

OIL & GAS DEVELOPMENT COMPANY LIMITED

TERMS OF REFERENCE (TOR)/SCOPE OF WORK(SOW)



TENDER ENQUIRY NO: PROC-SERVICES/CB/P&P-4483/2019

**HIRING TECHNICAL SERVICES FOR EXECUTION OF ANNUAL TURN
AROUND (ATA) 2020 JOBS OF QADIRPUR PLANT**

Note: Master set of tender documents (services) uploaded on OGDCL's website (www.ogdcl.com) is the integral part of this TOR/Tender.

TERMS OF REFERENCE (TOR)/SCOPE OF WORK(SOW) FOR HIRING TECHNICAL SERVICES FOR EXECUTION OF ANNUAL TURN AROUND (ATA) 2020 JOBS OF QADIRPUR PLANT

1. EXPLANATORY NOTES FOR CONTRACTOR:

- i. The Owner, Oil & Gas Development Company Limited (OGDCL) is interested in inviting bids for the provision of services (Mechanical, Electrical, and Instrumentation & Process etc.) at its Qadirpur Gas Plant for the execution of the Annual Turnaround (ATA) 2020 maintenance activities from reputable companies in this field. Tentative schedule for execution of ATA-20Qadirpur gas field is in March-2020, whereas duration for the execution of ATA will be 07 days including depressurizing & start up.
- ii. 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.
- iii. 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.
- iv. 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.
- v. The work shall be done, completed in all respects in accordance with the requirements and Owner's instructions/satisfaction at site.
- vi. In case of switching from one plant train to the other (PT-I & PT-II), idling of manpower (If any) for un-specified time & condition will be on Contractors part.
- vii. 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.
- viii. 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.
- ix. 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.
- x. Unit rates quoted by bidder shall be firm. No extra payments on account of escalation in prices due to any reason shall be admissible.

- xi. 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.
- xii. 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

2. TERMS & CONDITIONS FOR ATA-2020

- i. Tentative time for execution of ATA-20 Qadirpur gas field is in Mar -2020, whereas duration for the execution of ATA will be approx. 07 days including depressurizing & start up.
- ii. OGDCL reserves the right to change (increase/decrease) the scope of the work at any time keeping in view the operational requirements.
- iii. Contractor must visit the site to confirm the provided scope of work by OGDCL for bidding and clarification of scope (if any).
- iv. Contractor will arrange Fabrication/Welding Jobs. OGDCL will arrange NDT/Third party inspection, wherever required, however, supporting manpower required for execution of NDT will be contractors' scope.
- v. 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.
- vi. Contractor must depute its supervisors to Qadirpur gas field few days prior to ATA for bagging and tagging of material as per activity.
- vii. Only land (for placement of caravans) for lodging (accommodation) will be provided to the Contractor's Man Power.
- viii. 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.
- ix. Provision of Nitrogen with pumping unit for purging and Pressure testing is in OGDCL scope.
- x. All gaskets (Only for box up) and spare parts will be provided by OGDCL.

3. CONTRACTOR'S RESPONSIBILITIES

3.1 HSEQ

- i. 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.
- ii. 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.
- iii. 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.
- iv. Contractor shall develop and ensure Toolbox Talk Program on Safety, Health and Environmental matters in daily HSE briefings by its HSEQ Rep.
- v. Contractor shall immediately report to OGDCL representative all significant and important incidents involving fatality, injury, illness, environmental impacts, near hits, and/or hazardous situations.
- vi. Contractor shall submit to OGDCL representative an HSE Performance Review Report on regular basis.
- vii. 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.
- viii. 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.
- ix. Arrangement of all the safety equipment & PPE's i.e. Gloves, Helmet, Safety glasses Harness, respirators etc. for contractor employees is contractor's responsibility.
- x. Mobiles, photo camera, cigarettes, lighter etc. are prohibited in the plant premises and contractor should ensure this.
- xi. Contractor should arrange HSE I/C, supervisors, inspectors, first aid providers, hole watcher, rescuer, fireman and housekeeping man as per work plan activities.
- xii. Contractor will hire certified crane operator, scaffolder, rigger, drivers, welders, fabricators etc.
- xiii. 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.
- xiv. In case of any accident / emergency, OGDCL will provide only general first aid whereas any other medical treatment would be the responsibility of contractor.
- xv. In case of any injury, workmanship compensation of contractor's staff will be contractor's responsibility.

3.2 FIELD WORK

- i. 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 etc. Contractor must submit a complete list of Tools & consumables to the client prior to ATA.

- ii. 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.
- iii. Arrangement of 40/30 ton Cranes, 05 Ton 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.
- iv. Provision of electrical supply both at residence and plant for execution of all activities is contractor's responsibility.
- v. Arrangement of Pump, hoses etc. for Flushing of Vessels will be contractor's responsibility.
- vi. 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.
- vii. Removal/Re-installation of insulation Cladding where applicable shall be the responsibility of Contractor.
- viii. 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.
- ix. Contractor will arrange 24V explosion proof High RPM exhaust Fans for the ventilation of Vessels.
- x. Contractor will arrange 24V explosion proof lighting arrangement inside the vessels.
- xi. 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.
- xii. 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.
- xiii. All calibration equipment/tools Hart communicator, milliamp source, Deadweight Tester. Pneumatic Calibrator & Multi meters etc. for the calibration of all instruments, transmitters, I/P convertors, Level trolls, switches. Control valves & PSV's etc. should be the responsibility of contractor.
- xiv. Contractor should submit the calibration certificate duly signed and witnessed by owner and contractor as per standard quality procedure on daily basis.
- xv. Contractor should arrange their own Photocopy machine.
- xvi. 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.
- xvii. Scaffolding erection and dismantling along with scaffolding material for all the work at height jobs will be contractor's responsibility.
- xviii. 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.
- xix. In case of emergency OGDCL's Machines, Tools, equipment are to be used by Contractor, if available; they will be charged on Market rate.
- xx. Hydra tight equipment along with operator will be contractor responsibility.

- xxi. Arrangement of Electrical Supply Boards/Cables/Lighting along with earth leakage circuit breaker to provide electrical supply/Lighting at different work location as per HSE standard will be responsibility of the contractor.
- xxii. Arrangement of Pneumatic tools for confined spaces (Vessel and Columns).
- xxiii. Long tail wire brush for internal cleaning of Level glasses or chemical cleaning agents will be arranged by the contractor.

3.3 HOT JOBS

- i. 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, DA, oxygen & Argon Cylinders etc.
- ii. Arrangement of Diesel Welding Generator & diesel will be in contractor's scope of work. Min. 04 Generators will be required at different locations.
- iii. Contractor shall be responsible for PRE HEAT & PWHT of welding jobs including PWHT machines, consumables and stress Relieving as per NDT results whenever required.
- iv. Contractor shall provide WPS & PQR for welding and fabrication jobs prior to execution.
- v. Contractor will arrange Fabrication/Welding Jobs. OGDCL will arrange NDT/Third party inspection, wherever required, however, supporting manpower required for execution of NDT will be contractors' responsibility.
- vi. All modifications/change in piping will be painted after proper surface cleaning as per color codes.
- vii. Radiographic Inspection of new welding joints will be contractor's responsibility. OGDCL will specify the %age of welding joints to be inspected.
- viii. Contractor will be responsible for any blinding/De-blinding required for any Hot Job, which may not be foreseen at this stage.

3.4 GENERAL ARRANGEMENTS

- i. 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.
- ii. 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.
- iii. All arrangement for boarding & lodging for contractor's man power will be contractor's responsibility. Only 06 Officers Engg. Cadre will be provided temporary residence & messing.
- iv. Arrangement of Camp utilities electricity, portable water, portable washrooms/toilets with their cleaning will be responsibility of Contractor.
- v. Contractor must submit list of total no's of deployed manpower (cadre wise).
- vi. Contractor shall provide adequate meals / on-site refreshment twice in 12 hour shift and laundry services to their employees.

- vii. Contractor should ensure his manpower has no any kind of ammunition and narcotics. (Security concern)
- viii. 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.
- ix. Pick & drop of any type for contactor's manpower will be contractor's responsibility.
- x. 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.

4. Bidder/Contractor Technical 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 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.
3.	Certifications.	Contractor should provide following valid certificates; 1. ISO 9000 certification: 2. ASME U/R/S-Stamp 3. PEC Registration	1. 04 Marks 2. 03/02/02 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.

Sr. No.	Evaluation Item	Description of Criteria	Max. Marks / Calculations	Maximum Marks	Minimum Qualifying Marks	Remarks
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.	1. 02Marks 2. 08 Marks 3. 04 Marks 4. 06 Marks (04 + 02) 5. 10 Marks.	30	24	Established workshop & office: 02 Marks Established Office only: 01 Marks Mechanical tools: 04 Marks. Instrument tools: 02 Marks. Electrical tools: 02 Marks. 01 Marks 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	1. Contractor's documentary evidence of HSE policy with commitment to provide PPE, Helmet, Ear plugs and safety shoes to the skilled labour at work. 2. Well defined HSE policy with commitment and to provide 1 Million Safe Man hours record. 3. Deployment of first aid boxes & medical team for the labour at site.	1. 04 Marks for full compliance, partial compliance zero Marks. 2. 03 Marks, 3. 03 Marks for full compliance partially compliance zero Marks.	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-2020		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.

Total Marks= 100

Minimum Qualifying Marks = 78

Note:

- 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.*
- 2. 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.*
 - 3. Contractor must have three years total experience of providing ATA/ shutdown services. Contractors having experience less than three 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 three 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.*
 - 4. In case of JV, JV agreement to be provided by contractor. Experience of both JV partner will be not added together for marks calculation.*

5. FINANCIAL BID FORMAT/EVALUATION CRITERIA

Qadirpur Plant ATA-2020		
Sr.	Description	Price in PKR (inclusive of all taxes except PST/ICT)
1	Cost of Services/Manpower, activity wise breakdown as per enclosed document (the cost must be inclusive of all types of equipment's, tools, machinery, consumable and PPE) for:-	
	i <u>Mechanical Works:</u>	-
	SUB TOTAL (MECHANICAL)	
	ii <u>Electrical Works:</u>	
	SUB TOTAL (ELECTRICAL)	
iii	<u>Instrument Works:</u>	
	SUB TOTAL (INSTRUMENT)	
2	Mob / Demob cost (Lump Sum) (to be paid after completion of work)	
	TOTAL COST (inclusive of all taxes except PST/ICT)	
<p>Note:</p> <ul style="list-style-type: none"> 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 list. 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 be included the activity list with pricing verified by filed official. viii. Sales Tax invoice with Annexure 'C' must be provided. 		

6. BID PRICE:

- i. Bid price must be quoted in PKR otherwise the bid will be rejected.
- ii. Bid price shall be inclusive of all taxes, duties, levies, charges etc., except Provincial Sales Tax (PST)/ Islamabad Capital Territory Sales Tax (ICT) on services in Pakistan.
- iii. The prices quoted by the successful bidder (contractor) for required services shall remain firm and final throughout contract period. The price charged by the successful bidder

(contractor) for required services shall not vary from the prices quoted by the service company.

(This clause shall prevail instead of Master Tender document "ITB" clause # 06 'BID PRICE')

7. PAYMENT TERMS:

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.

(This clause will prevail instead of Master Tender document "ITB" clause # 07 'PAYMENT')

8. **AMOUNT OF BID BOND:** Bid Bond /Bid Security amounting to **PKR: 800,000/-** is to be attached / provided with the technical bid strictly as per format provided in "Master Set of Tender documents (Services)" uploaded on OGDCL Website. Please see/download Master Set of Tender Document (Services) for further details.

Note :-

The "Master Set Of Tender Documents (Services)" uploaded on OGDCL's website (www.ogdcl.com) is the integral part of this TOR.

FINANCIAL BID FORMAT/EVALUATION CRITERIA

Qadirpur Plant ATA-2020

Sr.	Description	Price in PKR (Inclusive of all taxes except PST/ICT)																		
1	Cost of Services/Manpower, activity wise breakdown as per enclosed document (the cost must be inclusive of all types of equipment's, tools, machinery, consumable and PPE) for:-																			
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">i</td> <td><u>Mechanical Works:</u></td> <td></td> </tr> <tr> <td></td> <td>SUB TOTAL (MECHANICAL)</td> <td></td> </tr> <tr> <td style="text-align: center;">ii</td> <td><u>Electrical Works:</u></td> <td></td> </tr> <tr> <td></td> <td>SUB TOTAL (ELECTRICAL)</td> <td></td> </tr> <tr> <td style="text-align: center;">iii</td> <td><u>Instrument Works:</u></td> <td></td> </tr> <tr> <td></td> <td>SUB TOTAL (INSTRUMENT)</td> <td></td> </tr> </table>	i	<u>Mechanical Works:</u>			SUB TOTAL (MECHANICAL)		ii	<u>Electrical Works:</u>			SUB TOTAL (ELECTRICAL)		iii	<u>Instrument Works:</u>			SUB TOTAL (INSTRUMENT)		
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2	Mob / Demob cost (Lump Sum) (To be paid after completion of work)																			
	TOTAL COST (Inclusive of all taxes except PST/ICT)																			

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 list.
- 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 be included the activity list with pricing verified by filed official.
- viii. Sales Tax invoice with Annexure 'C' must be provided.

Complete ATA-2020 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)	M-2001							
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							
iv	Inspection by Process Section (By OGDCL)							
v	Box Up of 02 Nos 36" Class 600 RTJ End Blinds	36"	600	No's	2			
b)	M-2002	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Erection of Scaffolding							
ii	Dismantling of Man Hole Flange Size 18" Class 600 RTJ	18	600	No's	1			
iii	Mechanical Cleaning							
iv	Flushing with Water							
v	Inspection by Process Section (by OGDCL)							
vi	Box-Up of Man Hole Flange Size 18" Class 600 RTJ	18"	600	No's	1			
vii	De-Blinding							
2	Dismantling of manways, level trolls, cleaning and flushing with water Cond./water separator V-2003	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
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							
vi	Cleaning of 02 Nos Level Glass, with Internal wire brush	2	150	No's	4			
vii	Re-Installation of 02 Nos Level trolls & level Glass	3	150	No's	6			
viii	Inspection by Process Section (OGDCL)	3	150	No's	6			
ix	Box-Up of Man Hole Size 18" Class 150 RF	18	150	No's	1			
3	Dismantling of manways, level trolls, cleaning and flushing with water Cond./water separator V-2013	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
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							
vi	Cleaning of 02 Nos Level Glass	2	150	No's	4			
vii	Re-Installation of 02 Nos Level trolls & level Glass	3	150	No's	6			
viii	Inspection by Process Section (OGDCL)	3	150	No's	6			
ix	Box-Up of Man Hole Size 18" Class 150 RF	18	150	No's	1			
4	Dismantling of manways, level trolls, cleaning and flushing with water Cond flash separator (V-2023)	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
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							
vi	Cleaning of 02 Nos Level Glass	2	150	No's	4			

Complete ATA-2020 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)
vii	Re-Installation of O2 Nos Level trolls & level Glass	3	150	No's	6			
viii	Inspection by Process Section (OGDCL)	3	150	No's	6			
ix	Box-Up of Man Hole Size 18" Class 150 RF	18	150	No's	1			
5	Cleaning and flushing of flare knock out vessel (V-4102)	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							
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		No's	6				
iii	removal of Corrugated fiber plates inside of CPI tank,		No's	200				
iv	Cleaning/flushing of plates with water							
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							
ix	Box up of Plates							
x	Inspection by Process Section (OGDCL)							
xi	Box-Up of 04 No's level switches, 2" 150lb RF	2	150	No's	4			
xii	Box-Up of Level Troll, Level Glasses & level switches, 3" 150lb RF-2, 2"150lbRF-4, 3/4 150lb-4		150	No's	10			
xiii	Box-Up of liquid drain lines 3", 150lb RF lines	3	150	No's	6			
xiv	Box-Up of Corrugated fiber plates inside of CPI tank,		No's	200				
xv	Dismantling of top plates of CPI Tanks, 5mm plates with different sizes		No's	6				
xvi	Removal Isolation of tank, 6" 150 lb RF Inlet & outlet lines.	6	150	No's	2			
7	Dismantling of manways, level trolls, cleaning and flushing with water Above ground CPI (A-4401 AB)	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		No's	6				
iii	removal of Corrugated fiber plates inside of CPI tank,		No's	200				
iv	Cleaning/flushing of plates with water							
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							
ix	Box up of Plates							
x	Inspection by Process Section (OGDCL)							
xi	Box-Up of 04 No's level switches, 2" 150lb RF	2	150	No's	4			
xii	Box-Up of Level Troll, Level Glasses & level switches, 3" 150lb RF-2, 2"150lbRF-4, 3/4 150lb-4		150	No's	10			
xiii	Box-Up of liquid drain lines 3", 150lb RF lines	3	150	No's	6			

Complete ATA-2020 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)
xiv	Box-Up of Corrugated fiber plates inside of CPI tank,		No's	200				
xv	Dismantling of top plates of CPI Tanks, 5mm plates with different sizes		No's	6				
xvi	Removal Isolation of tank, 6" 150 lb RF Inlet & outlet lines.	6	150	No's	2			
8	Air blowing of PT-1 MemGuard Product Header	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of Ball Valve	24"	600	No's	1			
ii	Air blowing of PT-1 MemGuard Product Header							
iii	Box-Up of Ball Valve	24"	600	No's	1			
9	Air blowing of PT-2 MemGuard Product Header	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of Ball Valve	24"	600	No's	1			
ii	Air blowing of PT-1 MemGuard Product Header							
iii	Box-Up of Ball Valve	24"	600	No's	1			
10	Cleaning and flushing of common membrane feed header							
i	Dismantling of End Blind	24"	600	No's	1			
ii	Air blowing of PT-1 MemGuard Product Header							
iii	Installation of End Blind	24"	600	No's	1			
11	Cleaning and flushing of propane condensers (E-9106 A/B/C/D), interstage fin fan coolers and lube oil coolers of permeate compressors (K-2701 / K-2711 / K-2721), regeneration gas coolers (E-9208/9808), radiators of power engines (G-80004,5 & G-8030)	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	General cleaning, Flushing of Fin fan radiators, Allignment of faulty fan shafts, rectification, replacement of V-drive belts/bearings/greasings etc			Fin Fan radiators	20			
12	Service / rectification / calibration of Annubar in PT-1 and PT-2 area	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Instrumentation Section related Job.							
13	Inspection and servicing of MCC-1/2 modules, Soft starter Motor Module,VFD Moduels, UPS. Servicing and meggering of motors and power cables.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Electrical Section related Jobs.							
14	Corrosion Inhibator injection points at upstream of M-2002, Suction header of PRCP, QICP(New).	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Installation of 3/4" SS, Pipe Fittings Tie-In points, Sch. 40	3/4"	40	Joints	28	22		
15	Corrosion Inhibator injection points at upstream of old slug catcher M-2001	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Box-up of O2 Flanges (Already installed)	3/4"	40	Joints	2			
ii	Combining of O2 pipeline 3/4" SS with each other (SW fittings)	3/4"	40	Joints	12	9		
16	Servicing and function test of 11-ESDV-101 & 11-ESDV-201 actauators	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Instrumentation Section related Job.							
17	Servicing and function test of 20-XV-92201-A and 20-XV-92201-B actuators	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Instrumentation Section related Job.							
19	Calibration of PSVs that do not have isolation	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Instrumentation Section related Job.							
20	Servicing and function test of 20-ESDV-109 actuator	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		

