	1052.60+V500.2"/DVC5020	EU 03 45 73 22	102 bar	6" 150 RF	CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)
137	11	97-TCV-9756.1	CONTROL VALVE	E-9702	QP-ARE A-97	FISHER	1052.70/V300B.12"/DVC5020		3-15 PSI		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)
138	11	97-TCV-9756.2	CONTROL VALVE	E-9702	QP-ARE A-97	FISHER	1052.70/V300B.12"/DVC5020		3-15 PSI		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)
139	11	98-FCV-9871	CONTROL VALVE	K-9807	QP-ARE A-98	FISHER	1052.60/V500.4"/67CFR		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)
140	11	98-FCV-9873	CONTROL VALVE	K-9807	QP-ARE A-98	FISHER	667.70/E D.4"/DVC 5010		4-20 MA	6" 600 RTJ	CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)
141	1	98-LCV-9892	CONTROL VALVE	V-9800	QP-ARE A-98	FISHER	667/30+ EZ.1.5"/DVC5010	EU 03 45 73 16	60-100 PSIG	2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If

											Required, Leak Testing, Re installation And Calibration.		
142	11	98-PCV-9873	CONTROL VALVE	K-9807	QP-ARE A-98	FISHER	1052.40/V500.2"/DVC5020	EU 03 45 73 20		2" 600 RTJ	CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
143	11	99-FCV-9911	CONTROL VALVE	E-9901	QP-ARE A-99	MO INDUSTRIE	GTXN DN 127 90K4		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
144	11	99-PCV-9935	CONTROL VALVE	E-9901	QP-ARE A-99	FISHER	1018S DVC5040 WITH FLOWUE 9000		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
145	11	99-TCV-9906	CONTROL VALVE	E-9901	QP-ARE A-99	FISHER	667.30+E 2.3"/DVC5010		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
146	1	20-FE-94000	FLOW ELEMENT ANNUBAR	M-2001	QP-ARE A-20	ROSEMOUNT	DFF+26S 200HA2S 0SA2COF C6SOFC6 CMS4CO				FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
147	1	26-FE-92100	FLOW ELEMENT ANNUBAR	A-2603 A-E	QP-ARE A-26	ROSEMOUNT	DFF+26S 200HA2S 0SA2COF C6SOFC6 CMS4CO		0-58.875 " WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
148	1	26-FE-92104	FLOW ELEMENT ANNUBAR	A-2603 A-E	QP-ARE A-26	ROSEMOUNT	DFF+26S 200HA2S 0SA2COF C6SOFC6 CMS4CO		0-22.735 " WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
149	1	26-FE-92105	FLOW ELEMENT ANNUBAR	A-2603 A-E	QP-ARE A-26	ROSEMOUNT	DFF+26S 200HA2S 0SA2COF C6SOFC6 CMS4CO		0-79.075 " WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
150	1	26-FE-92106	FLOW ELEMENT ANNUBAR	A-2613A -E	QP-ARE A-26	ROSEMOUNT	DFF+26S 200HA2S 0SA2COF C6SOFC6 CMS4CO		0-58.875 " WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
151	1	26-FE-92110	FLOW ELEMENT ANNUBAR	A-2613A -E	QP-ARE A-26	ROSEMOUNT	DFF+26S 200HA2S 0SA2COF C6SOFC6 CMS4CO		0-22.735 " WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection,		



											Services and Re installation		
152	1	26-FE-92111	FLOW ELEMENT ANNUBAR	A-2613A-E	QP-ARE A-26	ROSE MOUNT	DFF+26S 200HA2S 0SA2COF C6SOFC6 CMS4CO		0-79.075 " WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
153	1	26-FE-9601	FLOW ELEMENT ANNUBAR	A-2623A-C	QP-ARE A-26	ROSE MOUNT	DFF+26S 200HA2S 0SA2COF C6SOFC6 CMS4CO		0 - 37.0 59 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
154	1	26-FE-9603	FLOW ELEMENT ANNUBAR	A-2623A-C	QP-ARE A-26	ROSE MOUNT	DFF+26S 200HA2S 0SA2COF C6SOFC6 CMS4CO		0-28.493 " WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
155	1	26-FE-9604	FLOW ELEMENT ANNUBAR	A-2623A-C	QP-ARE A-26	ROSE MOUNT	DFF+26S 200HA2S 0SA2COF C6SOFC6 CMS4CO		0-8.6176 " H2O		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
156	1	26-FE-9611A	FLOW ELEMENT ANNUBAR	A-2623A-C	QP-ARE A-26	ROSE MOUNT	PBF+26S. 100.HAM SO.C000 0.F99SO. F990.2.A. 1.A.MS4S 0.2.IDL.Q 99		0-65.295 " WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
157	1	26-FE-9611B	FLOW ELEMENT ANNUBAR	A-2623A-C	QP-ARE A-26	ROSE MOUNT	PBF+26S. 100.HAM SO.C000 0.F99SO. F990.2.A. 1.A.MS4S 0.2.IDL.Q 99		0-65.295 " WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
158	1	26-FE-9611C	FLOW ELEMENT ANNUBAR	A-2623A-C	QP-ARE A-26	ROSE MOUNT	PBF+26S. 100.HAM SO.C000 0.F99SO. F990.2.A. 1.A.MS4S 0.2.IDL.Q 99		0-65.295 " WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
159	1	26-FE-9612A	FLOW ELEMENT ANNUBAR	A-2623A-C	QP-ARE A-26	ROSE MOUNT	PBF.26S. 100.HAM SO.C000 0F99SO.F 990.2.A.1 .A.MS4S0 .2.IDL.Q9 9		0-50.362 " WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
160	1	26-FE-9612B	FLOW ELEMENT ANNUBAR	A-2623A-C	QP-ARE A-26	ROSE MOUNT	PBF.26S. 100.HAM SO.C000 0F99SO.F 990.2.A.1 .A.MS4S0 .2.IDL.Q9 9		0-50.362 " WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		

161	1	26-FE-9612C	FLOW ELEMENT ANNUBAR	A-2623A-C	QP-ARE A-26	ROSE MOUNT	PBF.26S.100.HAM SO.C000 0F99SO.F 990.2.A.1 .A.MS450 .2.IDL.Q99		0-50.362 " WC			FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
162	1	90-FE-9001	FLOW ELEMENT ANNUBAR	E-9001A/B	QP-ARE A-90	ROSE MOUNT	DFF+26S 200HA2S 0SA2COF C6SOFC6 CMS4CO		0-50.275 " WC			FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
163	1	91-FE-9176	FLOW ELEMENT ANNUBAR	E-9105	QP-ARE A-91	ROSE MOUNT	PBF+26S 080 HAM SO C000 0 FB6SO		0.1-3.44 "WC			FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
164	1	91-FE-9180	FLOW ELEMENT ANNUBAR	K-9101A	QP-ARE A-91	ROSE MOUNT	PNF+10S.020.HAM SO.C1000 0.FAS.1.A .1.B3.1.I D					FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
165	1	20-LSH-104	LEVEL SWITCH	M-2001	QP-ARE A-20	DOM AZI	DB-3F		S.G. 0.71 / 1	2" 600 RTJ		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
166	1	20-LSHH-103.1	LEVEL SWITCH	M-2001	QP-ARE A-20	DOM AZI	DB-3F		0 - 15 PSI	2" 600 RTJ		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
167	1	20-LSHH-103.2	LEVEL SWITCH	M-2001	QP-ARE A-20	DOM AZI	DB-3F		0 - 14 PSI	2" 600 RTJ		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
168	1	20-LSHH-103.3	LEVEL SWITCH	M-2001	QP-ARE A-20	DOM AZI	DB-3F		0 - 16 PSI	2" 600 RTJ		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
169	1	20-LSHH-9220 1/1	LEVEL SWITCH	M-2002	QP-ARE A-20	MAGNETROL			0 - 100 H2O	2" 600 RTJ		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
170	1	20-LSHH-9220 1/2	LEVEL SWITCH	M-2002	QP-ARE A-20	MAGNETROL			0 - 40 H2O	2" 600 RTJ		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
171	1	20-LSHH-9220 1/3	LEVEL SWITCH	M-2002	QP-ARE A-20	MAGNETROL			0 - 40 H2O	2" 600 RTJ		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing,		

