

**CÔNG VIỆC SỬA CHỮA CÁC CLAMP, THAY THỂ DESUPER HEATER VÀ VỆ SINH CÁC VESSEL TẠI CÁC UNIT 110-113, UNIT 152-254**  
**(Đính kèm Hợp đồng dịch vụ: Số : ..... /HDDV/PTSCTH-GMC ngày tháng năm 2023)**

STOPPOINT NO.	SCOPE CATEGORY	UNIT	PROCESSA REA	Block	EQUIPMENT TAG NO.	EQUIPMENT TAG DESCRIPTION	EQUIPMENT TYPE	SHORT CODE	PROBLEM TO BE SOLVED	SCOPE OF WORK	Size (inches)	Rating
AD110-5978	CLAMPS	110	5	7	HHBFW-110-4401-P2AS-HS	HHBFW-110-4401-P2AS-HS	Piping	PI	TA2023 : To permanent repair Clamp No. CLMP-069	<p>Pre-Shutdown:                      1.) Scaffolding if required                      2.) Remove insulation if required</p> <p>Shutdown:                      1.) Remove the old clamp                      2.) Cleaning sealant                      3.) Open flange for inspection                      4.) Inspection flange                      5.) Cut the damaged flange                      6.) Welding new flange                      7.) NDE work during welding                      8.) Install flange with new gasket followed "Flange Management Procedure"                      9.) Housekeeping                      9.) Transfer clamp to WH for storage</p> <p>Post Shutdown                      1.) Reinstate insulation if required                      2.) Dismantle scaffolding if required</p>	1	2500# x Sch XXS
AD110-5550	CLAMPS	110	5	7	HHPS-110-1353-POMS-HS	110-HHPS-3023 to 110-HHPS-3005	Piping	PI	TA2023 : To permanent repair Clamp No. CLMP-057	<p>Pre-Shutdown:                      1.) Scaffolding if required                      2.) Remove insulation if required</p> <p>Shutdown:                      1.) Remove the old clamp                      2.) Cleaning sealant                      3.) Open flange for inspection                      4.) Inspection flange                      5.) Cut the damaged flange                      6.) Welding new flange                      7.) NDE work during welding                      8.) Install flange with new gasket followed "Flange Management Procedure"                      9.) Housekeeping                      9.) Transfer clamp to WH for storage</p> <p>Post Shutdown                      1.) Reinstate insulation if required                      2.) Dismantle scaffolding if required</p>	0.75	2500# x Sch 160

AD110-5551	CLAMPS	110	5	7	MPCW-110-3006-A2AS-PG	110-MPS-3017 to 110-HPCW-3001	Piping	PI	TA2023 : To permanent repair Clamp No. CLMP-058	<p>Pre-Shutdown:</p> <ol style="list-style-type: none"> <li>1. Scaffold Erection</li> <li>2. Remove Insulation</li> </ol> <p>Shutdown:</p> <ol style="list-style-type: none"> <li>1. Remove the clamp</li> <li>2. Cleaning the sealant</li> <li>3. Cut the existed damaged pipe</li> <li>4. Welding new pipe</li> <li>5. NDE during welding work</li> <li>6. Transfer clamp to WS for store</li> </ol> <p>Post Shutdown:</p> <ol style="list-style-type: none"> <li>1. Reinstate insulation</li> <li>2. Remove scaffolding</li> <li>3. House keeping</li> </ol>	0.75	Sch 160
AD110-6091	CLAMPS	110	5	7	HPS-110-3001-BIAS-HS	110-HPS-0453 to 110-DS-002	Piping	PI	TA2023: HPS-110-3001-81AS to rectify leakage at flanges	<p>Pre-Shutdown:</p> <ol style="list-style-type: none"> <li>1. Erect scaffolding if required</li> <li>2. Remove insulation if required</li> </ol> <p>Shutdown:</p> <ol style="list-style-type: none"> <li>1. Remove the existed clamp</li> <li>2. Cleaning the sealant on flange and clamp</li> <li>3. Un bolting and open all flange as per marked iso/PID for check the mist alignment</li> <li>4. Inspection the piping for check construction defect on this line</li> <li>5. Cut the crack flange 10in</li> <li>6. Re welding new flange as per approved WPS</li> <li>7. Repair the line as per inspection recommendation.</li> <li>8. Reinstall all flange with new gasket</li> </ol> <p>Post Shutdown:</p> <ol style="list-style-type: none"> <li>1. Reinstall insulation if required</li> <li>2. Dismantle scaffold if required</li> </ol>	10	600# x Sch 30
AD152-5977	CLAMPS	152	6	7	P-152-3306-B1GP-NI	P-152-3322 to 152-PSV-0147	Piping	PI	TA2023 : To permanent repair Clamp No. CLMP-068	<p>Pre-Shutdown:</p> <ol style="list-style-type: none"> <li>1. Erect Scaffold if required</li> <li>2. Remove insulation if required</li> </ol> <p>Shutdown:</p> <ol style="list-style-type: none"> <li>1. Perform blinding as per blind list</li> <li>2. Remove damaged pipe</li> <li>3. Replace new pipe</li> <li>4. Touch-up painting</li> <li>5. De-blinding</li> </ol> <p>Post Shutdown:</p> <ol style="list-style-type: none"> <li>1. Reinstate insulation if required</li> <li>2. Dismantle scaffolding if required</li> </ol>	0.75	Sch XS

