

## FGD EXPANSION JOINT (5PCS)

S/N	STOPPOINT NO.	UNIT	PROCES SAREA	Block	EQUIPMENT TAG NO.	EQUIPMENT TAG DESCRIPTION	EQUIPMENT TYPE	SCOPE OF WORK	Size	Rating
1	TA111-0096	111	Sec-5	7	111-Y-902	Expansion Joint	Non-metal Expansion Joint	<p><b>Pre-Shutdown:</b></p> <ol style="list-style-type: none"> <li>Erect scaffold wherever required: <i>By PTH</i></li> <li>Insulation removal if required: <i>By PTH</i></li> <li>Mobilize the materials by boom truck: <i>By PTH</i></li> <li>QA / QC check on material. : <i>By PTH</i></li> <li>Fabrication of the 48" of blinds if cant be purchase: <i>if need to fabricate will be by PTH</i></li> <li>Permit and tagging preparation.: <i>By PTH</i></li> </ol> <p><b>Shudown:</b></p> <ol style="list-style-type: none"> <li>Loto process. <i>By NSRP</i></li> <li>Removal of cable and instrument connection. <i>By PTH</i></li> <li>First line break checklist – No energy check. <i>By PTH</i></li> <li>Blinding as per the blind list. <i>By PTH</i></li> <li>Pump out the water form Absorber pump water inlet. <i>By Subcon (Pump provided by PTH)</i></li> <li>Open manholes at absorber and set up ventilation as per ventilation plan. <i>By Subcon</i></li> <li>Enter the manhole and do inspection as per inspection plan. <i>By NSRP</i></li> <li>Mobilize crane and setup to lift the expansion joint. <i>By PTH</i></li> <li>Inspect the flange surface of outlet expansion joint. <i>By NSRP</i></li> <li>Replace the outlet expansion joint 111-Y-902. <i>By Subcon</i></li> <li>Final inspection by inspection and technical teams. <i>By NSRP</i></li> <li>Remove all ventilation setup. <i>By Subcon</i></li> <li>Sign off the box up form. <i>By PTH</i></li> <li>Box up the flue gas lining and Absorber manholes and do torquing as per the torquing procedure. <i>By Subcon</i></li> <li>Install back the cables and instrumentations <i>By PTH</i></li> <li>Deblinding as per the blind list <i>By PTH</i></li> <li>Mechanical handover. <i>By PTH &amp; Subcon - NSRP</i></li> <li>PSSR <i>By PTH &amp; Subcon - NSRP</i></li> <li>Service test by Ops for the expansion joint leaks. <i>By PTH &amp; Subcon - NSRP</i></li> <li>House keeping. <i>By Subcon</i></li> </ol> <p><b>Post Shutdown:</b></p> <ol style="list-style-type: none"> <li>QA/QC Final inspection. <i>By PTH</i></li> <li>De-isolation process. <i>By PTH</i></li> <li>Install removed insulation. <i>By PTH</i></li> <li>Remove scaffold if erect. <i>By PTH</i></li> </ol>	5650 mm Ø	N/A
2	AD111-5970	111	Sec-5	7	111-Y-925	Expansion Joint	Non-metal Expansion Joint	<p><b>Pre-Shutdown:</b></p> <ol style="list-style-type: none"> <li>Erect scaffold wherever required: <i>By PTH</i></li> <li>Insulation removal if required: <i>By PTH</i></li> <li>Mobilize the materials by boom truck: <i>By PTH</i></li> <li>QA / QC check on material. : <i>By PTH</i></li> <li>Fabrication of the 48" of blinds if cant be purchase: <i>if need to fabricate will be by PTH</i></li> <li>Permit and tagging preparation.: <i>By PTH</i></li> </ol> <p><b>Shudown:</b></p> <ol style="list-style-type: none"> <li>Loto process. <i>By NSRP</i></li> <li>Removal of cable and instrument connection. <i>By PTH</i></li> <li>First line break checklist – No energy check. <i>By PTH</i></li> <li>Blinding as per the blind list. <i>By PTH</i></li> <li>Pump out the water form Absorber pump water inlet. <i>By Subcon (Pump provided by PTH)</i></li> <li>Open manholes at absorber and set up ventilation as per ventilation plan. <i>By Subcon</i></li> <li>Enter the manhole and do inspection as per inspection plan. <i>By NSRP</i></li> <li>Mobilize crane and setup to lift the expansion joint. <i>By PTH</i></li> <li>Inspect the flange surface of outlet expansion joint. <i>By NSRP</i></li> <li>Replace the outlet expansion joint 111-Y-925. <i>By Subcon</i></li> <li>Final inspection by inspection and technical teams. <i>By NSRP</i></li> <li>Remove all ventilation setup. <i>By PTH</i></li> <li>Sign off the box up form. <i>By PTH</i></li> <li>Box up the flue gas lining and Absorber manholes and do torquing as per the torquing procedure. <i>By Subcon</i></li> <li>Install back the cables and instrumentations <i>By PTH</i></li> </ol>	5772 mm x 8902 mm	N/A