											Calibration and Re-installation.		
172	1	20-LSHH-9706	LEVEL SWITCH	V-2013	QP-ARE A-20				S.G. 0.7 1 / 1	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
173	1	20-LSLL-105	LEVEL SWITCH	M-2001	QP-ARE A-20	DOM AZI	DB-3F		0 - 16 H2O	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
174	1	20-LSLL-112	LEVEL SWITCH	V-2003	QP-ARE A-20	DOM AZI	DB-3F		0 - 40 H2O	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
175	1	20-LSLL-222	LEVEL SWITCH	V-2013	QP-ARE A-20	MAGNETROL	XN13-AO40-HB3			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
176	1	20-LSLL-9086	LEVEL SWITCH	V-2023	QP-ARE A-20	MAGNETROL	XN13-AO40-HB3			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
177	1	20-LSLL-92201	LEVEL SWITCH	M-2002	QP-ARE A-20	FINE T EK			0 - 150H2O	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
178	1	27-LSHH-102	LEVEL SWITCH	K-2701	QP-ARE A-27	DOM AZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
179	1	27-LSHH-104	LEVEL SWITCH	K-2701	QP-ARE A-27	DOM AZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
180	1	27-LSHH-106	LEVEL SWITCH	K-2701	QP-ARE A-27	DOM AZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
181	1	27-LSHH-108	LEVEL SWITCH	K-2701	QP-ARE A-27	DOM AZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
182	1	27-LSHH-202	LEVEL SWITCH	K-2711	QP-ARE A-27	DOM AZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing,		

											Calibration and Re-installation.		
183	1	27-LSHH-204	LEVEL SWITCH	K-2711	QP-ARE A-27	DOM AZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
184	1	27-LSHH-206	LEVEL SWITCH	K-2711	QP-ARE A-27	DOM AZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
185	1	27-LSHH-208	LEVEL SWITCH	K-2711	QP-ARE A-27	DOM AZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
186	1	41-LSHH-102	LEVEL SWITCH	V-4102	QP-ARE A-41	DOM AZI	DB-3F			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
187	1	41-LSLL-103	LEVEL SWITCH	V-4102	QP-ARE A-41	DOM AZI	DB-3F			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
188	1	90-LSHH-9074.1	LEVEL SWITCH	FC-9004	QP-ARE A-90	MAG NETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
189	1	90-LSHH-9074.2	LEVEL SWITCH	FC-9004	QP-ARE A-90	MAG NETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
190	1	90-LSHH-9074.3	LEVEL SWITCH	FC-9004	QP-ARE A-90	MAG NETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
191	1	90-LSHH-9076.1	LEVEL SWITCH	FC-9004	QP-ARE A-90	MAG NETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
192	1	90-LSHH-9076.2	LEVEL SWITCH	FC-9004	QP-ARE A-90	MAG NETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
193	1	90-LSHH-9076.3	LEVEL SWITCH	FC-9004	QP-ARE A-90	MAG NETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing,		

											Calibration and Re-installation.			
194	1	90-LSHH-9081 A.1	LEVEL SWITCH	V-9000A	QP-ARE A-90	MAGNETROL	XH13-AO60-HB3				2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
195	1	90-LSHH-9081 A.2	LEVEL SWITCH	V-9000A	QP-ARE A-90	MAGNETROL	XH13-AO60-HB3				2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
196	1	90-LSHH-9081 A.3	LEVEL SWITCH	V-9000A	QP-ARE A-90	MAGNETROL	XH13-AO60-HB3				2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
197	1	90-LSHH-9081 B.1	LEVEL SWITCH	V-9000B	QP-ARE A-90	MAGNETROL	XH13-AO60-HB3				2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
198	1	90-LSHH-9081 B.2	LEVEL SWITCH	V-9000B	QP-ARE A-90	MAGNETROL	XH13-AO60-HB3				2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
199	1	90-LSHH-9081 B.3	LEVEL SWITCH	V-9000B	QP-ARE A-90	MAGNETROL	XH13-AO60-HB3				2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
200	1	90-LSLL-9075	LEVEL SWITCH	FC-9004	QP-ARE A-90	MAGNETROL	XN15-1V50-WK5			S.G. 0.71 / 0.05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
201	1	90-LSLL-9077	LEVEL SWITCH	FC-9004	QP-ARE A-90	MAGNETROL	XN15-1V60-WK5			S.G. 0.71 / 0.05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
202	1	90-LSLL-9081 A	LEVEL SWITCH	V-9000A	QP-ARE A-90	MAGNETROL	XH13-AO60-HB3				2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
203	1	90-LSLL-9081 B	LEVEL SWITCH	V-9000B	QP-ARE A-90	MAGNETROL	XH13-AO60-HB3				2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
204	1	92-LSHH-9291.1	LEVEL SWITCH	V-9209	QP-ARE A-92	MAGNETROL	XN15-1V60-WK5			50 - 110 PSI	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing,		