Complete ATA-2020 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)
i	Instrumentation Section related Job.							
21	Servicing and function test of 20-ESDV-110 actuator	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Instrumentation Section related Job.							
22	Replacement of LCV-106 with valve with new rating (V-2003)	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Instrumentation Section related Job.							
23	Replacement of LCV-206 with valve with new rating (V-2013)	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Instrumentation Section related Job.							
24	Replace/Repair two 4" suction valves of P-4406C/D	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Job not available Yet.							
25	Checking for Passing problem / recitification / service of 20-PCV-104	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Instrumentation Section related Job.							
26	Checking for Passing problem / recitification / service 20-PCV-204	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Instrumentation Section related Job.							
27	Passing problem recitification / service of PCV-9085	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Instrumentation Section related Job.							
28	Passing problem recitification / service of PCV-92201	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Instrumentation Section related Job.							
29	Replacement of 6" dia inlet valve at above ground CPI, A-4401A.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of existing Gate valve	6"	150	No's	1			
ii	Installation of new Gate valve, with gaskets	6"	150	No's	1			
30	Replacement of 6" dia inlet valve at above ground CPI, A-4401B	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of existing Gate valve	6"	150	No's	1			
ii	Installation of new Gate valve, with gaskets	6"	150	No's	1			
31	Replacement of 6" emergency valve towards M-5604A.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of existing Gate valve	6"	600	No's	1			
ii	Installation of new Gate valve, with gaskets	6"	600	No's	1			
32	Replacement of 6" emergency valve towards M-5604B.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of existing Gate valve	6"	600	No's	1			
ii	Installation of new Gate valve, with gaskets	6"	600	No's	1			
33	Replacement of pump, P-4406D discharge valve (4").	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of existing Gate valve	4"	600	No's	1			
ii	Installation of new Gate valve, with gaskets	4"	600	No's	1			

Complete ATA-2020 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)
34	Replacement of above ground CPI, A-4401A water side outlet valve 2" towards pumps P-4402AA/AB.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of existing Gate valve	2"	150	No's	1			
ii	Installation of new Gate valve, with gaskets	2"	150	No's	1			
35	Replacement of downstream valve 8" of XV-9701 (Regeneration Gas).	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of existing Ball valve	8"	600	No's	1			
ii	Installation of new Ball valve, with gaskets	8"	600	No's	1			
36	Replacement of two downstream valves 8" of XV-9702 (Regeneration Gas).	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of existing Ball valve	8"	600	No's	2			
ii	Installation of new Ball valve, with gaskets	8"	600	No's	2			
37	Fabrication/installation of permanent line 2" of pumps, P-5605A/B common discharge towards geo-membrane channel.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Fabrication & installation of 2" pipeline	2"	40	Joints	10	20		
38	Fabrication/installation of permanent line 2" of Degasser V-9710 drain pipe towards geo-membrane channel.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Fabrication & installation of 2" pipeline	2"	40	Joints	20	40		
39	Fabrication/installation of permanent lines 2" of Tank, T-9700 drain towards geo-membrane channel.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Fabrication & installation of 2" pipeline	2"	40	Joints	40	80		
40	Rerouting of 3" dia liquid drain line of PT-1 Scrubber V-9209 from front to backside of Memgaurd vessels.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Fabrication & installation of 3" pipeline	3"	40	Joints	15	45		
ii	Dismantling and removal of Old lines	3"	40	Joints	6			
iii	Box-Up of New lines 3"	3"	40	No's	6			
41	Fabrication for PT-2 Regeneration gas cooler isolation valves.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Cutting of existing 6", Sch. 80 lines for installation of 02 Flanges	6"	80/600	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			
42	Tie-in of PT-2 Regeneration gas Scrubber inlet line to Flare Header.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Cutting of existing 6", Sch. 80 lines for installation of 01 Equal Tee							
ii	Piping modification as per sketch 6"	6	80 Sch.	Joints	6	36		
iii	Box up of 6" valves	3	80 Sch.	Joints	4	12		
SUB TOTAL (including all taxes except PST/ICT) (Mech. SOW, Complete Main Plant) =								

ATA-2020 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 of Man Hole Flange (Size 20" RTJ 600)	20"	600	No's	1		
iii	Dismantling of Top flange 18", RTJ 600lb	18"	600	No's	1		
iv	Dismantling of 3" liquid drain line flanges	3"	600	No's	2		
v	Openign troll & Level Glass	3"	600	No's	4		
vi		2"	600	No's	6		
vii	Cleaning of Level Glass						
viii	Box up of Level Glass						
ix	Internal Flushing With Water						
x	Inspection by Process Section (by OGDCL)						
xi	Box Up of Man Holes Flange, Top flange, drain lines & level trolls etc						
xii	De-Blinding						
2	Dismantling of manways, level trolls, cleaning and flushing with water Regenration gas scrubbers of PT-1 (V-9209)	Size	lb/Sch.	UOM	Qty		
i	Opening of top flanges (RTJ, 600#, size 24")	24"	600	No's	1		
ii	Dismantling of bottom liquid drain line	2"	600	No's	2		
iii	Dismantling of level troll	3"	600	No's	3		
iv	Dismantling 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	1	600	Pad	1		
vii	Cleaning of demister pad with water						
viii	Flushing of the vessels with water.						
ix	Re-installation of demister pads						
x	Inspection by Process Section (by OGDCL)						
xi	Box-up of top flanges (RTJ, 600#, size 24") and drain lines.						
xii	De-Blinding						
3	Dismantling of manways, level trolls, cleaning and flushing with water of Filter Coalscer filters of PT-1 (180 elements)	Size	lb/Sch.	UOM	Qty		
i	Dismantling of Man Hole of the Filer Coaleaser Vessle 18" (02 Nos)	18"	600	No's	2		
ii	Dismantling of liquid drain line 3", 600lb RTJ	3"	600	No's	2		
iii	Installation of Ventilation Fans (02 Nos)						

ATA-2020 Activities for Shutdwon of PT-1

Sr#	Description					Unit Price (including all	Total Line Price (including all
iv	Removal of Retaining Plates, Installed over threaded Rods.						
v	Removal of Ventilation fan						
vi	Replacement of filters (Removal of Old filters 187 No's & installation of same new filters)						
vii	Box up of the vessel						
4	Passing problem recitification / service of PCV-9074	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
5	Passing problem recitification / service of LCV-9075	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
6	Passing problem recitification / service of LCV-9077	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
7	Passing problem recitification / service of PCV-9273	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
8	Passing problem recitification / service of LCV-9081A/B	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
9	Passing problem recitification / service of 20-PCV-108	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
10	Inspection, cleaning, repair and function / leak test of all UV's (31 nos.) of memguard PT-1.	Size	lb/Sch.	UOM	Qty		
i	Dismantling of 31 No's UV control valves (Butterfly).	6"	600	Valve	31		
ii	Dismantling of 01 No's UV control valves (Butterfly).	12"	600	Valve	1		
iii	Lapping of butterfly valve seats & hydro test 10% of UV's & leak test of all UVs.						
iv	Leak Testing of all valves						
v	Installation of all UV valves at respective locations.						
11	Preventive maintenance of metering system (GC, gas and moisture analyzers)	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
12	Inspection and servicing of MCC modules, Soft starter Motor Module,VFD Moduels, UPS. Servicing and meggering of motors and power cables.	Size	lb/Sch.	UOM	Qty		
	Electrical Section related Job.						

ATA-2020 Activities for Shutdwon of PT-1

Sr#	Description					Unit Price (including all	Total Line Price (including all
13	Commissioning and start up of PT-1 UPS (10KVA)	Size	lb/Sch.	UOM	Qty		
	Electrical Section related Job.						
14	Inspection/Callibration of FT-9001, FT-9273, FT-9301	Size	lb/Sch.	UOM	Qty		
	Electrical Section related Job.						
15	Calibrtaion of PSV's of PT-1	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
16	Complete inspection of both convection and radiation zone of regeneration gas heater PT-1	Size	lb/Sch.	UOM	Qty		
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		
17	Retrieval and installation of corrosion coupons from plant piping of PT-1	Size	lb/Sch.	UOM	Qty		
	Electrical Section related Job.						
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	Dismantling of manways, level trolls, cleaning and flushing with water of Inlet separators (V-9700 A/B), Feed gas header of both PT- 2						
i	Positive Isolation, Reverting 04 No's spacticle blinds 16", 600lb, RTJ	18	600	No's	4		
ii	Dismantling of Man Hole Flange (Size 20" RTJ 600)	20	600	No's	1		
iii	Dismantling of Top flange 18", RTJ 600lb	18	600	No's	1		
iv	Dismantling of 3" liquid drain line flanges	3	600	No's	2		
v	Openign troll & Level Glass	3	600	No's	4		
vi		2	600	No's	6		
vii	Cleaning of Level Glass						
viii	Box up of Level Glass						
ix	Internal Flushing With Water						
x	Inspection by Process Section (by OGDCL)						
xi	Box Up of Man Holes Flange, Top flange, drain lines & level trolls etc						
xii	De-Blinding						
2	Air blowing of memguard product line PT-2	Size	lb/Sch.	UOM	Qty		
	Air blowing of memguard product line PT-2, 12", 15 ft length with both end open flanges						
3	Dismantling of manways, level trolls, cleaning and flushing with water of Regeneration gas scrubbers of PT-2 (V-9809)	Size	lb/Sch.	UOM	Qty		
i	Opening of top flanges (RTJ, 600#, size 24")	24"	600	No's	1		
ii	Dismantling of bottom liquid drain line	2"	600	No's	2		
iii	Dismantling of level troll	3"	600	No's	3		
iv	Dismantling 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						
viii	Flushing of the vessels with water.						
ix	Re-installation of demister pads						
x	Inspection by Process Section (by OGDCL)						
xi	Box-up of top flanges (RTJ, 600#, size 24") and drain lines.						
xii	De-Blinding						
4	Passing problem recitification / service of LCV-9700A/B	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
5	Passing problem recitification / service of PCV- 9774	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						

Activities for Partial Shutdown of PT-2

Sr No.	Description	Size	lb/Sch.	UOM	Qty	Unit Price (including all)	Line Price (including all)
6	Passing problem recitification / service of LCV-9775	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
7	Passing problem recitification / service of LCV-9777	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
8	Passing problem recitification / service of LCV-9892	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
9	Rectification of ZSL-9884 (Valve's handle is missing)	Size	lb/Sch.	UOM	Qty		
	Installation of Lever type handle after machining & sizing						
10	Passing problem recitification / service of PCV- 9873	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
11	Passing problem rectification/service of PCV-9774	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
12	Passing problem recitification / service of PCV-9709	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
13	Inspection, cleaning, repair and function / leak test of all UV's (24 nos.) of memguard PT-2.	Size	lb/Sch.	UOM	Qty		
i	Dismantling of 24 No's UV control valves (Butterfly).	6"	600	Valve	23		
ii	Dismantling of 01 No's UV control valves (Butterfly).	12"	600	Valve	1		
iii	Lapping of butterfly valve seats & hydro test 10% of UV's & leak test of all UVs.						
iv	Leak Testing of all valves						
v	Installation of all UV valves at respective locations.						
14	Dismantling of manways, level trolls, cleaning and flushing with water of Filter Coalscer filters of PT-2	Size	lb/Sch.	UOM	Qty		
i	Dismantling of Man Hole of the Filer Coaleaser Vessle 18" (02 Nos)	18"	600	No's	2		
ii	Dismantling of liquid drain line 3", 600lb RTJ	3"	600	No's	2		
iii	Installation of Ventilation Fans (02 Nos)						
iv	Removal of Retaining Plates, Installed over threaded Rods.						
v	Removal of Ventilation fan						
vi	Replacement of filters (Removal of Old filters 187 No's & installation of same new filters)						
vii	Box up of the vessel						
15	General inspection of fans and motors of PT-2 Regn. Cooler	Size	lb/Sch.	UOM	Qty		

Activities for Partial Shutdown of PT-2

Sr No.	Description	Size	lb/Sch.	UOM	Qty	Unit Price (including all)	Line Price (including all)
	Job on Hold.						
16	Preventive maintenance of metering system (GC, gas and moisture analyzers)	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
17	Inspection and servicing of MCC modules, Soft starter Motor Module,VFD Moduels, UPS. Servicing and meggering of motors and power cables.	Size	lb/Sch.	UOM	Qty		
	Electrical section related Job.						
18	Service/Calibration of FT-9701, FT-9811/21/31/41, FT-9873, FT-9871 and FT-9901 of PT-2	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
19	Service/Calibration of LT-9700A/B, LT-9775/77 and LT-9892 of PT-2	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
20	Cleaning/Inspection of PT-2 heater blowers and their intake filter	Size	lb/Sch.	UOM	Qty		
	Replacement of Blower Filters			No's	2		
21	Calibraion of PSV's	Size	lb/Sch.	UOM	Qty		
	Instrumentation Section related Job.						
22	Complete inspection of both convection and radiation zone of regeneration gas heater PT-2.	Size	lb/Sch.	UOM	Qty		
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		
23	Retrieval and installation of corrosion coupons from plant piping of PT-2 area.	Size	lb/Sch.	UOM	Qty		
	Electrical section related Job.						
24	Replacement of 03 memguards Vessels Media replacement job	Size	lb/Sch.	UOM	Qty		
i	Shifting of Memguard Chemical from Store to Plant						
ii	Scaffolding up to decanting Nozzles for removal of End Blind (10 ft height)	10'x10'x10'		No's	3		
iii	Dismantling of TOP Elbow Size 24" x 14"	24"		No's	3		
iv	Dismantling of End Blind 18" of Decanting Nozzle	18"		No's	3		

Activities for Partial Shutdown of PT-2

Sr No.	Description	Size	lb/Sch.	UOM	Qty	Unit Price (including all)	Line Price (including all)
v	Removal of Product Line 12", Flanges	12"		No's	6		
vi	Installtion of ventilation fan for removal of Hydrocarbons from vessel						
vii	Decanting of Memguard Chemical						
viii	Removal of meshes retaining ring						
ix	Removal of Meshes						
x	Removal of grating plates						
xi	Internal Inspection by UoP rep						
xii	Refractory repair work as per instruction by M/s UoP rep (By Refra Products experts), Settling time 24 Hrs.						
xiii	Welding job inside vessel (Bolts welding) (if required)						
xiv	Internal Inspection by UoP rep						
xv	Installation of grating plates, New Meshes (03 No's), Retaining Rings & bolts tightening.						
xvi	Box of decanting Nozzle 18"						
xvii	Refilling of Memguards Chemical						
xviii	Adding up Floating mesh as per Process requirement.						
xix	Box Up of vessel & associated lines						
xx	Shifting of Used Memguard Chemical from plant to specified area						
25	Installation of Flaring PCV	Size	lb/Sch.	UOM	Qty		
i	Take off 12" Point from 42" Header	12	80	Joints	14		
ii	Installation of Pre-Fabricated Piping Assy						
iii	Tie-In with 14" Flare Header	14	40	Joints	2		
SUB TOTAL (including all taxes except PST/ICT) (Mech. SOW, PT-2) =							

Complete ATA-2020 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 Line Price (including all taxes except PST/ICT)
1	Cleaning and flushing of Main common suction header of QICP front end compressors							
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							
iii	Installation of Suction header End Blind Flange with Ring type Gasket 26" dia	26"	600	No's	1			
2	Cleaning and flushing of inter and after stage coolers of PRCP A,B&C	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Wrapping of Fan motors with Polythene sheet (if required)							
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							
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.							
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							
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			

Complete ATA-2020 Activities on Front End Compression

Sr. No.	Description	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch	Unit Price (including all	Total Line Price (including all taxes
iv	Cleaning & flushing of vessel							
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)							
ii	External Cleaning of Inter & After stage Fin Fan coolers with water & Detergent.			Fin Fan Radiators	3			
8	Cleaning and flushing of fin fans coolers of all 14 QICP compressors.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
ii	External Cleaning of Inter & After stage Fin Fan coolers with water & Detergent.			Fin Fan Radiators	14			
9	Rectification of passing problem of isolating valves of PCV-235 PCV-236 and PCV-237 (Appropriate Class valve should also be installed.)	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of Existing Valves 4" 150# RF	4	150	No's	3	-		
ii	Cutting of Existing Flanges 4" 150# RFWN	4	150	No's	6	-		
iii	Welding of New Flanges 4" 600# RF WN	4	40	Joints	6	24		
iv	Installation of New Ball valves 4" RF 600# (with Gaskets SW 4" 600#)	4	600	No's	3	-		
10	Rectification of passing problem of XV-0105 A/B/C located at suction line of PRCP units A/B and C	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
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			
11	Rectification of BDV's of FEC area					Instrument Job		
12	Installation of PRCP Units A/B/C Exhaust Emission Monitoring Sample Points	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Installation of Exhaust monitoring spool with Blind Flange (2" Pipe)	2	40	Joints	6	12		
ii	Installation of Exhaust Emission monitoring Spool (Threaded portion) For PRCP units A/B/C	2	40	Joints	21	42		

Complete ATA-2020 Activities on Front End Compression

Sr. No.	Description	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch	Unit Price (including all	Total Line Price (including all taxes
13	Change the direction of Hand wheel of Suction valve of Turbine A/B/C (change the wheel direction perpendicular to the valve of the suction line). With proper plat form.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Pre-Fabrication of 2" Spool (03 Spools for 03 Turbines)	2"	80	Joints	24	48		
ii	Cutting of Existing Field joints for Spool welding / Installation at 2" line	2"	80	Joints	6			
iii	Welding / Installation of Spools (Field Joints)	2"	80	Joints	9	18		
iv	Installation of Existing Valves 2" RF with Gaskets	2"	600	No's	6			
v	Dismantling of valve gear box for changing of Handle, (16" valves Mannual Gear Box)			No's	3			
14	Servicing of PRCP suction and discharge header BDVs					Instrument Job		
15	Overhauling of All 14 QICP Compressors Manual suction and discharge valves.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of Ball valves (10" RF 600#) at Suction line of QICP Compressors	10"	600	No's	14			
ii	Servicing / repair of Ball valves and its Gear Boxes	10"	600	No's	14			
iii	Leak Test of valves (For valve seat & seals)	10"	600	No's	14			
iv	Hydrotesting of valves (for Shell / Body)	10"	600	No's	14			
v	Installation of Ball valves (10" RF 600#) at Scution line of QICP Compressors	10"	600	No's	14			
vi	Dismantling of Ball valves(8" RTJ 600#) at Discharge line of QICP Compressors	8"	600	No's	14			
vii	Servicing / repair of Ball valves and its Gear Box	8"	600	No's	14			
viii	Leak Test of valves (For valve seat & seals)	8"	600	No's	14			
ix	Hydrotesting of valves (for Shell / Body)	8"	600	No's	14			
x	Installation of Ball valves (8" RTJ 600#) at Discharge line of QICP Compressors	8"	600	No's	14			
16	Installation of Orifice on fuel gas line to PRCP turbine "C" and Turbine "A"	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Cutting of existing 3" Pipe for Installation of Orifice Flanges at Turbine C & A	3"	40	Joints	4			
ii	Welding / Installation of Orifice Flange 3" RF 600# at Turbine C & A with Gaskets. (Flanges to be provided by Inst)	3"	40	Joints	4	12		
17	Liquid Drain Dump Valves of All 14 Compressors rectification, Function test and calibration	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
i	Dismantling of Valve inlet / outlet joints (Threaded)	3/4"	800	No's	14			
ii	Box-up of Valve inlet / outlet joints (Threaded)	3/4"	800	No's	14			
18	Provision for Fuel gas measurement for rental gas generators , Power house II	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
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		
19	Extention of LP&HP Turbo Compressor local drain lines at PRCP	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		

Complete ATA-2020 Activities on Front End Compression

Sr. No.	Description	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch	Unit Price (including all)	Total Line Price (including all taxes)
	Pre-Fabrication of 1", CS piping Assy. Socket Welds at 03 Turbines	1"	40	Joints	100	100		
20	Provision of Drain point at PRCP Suction Common header and extend to the local drain pit.	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
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		
21	Provision of flare line on fuel gas header at Power house II	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
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			
22	Provision of By pass line of ESDV-002 & ESDV-003 (QICP waukesha engins fuel gas ON/OFF valve)	Size	lb/Sch.	UOM	Qty	Welding Dia-Inch		
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			

SUB TOTAL (including all taxes except PST/ICT) (Mech. SOW, Complete FEC) =

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Sr.#	Equipment Tag No.	Equipment Description	Equipment Type	Operating Temperature (°F)	Equipment / Component Material Specification	Design Thickness (mm)	Contents/Fluids	Internal Dia (mm)	Length (mm)	Year Of manufacture	UNIT PRICE (including all taxes except PST/ICT)	Total LINE PRICE (including all taxes except PST/ICT)
1	FC-9004	Feed Gas Separator/Filter Coalescer	Vessel	60	SA-516 Gr 70	83	Raw Gas	3220	8366	2002		
2	FC-9704	Feed Gas Separator/Filter Coalescer	Vessel	59	SA-516 Gr 70	83	Raw Gas	3220	8366	2006		
3	V-9809	Regeneration Gas Scrubber	Vessel	85	SA-516 Gr.70	22	Region. Gas	700	2938	2006		
4	E-9301	Regeneration Gas Heater	Heater	422	A-106 Gr.B	7.62	Raw Gas(MG out)	88.8	See As Built Darwing of AJC	Nov.2016		
5	E-9901	Regeneration Gas Heater	Heater	388	ASTM A 106 Gr B	7.62	Raw Gas(MG out)	88.9	See As Built Darwing of OEM	2005		
6	V-2003	Condensate/Water Separator	Vessel	77	SA-516 Gr.70	14	Produced water/condensate	1811	4900	1994		
7	V-2013	Condensate Water Separator	Vessel	78	SA-516 Gr.70	14	Produced water/condensate	2136	5450	2002		

SUB TOTAL (including all taxes except PST/ICT) (Inspection SOW) =

Note:

- 1 All material i-e Gaskets etc required for Inspection of these vessels has already been summarized in Cleaning & Flushing activity of these vessels . No additional 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.