TA110-2010	CLAMPS	110	5	7	HPCW-110-3001-A2AS-PG	HEADER to 110-LPCW-3031	Piping	PI	TA2023 : 2"-HPCW-110-3001-A2AS-PG condensate header pin hole 2" leakage to repair (clamp)	<p>Pre-Shutdown:</p> <ol style="list-style-type: none"> <li>1. Fabricate the pipe as per Iso drawing</li> <li>2. Erect scaffold for access</li> <li>3. Mark the pipe prior to cut and replace the pinhole pipe</li> </ol> <p>Shutdown:</p> <ol style="list-style-type: none"> <li>1. Do Blinding as per blind list</li> <li>2. Cut the pipe at the marked location</li> <li>3. Weld the pipe as per Iso drawing</li> <li>4. NDT of the weldments as per ITP</li> <li>5. PSSR</li> <li>6. Deblind as per blind list</li> </ol> <p>Post Shutdown</p> <ol style="list-style-type: none"> <li>1. Dismantle as per blind list</li> </ol>	2	Sch XS
TA154-2008	CLAMPS	154	6	7	P-154-2215-A1AP-ET	154-TK-017 to P-154-2218	Piping	PI	TA2023 : 16"-P-154-2215-A1AP-ET Flange leaking to repair (clamps)	<p>Pre-Shutdown:</p> <ol style="list-style-type: none"> <li>1. Scaffold erection</li> </ol> <p>Shutdown :</p> <ol style="list-style-type: none"> <li>1. Loto process.</li> <li>2. Remove the clamp</li> <li>3. Remove the old gasket of the flange</li> <li>4. Inspection to inspect the flanges</li> <li>5. Refacing of flanges if required</li> <li>6. Replace the gasket</li> <li>7. Manual Bolt torquing</li> <li>8. De-isolation process</li> </ol> <p>Post Shutdown:</p> <ol style="list-style-type: none"> <li>1. Dismantle scaffold</li> </ol>	16	150# x Sch 20
TA154-2007	CLAMPS	154	6	7	154-PSV-0072	GO(PREM) TO 154P004A/B	Piping	PI	TA2023 : downstream Flange of 154-PSV-0072 to repair (clamps)	<p>Pre-Shutdown:</p> <ol style="list-style-type: none"> <li>1. Scaffold erection</li> </ol> <p>Shutdown :</p> <ol style="list-style-type: none"> <li>1. Loto process.</li> <li>2. Remove the clamp</li> <li>3. Remove the old gasket of the flange</li> <li>4. Inspection to inspect the flanges</li> <li>5. Refacing of flanges if required</li> <li>6. Replace the gasket</li> <li>7. Manual Bolt torquing</li> <li>8. De-isolation process</li> </ol> <p>Post Shutdown:</p> <ol style="list-style-type: none"> <li>1. Dismantle scaffold</li> </ol>	2	150# x Sch XS