											Calibration and Re-installation.		
205	1	92-LSHH-9291.2	LEVEL SWITCH	V-9209	QP-ARE A-92	MAGNETROL	XN15-1V60-WK5		50 - 110 PSI	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
206	1	92-LSHH-9291.3	LEVEL SWITCH	V-9209	QP-ARE A-92	MAGNETROL	XN15-1V60-WK5		60-100 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
207	1	92-LSLL-9292	LEVEL SWITCH	V-9209	QP-ARE A-92	MAGNETROL	XN15-1V60-WK5		60-100 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
208	1	1-XV-01-05A	ON-OFF VALVE	X-0102A	QP-ARE A-10	SERVO VALVE	DN 16"600CL ASS RF		50 - 110 PSI	16" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
209	1	1-XV-01-06A	ON-OFF VALVE	X-0102A	QP-ARE A-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
210	1	1-XV-01-07A	ON-OFF VALVE	X-0102A	QP-ARE A-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
211	1	1-XV-01-09A	ON-OFF VALVE	X-0102A	QP-ARE A-10	EL-O-MATIC	471-5/YS		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
212	1	1-XV-01-11A	ON-OFF VALVE	X-0102A	QP-ARE A-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
213	1	1-XV-01-13A	ON-OFF VALVE	X-0102A	QP-ARE A-10	EL-O-MATIC	MO-520		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
214	1	1-XV-01-14A	ON-OFF VALVE	X-0102A	QP-ARE A-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
215	1	1-XV-01-15A	ON-OFF VALVE	X-0102A	QP-ARE A-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
216	1	1-XV-01-23A	ON-OFF VALVE	X-0102A	QP-ARE A-10	FISHER	585C/YS		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
217	1	2-XV-01-05B	ON-OFF VALVE	X-0102B	QP-ARE A-10	SERVO VALVE	DN 16"600CL ASS RF		341 PSIG	16" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
218	1	2-XV-01-06B	ON-OFF VALVE	X-0102B	QP-ARE A-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
219	1	2-XV-01-07B	ON-OFF VALVE	X-0102B	QP-ARE A-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
220	1	2-XV-01-09B	ON-OFF VALVE	X-0102B	QP-ARE A-10	EL-O-MATIC	471-5/YS		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
221	1	2-XV-01-11B	ON-OFF VALVE	X-0102B	QP-ARE A-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
222	1	2-XV-01-13B	ON-OFF VALVE	X-0102B	QP-ARE A-10	EL-O-MATIC	MO-520		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
223	1	2-XV-01-14B	ON-OFF VALVE	X-0102B	QP-ARE A-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
224	1	2-XV-01-15B	ON-OFF VALVE	X-0102B	QP-ARE A-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
225	1	2-XV-01-23B	ON-OFF VALVE	X-0102B	QP-ARE A-10	FISHER	585C/YS		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
226	1	3-XV-01-05C	ON-OFF VALVE	X-0102C	QP-ARE A-10	SERVO VALVE	DN 16"600CL ASS RF		362 PSIG	16" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
227	1	3-XV-01-06C	ON-OFF VALVE	X-0102C	QP-ARE A-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
228	1	3-XV-01-07C	ON-OFF VALVE	X-0102C	QP-ARE A-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
229	1	3-XV-01-09C	ON-OFF VALVE	X-0102C	QP-ARE A-10	EL-O-MATIC	471-5/YS		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
230	1	3-XV-01-11C	ON-OFF VALVE	X-0102C	QP-ARE A-10	EL-O-MATIC	MO-520		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
231	1	3-XV-01-13C	ON-OFF VALVE	X-0102C	QP-ARE A-10	EL-O-MATIC	MO-520		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
232	1	3-XV-01-14C	ON-OFF VALVE	X-0102C	QP-ARE A-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
233	1	3-XV-01-15C	ON-OFF VALVE	X-0102C	QP-ARE A-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
234	1	3-XV-01-23C	ON-OFF VALVE	X-0102C	QP-ARE A-10	FISHER	585C/YS		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
235	1	01-BDV-009	ON-OFF VALVE	A-1301	QP-ARE A-13	TYCO FLOW CONTROL	B – 100 U – S061 / A – 105 N		3-15 PSIG	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
236	1	01-BDV-017	ON-OFF VALVE	A-1301	QP-ARE A-13	TYCO FLOW CONTROL	57333		3-15 PSIG	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
237	1	01-BDV-019	ON-OFF VALVE	A-1301	QP-ARE A-13	TYCO FLOW CONTROL	57333		3-15 PSIG	2"	ON-OFF Valve Servicing, Cleaning, Function Test of		