LIST OF MAINTENANCE ACTIVITIES TO BE PERFORMED DURING ATA-2014

Electrical Activities at Main Plant

1	Power House/MCC-1	UOM	Qty.	Unit Price (including all taxes except PST/ICT)	Total Line Price (including all taxes except PST/ICT)
1.1	Inspection cleaning and servicing of ACB of All Generators and Bus Couplers	No's	8		
1.2	Inspection, servicing and cleaning of Generator and Generator control panel and Replacemnt of faulty parts if required.	No's	6		
	Inspection and servicing of Power House Motors and Meggering power cables, (Replacemnt of faulty parts if required)	No's	6		
	Inspection and servicing of Power House Motors control modules, (Replacemnt of faulty parts if required)	No's	20		
	Physical Inspection of BTB (Bus Tie Duct) lenght 30 ft. Checking and retightening of Bus Bar - nut bolts etc at MCC-1	No's	1		
1.3	Servicing, cleaning and inspection of UPS Panels and UPS batteries, (Replacemnt of faulty parts if required)	No's	4		
2	Refrigeration Area	UOM	Qty.		
2.1	Inspection and servicing of (Ref. comp. A) motors and meggering of power cables,(Replacemnt of faulty parts if required)	No's	11		
2.2	Servicing and cleaning of (Ref. comp. A) motor control modules (Replacemnt of faulty parts if required)	No's	11		
2.3	Inspection and servicing of (Ref. comp. B) motors and meggering of power cables,(Replacemnt of faulty parts if required)	No's	11		
2.4	Servicing and cleaning of (Ref. comp. B) motor control modules (Replacemnt of faulty parts if required)	No's	11		
2.5	Inspection and servicing of (Ref. comp. C) motors and meggering of power cables,(Replacemnt of faulty parts if required)	No's	11		

LIST OF MAINTENANCE ACTIVITIES TO BE PERFORMED DURING ATA-2014

2.6	Servicing and cleaning of (Ref. comp. C) motor control modules (Replacemnt of faulty parts if required)	No's	11		
2.7	Inspection and servicing of (Ref. comp. D) motors and meggering of power cables,(Replacemnt of faulty parts if required)	No's	11		
2.8	Servicing and cleaning of (Ref. comp. D) motor control modules (Replacemnt of faulty parts if required)	No's	11		
2.9	Inspection and servicing of Auxiliarily motors and meggering of power cables,(Replacemnt of faulty parts if required)	No's	10		
3	Servicing and cleaning of Auxiliarily motors control modules (Replacemnt of faulty parts if required)	No's	10		
3.1	Servicing and cleaning of Air condensor VFDs	No's	8		
4	Turbine # 2	UOM	Qty.		
4.1	Servicing and cleaning of Turbine 2 motors and meggering of power cables, (Replacemnt of faulty parts if required)	No's	12		
4.2	Servicing and cleaning of Motor control modules, (Replacemnt of faulty parts if required)	No's	12		
4.3	Cleaning and testing of batteries and battery terminal of UPS Tag no. DCP-1-2	No's	1		
4.4	Servicing,cleaning and inspection of UCP DCP 1-2 (Panel and accessories)	No's	1		
4.5	Servicing and cleaning of UCP Panel DCP 1-2 (Panel and accessories)	No's	1		
5	Turbine # 3	UOM	Qty.		
5.1	Servicing and cleaning of Turbine 3 motors and meggering of power cables, (Replacemnt of faulty parts if required)	No's	12		
5.2	Servicing and cleaning of Motor control modules, (Replacemnt of faulty parts if required)	No's	12		
5.3	Servicing and cleaning of VFD Panel Turbine 3 (Panel and accessories)	No's	1		
5.4	Servicing, cleaning of UPS-for Turbine # 3 (Panel and accessories)	No's	1		
7	PT-1	UOM	Qty.		
7.1	Servicing and cleaning of PT-1 motors and meggering of power cables, (Replacemnt of faulty parts if required)	No's	11		

LIST OF MAINTENANCE ACTIVITIES TO BE PERFORMED DURING ATA-2014

7.2	Servicing and cleaning of motor control modules, (Replacemnt of faulty parts if required)	No's	11		
7.3	Servicing and cleaning of VFDs	No's	3		
7.4	Servicing and cleaning of soft starter for PT-1	No's	1		
7.5	Serviceing and cleaning of UPS for PT-1 PLC & HMI	No's	1		
9	Instrument Air Compressors and other Auxiliarlies (Mother Plant)	UOM	Qty.		
9.1	Servicing and cleaning of motors and meggering of power cables, (Replacemnt of faulty parts if required)	No's	12		
9.2	Servicing and cleaning of motor control modules, (Replacemnt of faulty parts if required)	No's	12		
10	Turbine A (FEC Area)	UOM	Qty.		
10.1	Inspection and servicing of Turbine A motors and meggering of power cables, (Replacemnt of faulty parts if required)	No's	10		
10.2	Inspection and servicing of Turbine A Motors control modules, (Replacemnt of faulty parts if required)	No's	10		
10.3	Servicing and cleaning of Turbine A VFD	No's	1		
11	Turbine B (FEC Area)	UOM	Qty.		
11.1	Inspection and servicing of Turbine B motors and meggering of power cables, (Replacemnt of faulty parts if required)	No's	10		
11.2	Inspection and servicing of Turbine B Motors control modules, (Replacemnt of faulty parts if required)	No's	10		
11.3	Servicing and cleaning of Turbine B VFD	No's	1		
12	Turbine C (FEC Area)	UOM	Qty.		
12.1	Inspection and servicing of Turbine C motors and meggering of power cables, (Replacemnt of faulty parts if required)	No's	10		

LIST OF MAINTENANCE ACTIVITIES TO BE PERFORMED DURING ATA-2014

12.2	Inspection and servicing of Turbine C Motors control modules, (Replacemnt of faulty parts if required)	No's	10		
12.3	Servicing and cleaning of Turbine C VFD	No's	1		
13	Instrument Air Compressors and other Auxiliarlies (FEC)	UOM	Qty.		
13.1	Servicing and cleaning of motors and meggering of power cables, (Replacemnt of faulty parts if required)	No's	12		
13.2	Servicing and cleaning of motor control modules, (Replacemnt of faulty parts if required)	No's	14		
13.3	Servicing and cleaning of soft starter for Instrument Air Compressor Motors	No's	2		
14	Power House-2/MCC-2	UOM	Qty.		
14.1	Servicing, cleaning and inspection of UPS, (Replacemnt of faulty parts if required)	No's	6		
14.2	Servicing, cleaning and inspection of UPS batteries, (Replacemnt of faulty parts if required)	No's	6		
14.3	Inspection cleaning and servicing of ACB of All Generators and Bus Couplers	No's	4		
SUB TOTAL (including all taxes except PST/ICT) (Elect. SOW, CSD MP & FEC) :					

Sr #	Job Title	Scope Of Work	Quantity	Unit Price (including all taxes except PST/ICT)	Total amount (including all taxes except PST/ICT)
1	Cleaning and Servicing of Motor Control Module	<ul style="list-style-type: none"> •Checking and retightening the module for loose connection, greasing of contacts •Checking and cleaning circuit breaker, magnetic contactor, overload relay, fuse, control circuit and power cables and replacement (if faulty). 	160 Nos.		
2	Cleaning and Servicing of UPS Panel and Batteries	<ul style="list-style-type: none"> •Checking and retightening the UPS Panel and batteries terminals for loose connections •Cleaning of Panel and batteries, greasing of batteries terminals 	13 Nos.		
3	Magging of Plant Motors along with Power Cables	<ul style="list-style-type: none"> •Magging of Motor windings and Power cables •Cleaning of Motors 	160 Nos.		
4	Cleaning and Servicing of Air Circuit Breaker	<ul style="list-style-type: none"> •Inspection and cleaing of Operating mechanism of ACB •Cleaning of Main and Auxiliary contacts 	12 Nos.		
5	Cleaning and Servicing of Variable Frequency Drive(VFD)	<ul style="list-style-type: none"> •Checking of fuses, Power and control cables and retightening of loose connections •Cleaning of Electronic Cards, Trasistors modules 	19 Nos.		
6	Cleaning and Servicing of Soft Starter	<ul style="list-style-type: none"> •Checking of fuses, Power and control cables and retightening of loose connections •Cleaning of Electronic Cards, Trasistors modules 	3 Nos.		
7	Cleaning and Servicing of Generators and Generator Control Panels	<ul style="list-style-type: none"> •Checking and retightening the control and Power cables for loose connection •Checking and cleaning of circuit breakers, magnetic contactor, overload relay, control relays, fuse, control circuit and power cables and replacement (if faulty). •Testing and calibration of securities of Alternator and Engine 	6 Nos.		
8	Inspection and Retightening of Bus Tie Duct	<ul style="list-style-type: none"> •Physical Inspection of BTB (Bus Tie Duct) lenght 32 ft. •Checking and retightening of Bus Bar - nut bolts etc at MCC-1 	1 Nos.		
SUB TOTAL (including all taxes except PST/ICT) (Elect. SOW) =					

INSTRUMENT SECTION WORK SCOPE FOR ATA-2020

S.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 ,positioner, I/P convertor Servicing And Calibration. (Size 1 to 6 Inch)	80		
3	CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.	46		
4	FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation	24		
5	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.	65		
6	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.	273		
7	PRESSURE DIFF. SWITCH Servicing and Calibration.	10		
8	PRESSURE SWITCH Servicing and Calibration.	57		
9	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)	54		
10	TEMPERATURE SWITCH Servicing and Calibration.	63		
		737	SUB TOTAL (including all taxes except PST/ICT) (Inst. SOW, Scope Contractor)	

Note: Un-planned jobs will be executed as per contractor given rates as per Quotation

ACTIVITIES INSTRUMENT SECTION FOR ATA-2020

Sr.No.	ATA-20	TAG	DESCRIPTION	PARENT	LOCATION	MANUFACTURER	MODLE /TYPE	SERIAL NO.	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		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
2	1	1-FCV-01-03A	CONTROL VALVE	X-0102A	QP-AREA-10	NELES JAMESBURY	B1JA 20/70U/4210		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
3	1	1-LCV-01-04A	CONTROL VALVE	X-0102A	QP-AREA-10	FISHER	667.30/EZ.1"/582i		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
4	1	1-LCV-01-09A	CONTROL VALVE	X-0102A	QP-AREA-10	FISHER	667.30/EZ.1"/582i		3-15 PSI	1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
5	1	1-PDCV-201M	CONTROL VALVE	X-0102A	QP-AREA-10	NIIGATA MASONEILAN CO.	27-28130-5		3-15 PSI		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
6	1	1-PDCV-301M	CONTROL VALVE	X-0102A	QP-AREA-10	NIIGATA MASONEILAN CO.	27-28130-5		3-15 PSI		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
7	1	1-PV-01-05A	CONTROL VALVE	X-0102A	QP-AREA-10	FISHER	1031-A11-PMV2020		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
8	1	1-PV-02-35A	CONTROL VALVE	X-0102A	QP-AREA-10	FISHER	657/ED.3"/3582i	15007801	3-15 PSIG	3" 600 RF	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
9	1	2-FCV-01-02B	CONTROL VALVE	X-0102B	QP-AREA-10	NELES JAMESBURY	B1JA 20/70U/4210		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
10	1	2-FCV-01-03B	CONTROL VALVE	X-0102B	QP-AREA-10	NELES JAMESBURY	B1JA 20/70U/4210		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
11	1	2-LCV-01-04B	CONTROL VALVE	X-0102B	QP-AREA-10	FISHER	667.30/EZ.1"/582i		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
12	1	2-LCV-01-09B	CONTROL VALVE	X-0102B	QP-AREA-10	FISHER	667.30/EZ.1"/582i		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
13	1	2-PDCV-201M	CONTROL VALVE	X-0102B	QP-AREA-10	NIIGATA MASONEILAN CO.	27-28130-5		3-15 PSI		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		

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14	1	2-PDCV-301M	CONTROL VALVE	X-0102B	QP-AREA-10	NIIGATA MASONEILAN CO.	27-28130-5		3-15 PSI		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
15	1	2-PV-01-05B	CONTROL VALVE	X-0102B	QP-AREA-10	FISHER	1031-A11-PMV2020		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
16	1	2-PV-02-35B	CONTROL VALVE	X-0102B	QP-AREA-10	FISHER	657/ED.3"/3582i	15007802	3-15 PSIG	3" 600 RF	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
17	1	3-FCV-01-02C	CONTROL VALVE	X-0102C	QP-AREA-10	NELES JAMESBURY	B1JA 20/70U/4210		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
18	1	3-FCV-01-03C	CONTROL VALVE	X-0102C	QP-AREA-10	NELES JAMESBURY	B1JA 20/70U/4210		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
19	1	3-LCV-01-04C	CONTROL VALVE	X-0102C	QP-AREA-10	FISHER	667.30/EZ.1"/582i		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
20	1	3-LCV-01-09C	CONTROL VALVE	X-0102C	QP-AREA-10	FISHER	667.30/EZ.1"/582i		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
21	1	3-PDCV-201M	CONTROL VALVE	X-0102C	QP-AREA-10	NIIGATA MASONEILAN CO.	27-28130-5		3-15 PSI		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
22	1	3-PDCV-301M	CONTROL VALVE	X-0102C	QP-AREA-10	NIIGATA MASONEILAN CO.	27-28130-5		3-15 PSI		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
23	1	3-PV-01-05C	CONTROL VALVE	X-0102C	QP-AREA-10	FISHER	1031-A11-PMV2020		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
24	1	3-PV-02-35C	CONTROL VALVE	X-0102C	QP-AREA-10	FISHER	657/ED.3"/3582i	15007803	3-15 PSIG	3" 600 RF	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
25	11	20-FCV-107	CONTROL VALVE	V-2003	QP-AREA-20	NUOVO PIGNONE	UPC/11/NXP1/FR20.1 BEL LOFRAM		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
26	11	20-FCV-207	CONTROL VALVE	V-2013	QP-AREA-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	CONTROL VALVE	V-2003	QP-AREA-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). (Size 1 to 6 Inch)		

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28	11	20-LCV-110	CONTROL VALVE	V-2003	QP-AREA-20	NUOVO PIGNONE	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	CONTROL VALVE	V-2013	QP-AREA-20	MASONEILAN	88.21124	MSP-10248-2-1		2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
30	11	20-LCV-220	CONTROL VALVE	V-2013	QP-AREA-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-AREA-20	NUOVO PIGNONE	ULN.BI/13/NXP1/FR20.1	8001636/4	0-100 %	6" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
32	1	20-PCV-104	CONTROL VALVE	V-2003	QP-AREA-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). (Size 1 to 6 Inch)		
33	1	20-PCV-204	CONTROL VALVE	V-2013	QP-AREA-20	FISHER	657.30/EZ .1.5"	0016514047		1" 150 RF	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
34	1	20-PCV-9085	CONTROL VALVE	M-2001	QP-AREA-20	FISHER	667.70/ET.6"/646	0016509279	0-100 %	6" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
35	1	20-PCV-9086	CONTROL VALVE	V-2023	QP-AREA-20	FISHER	657.30/EZ 1"		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
36	1	20-PCV-92201	CONTROL VALVE	M-2002	QP-AREA-20	FISHER	667/ET.6	0017667795	3 - 15 PSI	6" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
37	11	26-FCV-92111	CONTROL VALVE	A-2613A-E	QP-AREA-26	FISHER	G3010-00 DA M3WJ/67CFR-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-AREA-26	BETTIS	GO1010M3.00/646(FISHER)		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
39	11	26-FCV-9623	CONTROL VALVE	A-2623A-C	QP-AREA-26	BETTIS	GO1010M3.00/646(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-AREA-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-AREA-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-AREA-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-AREA-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)		

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44	1	26-PCV-102.	CONTROL VALVE	A-2603 A-E	QP-AREA-26	PARCOL	1-2471 DR SIZE 20" CV 14200		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
45	1	26-PCV-104	CONTROL VALVE	A-2653	QP-AREA-26	PARCOL	1.2471/1.X.271/2.4649/2.786		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
46	1	26-PCV-1180	CONTROL VALVE	A-2653	QP-AREA-26	ABB KENT	12.834J/G4.075HM/P3300/X1004FA		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
47	1	26-PCV-1280	CONTROL VALVE	A-2663	QP-AREA-26	ABB KENT	12.834J/G4.075HM/P3300/X1004FA		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
48	1	26-PCV-204	CONTROL VALVE	A-2663	QP-AREA-26	PARCOL	1.2471/1.X.271/2.4649/2.786		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
49	1	26-PCV-9704	CONTROL VALVE	A-2603 A-E	QP-AREA-26	FISHER	1052.60/8532.14"/12P-100		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
50	11	26-TCV-1272	CONTROL VALVE	A-2661	QP-AREA-26	NUOVO PIGNONE	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-AREA-27	NUOVO PIGNONE	UCH.BI/DIAPHRAM/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-AREA-27	NUOVO PIGNONE	UCH.BI/DIAPHRAM/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-AREA-27	NUOVO PIGNONE	UCH.BI/DIAPHRAM/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-AREA-27	NUOVO PIGNONE	UCH.BI/DIAPHRAM/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-AREA-27	NUOVO PIGNONE	UCH.BI/DIAPHRAM/SRP.981(ECKARDT)		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
56	11	27-FCV-1233	CONTROL VALVE	K-2711	QP-AREA-27	NUOVO PIGNONE	UCH.BI/DIAPHRAM/SRP.981(ECKARDT)		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
57	11	27-FCV-1234	CONTROL VALVE	K-2711	QP-AREA-27	NUOVO PIGNONE	UCH.BI/DIAPHRAM/SRP.981(ECKARDT)		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
58	11	27-FCV-313	CONTROL VALVE	K-2721	QP-AREA-27	FISHER	3025.460-200/EUT-2.12"/DVC 6020/4211-8/2625		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
59	11	27-FCV-323	CONTROL VALVE	K-2721	QP-AREA-27	FISHER	3025.P462/EWT.8"/DVC 6020/4211-8/2625		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		