TA154-2006	CLAMPS	154	6	7	154-PSV-0071	GO(PREM) TO 154P004A/B/154P017A/B	Piping	PI	TA2023 : downstream Flange of 154-PSV-0071 to repair (clamps)	<p>Pre-Shutdown:</p> <ol style="list-style-type: none"> <li>Scaffold erection</li> </ol> <p>Shutdown :</p> <ol style="list-style-type: none"> <li>Loto process.</li> <li>Remove the clamp</li> <li>Remove the old gasket of the flange</li> <li>Inspection to inspect the flanges</li> <li>Refacing of flanges if required</li> <li>Replace the gasket</li> <li>Manual Bolt torquing</li> <li>De-isolation process</li> </ol> <p>Post Shutdown:</p> <ol style="list-style-type: none"> <li>Dismantle Scaffold</li> </ol>	2	150# x Sch XS
TA154-2005	CLAMPS	154	6	7	154-PSV-0070	GO(PREM) TO 154TK010	Piping	PI	TA2023 : downstream Flange of 154-PSV-0070 to repair (clamps)	<p>Pre-Shutdown:</p> <ol style="list-style-type: none"> <li>Scaffold erection</li> </ol> <p>Shutdown :</p> <ol style="list-style-type: none"> <li>Loto process.</li> <li>Remove the clamp</li> <li>Remove the old gasket of the flange</li> <li>Inspection to inspect the flanges</li> <li>Refacing of flanges if required</li> <li>Replace the gasket</li> <li>Manual Bolt torquing</li> <li>De-isolation process</li> </ol> <p>Post Shutdown:</p> <ol style="list-style-type: none"> <li>Dismantle Scaffold</li> </ol>	2	150# x Sch XS
TA154-2004	CLAMPS	154	6	7	154-PSV-0060	GO(PREM) TO 154TK009	Piping	PI	TA2023 : downstream Flange of 154-PSV-0060 to repair (clamps)	<p>Pre-Shutdown:</p> <ol style="list-style-type: none"> <li>Scaffold erection</li> </ol> <p>Shutdown :</p> <ol style="list-style-type: none"> <li>Loto process.</li> <li>Remove the clamp</li> <li>Remove the old gasket of the flange</li> <li>Inspection to inspect the flanges</li> <li>Refacing of flanges if required</li> <li>Replace the gasket</li> <li>Manual Bolt torquing</li> <li>De-isolation process</li> </ol> <p>Post Shutdown:</p> <ol style="list-style-type: none"> <li>Dismantle scaffold</li> </ol>	2	150# x Sch XS

AD110-6675	CLAMPS	110	5	7	HHBFW-110-4101-P2AS-HS	HHBFW-110-4101-P2AS-HS	Piping	PI	TA2023 : HHBFW-110-4101-P2AS-HS to permanent repair clamp CLMP-088	<p>Pre-Shutdown:</p> <ol style="list-style-type: none"> <li>1. Scaffold erection if required</li> <li>2. Remove insulation if required</li> </ol> <p>Shutdown :</p> <ol style="list-style-type: none"> <li>1. Loto process.</li> <li>2. Remove the clamp</li> <li>3. Remove the old gasket of the flange</li> <li>4. Inspection to inspect the flanges</li> <li>5. Refacing of flanges if required</li> <li>6. Replace the gasket</li> <li>7. Manual Bolt torquing</li> <li>8. De-isolation process</li> </ol> <p>Post Shutdown:</p> <ol style="list-style-type: none"> <li>1. Dismantle scaffold if required</li> <li>2. Reinstate insulation if required</li> </ol>	1	2500#
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