											Actuator, Sov And Limit Switches.		
238	1	01-ESDV-001	ON-OFF VALVE	A-1301	QP-ARE A-13	TYCO FLOW CONTROL	57335		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
239	1	01-ESDV-019	ON-OFF VALVE	A-1301	QP-ARE A-13	TYCO FLOW CONTROL	C - 345 - D000 /A - 350 LF2		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
240	1	01-ESDV-033	ON-OFF VALVE	A-1301	QP-ARE A-13	TYCO FLOW CONTROL	PR 67 H R / A - 1 05 N		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
241	1	01-ESDV-2040	ON-OFF VALVE	A-1301	QP-ARE A-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
242	1	02-BDV-020	ON-OFF VALVE	A-1302	QP-ARE A-13	TYCO FLOW CONTROL	57333		3-15 PSIG	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
243	1	02-ESDV-020	ON-OFF VALVE	A-1302	QP-ARE A-13	TYCO FLOW CONTROL	C - 345 - D000 /A - 350 LF2		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
244	1	02-ESDV-034	ON-OFF VALVE	A-1302	QP-ARE A-13	TYCO FLOW CONTROL	PR 67 H R / A - 1 05 N		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
245	1	02-ESDV-2040	ON-OFF VALVE	A-1302	QP-ARE A-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
246	1	03-BDV-021	ON-OFF VALVE	A-1303	QP-ARE A-13	TYCO FLOW CONTROL	57333		3-15 PSIG	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
247	1	03-ESDV-021	ON-OFF VALVE	A-1303	QP-ARE A-13	TYCO FLOW CONTROL	C - 345 - D000 /A - 350 LF2		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
248	1	03-ESDV-035	ON-OFF VALVE	A-1303	QP-ARE A-13	TYCO FLOW CONTROL	PR 67 H R / A - 1 05 N		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
249	1	03-ESDV-2040	ON-OFF VALVE	A-1303	QP-ARE A-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
250	1	04-BDV-022	ON-OFF VALVE	A-1304	QP-ARE A-13	TYCO FLOW CONTROL	57333		4-20mA	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
251	1	04-ESDV-022	ON-OFF VALVE	A-1304	QP-ARE A-13	TYCO FLOW CONTROL	C - 345 - D000 /A - 350 LF2		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
252	1	04-ESDV-036	ON-OFF VALVE	A-1304	QP-ARE A-13	TYCO FLOW CONTROL	PR 67 H R / A - 1 05 N		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
253	1	04-ESDV-2040	ON-OFF VALVE	A-1304	QP-ARE A-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
254	1	05-BDV-023	ON-OFF VALVE	A-1305	QP-ARE A-13	TYCO FLOW CONTROL	57333		3-15 PSIG	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
255	1	05-ESDV-023	ON-OFF VALVE	A-1305	QP-ARE A-13	TYCO FLOW CONTROL	C - 345 - D000 /A - 350 LF2		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
256	1	05-ESDV-037	ON-OFF VALVE	A-1305	QP-ARE A-13	TYCO FLOW CONTROL	PR 67 H R / A - 1 05 N		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
257	1	05-ESDV-2040	ON-OFF VALVE	A-1305	QP-ARE A-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
258	1	06-BDV-024	ON-OFF VALVE	A-1306	QP-ARE A-13	TYCO FLOW CONTROL	57333		4-20 MA	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
259	1	06-ESDV-024	ON-OFF VALVE	A-1306	QP-ARE A-13	TYCO FLOW CONTROL	C - 345 - D000 /A - 350 LF2		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
260	1	06-ESDV-038	ON-OFF VALVE	A-1306	QP-ARE A-13	TYCO FLOW CONTROL	PR 67 HR / A – 105 N		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
261	1	06-ESDV-2040	ON-OFF VALVE	A-1306	QP-ARE A-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
262	1	07-BDV-025	ON-OFF VALVE	A-1307	QP-ARE A-13	TYCO FLOW CONTROL	57333		3-15 PSI	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
263	1	07-ESDV-025	ON-OFF VALVE	A-1307	QP-ARE A-13	TYCO FLOW CONTROL	C - 345 - D000 /A – 350 LF2		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
264	1	07-ESDV-039	ON-OFF VALVE	A-1307	QP-ARE A-13	TYCO FLOW CONTROL	PR 67 HR / A – 105 N		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
265	1	07-ESDV-2040	ON-OFF VALVE	A-1307	QP-ARE A-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
266	1	08-BDV-026	ON-OFF VALVE	A-1308	QP-ARE A-13	TYCO FLOW CONTROL	57333		4-20 MA	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
267	1	08-ESDV-026	ON-OFF VALVE	A-1308	QP-ARE A-13	TYCO FLOW CONTROL	C - 345 - D000 /A – 350 LF2		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
268	1	08-ESDV-040	ON-OFF VALVE	A-1308	QP-ARE A-13	TYCO FLOW CONTROL	PR 67 HR / A – 105 N		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
269	1	08-ESDV-2040	ON-OFF VALVE	A-1308	QP-ARE A-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
270	1	09-BDV-027	ON-OFF VALVE	A-1309	QP-ARE A-13	TYCO FLOW CONTROL	57333			2"	ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
271	1	09-ESDV-027	ON-OFF VALVE	A-1309	QP-ARE A-13	TYCO FLOW CONTROL	C - 345 - D000 /A - 350 LF2		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
272	1	09-ESDV-041	ON-OFF VALVE	A-1309	QP-ARE A-13	TYCO FLOW CONTROL	PR 67 H R / A - 1 05 N		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
273	1	09-ESDV-2040	ON-OFF VALVE	A-1309	QP-ARE A-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
274	1	10-BDV-028	ON-OFF VALVE	A-1310	QP-ARE A-13	TYCO FLOW CONTROL	57333			2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
275	1	10-ESDV-028	ON-OFF VALVE	A-1310	QP-ARE A-13	TYCO FLOW CONTROL	C - 345 - D000 /A - 350 LF2		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
276	1	10-ESDV-042	ON-OFF VALVE	A-1310	QP-ARE A-13	TYCO FLOW CONTROL	PR 67 H R / A - 1 05 N		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
277	1	10-ESDV-2040	ON-OFF VALVE	A-1310	QP-ARE A-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
278	1	11-BDV-029	ON-OFF VALVE	A-1311	QP-ARE A-13	TYCO FLOW CONTROL	57333			2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
279	1	11-ESDV-029	ON-OFF VALVE	A-1311	QP-ARE A-13	TYCO FLOW CONTROL	C - 345 - D000 /A - 350 LF2		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
280	1	11-ESDV-043	ON-OFF VALVE	A-1311	QP-ARE A-13	TYCO FLOW CONTROL	PR 67 H R / A - 1 05 N		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
281	1	11-ESDV-2040	ON-OFF VALVE	A-1311	QP-ARE A-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
282	1	12-BDV-030	ON-OFF VALVE	A-1312	QP-ARE A-13	TYCO FLOW CONTROL	57333			2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
283	1	12-ESDV-030	ON-OFF VALVE	A-1312	QP-ARE A-13	TYCO FLOW CONTROL	C - 345 - D000 /A - 350 LF2		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
284	1	12-ESDV-044	ON-OFF VALVE	A-1312	QP-ARE A-13	TYCO FLOW CONTROL	PR 67 H R / A - 1 05 N		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
285	1	12-ESDV-2040	ON-OFF VALVE	A-1312	QP-ARE A-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
286	1	13-BDV-031	ON-OFF VALVE	A-1313	QP-ARE A-13	TYCO FLOW CONTROL	57333	DP 96 INH2O SP 0-900 PSIG		2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
287	1	13-ESDV-031	ON-OFF VALVE	A-1313	QP-ARE A-13	TYCO FLOW CONTROL	C - 345 - D000 /A - 350 LF2		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
288	1	13-ESDV-045	ON-OFF VALVE	A-1313	QP-ARE A-13	TYCO FLOW CONTROL	PR 67 H R / A - 1 05 N		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
289	1	13-ESDV-2040	ON-OFF VALVE	A-1313	QP-ARE A-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
290	1	14-BDV-032	ON-OFF VALVE	A-1314	QP-ARE A-13	TYCO FLOW CONTROL	57333	0-58.875 INH2O		2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
291	1	14-ESDV-032	ON-OFF VALVE	A-1314	QP-ARE A-13	TYCO FLOW CONTROL	C - 345 - D000 /A - 350 LF2		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
292	1	14-ESDV-046	ON-OFF VALVE	A-1314	QP-ARE A-13	TYCO FLOW CONTROL	PR 67 H R / A - 1 05 N		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
293	1	14-ESDV-2040	ON-OFF VALVE	A-1314	QP-ARE A-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
294	1	20-BDV-151	ON-OFF VALVE	M-2001	QP-ARE A-20	NELES JAMESBURY	WWP1BL .6.4.BJ.12 .LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
295	1	20-BDV-92203	ON-OFF VALVE	M-2002	QP-ARE A-20						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
296	1	20-ESDV-102	ON-OFF VALVE	M-2001	QP-ARE A-20	NELES JAMESBURY	WWP1BL .6.4.BC.3 2.LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
297	1	20-ESDV-105	ON-OFF VALVE	M-2001	QP-ARE A-20	NELES JAMESBURY	WWP1BL .6.4.BJ.12 .LS.SV		0 - 03 PSI	4" 600RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
298	1	20-ESDV-106	ON-OFF VALVE	M-2001	QP-ARE A-20	NELES JAMESBURY	WWP1BL .6.4.BJ.12		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
299	1	20-ESDV-108	ON-OFF VALVE	V-2003	QP-ARE A-20	NELES JAMESBURY	WWPBL. 1.4.BJ.8.L S.SV/67C FR-239		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
300	1	20-ESDV-111	ON-OFF VALVE	M-2001	QP-ARE A-20	BIFFI	ALGAS.6 C.3800.6 35.CL		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
301	1	20-ESDV-206	ON-OFF VALVE	M-2001	QP-ARE A-20						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
302	1	20-ESDV-208	ON-OFF VALVE	V-2013	QP-ARE A-20	BIFFI	RPD 30-D2		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
303	1	20-ESDV-5208	ON-OFF VALVE	V-2050	QP-ARE A-20						ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
304	1	20-ESDV-9086	ON-OFF VALVE	V-2023	QP-ARE A-20	BIFFI	RPD 30-D2		60-100 PSI G		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
305	1	20-XV-9220 1A	ON-OFF VALVE	M-2002	QP-ARE A-20	ROTOR	GP-200C-635-A/D1		0 - 14 PSI	30" RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
306	1	20-XV-9220 1B	ON-OFF VALVE	M-2002	QP-ARE A-20	ROTOR	GP-200S-685A/D1		0 - 14 PSI	26" RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
307	1	20-XV-9706	ON-OFF VALVE	V-2013	QP-ARE A-20						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
308	1	20-XV-9707	ON-OFF VALVE	V-2003	QP-ARE A-20						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
309	1	26-BDV-153	ON-OFF VALVE	A-2603 A-E	QP-ARE A-26	NELES JAMESBURY			60-100 PSI G		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
310	1	26-BDV-9601	ON-OFF VALVE	A-2623A-C	QP-ARE A-26	ROTOR	RP-060-200A.00.2"		60-100 PSI G		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
311	1	26-BDV-9603 A	ON-OFF VALVE	A-2623A-C	QP-ARE A-26	METSO	B1JAU8.1 5/NBXB3 07C8U.1 9(ASCO)		60-100 PSI G		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
312	1	26-BDV-9603 B	ON-OFF VALVE	A-2623A-C	QP-ARE A-26	METSO	B1JAU8.1 5/NBXB3 07C8U.1 9(ASCO)		60-100 PSI G		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
313	1	26-ESDV-9211 5	ON-OFF VALVE	A-2613A-E	QP-ARE A-26	BIFFI	AL6A3S.3 85		60-100 PSI G		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
314	1	26-ESDV-9601	ON-OFF VALVE	A-2623A-C	QP-ARE A-26	ROTOR	GP.100S.485A.01		60-100 PSI G		ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
315	1	26-ESDV-9602	ON-OFF VALVE	A-2623A-C	QP-ARE A-26	ROTOR	GP.100S.485A.01		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
316	1	26-ESDV-9621	ON-OFF VALVE	A-2623A-C	QP-ARE A-26	ROTOR	GP-1305-585A/01		6.58 BAR		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
317	1	26-ESDV-9623	ON-OFF VALVE	A-2623A-C	QP-ARE A-26	ROTOR	GP-1305-585A/01		6.58 BAR		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
318	1	26-ESDV-9715	ON-OFF VALVE	A-2651	QP-ARE A-26						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
319	1	26-ESDV-9716	ON-OFF VALVE	A-2661	QP-ARE A-26						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
320	1	27-BDV-151	ON-OFF VALVE	K-2701	QP-ARE A-27	NELES JAMESBURY	5152.S31.2236MF.QP2C.LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
321	1	27-BDV-152	ON-OFF VALVE	K-2701	QP-ARE A-27	NELES JAMESBURY	5152.S31.2236MF.QP2C.LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
322	1	27-BDV-153	ON-OFF VALVE	K-2701	QP-ARE A-27	NELES JAMESBURY	5306.S31.2236MF.QP2C.LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
323	1	27-BDV-154	ON-OFF VALVE	K-2701	QP-ARE A-27	NELES JAMESBURY	4X2236 MT.1.QP1C.LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
324	1	27-BDV-251	ON-OFF VALVE	K-2711	QP-ARE A-27	NELES JAMESBURY	5152.S31.2236MF.QP2C.LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
325	1	27-BDV-252	ON-OFF VALVE	K-2711	QP-ARE A-27	NELES JAMESBURY	5152.S31.2236MF.QP2C.LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of		