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60	11	27-FCV-333	CONTROL VALVE	K-2721	QP-AREA-27	FISHER	657.45/EWT.6"/DVC 6010 /4211-8/2625		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
61	11	27-FCV-343	CONTROL VALVE	K-2721	QP-AREA-27	FISHER	657.45/ET.4"/DVC 6010/4 211-8/2625		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
62	11	27-LCV-101	CONTROL VALVE	K-2701	QP-AREA-27	NUOVO PIGNONE	UPC.SP/11		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
63	11	27-LCV-103	CONTROL VALVE	K-2701	QP-AREA-27	NUOVO PIGNONE	UPC.SP/11		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
64	11	27-LCV-105	CONTROL VALVE	K-2701	QP-AREA-27	NUOVO PIGNONE	UPC.SP/11		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
65	11	27-LCV-107	CONTROL VALVE	K-2701	QP-AREA-27	NUOVO PIGNONE	UPC.SP/11/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-AREA-27	NUOVO PIGNONE	UPC.SP/11		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-AREA-27	NUOVO PIGNONE	UPC.SP/11		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-AREA-27	NUOVO PIGNONE	UPC.SP/11		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-AREA-27	NUOVO PIGNONE	UPC.SP/11/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-AREA-27	FLOWSERVE			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-AREA-27	FLOWSERVE			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-AREA-27	FLOWSERVE			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-AREA-27	FLOWSERVE			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-AREA-27	NUOVO PIGNONE	UNIV.SPEC		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
75	1	27-PDCV-1102	CONTROL VALVE	K-2701	QP-AREA-27	NUOVO PIGNONE	UNIV.SPEC		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
76	1	27-PDCV-1201	CONTROL VALVE	K-2711	QP-AREA-27	NUOVO PIGNONE	UNIV.SPEC		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		

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77	1	27-PCV-1202	CONTROL VALVE	K-2711	QP-AREA-27	NUOVO PIGNONE	UNIV.SPEC		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
78	11	27-TCV-1151	CONTROL VALVE	K-2701	QP-AREA-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-AREA-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-AREA-30	PARCOL	1.2411/1.X.271/2.4649/2.786		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-AREA-30	NUOVO PIGNONE	ULN.B1/18/NXP1/FR20.1 DAFRAM/67CFR-226		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
82	11	30-PCV-553	CONTROL VALVE	A-3021	QP-AREA-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-AREA-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-AREA-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-AREA-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-AREA-30	FISHER	G4020SR3CW		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-AREA-30	FISHER	657/ET.6"		3-15 PSI		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
88	11	40-LCV-108	CONTROL VALVE	V-4001	QP-AREA-40	NUOVO PIGNONE	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-AREA-44	NUOVO PIGNONE	UPC/11/NXP1/FR20.1 DA FROM		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-AREA-50	NUOVO PIGNONE	UCH/13/NX1P/20FR.1 BE LLOWFRAM		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-AREA-53	NUOVO PIGNONE	UPC.SP/11/NXP1/FR20.1 BELLOFRAM		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
92	11	53-LCV-102	CONTROL VALVE	V-5302	QP-AREA-53	NUOVO PIGNONE	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-AREA-53	MASONEILAN	88-21814 1"		3-15 PSIG		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		

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94	1	53-PCV-101	CONTROL VALVE	V-5300	QP-AREA-53	NUOVO PIGNONE	UCH/11/NXP1/FR20.1 BE LLOFRAM		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
95	1	53-PCV-102	CONTROL VALVE	V-5302	QP-AREA-53	NUOVO PIGNONE	UCH/11/NXP1/FR20.1 BE LLOFRAM		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
96	1	53-PCV-9092	CONTROL VALVE	V-6300	QP-AREA-53	FISHER	667/EZ.1"		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
97	11	53-PCV-9708.	CONTROL VALVE	V-5300	QP-AREA-53	FISHER	776.45/EZ.2"/3582		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-AREA-90	FISHER	1052.40/V500.3"/DVC502 0		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-AREA-90	FISHER	667.40/EZ.2"/DVC5010	EU03298899	102 bar	2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
100	1	90-LCV-9077	CONTROL VALVE	FC-9004	QP-AREA-90	FISHER	667.40/EZ.1.5"/DVC5010	EU03298900	102 bar	1.5" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
101	1	90-LCV-9081A	CONTROL VALVE	V-9000A/B	QP-AREA-90	MASONEILAN	88.21124	MSP-10248-6- 1		1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
102	1	90-LCV-9081B	CONTROL VALVE	V-9000A/B	QP-AREA-90	MASONEILAN	88.21124	MSP-10248-7- 1		1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
103	1	90-PCV-9074	CONTROL VALVE	E-9002A/B	QP-AREA-90	FISHER	1052.60+V500.2"/DVC50 20	EU03302323	90%	2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
104	11	90-TCV-9056.1	CONTROL VALVE	E-9002A/B	QP-AREA-90	FISHER	1052.70/V300B.12"/DVC5 020		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-AREA-90	FISHER	1052.70/V300B.12"/DVC5 020		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-AREA-91	FISHER	657.34/1018S.2"/DVC 50 30		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-AREA-91	FISHER	657.34/1018S.2"/DVC 50 30		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-AREA-91	FISHER	657.34/1018S.2"/DVC 50 30		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-AREA-91	FISHER	657.34/1018S.2"/DVC 50 30		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		

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110	11	91-PCV-9171	CONTROL VALVE	E-9106A-D	QP-AREA-91	FISHER	667.30/EZ.1"/DVC5010/67CFR-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-AREA-91	FISHER	1018S.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-AREA-91	FISHER	1018S.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-AREA-91	FISHER	1018S.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-AREA-91	FISHER	1018S.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-AREA-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-AREA-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-AREA-92	FISHER	667.70/ED.4"/DVC5010		4-20 MA		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
118	1	92-LCV-9292	CONTROL VALVE	V-9209	QP-AREA-92	FISHER	667.30/EZ.1.5"/DVC5010		4-20 MA		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
119	1	92-PCV-9273	CONTROL VALVE	K-9207	QP-AREA-92	FISHER	1052.40/V500.2"/DVC5020	EU03298906		2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
120	11	93-FCV-9311	CONTROL VALVE	E-9301	QP-AREA-93	MO INDUSTRIE	GTXN DN127 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-AREA-93	FISHER	1018S DVC5040 WITH FLOVUE 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-AREA-93	FISHER	667.30+EZ.3"/ DVC5010		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-AREA-94	FISHER	1052.33V500.1.5"/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-AREA-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-AREA-95	FISHER	1052.33V500.1.5"/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-AREA-95	FISHER	1050.60/V500.6"/DVC5020		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		

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127	1	97-LCV-9700A	CONTROL VALVE	V-9700A/B	QP-AREA-97	SEVERN GLOCON LIMITED	SERIES 5000		60-100 PSIG	1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
128	1	97-LCV-9700B	CONTROL VALVE	V-9700A/B	QP-AREA-97	SEVERN GLOCON LIMITED	SERIES 5000		60-100 PSIG	1" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
129	1	97-LCV-9709	CONTROL VALVE	V-9710	QP-AREA-97	SEVERN GLOCON LTD	SERIES 5000		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
130	1	97-LCV-9710	CONTROL VALVE	V-9710	QP-AREA-97	SEVERN GLOCON LTD	SERIES 5000		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
131	11	97-LCV-9761	CONTROL VALVE	E-9703	QP-AREA-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-AREA-97	FISHER	667.40/EZ.2"/DVC5010	EU03457309	60-100 PSIG	2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
133	1	97-LCV-9777	CONTROL VALVE	FC-9704	QP-AREA-97	FISHER	667.40/EZ.1.5"/DVC5010	18209787	102 bar	1.5" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
134	1	97-PCV-9710	CONTROL VALVE	V-9710	QP-AREA-97	SEVERN GLOCON LTD	SERIES 5000		3-15 PSIG		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
135	1	97-PCV-9763	CONTROL VALVE	E-9703	QP-AREA-97	FISHER	1052.12"		4-20 MA		CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		
136	11	97-PCV-9774	CONTROL VALVE	FC-9704	QP-AREA-97	FISHER	1052.60+V500.2"/DVC5020	EU03457322	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-AREA-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-AREA-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-AREA-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-AREA-98	FISHER	667.70/ED.4"/DVC5010		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
141	1	98-LCV-9892	CONTROL VALVE	V-9800	QP-AREA-98	FISHER	667/30+EZ.1.5"/DVC5010	EU03457316	60-100 PSIG	2" 600 RTJ	CONTROL VALVE Dismantling /Servicing And Maintenance (Lapping, Parts Change If Required, Leak Testing, Re installation And Calibration). (Size 1 to 6 Inch)		

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142	11	98-PCV-9873	CONTROL VALVE	K-9807	QP-AREA-98	FISHER	1052.40/V500.2"/DVC5020	EU03457320		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-AREA-99	MO INDUSTRIE	GTXN DN127 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-AREA-99	FISHER	1018S DVC5040 WITH FL OVUE 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-AREA-99	FISHER	667.30+EZ.3"/ DVC5010		4-20 MA		CONTROL VALVE Complete Loop Including Transmitter Servicing And Calibration. (Size 1 to 6 Inch)		
146	1	27-CP-2701	CONTROL PANEL	CCR-7900	QP-AREA-79	NUOVO PIGNONE					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
147	1	27-CP-2711	CONTROL PANEL	CCR-7900	QP-AREA-79	NUOVO PIGNONE					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
148	1	27-CP-2721	CONTROL PANEL	CCR-7900	QP-AREA-79						CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
149	1	79-ABB-01	CONTROL PANEL	CCR-7900	QP-AREA-79	ABB					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
150	1	79-CP-01	CONTROL PANEL	CCR-7900	QP-AREA-79	CARLO GAVAZZI					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
151	1	79-CP-02	CONTROL PANEL	CCR-7900	QP-AREA-79	CARLO GAVAZZI					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
152	1	79-CP-03	CONTROL PANEL	CCR-7900	QP-AREA-79	CARLO GAVAZZI					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
153	1	79-CP-04	CONTROL PANEL	CCR-7900	QP-AREA-79	CARLO GAVAZZI					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
154	1	79-CP-05	CONTROL PANEL	CCR-7900	QP-AREA-79	CARLO GAVAZZI					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
155	1	79-CP-06	CONTROL PANEL	CCR-7900	QP-AREA-79	CARLO GAVAZZI					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
156	1	79-FGCP-01	CONTROL PANEL	CCR-7900	QP-AREA-79	CEPI					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
157	1	79-FGCP-02	CONTROL PANEL	CCR-7900	QP-AREA-79	CEPI					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
158	1	79-PS-01	CONTROL PANEL	CCR-7900	QP-AREA-79	UOP					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
159	1	79-UNIT-90	CONTROL PANEL	CCR-7900	QP-AREA-79	UOP					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
160	1	79-UNIT-91	CONTROL PANEL	CCR-7900	QP-AREA-79	UOP					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
161	1	79-UNIT-92	CONTROL PANEL	CCR-7900	QP-AREA-79	UOP					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
162	1	79-UNIT-93	CONTROL PANEL	CCR-7900	QP-AREA-79	UOP					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
163	1	79-UNIT-96	CONTROL PANEL	CCR-7900	QP-AREA-79	UOP					CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
164	1	85-CP-ESD-01	CONTROL PANEL	CCR-8500	QP-AREA-85	ABB			1500 psi		CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
165	1	85-CP-X0102A	CONTROL PANEL	CCR-8500	QP-AREA-85	SOLAR USA			1500 psi		CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
166	1	85-CP-X0102B	CONTROL PANEL	CCR-8500	QP-AREA-85	SOLAR USA			1500 psi		CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
167	1	85-CP-X0102C	CONTROL PANEL	CCR-8500	QP-AREA-85	SOLAR USA			1500 psi		CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		

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168	1	85-F&G-01	CONTROL PANEL	CCR-8500	QP-AREA-85	ABB			1500 psi		CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
169	1	85-SCS-01	CONTROL PANEL	CCR-8500	QP-AREA-85	ABB			1500 psi		CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
170	1	85-SERVER-01	CONTROL PANEL	CCR-8500	QP-AREA-85	ABB			1500 psi		CONTROL PANEL Termination tightening, cleaning and Dressing. Also Maintenance of Fan.		
171	1	20-FE-94000	FLOW ELEMENT ANN UBAR	M-2001	QP-AREA-20	ROSEMOUNT	DFF+26S200HA2S0SA2CO FC6S0FC6CMS4CO				FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
172	1	26-FE-92100	FLOW ELEMENT ANN UBAR	A-2603 A-E	QP-AREA-26	ROSEMOUNT	DFF+26S200HA2S0SA2CO FC6S0FC6CMS4CO		0-58.875 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
173	1	26-FE-92104	FLOW ELEMENT ANN UBAR	A-2603 A-E	QP-AREA-26	ROSEMOUNT	DFF+26S200HA2S0SA2CO FC6S0FC6CMS4CO		0-22.735 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
174	1	26-FE-92105	FLOW ELEMENT ANN UBAR	A-2603 A-E	QP-AREA-26	ROSEMOUNT	DFF+26S200HA2S0SA2CO FC6S0FC6CMS4CO		0-79.075 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
175	1	26-FE-92106	FLOW ELEMENT ANN UBAR	A-2613A-E	QP-AREA-26	ROSEMOUNT	DFF+26S200HA2S0SA2CO FC6S0FC6CMS4CO		0-58.875 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
176	1	26-FE-92110	FLOW ELEMENT ANN UBAR	A-2613A-E	QP-AREA-26	ROSEMOUNT	DFF+26S200HA2S0SA2CO FC6S0FC6CMS4CO		0-22.735 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
177	1	26-FE-92111	FLOW ELEMENT ANN UBAR	A-2613A-E	QP-AREA-26	ROSEMOUNT	DFF+26S200HA2S0SA2CO FC6S0FC6CMS4CO		0-79.075 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
178	1	26-FE-9601	FLOW ELEMENT ANN UBAR	A-2623A-C	QP-AREA-26	ROSEMOUNT	DFF+26S200HA2S0SA2CO FC6S0FC6CMS4CO		0 - 37.059 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
179	1	26-FE-9603	FLOW ELEMENT ANN UBAR	A-2623A-C	QP-AREA-26	ROSEMOUNT	DFF+26S200HA2S0SA2CO FC6S0FC6CMS4CO		0-28.493 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
180	1	26-FE-9604	FLOW ELEMENT ANN UBAR	A-2623A-C	QP-AREA-26	ROSEMOUNT	DFF+26S200HA2S0SA2CO FC6S0FC6CMS4CO		0-8.6176 "H2O		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
181	1	26-FE-9611A	FLOW ELEMENT ANN UBAR	A-2623A-C	QP-AREA-26	ROSEMOUNT	PBF+26S.100.HAMSO.C00 00.F99SO.F990.2.A.1.A.M S4SO.2.IDL.Q99		0-65.295 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
182	1	26-FE-9611B	FLOW ELEMENT ANN UBAR	A-2623A-C	QP-AREA-26	ROSEMOUNT	PBF+26S.100.HAMSO.C00 00.F99SO.F990.2.A.1.A.M S4SO.2.IDL.Q99		0-65.295 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
183	1	26-FE-9611C	FLOW ELEMENT ANN UBAR	A-2623A-C	QP-AREA-26	ROSEMOUNT	PBF+26S.100.HAMSO.C00 00.F99SO.F990.2.A.1.A.M S4SO.2.IDL.Q99		0-65.295 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
184	1	26-FE-9612A	FLOW ELEMENT ANN UBAR	A-2623A-C	QP-AREA-26	ROSEMOUNT	PBF.26S.100.HAMSO.C00 00F99SO.F990.2.A.1.A.MS 4SO.2.IDL.Q99		0-50.362 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
185	1	26-FE-9612B	FLOW ELEMENT ANN UBAR	A-2623A-C	QP-AREA-26	ROSEMOUNT	PBF.26S.100.HAMSO.C00 00F99SO.F990.2.A.1.A.MS 4SO.2.IDL.Q99		0-50.362 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
186	1	26-FE-9612C	FLOW ELEMENT ANN UBAR	A-2623A-C	QP-AREA-26	ROSEMOUNT	PBF.26S.100.HAMSO.C00 00F99SO.F990.2.A.1.A.MS 4SO.2.IDL.Q99		0-50.362 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
187	1	90-FE-9001	FLOW ELEMENT ANN UBAR	E-9001A/B	QP-AREA-90	ROSEMOUNT	DFF+26S200HA2S0SA2CO FC6S0FC6CMS4CO		0-50.275 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
188	1	91-FE-9176	FLOW ELEMENT ANN UBAR	E-9105	QP-AREA-91	ROSEMOUNT	PBF+26S 080 HAMSO C00 00 FB6SO		0.1-3.44 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
189	1	91-FE-9180	FLOW ELEMENT ANN UBAR	K-9101A	QP-AREA-91	ROSEMOUNT	PNF+10S.020.HAMSO.C10 000.FAS.1.A.1.B3.1.ID				FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
190	1	97-FE-9701	FLOW ELEMENT ANN UBAR	E-9701	QP-AREA-97	INTRA-AUTOMATION	DFF+26S200HA2S0SA2CO FC6S0FC6CMS4CO		0-50.275 "WC		FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
191	1	98-FE-9811	FLOW ELEMENT ANN UBAR	V-9801-4	QP-AREA-98	ROSEMOUNT					FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		

ATA 2018 Activities List Instrument

Sr.No.	ATA-20	TAG	DESCRIPTION	PARENT	LOCATION	MANUFACTURER	MODLE /TYPE	SERIAL NO.	RANGE	SIZE RATING	Activities	UNIT PRICE (including all taxes except PST/ICT)	LINE PRICE (including all taxes except PST/ICT)
192	1	98-FE-9821	FLOW ELEMENT ANN UBAR	V-9801-4	QP-AREA-98	ROSEMOUNT					FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
193	1	98-FE-9831	FLOW ELEMENT ANN UBAR	V-9801-4	QP-AREA-98	ROSEMOUNT					FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
194	1	98-FE-9841	FLOW ELEMENT ANN UBAR	V-9801-4	QP-AREA-98	ROSEMOUNT					FLOW ELEMENT ANNUBAR Dismantling, Inspection, Services and Re installation		
216	1	20-LSH-104	LEVEL SWITCH	M-2001	QP-AREA-20	DOMAZI	DB-3F		S.G. 0.71 / 1	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
217	1	20-LSHH-103.1	LEVEL SWITCH	M-2001	QP-AREA-20	DOMAZI	DB-3F		0 - 15 PSI	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
218	1	20-LSHH-103.2	LEVEL SWITCH	M-2001	QP-AREA-20	DOMAZI	DB-3F		0 - 14 PSI	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
219	1	20-LSHH-103.3	LEVEL SWITCH	M-2001	QP-AREA-20	DOMAZI	DB-3F		0 - 16 PSI	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
220	1	20-LSHH-92201/1	LEVEL SWITCH	M-2002	QP-AREA-20	MAGNETROL			0 - 100 H2O	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
221	1	20-LSHH-92201/2	LEVEL SWITCH	M-2002	QP-AREA-20	MAGNETROL			0 - 40 H2O	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
222	1	20-LSHH-92201/3	LEVEL SWITCH	M-2002	QP-AREA-20	MAGNETROL			0 - 40 H2O	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
223	1	20-LSHH-9706	LEVEL SWITCH	V-2013	QP-AREA-20				S.G. 0.71 / 1	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
224	1	20-LSLL-105	LEVEL SWITCH	M-2001	QP-AREA-20	DOMAZI	DB-3F		0 - 16 H2O	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
225	1	20-LSLL-112	LEVEL SWITCH	V-2003	QP-AREA-20	DOMAZI	DB-3F		0 - 40 H2O	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
226	1	20-LSLL-222	LEVEL SWITCH	V-2013	QP-AREA-20	MAGNETROL	XN13-AO40-HB3			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
227	1	20-LSLL-9086	LEVEL SWITCH	V-2023	QP-AREA-20	MAGNETROL	XN13-AO40-HB3			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
228	1	20-LSLL-92201	LEVEL SWITCH	M-2002	QP-AREA-20	FINE TEK			0 - 150H2O	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
229	1	27-LSHH-102	LEVEL SWITCH	K-2701	QP-AREA-27	DOMAZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
230	1	27-LSHH-104	LEVEL SWITCH	K-2701	QP-AREA-27	DOMAZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
231	1	27-LSHH-106	LEVEL SWITCH	K-2701	QP-AREA-27	DOMAZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
232	1	27-LSHH-108	LEVEL SWITCH	K-2701	QP-AREA-27	DOMAZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
233	1	27-LSHH-202	LEVEL SWITCH	K-2711	QP-AREA-27	DOMAZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
234	1	27-LSHH-204	LEVEL SWITCH	K-2711	QP-AREA-27	DOMAZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
235	1	27-LSHH-206	LEVEL SWITCH	K-2711	QP-AREA-27	DOMAZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
236	1	27-LSHH-208	LEVEL SWITCH	K-2711	QP-AREA-27	DOMAZI	DB-3F		0.9		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
237	1	41-LSHH-102	LEVEL SWITCH	V-4102	QP-AREA-41	DOMAZI	DB-3F			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
238	1	41-LSLL-103	LEVEL SWITCH	V-4102	QP-AREA-41	DOMAZI	DB-3F			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
239	1	90-LSHH-9074.1	LEVEL SWITCH	FC-9004	QP-AREA-90	MAGNETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
240	1	90-LSHH-9074.2	LEVEL SWITCH	FC-9004	QP-AREA-90	MAGNETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		