											Actuator, Sov And Limit Switches.		
326	1	27-BDV-253	ON-OFF VALVE	K-2711	QP-ARE A-27	NELES JAMESBURY	5306.S31 .2236MF. QP2C.LS. SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
327	1	27-BDV-254	ON-OFF VALVE	K-2711	QP-ARE A-27	NELES JAMESBURY	4X2236 MT.1.QP 1C.LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
328	1	27-BDV-312	ON-OFF VALVE	K-2721	QP-ARE A-27	SIEMENS	LPS 03 12 0 CM03 FO		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
329	1	27-BDV-322	ON-OFF VALVE	K-2721	QP-ARE A-27	SIEMENS	LPS 03 12 0 CM03 FO		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
330	1	27-BDV-332	ON-OFF VALVE	K-2721	QP-ARE A-27	SIEMENS	LPS 03 12 0 CM03 FO		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
331	1	27-BDV-342	ON-OFF VALVE	K-2721	QP-ARE A-27	SIEMENS	LPS 03 12 0 CM03 FO		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
332	1	27-ESDV-101	ON-OFF VALVE	K-2701	QP-ARE A-27	NELES JAMESBURY	WWP.BL. 1.4.BC32. LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
333	1	27-ESDV-102	ON-OFF VALVE	K-2701	QP-ARE A-27	NELES JAMESBURY	WWP.BL. 1.4.BJ25. LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
334	1	27-ESDV-103	ON-OFF VALVE	K-2701	QP-ARE A-27	NELES JAMESBURY	5307.571 .2236T.5 1.BJ.25.L S.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
335	1	27-ESDV-104	ON-OFF VALVE	K-2701	QP-ARE A-27	NELES JAMESBURY	WWP1BL .6.4.BJ.25 .LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
336	1	27-ESDV-201	ON-OFF VALVE	K-2711	QP-ARE A-27	NELES JAMESBURY	WWP.BL. 1.4.BC32. LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
337	1	27-ESDV-202	ON-OFF VALVE	K-2711	QP-ARE A-27	NELES JAMESBURY	WWP.BL.1.4.BJ25.LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
338	1	27-ESDV-203	ON-OFF VALVE	K-2711	QP-ARE A-27	NELES JAMESBURY	5307.571.2236T.51.BJ.25.LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
339	1	27-ESDV-204	ON-OFF VALVE	K-2711	QP-ARE A-27	NELES JAMESBURY	WWP1BL.6.4.BJ.25.LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
340	1	27-ESDV-311	ON-OFF VALVE	K-2721	QP-ARE A-27	SIEMENS			110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
341	1	27-ESDV-321	ON-OFF VALVE	K-2721	QP-ARE A-27	SIEMENS			110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
342	1	27-ESDV-331	ON-OFF VALVE	K-2721	QP-ARE A-27	AREVA			110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
343	1	27-ESDV-341	ON-OFF VALVE	K-2721	QP-ARE A-27	AREVA			110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
344	1	27-ESDV-344	ON-OFF VALVE	K-2721	QP-ARE A-27	VALAVITALIA	CPS-13-430-1		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
345	1	27-XV-1100	ON-OFF VALVE	K-2701	QP-ARE A-27	FISHER	8510.B		600-1000 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
346	1	27-XV-1101	ON-OFF VALVE	K-2701	QP-ARE A-27	FISHER	8510.B		600-1000 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
347	1	27-XV-1150	ON-OFF VALVE	K-2701	QP-ARE A-27	NELES JAMESBURY			60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
348	1	27-XV-1151	ON-OFF VALVE	K-2701	QP-ARE A-27	NELES JAMESBURY			60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
349	1	27-XV-1160	ON-OFF VALVE	K-2701	QP-ARE A-27	FISHER			60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
350	1	27-XV-1200	ON-OFF VALVE	K-2711	QP-ARE A-27	FISHER	8510.B		600-1000 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
351	1	27-XV-1201	ON-OFF VALVE	K-2711	QP-ARE A-27	FISHER	8510.B		600-1000 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
352	1	27-XV-1250	ON-OFF VALVE	K-2711	QP-ARE A-27	NELES JAMESBURY			60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
353	1	27-XV-1251	ON-OFF VALVE	K-2711	QP-ARE A-27	NELES JAMESBURY			60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
354	1	27-XV-1260	ON-OFF VALVE	K-2711	QP-ARE A-27	FISHER			60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
355	1	27-XV-3320	ON-OFF VALVE	K-2721	QP-ARE A-27	AREVA					ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
356	1	27-XV-3325	ON-OFF VALVE	K-2721	QP-ARE A-27	AREVA					ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
357	1	30-BDV-9710	ON-OFF VALVE	A-3001	QP-ARE A-30	ROTORC	CP/S-035-130A/D2 0148		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
358	1	30-ESDV-550	ON-OFF VALVE	A-3021	QP-ARE A-30	GENERAL VALVE TAXAS	A-105N, Size 2"				ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
359	1	30-ESDV-551	ON-OFF VALVE	A-3021	QP-ARE A-30	GENERAL VALVE TAXAS					ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
360	1	30-ESDV-552A	ON-OFF VALVE	A-3021	QP-ARE A-30	GENERAL VALVE TAXAS	A-105N, Ball Valve				ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
361	1	30-ESDV-552B	ON-OFF VALVE	A-3021	QP-ARE A-30	GENERAL VALVE TAXAS	A-105N, Ball valve				ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
362	1	30-ESDV-555A	ON-OFF VALVE	A-3021	QP-ARE A-30	GENERAL VALVE TAXAS	Actuator AW-20		40 to 175 psi		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
363	1	30-ESDV-555B	ON-OFF VALVE	A-3021	QP-ARE A-30	GENERAL VALVE TAXAS	Actuator AW-20				ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
364	1	53-ESDV-9088	ON-OFF VALVE	V-5300	QP-ARE A-53	BIFFI	RPD-60-D2		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
365	1	58-ESDV-104A	ON-OFF VALVE	A-5801C/D/E	QP-ARE A-58	NELES JAMESBURY	5152.S31.2236TF.QP1C.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
366	1	58-ESDV-104B	ON-OFF VALVE	A-5801C/D/E	QP-ARE A-58	NELES JAMESBURY	5152.S31.2236TF.QP1C.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
367	1	90-BDV-9051	ON-OFF VALVE	E-9002A/B	QP-ARE A-90	METSO	S703FJA2 AT6-B1JAU16/45E			6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
368	1	90-BDV-9083	ON-OFF VALVE	V-9000A/B	QP-ARE A-90	BIFFI	RPS60-S2A1-OP		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
369	1	90-ESDV-9081B	ON-OFF VALVE	V-9000A/B	QP-ARE A-90	BIFFI	AL6A3S.385		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
370	1	90-ESDV-9082 A	ON-OFF VALVE	V-9000A/B	QP-ARE A-90	BIFFI	RPD-D2		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
371	1	90-ESDV-9082 B	ON-OFF VALVE	V-9000A/B	QP-ARE A-90	BIFFI	RPD-D2		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
372	1	91-XV-9180	ON-OFF VALVE	K-9101A	QP-ARE A-91	METS O	2"93003 12236XT-Z-B1JU8/3 5E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
373	1	91-XV-9186 A	ON-OFF VALVE	K-9101A	QP-ARE A-91	METS O	1"61503 12236XT-B1JU8/2 0E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
374	1	91-XV-9186 B	ON-OFF VALVE	K-9101B	QP-ARE A-91	METS O	1"61503 12236XT-B1JU8/2 0E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
375	1	91-XV-9186 C	ON-OFF VALVE	K-9101C	QP-ARE A-91	METS O	1"61503 12236XT-B1JU8/2 0E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
376	1	91-XV-9186 D	ON-OFF VALVE	K-9101D	QP-ARE A-91	METS O	1"61503 12236XT-B1JU8/2 0E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
377	1	91-XV-9187 A	ON-OFF VALVE	K-9101A	QP-ARE A-91	METS O	1"61503 12236XT-B1JU8/1 5E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
378	1	91-XV-9187 B	ON-OFF VALVE	K-9101B	QP-ARE A-91	METS O	1"61503 12236XT-B1JU8/1 5E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
379	1	91-XV-9187 C	ON-OFF VALVE	K-9101C	QP-ARE A-91	METS O	1"61503 12236XT-B1JU8/1 5E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
380	1	91-XV-9187 D	ON-OFF VALVE	K-9101D	QP-ARE A-91	METS O	1"61503 12236XT-B1JU8/1 5E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
381	1	91-XV-9188A	ON-OFF VALVE	K-9101A	QP-ARE A-91	METS O	3/4"6150 312236X T-B1JU8/2 OE		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
382	1	91-XV-9188B	ON-OFF VALVE	K-9101B	QP-ARE A-91	METS O	3/4"6150 312236X T-B1JU8/2 OE		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
383	1	91-XV-9188C	ON-OFF VALVE	K-9101C	QP-ARE A-91	METS O	3/4"6150 312236X T-B1JU8/2 OE		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
384	1	91-XV-9188D	ON-OFF VALVE	K-9101D	QP-ARE A-91	METS O	3/4"6150 312236X T-B1JU8/2 OE		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
385	1	91-XV-9189A	ON-OFF VALVE	K-9101A	QP-ARE A-91	METS O	3"AM150 FDDBB22 36MT52-B1JU10/40E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
386	1	91-XV-9189B	ON-OFF VALVE	K-9101B	QP-ARE A-91	METS O	3"AM150 FDDBB22 36MT52-B1JU10/40E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
387	1	91-XV-9189C	ON-OFF VALVE	K-9101C	QP-ARE A-91	METS O	3"AM150 FDDBB22 36MT52-B1JU10/40E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
388	1	91-XV-9189D	ON-OFF VALVE	K-9101D	QP-ARE A-91	METS O	3"AM150 FDDBB22 36MT52-B1JU10/40E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
389	1	90-ESDV-9081A	ON-OFF VALVE	V-9000A/B	QP-ARE A-92	BIFFI	AL6A3S.385			16" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
390	1	92-UV-9204	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z. ZC11SP.E S950.4			6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
391	1	92-UV-9211	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10300Z. ZC11SP.P S4000.10			12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.			
392	1	92-UV-9212	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10300Z.ZC11SP.E S950.4				12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
393	1	92-UV-9213	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4				6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
394	1	92-UV-9214	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4				6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
395	1	92-UV-9215	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4				6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
396	1	92-UV-9216	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4				6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
397	1	92-UV-9221	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10300Z.ZC11SP.P S4000.10		110 VDC		12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
398	1	92-UV-9222	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10300Z.ZC11SP.E S950.4		110 VDC		12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
399	1	92-UV-9223	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10300.ZC11SP.ES 950.4		110 VDC		6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
400	1	92-UV-9224	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		110 VDC		6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
401	1	92-UV-9225	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		110 VDC		6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
402	1	92-UV-9226	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		110 VDC		6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
403	1	92-UV-9231	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10300Z.ZC11SP.P S4000.10		110 VDC	12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
404	1	92-UV-9232	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10300Z.ZC11SP.E S950.4		110 VDC	12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
405	1	92-UV-9233	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
406	1	92-UV-9234	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
407	1	92-UV-9235	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
408	1	92-UV-9236	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
409	1	92-UV-9241	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10300Z.ZC11SP.P S4000.10		110 VDC	12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
410	1	92-UV-9242	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10300Z.ZC11SP.E S950.4		60-100 PSIG	12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
411	1	92-UV-9243	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		60-100 PSIG	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
412	1	92-UV-9244	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
413	1	92-UV-9245	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of		



											Actuator, Sov And Limit Switches.		
414	1	92-UV-9246	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
415	1	92-UV-9251	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10300Z.ZC11SP.P S4000.10		50 - 110 PSI	12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
416	1	92-UV-9252	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		60-100 PSIG	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
417	1	92-UV-9253	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		60-100 PSIG	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
418	1	92-UV-9254	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		60-100 PSIG	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
419	1	92-UV-9255	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		4,1BAR 6/7 BAR	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
420	1	92-UV-9256	ON-OFF VALVE	V-9201-5	QP-ARE A-92	ZWICK	I10150Z.ZC11SP.E S950.4		2 BAR G 8,5 BAR G	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
421	1	92-XV-9292	ON-OFF VALVE	V-9209	QP-ARE A-92	FISHER	1052.40/ V5001.5" /67CFR		60-100 PSIG	1.5" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
422	1	93-XV-9390	ON-OFF VALVE	E-9301	QP-ARE A-93	FISHER	3024S/10 18S.2"/G A1.31/67 CFR		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
423	1	97-BDV-9702A	ON-OFF VALVE	V-9700A/B	QP-ARE A-97	BIFFI	RPS60- S2A1-OP		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
424	1	97-BDV-9751	ON-OFF VALVE	E-9703	QP-ARE A-97	METSO	S703FJA2 AT6- B11AU16 /45E		S.G. 0.71 / 1	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
425	1	97-ESDV-9700A	ON-OFF VALVE	V-9700A/B	QP-ARE A-97	BIFFI	AL6A3S.3 85		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
426	1	97-ESDV-9700B	ON-OFF VALVE	V-9700A/B	QP-ARE A-97	BIFFI	AL6A3S.3 85		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
427	1	97-XV-9701	ON-OFF VALVE	E-9701	QP-ARE A-97						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
428	1	97-XV-9701A	ON-OFF VALVE	V-9700A/B	QP-ARE A-97	BIFFI	RPD-D2		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
429	1	97-XV-9701B	ON-OFF VALVE	V-9700A/B	QP-ARE A-97	BIFFI	RPD-D2		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
430	1	97-XV-9702	ON-OFF VALVE	E-9701	QP-ARE A-97						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
431	1	97-XV-9761	ON-OFF VALVE	E-9703	QP-ARE A-97						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
432	1	98-BDV-9709	ON-OFF VALVE	F-9806A/B	QP-ARE A-98						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
433	1	98-BDV-9809	ON-OFF VALVE	V-9801-4	QP-ARE A-98	METS O	S71HFJAJ 2AT6-B1JAU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
434	1	98-BDV-9819	ON-OFF VALVE	V-9801-4	QP-ARE A-98	METS O	S71HFJAJ 2AT6-B1JAU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
435	1	98-BDV-9829	ON-OFF VALVE	V-9801-4	QP-ARE A-98	METS O	S71HFJAJ 2AT6-B1JAU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
436	1	98-BDV-9839	ON-OFF VALVE	V-9801-4	QP-ARE A-98	METS O	S71HFJAJ 2AT6-B1JAU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
437	1	98-BDV-9849	ON-OFF VALVE	V-9801-4	QP-ARE A-98	METS O	S71HFJAJ 2AT6-B1JAU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
438	1	98-BDV-9893	ON-OFF VALVE	V-9809	QP-ARE A-98	METS O	S71HFJAJ 2AT6-B1JAU8/20E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
439	1	98-XV-9701	ON-OFF VALVE	K-9807	QP-ARE A-98		AL6AS09 S.0350.3 35.CL		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
440	1	98-XV-9702	ON-OFF VALVE	K-9807	QP-ARE A-98		AL6AS09 S.0350.3 35.CL		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
441	1	98-XV-9872	ON-OFF VALVE	K-9807	QP-ARE A-98	FISHER	657.70/E D.6"/67CFR		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
442	1	98-XV-9879	ON-OFF VALVE	K-9807	QP-ARE A-98	FISHER	1052.70/V500.6"/67CFR		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
443	1	98-XV-9892	ON-OFF VALVE	V-9809	QP-ARE A-98	FISHER	1052.40/V5001.5"/67CFR		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
444	1	99-XV-9920	ON-OFF VALVE	E-9901	QP-ARE A-99	METS O	NI7201/P &FNIJ2-12GKN		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
445	1	99-XV-9923	ON-OFF VALVE	E-9901	QP-ARE A-99	METS O	NI7201/P &FNIJ2-12GKN		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
446	1	99-XV-9924	ON-OFF VALVE	E-9901	QP-ARE A-99	METS O	NI7201/P &FNIJ2-12GKN		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of		