ATA 2018 Activities List Instrument

Sr.No.	ATA-20	TAG	DESCRIPTION	PARENT	LOCATION	MANUFACTURER	MODLE /TYPE	SERIAL NO.	RANGE	SIZE RATING	Activities	UNIT PRICE (including all taxes except PST/ICT)	LINE PRICE (including all taxes except PST/ICT)
241	1	90-LSHH-9074.3	LEVEL SWITCH	FC-9004	QP-AREA-90	MAGNETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
242	1	90-LSHH-9076.1	LEVEL SWITCH	FC-9004	QP-AREA-90	MAGNETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
243	1	90-LSHH-9076.2	LEVEL SWITCH	FC-9004	QP-AREA-90	MAGNETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
244	1	90-LSHH-9076.3	LEVEL SWITCH	FC-9004	QP-AREA-90	MAGNETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
245	1	90-LSHH-9081A.1	LEVEL SWITCH	V-9000A	QP-AREA-90	MAGNETROL	XH13-AO60-HB3			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
246	1	90-LSHH-9081A.2	LEVEL SWITCH	V-9000A	QP-AREA-90	MAGNETROL	XH13-AO60-HB3			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
247	1	90-LSHH-9081A.3	LEVEL SWITCH	V-9000A	QP-AREA-90	MAGNETROL	XH13-AO60-HB3			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
248	1	90-LSHH-9081B.1	LEVEL SWITCH	V-9000B	QP-AREA-90	MAGNETROL	XH13-AO60-HB3			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
249	1	90-LSHH-9081B.2	LEVEL SWITCH	V-9000B	QP-AREA-90	MAGNETROL	XH13-AO60-HB3			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
250	1	90-LSHH-9081B.3	LEVEL SWITCH	V-9000B	QP-AREA-90	MAGNETROL	XH13-AO60-HB3			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
251	1	90-LSLL-9075	LEVEL SWITCH	FC-9004	QP-AREA-90	MAGNETROL	XN15-1V50-WK5		S.G. 0.71 / 0.05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
252	1	90-LSLL-9077	LEVEL SWITCH	FC-9004	QP-AREA-90	MAGNETROL	XN15-1V60-WK5		S.G. 0.71 / 0.05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
253	1	90-LSLL-9081A	LEVEL SWITCH	V-9000A	QP-AREA-90	MAGNETROL	XH13-AO60-HB3			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
254	1	90-LSLL-9081B	LEVEL SWITCH	V-9000B	QP-AREA-90	MAGNETROL	XH13-AO60-HB3			2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
255	1	92-LSHH-9291.1	LEVEL SWITCH	V-9209	QP-AREA-92	MAGNETROL	XN15-1V60-WK5		50 - 110 PSI	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
256	1	92-LSHH-9291.2	LEVEL SWITCH	V-9209	QP-AREA-92	MAGNETROL	XN15-1V60-WK5		50 - 110 PSI	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
257	1	92-LSHH-9291.3	LEVEL SWITCH	V-9209	QP-AREA-92	MAGNETROL	XN15-1V60-WK5		60-100 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
258	1	92-LSLL-9292	LEVEL SWITCH	V-9209	QP-AREA-92	MAGNETROL	XN15-1V60-WK5		60-100 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
259	1	97-LSHH-9700A/1	LEVEL SWITCH	V-9700A/B	QP-AREA-97	MAGNETROL	XH13-AO60-HB3		60-100 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
260	1	97-LSHH-9700A/2	LEVEL SWITCH	V-9700A/B	QP-AREA-97	MAGNETROL	XH13-AO60-HB3		60-100 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
261	1	97-LSHH-9700A/3	LEVEL SWITCH	V-9700A/B	QP-AREA-97	MAGNETROL	XH13-AO60-HB3		60-100 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
262	1	97-LSHH-9700B/1	LEVEL SWITCH	V-9700A/B	QP-AREA-97	MAGNETROL	XH13-AO60-HB3		60-100 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
263	1	97-LSHH-9700B/2	LEVEL SWITCH	V-9700A/B	QP-AREA-97	MAGNETROL	XH13-AO60-HB3		60-100 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
264	1	97-LSHH-9700B/3	LEVEL SWITCH	V-9700A/B	QP-AREA-97	MAGNETROL	XH13-AO60-HB3		60-100 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
265	1	97-LSHH-9762	LEVEL SWITCH	E-9703	QP-AREA-97	MAGNETROL	XN15-1V50-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
266	1	97-LSHH-9774.1	LEVEL SWITCH	FC-9704	QP-AREA-97	MAGNETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
267	1	97-LSHH-9774.2	LEVEL SWITCH	FC-9704	QP-AREA-97	MAGNETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
268	1	97-LSHH-9774.3	LEVEL SWITCH	FC-9704	QP-AREA-97	MAGNETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		

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269	1	97-LSHH-9776.1	LEVEL SWITCH	FC-9704	QP-AREA-97	MAGNETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
270	1	97-LSHH-9776.2	LEVEL SWITCH	FC-9704	QP-AREA-97	MAGNETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
271	1	97-LSHH-9776.3	LEVEL SWITCH	FC-9704	QP-AREA-97	MAGNETROL	XN15-1V60-WK5		S.G. 0.71 / .05		Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
272	1	97-LSLL-9700A	LEVEL SWITCH	V-9700A/B	QP-AREA-97	MAGNETROL	XH13-AO60-HB3		60-100 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
273	1	97-LSLL-9700B	LEVEL SWITCH	V-9700A/B	QP-AREA-97	MAGNETROL	XH13-AO60-HB3		60-100 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
274	1	98-LSHH-9891.1	LEVEL SWITCH	V-9809	QP-AREA-98	MAGNETROL			60-100 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
275	1	98-LSHH-9891.2	LEVEL SWITCH	V-9809	QP-AREA-98	MAGNETROL			60-100 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
276	1	98-LSHH-9891.3	LEVEL SWITCH	V-9809	QP-AREA-98	MAGNETROL			1114.7 PSIA	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
277	1	98-LSHH-9892.1	LEVEL SWITCH	V-9809	QP-AREA-98				950 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
278	1	98-LSHH-9892.2	LEVEL SWITCH	V-9809	QP-AREA-98				N/A	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
279	1	98-LSHH-9892.3	LEVEL SWITCH	V-9809	QP-AREA-98				N/A	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
280	1	98-LSLL-9892	LEVEL SWITCH	V-9809	QP-AREA-98	MAGNETROL			950 PSIG	2" 600 RTJ	Level Switch (Troll Type 2" 600 RTJ) Dismantling, Servicing, Calibration and Re-installation.		
281	1	1-XV-01-05A	ON-OFF VALVE	X-0102A	QP-AREA-10	SERVO VALVE	DN 16"600CLASS RF		50 - 110 PSI	16" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
282	1	1-XV-01-06A	ON-OFF VALVE	X-0102A	QP-AREA-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
283	1	1-XV-01-07A	ON-OFF VALVE	X-0102A	QP-AREA-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
284	1	1-XV-01-09A	ON-OFF VALVE	X-0102A	QP-AREA-10	EL-O-MATIC	471-5/YS		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
285	1	1-XV-01-11A	ON-OFF VALVE	X-0102A	QP-AREA-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
286	1	1-XV-01-13A	ON-OFF VALVE	X-0102A	QP-AREA-10	EL-O-MATIC	MO-520		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
287	1	1-XV-01-14A	ON-OFF VALVE	X-0102A	QP-AREA-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
288	1	1-XV-01-15A	ON-OFF VALVE	X-0102A	QP-AREA-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
289	1	1-XV-01-23A	ON-OFF VALVE	X-0102A	QP-AREA-10	FISHER	585C/YS		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
290	1	2-XV-01-05B	ON-OFF VALVE	X-0102B	QP-AREA-10	SERVO VALVE	DN 16"600CLASS RF		341 PSIG	16" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
291	1	2-XV-01-06B	ON-OFF VALVE	X-0102B	QP-AREA-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
292	1	2-XV-01-07B	ON-OFF VALVE	X-0102B	QP-AREA-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
293	1	2-XV-01-09B	ON-OFF VALVE	X-0102B	QP-AREA-10	EL-O-MATIC	471-5/YS		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
294	1	2-XV-01-11B	ON-OFF VALVE	X-0102B	QP-AREA-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
295	1	2-XV-01-13B	ON-OFF VALVE	X-0102B	QP-AREA-10	EL-O-MATIC	MO-520		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
296	1	2-XV-01-14B	ON-OFF VALVE	X-0102B	QP-AREA-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		

ATA 2018 Activities List Instrument

Sr.No.	ATA-20	TAG	DESCRIPTION	PARENT	LOCATION	MANUFACTURER	MODLE /TYPE	SERIAL NO.	RANGE	SIZE RATING	Activities	UNIT PRICE (including all taxes except PST/ICT)	LINE PRICE (including all taxes except PST/ICT)
297	1	2-XV-01-15B	ON-OFF VALVE	X-0102B	QP-AREA-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
298	1	2-XV-01-23B	ON-OFF VALVE	X-0102B	QP-AREA-10	FISHER	585C/YS		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
299	1	3-XV-01-05C	ON-OFF VALVE	X-0102C	QP-AREA-10	SERVO VALVE	DN 16"600CLASS RF		362 PSIG	16" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
300	1	3-XV-01-06C	ON-OFF VALVE	X-0102C	QP-AREA-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
301	1	3-XV-01-07C	ON-OFF VALVE	X-0102C	QP-AREA-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
302	1	3-XV-01-09C	ON-OFF VALVE	X-0102C	QP-AREA-10	EL-O-MATIC	471-5/YS		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
303	1	3-XV-01-11C	ON-OFF VALVE	X-0102C	QP-AREA-10	EL-O-MATIC	MO-520		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
304	1	3-XV-01-13C	ON-OFF VALVE	X-0102C	QP-AREA-10	EL-O-MATIC	MO-520		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
305	1	3-XV-01-14C	ON-OFF VALVE	X-0102C	QP-AREA-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
306	1	3-XV-01-15C	ON-OFF VALVE	X-0102C	QP-AREA-10	EL-O-MATIC	MO-160		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
307	1	3-XV-01-23C	ON-OFF VALVE	X-0102C	QP-AREA-10	FISHER	585C/YS		50 - 110 PSI		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
308	1	11-ESDV-101	ON-OFF VALVE	M-1102/12	QP-AREA-11		ALGAS.6C.3800.635.CL/N BB307C38U(ASCO)		0-100 %	26" RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
309	1	11-ESDV-201	ON-OFF VALVE	M-1102/12	QP-AREA-11	BIFFI	ALGAS.6C.3800.635.CL/N BB307C38U(ASCO)		0-100 %	30" RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
310	1	01-BDV-009	ON-OFF VALVE	A-1301	QP-AREA-13	TYCO FLOW CONTROL	B – 100 U – S061 / A – 10 5 N		3-15 PSIG	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
311	1	01-BDV-017	ON-OFF VALVE	A-1301	QP-AREA-13	TYCO FLOW CONTROL	57333		3-15 PSIG	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
312	1	01-BDV-019	ON-OFF VALVE	A-1301	QP-AREA-13	TYCO FLOW CONTROL	57333		3-15 PSIG	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
313	1	01-ESDV-001	ON-OFF VALVE	A-1301	QP-AREA-13	TYCO FLOW CONTROL	57335		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
314	1	01-ESDV-019	ON-OFF VALVE	A-1301	QP-AREA-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.		
315	1	01-ESDV-033	ON-OFF VALVE	A-1301	QP-AREA-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.		
316	1	01-ESDV-2040	ON-OFF VALVE	A-1301	QP-AREA-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
317	1	02-BDV-020	ON-OFF VALVE	A-1302	QP-AREA-13	TYCO FLOW CONTROL	57333		3-15 PSIG	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
318	1	02-ESDV-020	ON-OFF VALVE	A-1302	QP-AREA-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.		
319	1	02-ESDV-034	ON-OFF VALVE	A-1302	QP-AREA-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.		
320	1	02-ESDV-2040	ON-OFF VALVE	A-1302	QP-AREA-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
321	1	03-BDV-021	ON-OFF VALVE	A-1303	QP-AREA-13	TYCO FLOW CONTROL	57333		3-15 PSIG	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
322	1	03-ESDV-021	ON-OFF VALVE	A-1303	QP-AREA-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.		
323	1	03-ESDV-035	ON-OFF VALVE	A-1303	QP-AREA-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.		
324	1	03-ESDV-2040	ON-OFF VALVE	A-1303	QP-AREA-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		

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325	1	04-BDV-022	ON-OFF VALVE	A-1304	QP-AREA-13	TYCO FLOW CONTROL	57333		4-20mA	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
326	1	04-ESDV-022	ON-OFF VALVE	A-1304	QP-AREA-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.		
327	1	04-ESDV-036	ON-OFF VALVE	A-1304	QP-AREA-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.		
328	1	04-ESDV-2040	ON-OFF VALVE	A-1304	QP-AREA-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
329	1	05-BDV-023	ON-OFF VALVE	A-1305	QP-AREA-13	TYCO FLOW CONTROL	57333		3-15 PSIG	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
330	1	05-ESDV-023	ON-OFF VALVE	A-1305	QP-AREA-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.		
331	1	05-ESDV-037	ON-OFF VALVE	A-1305	QP-AREA-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.		
332	1	05-ESDV-2040	ON-OFF VALVE	A-1305	QP-AREA-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
333	1	06-BDV-024	ON-OFF VALVE	A-1306	QP-AREA-13	TYCO FLOW CONTROL	57333		4-20 MA	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
334	1	06-ESDV-024	ON-OFF VALVE	A-1306	QP-AREA-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.		
335	1	06-ESDV-038	ON-OFF VALVE	A-1306	QP-AREA-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.		
336	1	06-ESDV-2040	ON-OFF VALVE	A-1306	QP-AREA-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
337	1	07-BDV-025	ON-OFF VALVE	A-1307	QP-AREA-13	TYCO FLOW CONTROL	57333		3-15 PSI	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
338	1	07-ESDV-025	ON-OFF VALVE	A-1307	QP-AREA-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.		
339	1	07-ESDV-039	ON-OFF VALVE	A-1307	QP-AREA-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.		
340	1	07-ESDV-2040	ON-OFF VALVE	A-1307	QP-AREA-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
341	1	08-BDV-026	ON-OFF VALVE	A-1308	QP-AREA-13	TYCO FLOW CONTROL	57333		4-20 MA	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
342	1	08-ESDV-026	ON-OFF VALVE	A-1308	QP-AREA-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.		
343	1	08-ESDV-040	ON-OFF VALVE	A-1308	QP-AREA-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.		
344	1	08-ESDV-2040	ON-OFF VALVE	A-1308	QP-AREA-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
345	1	09-BDV-027	ON-OFF VALVE	A-1309	QP-AREA-13	TYCO FLOW CONTROL	57333			2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
346	1	09-ESDV-027	ON-OFF VALVE	A-1309	QP-AREA-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.		
347	1	09-ESDV-041	ON-OFF VALVE	A-1309	QP-AREA-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.		
348	1	09-ESDV-2040	ON-OFF VALVE	A-1309	QP-AREA-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
349	1	10-BDV-028	ON-OFF VALVE	A-1310	QP-AREA-13	TYCO FLOW CONTROL	57333			2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
350	1	10-ESDV-028	ON-OFF VALVE	A-1310	QP-AREA-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.		
351	1	10-ESDV-042	ON-OFF VALVE	A-1310	QP-AREA-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.		
352	1	10-ESDV-2040	ON-OFF VALVE	A-1310	QP-AREA-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		

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353	1	11-BDV-029	ON-OFF VALVE	A-1311	QP-AREA-13	TYCO FLOW CONTROL	57333			2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
354	1	11-ESDV-029	ON-OFF VALVE	A-1311	QP-AREA-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.		
355	1	11-ESDV-043	ON-OFF VALVE	A-1311	QP-AREA-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.		
356	1	11-ESDV-2040	ON-OFF VALVE	A-1311	QP-AREA-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
357	1	12-BDV-030	ON-OFF VALVE	A-1312	QP-AREA-13	TYCO FLOW CONTROL	57333			2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
358	1	12-ESDV-030	ON-OFF VALVE	A-1312	QP-AREA-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.		
359	1	12-ESDV-044	ON-OFF VALVE	A-1312	QP-AREA-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.		
360	1	12-ESDV-2040	ON-OFF VALVE	A-1312	QP-AREA-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
361	1	13-BDV-031	ON-OFF VALVE	A-1313	QP-AREA-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.		
362	1	13-ESDV-031	ON-OFF VALVE	A-1313	QP-AREA-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.		
363	1	13-ESDV-045	ON-OFF VALVE	A-1313	QP-AREA-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.		
364	1	13-ESDV-2040	ON-OFF VALVE	A-1313	QP-AREA-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
365	1	14-BDV-032	ON-OFF VALVE	A-1314	QP-AREA-13	TYCO FLOW CONTROL	57333		0-58.875 INH2O	2"	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
366	1	14-ESDV-032	ON-OFF VALVE	A-1314	QP-AREA-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.		
367	1	14-ESDV-046	ON-OFF VALVE	A-1314	QP-AREA-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.		
368	1	14-ESDV-2040	ON-OFF VALVE	A-1314	QP-AREA-13	TYCO FLOW CONTROL	C-575U-S080		24 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
369	1	20-BDV-151	ON-OFF VALVE	M-2001	QP-AREA-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.		
370	1	20-BDV-92203	ON-OFF VALVE	M-2002	QP-AREA-20						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
371	1	20-ESDV-102	ON-OFF VALVE	M-2001	QP-AREA-20	NELES JAMESBURY	WWP1BL.6.4.BC.32.LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
372	1	20-ESDV-105	ON-OFF VALVE	M-2001	QP-AREA-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.		
373	1	20-ESDV-106	ON-OFF VALVE	M-2001	QP-AREA-20	NELES JAMESBURY	WWP1BL.6.4.BJ.12		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
374	1	20-ESDV-108	ON-OFF VALVE	V-2003	QP-AREA-20	NELES JAMESBURY	WWPBL.1.4.BJ.8.LS.SV/67 CFR-239		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
375	1	20-ESDV-109	ON-OFF VALVE	M-2001	QP-AREA-20	BIFFI	ALGAS.6C.2500.585.CL		0 - 150 H2O	26" RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
376	1	20-ESDV-110	ON-OFF VALVE	M-2001	QP-AREA-20	BIFFI	ALGAS.6C.3800.635.CL		0 - 16 H2O	30" RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
377	1	20-ESDV-111	ON-OFF VALVE	M-2001	QP-AREA-20	BIFFI	ALGAS.6C.3800.635.CL		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
378	1	20-ESDV-206	ON-OFF VALVE	M-2001	QP-AREA-20						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
379	1	20-ESDV-208	ON-OFF VALVE	V-2013	QP-AREA-20	BIFFI	RPD 30-D2		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
380	1	20-ESDV-5208	ON-OFF VALVE	V-2050	QP-AREA-20						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		