											Actuator, Sov And Limit Switches.		
447	1	99-XV-9931	ON-OFF VALVE	E-9901	QP-ARE A-99	METS O	NI7201/P &FNIJ2-12GKN		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
448	1	99-XV-9932	ON-OFF VALVE	E-9901	QP-ARE A-99	METS O	NI7201/P &FNIJ2-12GKN		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
449	1	99-XV-9941	ON-OFF VALVE	E-9901	QP-ARE A-99	METS O	NI7201/P &FNIJ2-12GKN		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
450	1	99-XV-9942	ON-OFF VALVE	E-9901	QP-ARE A-99	METS O	NI7201/P &FNIJ2-12GKN		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
451	1	99-XV-9990	ON-OFF VALVE	E-9901	QP-ARE A-99	FISHER	3024S/10 18S.2"/G A1.31/67 CFR		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
452	1	20-PSV-102	SAFETY VALVE	M-2001	QP-ARE A-20	NUOVO PIG NONE	2551M.T N.002		1100 PSIG	4"/600 RTJ X 6"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
453	1	20-PSV-103	SAFETY VALVE	M-2001	QP-ARE A-20	NUOVO PIG NONE	2551M.T N.002		1100 PSIG	4"/600 RTJ X 6"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
454	1	20-PSV-105	SAFETY VALVE	V-2003	QP-ARE A-20	NUOVO PIG NONE	2511N.C B.002		150 PSIG	4"/150 RF X6"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
455	1	20-PSV-205	SAFETY VALVE	V-2013	QP-ARE A-20	IMI BAILAY BIRKIT	AN6H411 122/D		150 PSIG	4"/150 RF X6"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		

456	1	20-PSV-9084 A	SAFETY VALVE	M-2002	QP-ARE A-20	CROSBY			1100 PSIG	3 "/150 RF X 4"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
457	1	20-PSV-9084 B	SAFETY VALVE	M-2002	QP-ARE A-20	CROSBY			1100 PSIG	3 "/150 RF X 4"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
458	1	20-PSV-9086	SAFETY VALVE	V-2023	QP-ARE A-20	CCS	6905.G.Z. E.16.904 2		150 PSIG	2" /300 RF X 3"/300 RF	Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing .		
459	1	26-PSV-101	SAFETY VALVE	A-2623A -C	QP-ARE A-26	NUOVO PIG NONE			95 PSIG	8 "/300RF X 10"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
460	1	26-PSV-102	SAFETY VALVE	A-2623A -C	QP-ARE A-26	NUOVO PIG NONE			95 PSIG	8 "/300RF X 10"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
461	1	26-PSV-103	SAFETY VALVE	A-2623A -C	QP-ARE A-26	NUOVO PIG NONE			95 PSIG	8 "/300RF X 10"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
462	1	27-PSV-101	SAFETY VALVE	K-2701	QP-ARE A-27	NUOVO PIG NONE			95 PSIG	1.5"/150 RF X 3"/300 RF	Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing .		
463	1	27-PSV-102	SAFETY VALVE	K-2701	QP-ARE A-27	NUOVO PIG NONE			170 PSIG	6"/300 RF X 8"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
464	1	27-PSV-103	SAFETY VALVE	K-2701	QP-ARE A-27	NUOVO PIG NONE			170 PSIG	1.5"/150RF X 2.5"/150 RF	Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing .		

465	1	27-PSV-104	SAFETY VALVE	K-2701	QP-ARE A-27	NUOVO PIG NONE			390 PSIG	4"/300 RF X 6"/150 RF	Dismantling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation
466	1	27-PSV-105	SAFETY VALVE	K-2701	QP-ARE A-27	NUOVO PIG NONE	2531F.TN .002		390 PSIG	1.5"/300 RF X 2"/150 RF	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation.
467	1	27-PSV-106	SAFETY VALVE	K-2701	QP-ARE A-27	NUOVO PIG NONE	2551K.T N.002		925 PSIG	3"/600 RTJ X 4"/150 RF	Dismantling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation
468	1	27-PSV-107	SAFETY VALVE	K-2701	QP-ARE A-27	NUOVO PIG NONE	2551D.T N.002		925 PSIG	1 "/600 RTJ X 2"/150 RF	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation.
469	1	27-PSV-108	SAFETY VALVE	K-2701	QP-ARE A-27	NUOVO PIG NONE	3K4JPV45		950 PSIG	3"/600 RTJ X 4"/150 RF	Dismantling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation
470	1	27-PSV-201	SAFETY VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	2511H.T B.002		95 PSIG	1.5"/150 RF X 3"/300 RF	Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing .
471	1	27-PSV-202	SAFETY VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	2531Q.T N.002		170 PSIG	6"/300 RF X 8"/150 RF	Dismantling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation
472	1	27-PSV-203	SAFETY VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	2511G.T N.002		170 PSIG	1.5"/150RF X 2.5"/150 RF	Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing .