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381	1	20-ESDV-9086	ON-OFF VALVE	V-2023	QP-AREA-20	BIFFI	RPD 30-D2		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
382	1	20-XV-92201A	ON-OFF VALVE	M-2002	QP-AREA-20	ROTORK	GP-200C-635-A/D1		0 - 14 PSI	30" RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
383	1	20-XV-92201B	ON-OFF VALVE	M-2002	QP-AREA-20	ROTORK	GP-200S-685A/D1		0 - 14 PSI	26" RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
384	1	20-XV-9706	ON-OFF VALVE	V-2013	QP-AREA-20						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
385	1	20-XV-9707	ON-OFF VALVE	V-2003	QP-AREA-20						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
386	1	26-BDV-153	ON-OFF VALVE	A-2603 A-E	QP-AREA-26	NELES JAMESBURY			60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
387	1	26-BDV-9601	ON-OFF VALVE	A-2623A-C	QP-AREA-26	ROTORK	RP-060-200A.00.2"		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
388	1	26-BDV-9603A	ON-OFF VALVE	A-2623A-C	QP-AREA-26	METSO	B1JAU8.15/NBXB307C8U.19(ASCO)		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
389	1	26-BDV-9603B	ON-OFF VALVE	A-2623A-C	QP-AREA-26	METSO	B1JAU8.15/NBXB307C8U.19(ASCO)		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
390	1	26-ESDV-92115	ON-OFF VALVE	A-2613A-E	QP-AREA-26	BIFFI	AL6A3S.385		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
391	1	26-ESDV-9601	ON-OFF VALVE	A-2623A-C	QP-AREA-26	ROTORK	GP.100S.485A.01		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
392	1	26-ESDV-9602	ON-OFF VALVE	A-2623A-C	QP-AREA-26	ROTORK	GP.100S.485A.01		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
393	1	26-ESDV-9621	ON-OFF VALVE	A-2623A-C	QP-AREA-26	ROTORK	GP-1305-585A/01		6.58 BAR		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
394	1	26-ESDV-9623	ON-OFF VALVE	A-2623A-C	QP-AREA-26	ROTORK	GP-1305-585A/01		6.58 BAR		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
395	1	26-ESDV-9715	ON-OFF VALVE	A-2651	QP-AREA-26						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
396	1	26-ESDV-9716	ON-OFF VALVE	A-2661	QP-AREA-26						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
397	1	27-BDV-151	ON-OFF VALVE	K-2701	QP-AREA-27	NELES JAMESBURY	5152.S31.2236MF.QP2C.L S.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
398	1	27-BDV-152	ON-OFF VALVE	K-2701	QP-AREA-27	NELES JAMESBURY	5152.S31.2236MF.QP2C.L S.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
399	1	27-BDV-153	ON-OFF VALVE	K-2701	QP-AREA-27	NELES JAMESBURY	5306.S31.2236MF.QP2C.L S.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
400	1	27-BDV-154	ON-OFF VALVE	K-2701	QP-AREA-27	NELES JAMESBURY	4X2236MT.1.QP1C.LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
401	1	27-BDV-251	ON-OFF VALVE	K-2711	QP-AREA-27	NELES JAMESBURY	5152.S31.2236MF.QP2C.L S.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
402	1	27-BDV-252	ON-OFF VALVE	K-2711	QP-AREA-27	NELES JAMESBURY	5152.S31.2236MF.QP2C.L S.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
403	1	27-BDV-253	ON-OFF VALVE	K-2711	QP-AREA-27	NELES JAMESBURY	5306.S31.2236MF.QP2C.L S.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
404	1	27-BDV-254	ON-OFF VALVE	K-2711	QP-AREA-27	NELES JAMESBURY	4X2236MT.1.QP1C.LS.SV		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
405	1	27-BDV-312	ON-OFF VALVE	K-2721	QP-AREA-27	SIEMENS	LPS 03 120 CM03 FO		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
406	1	27-BDV-322	ON-OFF VALVE	K-2721	QP-AREA-27	SIEMENS	LPS 03 120 CM03 FO		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
407	1	27-BDV-332	ON-OFF VALVE	K-2721	QP-AREA-27	SIEMENS	LPS 03 120 CM03 FO		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
408	1	27-BDV-342	ON-OFF VALVE	K-2721	QP-AREA-27	SIEMENS	LPS 03 120 CM03 FO		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		

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409	1	27-ESDV-101	ON-OFF VALVE	K-2701	QP-AREA-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.		
410	1	27-ESDV-102	ON-OFF VALVE	K-2701	QP-AREA-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.		
411	1	27-ESDV-103	ON-OFF VALVE	K-2701	QP-AREA-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.		
412	1	27-ESDV-104	ON-OFF VALVE	K-2701	QP-AREA-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.		
413	1	27-ESDV-201	ON-OFF VALVE	K-2711	QP-AREA-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.		
414	1	27-ESDV-202	ON-OFF VALVE	K-2711	QP-AREA-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.		
415	1	27-ESDV-203	ON-OFF VALVE	K-2711	QP-AREA-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.		
416	1	27-ESDV-204	ON-OFF VALVE	K-2711	QP-AREA-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.		
417	1	27-ESDV-311	ON-OFF VALVE	K-2721	QP-AREA-27	SIEMENS			110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
418	1	27-ESDV-321	ON-OFF VALVE	K-2721	QP-AREA-27	SIEMENS			110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
419	1	27-ESDV-331	ON-OFF VALVE	K-2721	QP-AREA-27	AREVA			110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
420	1	27-ESDV-341	ON-OFF VALVE	K-2721	QP-AREA-27	AREVA			110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
421	1	27-ESDV-344	ON-OFF VALVE	K-2721	QP-AREA-27	VALAVITALIA	CPS-13-430-1		110 VDC		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
422	1	27-XV-1100	ON-OFF VALVE	K-2701	QP-AREA-27	FISHER	8510.B		600-1000 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
423	1	27-XV-1101	ON-OFF VALVE	K-2701	QP-AREA-27	FISHER	8510.B		600-1000 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
424	1	27-XV-1150	ON-OFF VALVE	K-2701	QP-AREA-27	NELES JAMESBURY			60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
425	1	27-XV-1151	ON-OFF VALVE	K-2701	QP-AREA-27	NELES JAMESBURY			60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
426	1	27-XV-1160	ON-OFF VALVE	K-2701	QP-AREA-27	FISHER			60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
427	1	27-XV-1200	ON-OFF VALVE	K-2711	QP-AREA-27	FISHER	8510.B		600-1000 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
428	1	27-XV-1201	ON-OFF VALVE	K-2711	QP-AREA-27	FISHER	8510.B		600-1000 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
429	1	27-XV-1250	ON-OFF VALVE	K-2711	QP-AREA-27	NELES JAMESBURY			60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
430	1	27-XV-1251	ON-OFF VALVE	K-2711	QP-AREA-27	NELES JAMESBURY			60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
431	1	27-XV-1260	ON-OFF VALVE	K-2711	QP-AREA-27	FISHER			60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
432	1	27-XV-3320	ON-OFF VALVE	K-2721	QP-AREA-27	AREVA					ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
433	1	27-XV-3325	ON-OFF VALVE	K-2721	QP-AREA-27	AREVA					ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
434	1	30-BDV-9710	ON-OFF VALVE	A-3001	QP-AREA-30	ROTORK	CP/S-035-130A/D20148		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
435	1	30-ESDV-550	ON-OFF VALVE	A-3021	QP-AREA-30	GENERAL VALVE TAXAS	A-105N, Size 2"				ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
436	1	30-ESDV-551	ON-OFF VALVE	A-3021	QP-AREA-30	GENERAL VALVE TAXAS					ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		

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437	1	30-ESDV-552A	ON-OFF VALVE	A-3021	QP-AREA-30	GENERAL VALVE TAXAS	A-105N, Ball Valve				ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
438	1	30-ESDV-552B	ON-OFF VALVE	A-3021	QP-AREA-30	GENERAL VALVE TAXAS	A-105N, Ball valve				ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
439	1	30-ESDV-555A	ON-OFF VALVE	A-3021	QP-AREA-30	GENERAL VALVE TAXAS	Actuator AW-20		40 to 175 psi		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
440	1	30-ESDV-555B	ON-OFF VALVE	A-3021	QP-AREA-30	GENERAL VALVE TAXAS	Actuator AW-20				ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
441	1	53-ESDV-9088	ON-OFF VALVE	V-5300	QP-AREA-53	BIFFI	RPD-60-D2		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
442	1	58-ESDV-104A	ON-OFF VALVE	A-5801C/D/E	QP-AREA-58	NELES JAMESBURY	5152.S31.2236TF.QP1C.S V		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
443	1	58-ESDV-104B	ON-OFF VALVE	A-5801C/D/E	QP-AREA-58	NELES JAMESBURY	5152.S31.2236TF.QP1C.S V		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
444	1	90-BDV-9051	ON-OFF VALVE	E-9002A/B	QP-AREA-90	METSO	S703FJA2AT6-B1JAU16/45E			6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
445	1	90-BDV-9083	ON-OFF VALVE	V-9000A/B	QP-AREA-90	BIFFI	RPS60-S2A1-OP		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
446	1	90-ESDV-9081B	ON-OFF VALVE	V-9000A/B	QP-AREA-90	BIFFI	AL6A3S.385		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
447	1	90-ESDV-9082A	ON-OFF VALVE	V-9000A/B	QP-AREA-90	BIFFI	RPD-D2		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
448	1	90-ESDV-9082B	ON-OFF VALVE	V-9000A/B	QP-AREA-90	BIFFI	RPD-D2		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
449	1	91-XV-9180	ON-OFF VALVE	K-9101A	QP-AREA-91	METSO	2"9300312236XTZ-B1JU8/35E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
450	1	91-XV-9186A	ON-OFF VALVE	K-9101A	QP-AREA-91	METSO	1"6150312236XT-B1JU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
451	1	91-XV-9186B	ON-OFF VALVE	K-9101B	QP-AREA-91	METSO	1"6150312236XT-B1JU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
452	1	91-XV-9186C	ON-OFF VALVE	K-9101C	QP-AREA-91	METSO	1"6150312236XT-B1JU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
453	1	91-XV-9186D	ON-OFF VALVE	K-9101D	QP-AREA-91	METSO	1"6150312236XT-B1JU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
454	1	91-XV-9187A	ON-OFF VALVE	K-9101A	QP-AREA-91	METSO	1"6150312236XT-B1JU8/15E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
455	1	91-XV-9187B	ON-OFF VALVE	K-9101B	QP-AREA-91	METSO	1"6150312236XT-B1JU8/15E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
456	1	91-XV-9187C	ON-OFF VALVE	K-9101C	QP-AREA-91	METSO	1"6150312236XT-B1JU8/15E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
457	1	91-XV-9187D	ON-OFF VALVE	K-9101D	QP-AREA-91	METSO	1"6150312236XT-B1JU8/15E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
458	1	91-XV-9188A	ON-OFF VALVE	K-9101A	QP-AREA-91	METSO	3/4"6150312236XT-B1JU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
459	1	91-XV-9188B	ON-OFF VALVE	K-9101B	QP-AREA-91	METSO	3/4"6150312236XT-B1JU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
460	1	91-XV-9188C	ON-OFF VALVE	K-9101C	QP-AREA-91	METSO	3/4"6150312236XT-B1JU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
461	1	91-XV-9188D	ON-OFF VALVE	K-9101D	QP-AREA-91	METSO	3/4"6150312236XT-B1JU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
462	1	91-XV-9189A	ON-OFF VALVE	K-9101A	QP-AREA-91	METSO	3"AM150FDDBB2236MT5 2-B1JU10/40E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
463	1	91-XV-9189B	ON-OFF VALVE	K-9101B	QP-AREA-91	METSO	3"AM150FDDBB2236MT5 2-B1JU10/40E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
464	1	91-XV-9189C	ON-OFF VALVE	K-9101C	QP-AREA-91	METSO	3"AM150FDDBB2236MT5 2-B1JU10/40E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		

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465	1	91-XV-9189D	ON-OFF VALVE	K-9101D	QP-AREA-91	METSO	3"AM150FDDBB2236MT5 2-B1JU10/40E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
466	1	90-ESDV-9081A	ON-OFF VALVE	V-9000A/B	QP-AREA-92	BIFFI	AL6A3S.385			16" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
467	1	92-UV-9204	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4			6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
468	1	92-UV-9211	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10300Z.ZC11SP.PS4000.1 0			12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
469	1	92-UV-9212	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10300Z.ZC11SP.ES950.4			12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
470	1	92-UV-9213	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4			6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
471	1	92-UV-9214	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4			6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
472	1	92-UV-9215	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4			6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
473	1	92-UV-9216	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4			6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
474	1	92-UV-9221	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10300Z.ZC11SP.PS4000.1 0		110 VDC	12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
475	1	92-UV-9222	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10300Z.ZC11SP.ES950.4		110 VDC	12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
476	1	92-UV-9223	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10300.ZC11SP.ES950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
477	1	92-UV-9224	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
478	1	92-UV-9225	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
479	1	92-UV-9226	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
480	1	92-UV-9231	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10300Z.ZC11SP.PS4000.1 0		110 VDC	12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
481	1	92-UV-9232	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10300Z.ZC11SP.ES950.4		110 VDC	12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
482	1	92-UV-9233	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
483	1	92-UV-9234	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
484	1	92-UV-9235	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
485	1	92-UV-9236	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
486	1	92-UV-9241	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10300Z.ZC11SP.PS4000.1 0		110 VDC	12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
487	1	92-UV-9242	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10300Z.ZC11SP.ES950.4		60-100 PSIG	12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
488	1	92-UV-9243	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		60-100 PSIG	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
489	1	92-UV-9244	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
490	1	92-UV-9245	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
491	1	92-UV-9246	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		110 VDC	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
492	1	92-UV-9251	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10300Z.ZC11SP.PS4000.1 0		50 - 110 PSI	12" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		

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Sr.No.	ATA-20	TAG	DESCRIPTION	PARENT	LOCATION	MANUFACTURER	MODLE /TYPE	SERIAL NO.	RANGE	SIZE RATING	Activities	UNIT PRICE (including all taxes except PST/ICT)	LINE PRICE (including all taxes except PST/ICT)
493	1	92-UV-9252	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		60-100 PSIG	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
494	1	92-UV-9253	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		60-100 PSIG	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
495	1	92-UV-9254	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		60-100 PSIG	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
496	1	92-UV-9255	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		4,1BAR 6/7 BAR	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
497	1	92-UV-9256	ON-OFF VALVE	V-9201-5	QP-AREA-92	ZWICK	I10150Z.ZC11SP.ES950.4		2 BAR G 8,5 BAR G	6" 600 RTJ	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
498	1	92-XV-9292	ON-OFF VALVE	V-9209	QP-AREA-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.		
499	1	93-XV-9390	ON-OFF VALVE	E-9301	QP-AREA-93	FISHER	3024S/1018S.2"/GA1.31/67CFR		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
500	1	97-BDV-9702A	ON-OFF VALVE	V-9700A/B	QP-AREA-97	BIFFI	RPS60-S2A1-OP		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
501	1	97-BDV-9751	ON-OFF VALVE	E-9703	QP-AREA-97	METSO	S703FJA2AT6-B1JAU16/45E		S.G. 0.71 / 1	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
502	1	97-ESDV-9700A	ON-OFF VALVE	V-9700A/B	QP-AREA-97	BIFFI	AL6A3S.385		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
503	1	97-ESDV-9700B	ON-OFF VALVE	V-9700A/B	QP-AREA-97	BIFFI	AL6A3S.385		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
504	1	97-XV-9701	ON-OFF VALVE	E-9701	QP-AREA-97						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
505	1	97-XV-9701A	ON-OFF VALVE	V-9700A/B	QP-AREA-97	BIFFI	RPD-D2		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
506	1	97-XV-9701B	ON-OFF VALVE	V-9700A/B	QP-AREA-97	BIFFI	RPD-D2		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
507	1	97-XV-9702	ON-OFF VALVE	E-9701	QP-AREA-97						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
508	1	97-XV-9761	ON-OFF VALVE	E-9703	QP-AREA-97						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
509	1	98-BDV-9709	ON-OFF VALVE	F-9806A/B	QP-AREA-98						ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
510	1	98-BDV-9809	ON-OFF VALVE	V-9801-4	QP-AREA-98	METSO	S71HFJAJ2AT6-B1JAU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
511	1	98-BDV-9819	ON-OFF VALVE	V-9801-4	QP-AREA-98	METSO	S71HFJAJ2AT6-B1JAU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
512	1	98-BDV-9829	ON-OFF VALVE	V-9801-4	QP-AREA-98	METSO	S71HFJAJ2AT6-B1JAU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
513	1	98-BDV-9839	ON-OFF VALVE	V-9801-4	QP-AREA-98	METSO	S71HFJAJ2AT6-B1JAU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
514	1	98-BDV-9849	ON-OFF VALVE	V-9801-4	QP-AREA-98	METSO	S71HFJAJ2AT6-B1JAU8/20E		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
515	1	98-BDV-9893	ON-OFF VALVE	V-9809	QP-AREA-98	METSO	S71HFJAJ2AT6-B1JAU8/20E		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
516	1	98-UV-9804	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
517	1	98-UV-9811	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300Z.ZC11SP.PS4000.10		60-100 PSIG	12" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
518	1	98-UV-9812	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300Z.ZC11SP.PS4000.10		60-100 PSIG	12" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
519	1	98-UV-9813	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
520	1	98-UV-9814	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-120 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		

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521	1	98-UV-9815	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
522	1	98-UV-9816	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
523	1	98-UV-9821	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300Z.ZC11SP.PS4000.10		60-100 PSIG	12" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
524	1	98-UV-9822	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300Z.ZC11SP.PS4000.10		60-100 PSIG	12" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
525	1	98-UV-9823	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
526	1	98-UV-9824	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
527	1	98-UV-9825	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
528	1	98-UV-9826	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
529	1	98-UV-9831	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300Z.ZC11SP.PS4000.10		60-100 PSIG	12" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
530	1	98-UV-9832	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300Z.ZC11SP.PS4000.10		60-100 PSIG	12" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
531	1	98-UV-9833	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
532	1	98-UV-9834	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
533	1	98-UV-9835	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
534	1	98-UV-9836	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
535	1	98-UV-9841	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300Z.ZC11SP.PS4000.10		60-100 PSIG	12" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
536	1	98-UV-9842	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300Z.ZC11SP.PS4000.10		60-100 PSIG	12" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
537	1	98-UV-9843	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
538	1	98-UV-9844	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
539	1	98-UV-9845	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
540	1	98-UV-9846	ON-OFF VALVE	V-9801-4	QP-AREA-98	ZWICK	I10300.ZC11SP.ES950.4		60-100 PSIG	6" 600CL	ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
541	1	98-XV-9701	ON-OFF VALVE	K-9807	QP-AREA-98		AL6AS09S.0350.335.CL		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
542	1	98-XV-9702	ON-OFF VALVE	K-9807	QP-AREA-98		AL6AS09S.0350.335.CL		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
543	1	98-XV-9872	ON-OFF VALVE	K-9807	QP-AREA-98	FISHER	657.70/ED.6"/67CFR		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
544	1	98-XV-9879	ON-OFF VALVE	K-9807	QP-AREA-98	FISHER	1052.70/V500.6"/67CFR		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
545	1	98-XV-9892	ON-OFF VALVE	V-9809	QP-AREA-98	FISHER	1052.40/V5001.5"/67CFR		60-120 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
546	1	99-XV-9920	ON-OFF VALVE	E-9901	QP-AREA-99	METSO	NI7201/P&FJN2-12GKN		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
547	1	99-XV-9923	ON-OFF VALVE	E-9901	QP-AREA-99	METSO	NI7201/P&FJN2-12GKN		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
548	1	99-XV-9924	ON-OFF VALVE	E-9901	QP-AREA-99	METSO	NI7201/P&FJN2-12GKN		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		

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549	1	99-XV-9931	ON-OFF VALVE	E-9901	QP-AREA-99	METSO	NI7201/P&FNIJ2-12GKN		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
550	1	99-XV-9932	ON-OFF VALVE	E-9901	QP-AREA-99	METSO	NI7201/P&FNIJ2-12GKN		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
551	1	99-XV-9941	ON-OFF VALVE	E-9901	QP-AREA-99	METSO	NI7201/P&FNIJ2-12GKN		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
552	1	99-XV-9942	ON-OFF VALVE	E-9901	QP-AREA-99	METSO	NI7201/P&FNIJ2-12GKN		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
553	1	99-XV-9990	ON-OFF VALVE	E-9901	QP-AREA-99	FISHER	3024S/1018S.2"/GA1.31/67CFR		60-100 PSIG		ON-OFF Valve Servicing, Cleaning, Function Test of Actuator, Sov And Limit Switches.		
554	1	27-PDSHH-1103	PRESSURE DIFF. SWIT CH	K-2701	QP-AREA-27	DELTA	R.PR.3.XX.DD.HS.F		51 PSIG		PRESSURE DIFF. SWITCH Servicing and Calibration.		
555	1	27-PDSHH-1104	PRESSURE DIFF. SWIT CH	K-2701	QP-AREA-27	DELTA	R.PR.3.XX.DD.HS.F		51 PSIG		PRESSURE DIFF. SWITCH Servicing and Calibration.		
556	1	27-PDSHH-1112	PRESSURE DIFF. SWIT CH	K-2701	QP-AREA-27	DELTA	R.PR.3.XX.DD.HS.F		51 PSIG		PRESSURE DIFF. SWITCH Servicing and Calibration.		
557	1	27-PDSHH-1113	PRESSURE DIFF. SWIT CH	K-2701	QP-AREA-27	DELTA	R.PR.3.XX.DD.HS.F		51 PSIG		PRESSURE DIFF. SWITCH Servicing and Calibration.		
558	1	27-PDSHH-1203	PRESSURE DIFF. SWIT CH	K-2711	QP-AREA-27	DELTA	R.PR.3.XX.DD.HS.F		51 PSIG		PRESSURE DIFF. SWITCH Servicing and Calibration.		
559	1	27-PDSHH-1204	PRESSURE DIFF. SWIT CH	K-2711	QP-AREA-27	DELTA	R.PR.3.XX.DD.HS.F		51 PSIG		PRESSURE DIFF. SWITCH Servicing and Calibration.		
560	1	27-PDSHH-1212	PRESSURE DIFF. SWIT CH	K-2711	QP-AREA-27	DELTA	R.PR.3.XX.DD.HS.F		51 PSIG		PRESSURE DIFF. SWITCH Servicing and Calibration.		
561	1	27-PDSHH-1213	PRESSURE DIFF. SWIT CH	K-2711	QP-AREA-27	DELTA	R.PR.3.XX.DD.HS.F		51 PSIG		PRESSURE DIFF. SWITCH Servicing and Calibration.		
562	1	27-PDSLL-1123	PRESSURE DIFF. SWIT CH	K-2701	QP-AREA-27	DELTA	R.PR.3.XX.DD.HS.F		20 PSIG		PRESSURE DIFF. SWITCH Servicing and Calibration.		
563	1	27-PDSLL-1223	PRESSURE DIFF. SWIT CH	K-2711	QP-AREA-27	DELTA	R.PR.3.XX.DD.HS.F		20 PSIG		PRESSURE DIFF. SWITCH Servicing and Calibration.		
564	1	1-PS-322-2	PRESSURE SWITCH	X-0102A	QP-AREA-10	ITT NEO DYN	132P4S132		8 PSI INCREASING 6 PSI DECREASING		PRESSURE SWITCH Servicing and Calibration.		
565	1	1-PS-322-3	PRESSURE SWITCH	X-0102A	QP-AREA-10	ITT NEO DYN	132P4S132		75 PSI INCREASING 50 PSI DECREASING		PRESSURE SWITCH Servicing and Calibration.		
566	1	1-PS-322-4	PRESSURE SWITCH	X-0102A	QP-AREA-10	ITT NEO DYN	132P4S132		75 PSI INCREASING 50 PSI DECREASING		PRESSURE SWITCH Servicing and Calibration.		
567	1	1-PS-322-5	PRESSURE SWITCH	X-0102A	QP-AREA-10	ITT NEO DYN	132P48CC6BGN		20 PSI INCREASING 17 PSI DECREASING		PRESSURE SWITCH Servicing and Calibration.		
568	1	2-PS-322-2	PRESSURE SWITCH	X-0102B	QP-AREA-10	ITT NEO DYN	132P4S132		8 PSI INCREASING 6 PSI DECREASING		PRESSURE SWITCH Servicing and Calibration.		
569	1	2-PS-322-3	PRESSURE SWITCH	X-0102B	QP-AREA-10	ITT NEO DYN	132P4S132		75 PSI INCREASING 50 PSI DECREASING		PRESSURE SWITCH Servicing and Calibration.		
570	1	2-PS-322-4	PRESSURE SWITCH	X-0102B	QP-AREA-10	ITT NEO DYN	132P4S132		75 PSI INCREASING 50 PSI DECREASING		PRESSURE SWITCH Servicing and Calibration.		
571	1	2-PS-322-5	PRESSURE SWITCH	X-0102B	QP-AREA-10	ITT NEO DYN	132P48CC6BGN		20 PSI INCREASING 17 PSI DECREASING		PRESSURE SWITCH Servicing and Calibration.		
572	1	3-PS-322-2	PRESSURE SWITCH	X-0102C	QP-AREA-10	ITT NEO DYN	132P4S132		8 PSI INCREASING 6 PSI DECREASING		PRESSURE SWITCH Servicing and Calibration.		
573	1	3-PS-322-3	PRESSURE SWITCH	X-0102C	QP-AREA-10	ITT NEO DYN	132P4S132		75 PSI INCREASING 50 PSI DECREASING		PRESSURE SWITCH Servicing and Calibration.		
574	1	3-PS-322-4	PRESSURE SWITCH	X-0102C	QP-AREA-10	ITT NEO DYN	132P4S132		75 PSI INCREASING 50 PSI DECREASING		PRESSURE SWITCH Servicing and Calibration.		
575	1	3-PS-322-5	PRESSURE SWITCH	X-0102C	QP-AREA-10	ITT NEO DYN	132P48CC6BGN		8 PSI INCREASING 6 PSI DECREASING		PRESSURE SWITCH Servicing and Calibration.		
576	1	20-PSHH-103.1	PRESSURE SWITCH	M-2001	QP-AREA-20	DELTA	H.PR2.AG.FA.HS		950 PSIG		PRESSURE SWITCH Servicing and Calibration.		

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577	1	20-PSHH-103.2	PRESSURE SWITCH	M-2001	QP-AREA-20	DELTA	H.PR2.AG.FA.HS		950 PSIG		PRESSURE SWITCH Servicing and Calibration.		
578	1	20-PSHH-103.3	PRESSURE SWITCH	M-2001	QP-AREA-20	DELTA	H.PR2.AG.FA.HS		950 PSIG		PRESSURE SWITCH Servicing and Calibration.		
579	1	26-PDSHH-1160.1	PRESSURE SWITCH	A-2651	QP-AREA-26	DELTA	H.S31.0.I.DC.H2.H.21		75 PSID		PRESSURE SWITCH Servicing and Calibration.		
580	1	26-PDSHH-1160.2	PRESSURE SWITCH	A-2651	QP-AREA-26	DELTA	H.S31.0.I.DC.H2.H.21		75 PSID		PRESSURE SWITCH Servicing and Calibration.		
581	1	26-PDSHH-1160.3	PRESSURE SWITCH	A-2651	QP-AREA-26	DELTA	H.S31.0.I.DC.H2.H.21		75 PSID		PRESSURE SWITCH Servicing and Calibration.		
582	1	26-PDSHH-1260.1	PRESSURE SWITCH	A-2661	QP-AREA-26	DELTA	H.S31.0.I.DC.H2.H.21		75 PSID		PRESSURE SWITCH Servicing and Calibration.		
583	1	26-PDSHH-1260.2	PRESSURE SWITCH	A-2661	QP-AREA-26	DELTA	H.S31.0.I.DC.H2.H.21		75 PSID		PRESSURE SWITCH Servicing and Calibration.		
584	1	26-PDSHH-1260.3	PRESSURE SWITCH	A-2661	QP-AREA-26	DELTA	H.S31.0.I.DC.H2.H.21		75 PSID		PRESSURE SWITCH Servicing and Calibration.		
585	1	27-PSHH-1135	PRESSURE SWITCH	K-2701	QP-AREA-27	DELTA	H.PR2.AG.EB.HS		150 PSIG		PRESSURE SWITCH Servicing and Calibration.		
586	1	27-PSHH-1136	PRESSURE SWITCH	K-2701	QP-AREA-27	DELTA	H.PR2.AG.EC.HS		350 PSIG		PRESSURE SWITCH Servicing and Calibration.		
587	1	27-PSHH-1137	PRESSURE SWITCH	K-2701	QP-AREA-27	DELTA	H.PR2.AG.EF.HS		850 PSIG		PRESSURE SWITCH Servicing and Calibration.		
588	1	27-PSHH-1138	PRESSURE SWITCH	K-2701	QP-AREA-27	DELTA	H.PR2.AG.FA.HS		950 PSIG		PRESSURE SWITCH Servicing and Calibration.		
589	1	27-PSHH-1153	PRESSURE SWITCH	K-2701	QP-AREA-27	DELTA	H.S21.3.G.DC.03.F		6-36 PSIG		PRESSURE SWITCH Servicing and Calibration.		
590	1	27-PSHH-1235	PRESSURE SWITCH	K-2711	QP-AREA-27	DELTA	H.PR2.AG.EB.HS		150 PSIG		PRESSURE SWITCH Servicing and Calibration.		
591	1	27-PSHH-1236	PRESSURE SWITCH	K-2711	QP-AREA-27	DELTA	H.PR2.AG.EC.HS		350 PSIG		PRESSURE SWITCH Servicing and Calibration.		
592	1	27-PSHH-1237	PRESSURE SWITCH	K-2711	QP-AREA-27	DELTA	H.PR2.AG.EF.HS		850 PSIG		PRESSURE SWITCH Servicing and Calibration.		
593	1	27-PSHH-1238	PRESSURE SWITCH	K-2711	QP-AREA-27	DELTA	H.PR2.AG.FA.HS		950 PSIG		PRESSURE SWITCH Servicing and Calibration.		
594	1	27-PSHH-1253	PRESSURE SWITCH	K-2711	QP-AREA-27	DELTA	H.S21.3.G.DC.03.F		6-36 PSIG		PRESSURE SWITCH Servicing and Calibration.		
595	1	27-PSHH-312	PRESSURE SWITCH	K-2721	QP-AREA-27	AREVA					PRESSURE SWITCH Servicing and Calibration.		
596	1	27-PSHH-322	PRESSURE SWITCH	K-2721	QP-AREA-27	AREVA					PRESSURE SWITCH Servicing and Calibration.		
597	1	27-PSHH-332	PRESSURE SWITCH	K-2721	QP-AREA-27	AREVA					PRESSURE SWITCH Servicing and Calibration.		
598	1	27-PSHH-342	PRESSURE SWITCH	K-2721	QP-AREA-27	AREVA					PRESSURE SWITCH Servicing and Calibration.		
599	1	27-PSHH-412	PRESSURE SWITCH	K-2731	QP-AREA-27	ACHCROFT	B732SCEN606JMK3TM		200PSI		PRESSURE SWITCH Servicing and Calibration.		
600	1	27-PSHH-422	PRESSURE SWITCH	K-2731	QP-AREA-27	ACHCROFT	B732SCEN606JMK3TM		200PSI		PRESSURE SWITCH Servicing and Calibration.		
601	1	27-PSHH-432	PRESSURE SWITCH	K-2731	QP-AREA-27	DELTA CONTROLS	HS210SEW02J21		160-600 LBF/IN		PRESSURE SWITCH Servicing and Calibration.		
602	1	27-PSHH-442	PRESSURE SWITCH	K-2731	QP-AREA-27	ASHCROFT	B732SCEN606JMK3TM		200 PSI		PRESSURE SWITCH Servicing and Calibration.		
603	1	90-PSHH-9081.1	PRESSURE SWITCH	V-9000A/B	QP-AREA-90	CCS	6905.G.Z.E.20.7042		930 PSIG		PRESSURE SWITCH Servicing and Calibration.		
604	1	90-PSHH-9081.2	PRESSURE SWITCH	V-9000A/B	QP-AREA-90	CCS	6905.G.Z.E.20.7042		930 PSIG		PRESSURE SWITCH Servicing and Calibration.		

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605	1	90-PSHH-9081.3	PRESSURE SWITCH	V-9000A/B	QP-AREA-90	CCS	6905.G.Z.E.20.7042		930 PSIG		PRESSURE SWITCH Servicing and Calibration.		
606	1	91-PDSLL-9106	PRESSURE SWITCH	K-9101A	QP-AREA-91	DELTA	H.S31.0.1.DT.02.J.01		21.8 PSID		PRESSURE SWITCH Servicing and Calibration.		
607	1	91-PDSLL-9126	PRESSURE SWITCH	K-9101B	QP-AREA-91	DELTA	H.S31.0.1.DT.02.J.01		21.8 PSID		PRESSURE SWITCH Servicing and Calibration.		
608	1	91-PDSLL-9146	PRESSURE SWITCH	K-9101C	QP-AREA-91	DELTA	H.S31.0.1.DT.02.J.01		21.8 PSID		PRESSURE SWITCH Servicing and Calibration.		
609	1	91-PDSLL-9166	PRESSURE SWITCH	K-9101D	QP-AREA-91	DELTA	H.S31.0.1.DT.02.J.01		21.8 PSID		PRESSURE SWITCH Servicing and Calibration.		
610	1	91-PSHH-9108	PRESSURE SWITCH	K-9101A	QP-AREA-91	DELTA	H.S21.0.S.EW.02.J.01		324.9 PSIG		PRESSURE SWITCH Servicing and Calibration.		
611	1	91-PSHH-9128	PRESSURE SWITCH	K-9101B	QP-AREA-91	DELTA	H.S21.0.S.EW.02.J.01		324.9 PSIG		PRESSURE SWITCH Servicing and Calibration.		
612	1	91-PSHH-9148	PRESSURE SWITCH	K-9101C	QP-AREA-91	DELTA	H.S21.0.S.EW.02.J.01		324.9 GPSI		PRESSURE SWITCH Servicing and Calibration.		
613	1	91-PSHH-9168	PRESSURE SWITCH	K-9101D	QP-AREA-91	DELTA	H.S21.0.S.EW.02.J.01		324.9 GPSI		PRESSURE SWITCH Servicing and Calibration.		
614	1	93-PSHH-9333	PRESSURE SWITCH	E-9301	QP-AREA-93	DELTA	H.S21.0.A.DP.H2.J.02		34 PSIG		PRESSURE SWITCH Servicing and Calibration.		
615	1	94-PSHH-9422	PRESSURE SWITCH	E-9402	QP-AREA-94	DELTA	H.S21.0.A.ER.H2.J.02		250 PSIG		PRESSURE SWITCH Servicing and Calibration.		
616	1	95-PSHH-9522	PRESSURE SWITCH	E-9502	QP-AREA-95	DELTA	H.S21.0.A.ER.H2.J.02		250 PSIG		PRESSURE SWITCH Servicing and Calibration.		
617	1	97-PSHH-9700/1	PRESSURE SWITCH	V-9700A/B	QP-AREA-97	CCS	6905.G.Z.E.20.7042		930 PSIG		PRESSURE SWITCH Servicing and Calibration.		
618	1	97-PSHH-9700/2	PRESSURE SWITCH	V-9700A/B	QP-AREA-97	CCS	6905.G.Z.E.20.7042		930 PSIG		PRESSURE SWITCH Servicing and Calibration.		
619	1	97-PSHH-9700/3	PRESSURE SWITCH	V-9700A/B	QP-AREA-97	CCS	6905.G.Z.E.20.7042		930 PSIG		PRESSURE SWITCH Servicing and Calibration.		
620	1	99-PSHH-9933	PRESSURE SWITCH	E-9901	QP-AREA-99						PRESSURE SWITCH Servicing and Calibration.		
621	1	20-PSV-102	SAFETY VALVE	M-2001	QP-AREA-20	NUOVO PIGNONE	2551M.TN.002		1100 PSIG	6"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
622	1	20-PSV-103	SAFETY VALVE	M-2001	QP-AREA-20	NUOVO PIGNONE	2551M.TN.002		1100 PSIG	6"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
623	1	20-PSV-105	SAFETY VALVE	V-2003	QP-AREA-20	NUOVO PIGNONE	2511N.CB.002		150 PSIG	4"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
624	1	20-PSV-205	SAFETY VALVE	V-2013	QP-AREA-20	IMI BAILAY BIRKITT	AN6H411122/D		150 PSIG	4"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
625	1	20-PSV-9084A	SAFETY VALVE	M-2002	QP-AREA-20	CROSBY			1100 PSIG	3 X 4"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
626	1	20-PSV-9084B	SAFETY VALVE	M-2002	QP-AREA-20	CROSBY			1100 PSIG	3 X 4"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		

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627	1	20-PSV-9086	SAFETY VALVE	V-2023	QP-AREA-20	CCS	6905.G.Z.E.16.9042		150 PSIG	4"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
628	1	26-PSV-101	SAFETY VALVE	A-2623A-C	QP-AREA-26	NUOVO PIGNONE			95 PSIG	8 X 10"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
629	1	26-PSV-102	SAFETY VALVE	A-2623A-C	QP-AREA-26	NUOVO PIGNONE			95 PSIG	8 X 10"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
630	1	26-PSV-103	SAFETY VALVE	A-2623A-C	QP-AREA-26	NUOVO PIGNONE			95 PSIG	8 X 10"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
631	1	27-PSV-101	SAFETY VALVE	K-2701	QP-AREA-27	NUOVO PIGNONE			95 PSIG	1.5 X 3"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
632	1	27-PSV-102	SAFETY VALVE	K-2701	QP-AREA-27	NUOVO PIGNONE			170 PSIG	6 X 8"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
633	1	27-PSV-103	SAFETY VALVE	K-2701	QP-AREA-27	NUOVO PIGNONE			170 PSIG	1.5 X 2.5"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
634	1	27-PSV-104	SAFETY VALVE	K-2701	QP-AREA-27	NUOVO PIGNONE			390 PSIG	4 X 6"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
635	1	27-PSV-105	SAFETY VALVE	K-2701	QP-AREA-27	NUOVO PIGNONE	2531F.TN.002		390 PSIG	1.5 X 2"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
636	1	27-PSV-106	SAFETY VALVE	K-2701	QP-AREA-27	NUOVO PIGNONE	2551K.TN.002		925 PSIG	3 X 4"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
637	1	27-PSV-107	SAFETY VALVE	K-2701	QP-AREA-27	NUOVO PIGNONE	2551D.TN.002		925 PSIG	1 X 2"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
638	1	27-PSV-108	SAFETY VALVE	K-2701	QP-AREA-27	NUOVO PIGNONE	3K4JPV45		950 PSIG	3 X 4"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
639	1	27-PSV-201	SAFETY VALVE	K-2711	QP-AREA-27	NUOVO PIGNONE	2511H.TB.002		95 PSIG	1.5 X 3"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
640	1	27-PSV-202	SAFETY VALVE	K-2711	QP-AREA-27	NUOVO PIGNONE	2531Q.TN.002		170 PSIG	6 X 8"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		