473	1	27-PSV-204	SAFETY VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	2531M.T N.002		390 PSIG	4"/300 RF X 6"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
474	1	27-PSV-205	SAFETY VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	2531F.TN .002		390 PSIG	1.5"/300 RF X 2"/150 RF	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation.		
475	1	27-PSV-206	SAFETY VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	2551K.T N.002		925 PSIG	3"/600 RTJ X 4"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
476	1	27-PSV-207	SAFETY VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	2551D.T N.002		925 PSIG	1 "/600 RTJ X 2"/150 RF	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation.		
477	1	27-PSV-208	SAFETY VALVE	K-2711	QP-ARE A-27	NUOVO PIG NONE	3K4JPV45		950 PSIG	3"/600 RTJ X 4"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
478	1	27-PSV-311	SAFETY VALVE	K-2721	QP-ARE A-27	SIEMENS			170 PSIG	6"/300 RF X 8"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
479	1	27-PSV-312	SAFETY VALVE	K-2721	QP-ARE A-27	DRESSER	1905 300 C 2 CC M S 31 RF G S ID		95 PSIG	1.5"/150 RF X 3"/150 RTJ	Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing .		
480	1	27-PSV-321	SAFETY VALVE	K-2721	QP-ARE A-27	DRESSER	1910-30MC-1-MS-31-RF-4S-HP		390 PSIG	4"/300 RF X 6"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration),		

											Pressure Testing and Reinstallation		
481	1	27-PSV-322	SAFETY VALVE	K-2721	QP-ARE A-27	AREVA	2511G.T N.002		170 PSIG	1.5"/150RF X 2.5"/150 RF	Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing .		
482	1	27-PSV-331	SAFETY VALVE	K-2721	QP-ARE A-27	SIEMENS			925 PSIG	3"/600 RTJ X 4"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
483	1	27-PSV-332	SAFETY VALVE	K-2721	QP-ARE A-27	SIEMENS	2531F.TN .002		390 PSIG	1.5"/300 RF X 2"/150 RF	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation.		
484	1	27-PSV-341	SAFETY VALVE	K-2721	QP-ARE A-27	SIEMENS			1100 PSIG	3 "/150 RF X 4"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
485	1	27-PSV-342	SAFETY VALVE	K-2721	QP-ARE A-27	SIEMENS			925 PSIG	1 "/600 RTJ X 2"/150 RF	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation.		
486	1	27-PSV-343	SAFETY VALVE	K-2721	QP-ARE A-27	SIEMENS			56 PSIG	3 "/150 RF X 4"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
487	1	53-PSV-101	SAFETY VALVE	V-5300	QP-ARE A-53	NUOVO PIG NONE	2531D.C N.002.1" X2"		460 PSIG	3 "/300 RF X 4"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		



488	1	53-PSV-102	SAFETY VALVE	V-5300	QP-ARE A-53	NUOVO PIG NONE	2531D.C N.002.1" X2"	460 PSIG	3 "/300 RF X 4"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation
489	1	53-PSV-103A	SAFETY VALVE	V-5300	QP-ARE A-53	NUOVO PIG NONE	2531D.C N.002.1" X2"	460 PSIG	1 "/300 RF X 2"/150 RF	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation.
490	1	53-PSV-103B	SAFETY VALVE	V-5300	QP-ARE A-53	NUOVO PIG NONE	2531D.C N.002.1" X2"	460 PSIG	1 "/300 RF X 2"/150 RF	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation.
491	1	53-PSV-104	SAFETY VALVE	V-5300	QP-ARE A-53	NUOVO PIG NONE	2531D.C N.002.1" X2"	460 PSIG	1 "/300 RF X 2"/150 RF	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation.
492	1	53-PSV-105	SAFETY VALVE	V-5302	QP-ARE A-53	NUOVO PIG NONE	2511J.CB .002	150 PSIG	2"/150 RF X 3"/150 RF	Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing .
493	1	53-PSV-106	SAFETY VALVE	V-5302	QP-ARE A-53	NUOVO PIG NONE	2511J.CB .002	150 PSIG	2"/150 RF X 3"/150 RF	Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing .
494	1	53-PSV-9092	SAFETY VALVE	V-5300	QP-ARE A-53			460 PSIG	3 "/150 RF X 4"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation
495	1	53-PSV-9092 A	SAFETY VALVE	V-6300	QP-ARE A-53	CROSBY	1.5F2H42 1112/D	460 PSIG	1.5"/150 RF X 2"/150 RF	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If

											Required, Calibration), Pressure Testing and Re installation.		
496	1	53-PSV-9092 B	SAFETY VALVE	V-6300	QP-ARE A-53	CROSBY	1.5F2H42 1112/D		460 PSIG	1.5"/150 RF X 2"/150 RF	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation.		
497	1	53-PSV-9093	SAFETY VALVE	V-5300	QP-ARE A-53				460 PSIG	3 "/150 RF X 4"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
498	1	90-PSV-9081 A	SAFETY VALVE	V-9000A /B	QP-ARE A-90	IMI B AILAY BIRKIT T	6Q8PA32 122/2AD		950 PSIG	6 "/300 RTJ X 8"/300 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
499	1	90-PSV-9081 B	SAFETY VALVE	V-9000A /B	QP-ARE A-90	IMI B AILAY BIRKIT T	6Q8PA32 122/2AD		950 PSIG	6 "/300 RTJ X 8"/300 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
500	1	91-PSV-9172	SAFETY VALVE	E-9106A -D	QP-ARE A-91	CROSBY	JOS 45		363 PSIG	6"/600 RTJ X 8" 150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
501	1	91-PSV-9173	SAFETY VALVE	E-9106A -D	QP-ARE A-91	CROSBY	JOS 45		363 PSIG	6"/600 RTJ X 8" 150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		
502	1	91-PSV-9174 A	SAFETY VALVE	V-9107	QP-ARE A-91	CROSBY	JOS.E.35. ORK.3" J 4"		362.5 P SIG	3"/300 RF X 4"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation		

503	1	91-PSV-9174 B	SAFETY VALVE	V-9107	QP-ARE A-91	CROSBY	JOS.E.35. ORK.3" J 4"	362.5 P SIG	3"/300 RF X 4"/150 RF	Dismantelling, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Reinstallation
504	1	91-PSV-9175 A	SAFETY VALVE	E-9105	QP-ARE A-91	CROSBY	JOS.E.35. OR.K.1.5" F2	362.5 P SIG	1.5"/300 RF X 2"/150 RF	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation.
505	1	91-PSV-9175 B	SAFETY VALVE	E-9105	QP-ARE A-91	CROSBY	JOS.E.35. OR.K.1.5" F2	362.5 P SIG	1.5"/300 RF X 2"/150 RF	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation.
SUB TOTAL (including all taxes except PST/ICT), (Inst. SOW, Complete Tag List) =										