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641	1	27-PSV-203	SAFETY VALVE	K-2711	QP-AREA-27	NUOVO PIGNONE	2511G.TN.002		170 PSIG	6 X 8"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
642	1	27-PSV-204	SAFETY VALVE	K-2711	QP-AREA-27	NUOVO PIGNONE	2531M.TN.002		390 PSIG	4 X 6"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
643	1	27-PSV-205	SAFETY VALVE	K-2711	QP-AREA-27	NUOVO PIGNONE	2531F.TN.002		390 PSIG	1.5 X 2"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
644	1	27-PSV-206	SAFETY VALVE	K-2711	QP-AREA-27	NUOVO PIGNONE	2551K.TN.002		925 PSIG	3 X 4"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
645	1	27-PSV-207	SAFETY VALVE	K-2711	QP-AREA-27	NUOVO PIGNONE	2551D.TN.002		925 PSIG	1 x 2"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
646	1	27-PSV-208	SAFETY VALVE	K-2711	QP-AREA-27	NUOVO PIGNONE	3K4JPV45		950 PSIG	3 X 4"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
647	1	27-PSV-311	SAFETY VALVE	K-2721	QP-AREA-27	SIEMENS			170 PSIG	6 X 8"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
648	1	27-PSV-312	SAFETY VALVE	K-2721	QP-AREA-27	DRESSER	1905 300C 2 CC MS 31 RF GS ID		95 PSIG	1.5 X 3"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
649	1	27-PSV-321	SAFETY VALVE	K-2721	QP-AREA-27	DRESSER	1910-30MC-1-MS-31-RF- 4S-HP		390 PSIG	4 X 6"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
650	1	27-PSV-322	SAFETY VALVE	K-2721	QP-AREA-27	AREVA	2511G.TN.002		170 PSIG	1.5 X 2.5"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
651	1	27-PSV-331	SAFETY VALVE	K-2721	QP-AREA-27	SIEMENS			925 PSIG	3 X 4"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
652	1	27-PSV-332	SAFETY VALVE	K-2721	QP-AREA-27	SIEMENS	2531F.TN.002		390 PSIG	1.5 X 2"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
653	1	27-PSV-341	SAFETY VALVE	K-2721	QP-AREA-27	SIEMENS			1100 PSIG	3 X 4"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
654	1	27-PSV-342	SAFETY VALVE	K-2721	QP-AREA-27	SIEMENS			925 PSIG	1 x 2"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		

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655	1	27-PSV-343	SAFETY VALVE	K-2721	QP-AREA-27	SIEMENS			56 PSIG	1 x 2"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
656	1	53-PSV-101	SAFETY VALVE	V-5300	QP-AREA-53	NUOVO PIGNONE	2531D.CN.002.1"X2"		460 PSIG	3 X 4"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
657	1	53-PSV-102	SAFETY VALVE	V-5300	QP-AREA-53	NUOVO PIGNONE	2531D.CN.002.1"X2"		460 PSIG	3 X 4"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
658	1	53-PSV-103A	SAFETY VALVE	V-5300	QP-AREA-53	NUOVO PIGNONE	2531D.CN.002.1"X2"		460 PSIG	1 x 2"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
659	1	53-PSV-103B	SAFETY VALVE	V-5300	QP-AREA-53	NUOVO PIGNONE	2531D.CN.002.1"X2"		460 PSIG	1 x 2"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
660	1	53-PSV-104	SAFETY VALVE	V-5300	QP-AREA-53	NUOVO PIGNONE	2531D.CN.002.1"X2"		460 PSIG	1 x 2"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
661	1	53-PSV-105	SAFETY VALVE	V-5302	QP-AREA-53	NUOVO PIGNONE	2511J.CB.002		150 PSIG	2"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
662	1	53-PSV-106	SAFETY VALVE	V-5302	QP-AREA-53	NUOVO PIGNONE	2511J.CB.002		150 PSIG	2"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
663	1	53-PSV-9092	SAFETY VALVE	V-5300	QP-AREA-53				460 PSIG	3"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
664	1	53-PSV-9092A	SAFETY VALVE	V-6300	QP-AREA-53	CROSBY	1.5F2H421112/D		460 PSIG	1.5"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
665	1	53-PSV-9092B	SAFETY VALVE	V-6300	QP-AREA-53	CROSBY	1.5F2H421112/D		460 PSIG	1.5"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
666	1	53-PSV-9093	SAFETY VALVE	V-5300	QP-AREA-53				460 PSIG	3"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
667	1	90-PSV-9081A	SAFETY VALVE	V-9000A/B	QP-AREA-90	IMI BAILAY BIRKITT	6Q8PA32122/2AD		950 PSIG	6 X 8"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
668	1	90-PSV-9081B	SAFETY VALVE	V-9000A/B	QP-AREA-90	IMI BAILAY BIRKITT	6Q8PA32122/2AD		950 PSIG	6 X 8"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		

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669	1	91-PSV-9172	SAFETY VALVE	E-9106A-D	QP-AREA-91	CROSBY	JOS 45		363 PSIG	6"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
670	1	91-PSV-9173	SAFETY VALVE	E-9106A-D	QP-AREA-91	CROSBY	JOS 45		363 PSIG	6"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
671	1	91-PSV-9174A	SAFETY VALVE	V-9107	QP-AREA-91	CROSBY	JOS.E.35.ORK.3" J 4"		362.5 PSIG	3"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
672	1	91-PSV-9174B	SAFETY VALVE	V-9107	QP-AREA-91	CROSBY	JOS.E.35.ORK.3" J 4"		362.5 PSIG	3"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
673	1	91-PSV-9175A	SAFETY VALVE	E-9105	QP-AREA-91	CROSBY	JOS.E.35.ORK.1.5" F2		362.5 PSIG	1.5"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
674	1	91-PSV-9175B	SAFETY VALVE	E-9105	QP-AREA-91	CROSBY	JOS.E.35.ORK.1.5" F2		362.5 PSIG	1.5"	SAFETY VALVE Dismantling, Servicing, Maintenance (Lapping, Parts Change If Required, Calibration), Pressure Testing and Re installation. (Size 1 to 10 Inch)		
675	1	20-TSHH-92103.1	TEMPERATURE SWITCH	M-2001	QP-AREA-20	CCS	6905.G.Z.E.16.9042		155 F		TEMPERATURE SWITCH Servicing and Calibration.		
676	1	20-TSHH-92103.2	TEMPERATURE SWITCH	M-2001	QP-AREA-20	CCS	6905.G.Z.E.16.9042		155 F		TEMPERATURE SWITCH Servicing and Calibration.		
677	1	20-TSHH-92103.3	TEMPERATURE SWITCH	M-2001	QP-AREA-20	CCS	6905.G.Z.E.16.9042		155 F		TEMPERATURE SWITCH Servicing and Calibration.		
678	1	26-TSHH-1174.1	TEMPERATURE SWITCH	A-2651	QP-AREA-26	DELTA	H.S71.0.X.K3.H2.J.21		155 F		TEMPERATURE SWITCH Servicing and Calibration.		
679	1	26-TSHH-1174.2	TEMPERATURE SWITCH	A-2651	QP-AREA-26	DELTA	H.S71.0.X.K3.H2.J.21		155 F		TEMPERATURE SWITCH Servicing and Calibration.		
680	1	26-TSHH-1174.3	TEMPERATURE SWITCH	A-2651	QP-AREA-26	DELTA	H.S71.0.X.K3.H2.J.21		155 F		TEMPERATURE SWITCH Servicing and Calibration.		
681	1	26-TSHH-1274.1	TEMPERATURE SWITCH	A-2661	QP-AREA-26	DELTA	H.S71.0.X.K3.H2.J.21		155 F		TEMPERATURE SWITCH Servicing and Calibration.		
682	1	26-TSHH-1274.2	TEMPERATURE SWITCH	A-2661	QP-AREA-26	DELTA	H.S71.0.X.K3.H2.J.21		155 F		TEMPERATURE SWITCH Servicing and Calibration.		
683	1	26-TSHH-1274.3	TEMPERATURE SWITCH	A-2661	QP-AREA-26	DELTA	H.S71.0.X.K3.H2.J.21		155 F		TEMPERATURE SWITCH Servicing and Calibration.		
684	1	27-TSHH-1135	TEMPERATURE SWITCH	K-2701	QP-AREA-27	CELLA	TAG US		385 F		TEMPERATURE SWITCH Servicing and Calibration.		
685	1	27-TSHH-1136	TEMPERATURE SWITCH	K-2701	QP-AREA-27	CELLA	TAG US		385 F		TEMPERATURE SWITCH Servicing and Calibration.		
686	1	27-TSHH-1137	TEMPERATURE SWITCH	K-2701	QP-AREA-27	CELLA	TAG US		385 F		TEMPERATURE SWITCH Servicing and Calibration.		
687	1	27-TSHH-1139	TEMPERATURE SWITCH	K-2701	QP-AREA-27	CELLA	TAG US		385 F		TEMPERATURE SWITCH Servicing and Calibration.		
688	1	27-TSHH-1151	TEMPERATURE SWITCH	K-2701	QP-AREA-27	DELTA	H.S71.3.N.K3.H3.J		0-212 F		TEMPERATURE SWITCH Servicing and Calibration.		
689	1	27-TSHH-1154	TEMPERATURE SWITCH	K-2701	QP-AREA-27	DELTA	H.S71.3.N.K3.H3.J		82.4+1.8 F		TEMPERATURE SWITCH Servicing and Calibration.		
690	1	27-TSHH-1235	TEMPERATURE SWITCH	K-2711	QP-AREA-27	CELLA	TAG US		385 F		TEMPERATURE SWITCH Servicing and Calibration.		

ATA 2018 Activities List Instrument

Sr.No.	ATA-20	TAG	DESCRIPTION	PARENT	LOCATION	MANUFACTURER	MODLE /TYPE	SERIAL NO.	RANGE	SIZE RATING	Activities	UNIT PRICE (including all taxes except PST/ICT)	LINE PRICE (including all taxes except PST/ICT)
691	1	27-TSHH-1236	TEMPERATURE SWITCH	K-2711	QP-AREA-27	CELLA	TAG US		385 F		TEMPERATURE SWITCH Servicing and Calibration.		
692	1	27-TSHH-1237	TEMPERATURE SWITCH	K-2711	QP-AREA-27	CELLA	TAG US		385 F		TEMPERATURE SWITCH Servicing and Calibration.		
693	1	27-TSHH-1239	TEMPERATURE SWITCH	K-2711	QP-AREA-27	CELLA	TAG US		385 F		TEMPERATURE SWITCH Servicing and Calibration.		
694	1	27-TSHH-1251	TEMPERATURE SWITCH	K-2711	QP-AREA-27	DELTA	H.S71.3.N.K3.H3.J		0-212 F		TEMPERATURE SWITCH Servicing and Calibration.		
695	1	27-TSHH-1254	TEMPERATURE SWITCH	K-2711	QP-AREA-27	DELTA	H.S71.3.N.K3.H3.J		82.4+1.8 F		TEMPERATURE SWITCH Servicing and Calibration.		
696	1	27-TSHH-312	TEMPERATURE SWITCH	K-2721	QP-AREA-27	PREMIER					TEMPERATURE SWITCH Servicing and Calibration.		
697	1	27-TSHH-322	TEMPERATURE SWITCH	K-2721	QP-AREA-27	PREMIER					TEMPERATURE SWITCH Servicing and Calibration.		
698	1	27-TSHH-332	TEMPERATURE SWITCH	K-2721	QP-AREA-27	PREMIER					TEMPERATURE SWITCH Servicing and Calibration.		
699	1	27-TSHH-342	TEMPERATURE SWITCH	K-2721	QP-AREA-27	SIEMENS					TEMPERATURE SWITCH Servicing and Calibration.		
700	1	27-TSHH-3563	TEMPERATURE SWITCH	K-2721	QP-AREA-27						TEMPERATURE SWITCH Servicing and Calibration.		
701	1	27-TSHH-3565	TEMPERATURE SWITCH	K-2721	QP-AREA-27						TEMPERATURE SWITCH Servicing and Calibration.		
702	1	27-TSHH-3570	TEMPERATURE SWITCH	K-2721	QP-AREA-27						TEMPERATURE SWITCH Servicing and Calibration.		
703	1	27-TSLH-3563	TEMPERATURE SWITCH	K-2721	QP-AREA-27						TEMPERATURE SWITCH Servicing and Calibration.		
704	1	27-TSLH-3565	TEMPERATURE SWITCH	K-2721	QP-AREA-27						TEMPERATURE SWITCH Servicing and Calibration.		
705	1	27-TSLH-3570	TEMPERATURE SWITCH	K-2721	QP-AREA-27						TEMPERATURE SWITCH Servicing and Calibration.		
706	1	58-TSHL-19-1	TEMPERATURE SWITCH	A-5814	QP-AREA-58						TEMPERATURE SWITCH Servicing and Calibration.		
707	1	90-TSLL-9073	TEMPERATURE SWITCH	FC-9004	QP-AREA-90	DELTA					TEMPERATURE SWITCH Servicing and Calibration.		
708	1	91-TSHH-9107	TEMPERATURE SWITCH	K-9101A	QP-AREA-91	DELTA	H.S71.0.X.KB.02.E.21		194 F0		TEMPERATURE SWITCH Servicing and Calibration.		
709	1	91-TSHH-9127	TEMPERATURE SWITCH	K-9101B	QP-AREA-91	DELTA	H.S71.0.X.KB.02.E.21		194 F0		TEMPERATURE SWITCH Servicing and Calibration.		
710	1	91-TSHH-9147	TEMPERATURE SWITCH	K-9101C	QP-AREA-91	DELTA	H.S71.0.X.KB.02.E.21		194 F0		TEMPERATURE SWITCH Servicing and Calibration.		
711	1	91-TSHH-9167	TEMPERATURE SWITCH	K-9101D	QP-AREA-91	DELTA	H.S71.0.X.KB.02.E.21		194 F0		TEMPERATURE SWITCH Servicing and Calibration.		
712	1	91-TSHH-9191A	TEMPERATURE SWITCH	K-9101A	QP-AREA-91	DELTA	H.741.0.J.RF.1030		200 F0		TEMPERATURE SWITCH Servicing and Calibration.		
713	1	91-TSHH-9191B	TEMPERATURE SWITCH	K-9101B	QP-AREA-91	DELTA	H.741.0.J.RF.1030		200 F0		TEMPERATURE SWITCH Servicing and Calibration.		
714	1	91-TSHH-9191C	TEMPERATURE SWITCH	K-9101C	QP-AREA-91	DELTA	H.741.0.J.RF.1030		200 F0		TEMPERATURE SWITCH Servicing and Calibration.		
715	1	91-TSHH-9191D	TEMPERATURE SWITCH	K-9101D	QP-AREA-91	DELTA	H.741.0.J.RF.1030		200 F0		TEMPERATURE SWITCH Servicing and Calibration.		
716	1	91-TSHH-9194A	TEMPERATURE SWITCH	K-9101A	QP-AREA-91	DELTA	H.741.0.J.RF.1030		200 F0		TEMPERATURE SWITCH Servicing and Calibration.		
717	1	91-TSHH-9194B	TEMPERATURE SWITCH	K-9101B	QP-AREA-91	DELTA	H.741.0.J.RF.1030		200 F0		TEMPERATURE SWITCH Servicing and Calibration.		
718	1	91-TSHH-9194C	TEMPERATURE SWITCH	K-9101C	QP-AREA-91	DELTA	H.741.0.J.RF.1030		200 F0		TEMPERATURE SWITCH Servicing and Calibration.		

ATA 2018 Activities List Instrument

Sr.No.	ATA-20	TAG	DESCRIPTION	PARENT	LOCATION	MANUFACTURER	MODLE /TYPE	SERIAL NO.	RANGE	SIZE RATING	Activities	UNIT PRICE (including all taxes except PST/ICT)	LINE PRICE (including all taxes except PST/ICT)
719	1	91-TSHH-9194D	TEMPERATURE SWITCH H	K-9101D	QP-AREA-91	DELTA	H.741.0.J.RF.1030		200 F0		TEMPERATURE SWITCH Servicing and Calibration.		
720	1	91-TSHH-9195A	TEMPERATURE SWITCH H	K-9101A	QP-AREA-91	DELTA	H.741.0.J.RF.1030		205 F0		TEMPERATURE SWITCH Servicing and Calibration.		
721	1	91-TSHH-9195B	TEMPERATURE SWITCH H	K-9101B	QP-AREA-91	DELTA	H.741.0.J.RF.1030		205 F0		TEMPERATURE SWITCH Servicing and Calibration.		
722	1	91-TSHH-9195C	TEMPERATURE SWITCH H	K-9101C	QP-AREA-91	DELTA	H.741.0.J.RF.1030		205 F0		TEMPERATURE SWITCH Servicing and Calibration.		
723	1	91-TSHH-9195D	TEMPERATURE SWITCH H	K-9101D	QP-AREA-91	DELTA	H.741.0.J.RF.1030		205 F0		TEMPERATURE SWITCH Servicing and Calibration.		
724	1	92-TSHH-9272	TEMPERATURE SWITCH H	K-9207	QP-AREA-92	DELTA	H.S71.0.P.QC.H2.E.01		212 F0		TEMPERATURE SWITCH Servicing and Calibration.		
725	1	93-TSHH-9305.1	TEMPERATURE SWITCH H	E-9301	QP-AREA-93	DELTA	H.761.0.K.YB.H2.E.1030		600 F0		TEMPERATURE SWITCH Servicing and Calibration.		
726	1	93-TSHH-9305.2	TEMPERATURE SWITCH H	E-9301	QP-AREA-93	DELTA	H.761.0.K.YB.H2.E.1030		600 F0		TEMPERATURE SWITCH Servicing and Calibration.		
727	1	93-TSHH-9305.3	TEMPERATURE SWITCH H	E-9301	QP-AREA-93	DELTA	H.761.0.K.YB.H2.E.1030		600 F0		TEMPERATURE SWITCH Servicing and Calibration.		
728	1	93-TSHH-9315	TEMPERATURE SWITCH H	E-9301	QP-AREA-93	DELTA	H.761.0.K.YB.H2.E.1030		800 F0		TEMPERATURE SWITCH Servicing and Calibration.		
729	1	97-TSLL-9773	TEMPERATURE SWITCH H	FC-9704	QP-AREA-97	DELTA	H.S71.0.P.HA.H2.E.1030		55 F		TEMPERATURE SWITCH Servicing and Calibration.		
730	1	98-TSHH-9709.1	TEMPERATURE SWITCH H	F-9806A/B	QP-AREA-98	ASHCROFT					TEMPERATURE SWITCH Servicing and Calibration.		
731	1	98-TSHH-9709.2	TEMPERATURE SWITCH H	F-9806A/B	QP-AREA-98	ASHCROFT					TEMPERATURE SWITCH Servicing and Calibration.		
732	1	98-TSHH-9709.3	TEMPERATURE SWITCH H	F-9806A/B	QP-AREA-98	ASHCROFT					TEMPERATURE SWITCH Servicing and Calibration.		
733	1	98-TSHH-9872	TEMPERATURE SWITCH H	K-9807	QP-AREA-98	DELTA	H.S71.0.P.QC.H2.E.01		212 F0		TEMPERATURE SWITCH Servicing and Calibration.		
734	1	99-TSHH-9905.1	TEMPERATURE SWITCH H	E-9901	QP-AREA-99	DELTA CONTROLS					TEMPERATURE SWITCH Servicing and Calibration.		
735	1	99-TSHH-9905.2	TEMPERATURE SWITCH H	E-9901	QP-AREA-99	DELTA CONTROLS					TEMPERATURE SWITCH Servicing and Calibration.		
736	1	99-TSHH-9905.3	TEMPERATURE SWITCH H	E-9901	QP-AREA-99	DELTA CONTROLS					TEMPERATURE SWITCH Servicing and Calibration.		
737	1	99-TSHH-9915	TEMPERATURE SWITCH H	E-9901	QP-AREA-99	DELTA CONTROLS					TEMPERATURE SWITCH Servicing and Calibration.		
SUB TOTAL (including all taxes except PST/ICT), (Inst. SOW, Complete Tag List) =													