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								16. Deblinding as per the blind list <b>By Subcon</b> 17. Mechanical handover. <b>By PTH &amp; Subcon - NSRP</b> 18. PSSR <b>By PTH &amp; Subcon - NSRP</b> 19. Service test by Ops for the expansion joint leaks. <b>By PTH &amp; Subcon - NSRP</b> 20. House keeping. <b>By Subcon</b> <b>Post Shutdown:</b> 1. QA/QC Final inspection. <b>By PTH</b> 2. De-isolation process. <b>By PTH</b> 3. Install removed insulation. <b>By PTH</b> 4. Remove scaffold if erect. <b>By PTH</b>		
3	AD111-6086	111	Sec-5	7	111-Y-926	Expansion Joint	Non-metal Expansion Joint	<b>Pre-Shutdown:</b> 1. Erect scaffold wherever required: <b>By PTH</b> 2. Insulation removal if required: <b>By PTH</b> 3. Mobilize the materials by boom truck: <b>By PTH</b> 4. QA / QC check on material. : <b>By PTH</b> 5. Fabrication of the 48" of blinds if cant be purchase: <b>if need to fabricate will be by PTH</b> 6. Permit and tagging preparation.: <b>By PTH</b> <b>Shudown:</b> 1. Loto process. <b>By NSRP</b> 2. Removal of cable and instrument connection. <b>By PTH</b> 3. First line break checklist – No energy check. <b>By PTH</b> 4. Blinding as per the blind list. <b>By PTH</b> 5. Pump out the water form Absorber pump water inlet. <b>By Subcon (Pump provided by PTH)</b> 6. Open manholes at absorber and set up ventilation as per ventilation plan. <b>By Subcon</b> 7. Enter the manhole and do inspection as per inspection plan. <b>By NSRP</b> 8. Mobilize crane and setup to lift the expansion joint. <b>By PTH</b> 9. Inspect the flange surface of outlet expansion joint. <b>By NSRP</b> 10. Replace the outlet expansion joint 111-Y-926. <b>By Subcon</b> 11. Final inspection by inspection and technical teams. <b>By NSRP</b> 12. Remove all ventilation setup. <b>By Subcon</b> 13. Sign off the box up form. <b>By PTH</b> 14. Box up the flue gas lining and Absorber manholes and do torquing as per the torquing procedure. <b>By Subcon</b> 15. Install back the cables and instrumentations <b>By PTH</b> 16. Deblinding as per the blind list <b>By PTH</b> 17. Mechanical handover. <b>By PTH &amp; Subcon - NSRP</b> 18. PSSR <b>By PTH &amp; Subcon - NSRP</b> 19. Service test by Ops for the expansion joint leaks. <b>By PTH &amp; Subcon - NSRP</b> 20. House keeping. <b>By Subcon</b> <b>Post Shutdown:</b> 1. QA/QC Final inspection. <b>By PTH</b> 2. De-isolation process. <b>By PTH</b> 3. Install removed insulation. <b>By PTH</b> 4. Remove scaffold if erect. <b>By PTH</b>	4212 mm x 5812 mm	N/A

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4	AD111-6087	111	Sec-5	7	111-Y-904	Expansion Joint	Non-metal Expansion Joint	<p><b>Pre-Shutdown:</b></p> <ol style="list-style-type: none"> <li>Erect scaffold wherever required: <b>By PTH</b></li> <li>Insulation removal if required: <b>By PTH</b></li> <li>Mobilize the materials by boom truck: <b>By PTH</b></li> <li>QA / QC check on material. : <b>By PTH</b></li> <li>Fabrication of the 48" of blinds if cant be purchase: <b>if need to fabricate will be by PTH</b></li> <li>Permit and tagging preparation.: <b>By PTH</b></li> </ol> <p><b>Shudown:</b></p> <ol style="list-style-type: none"> <li>Loto process. <b>By NSRP</b></li> <li>Removal of cable and instrument connection. <b>By PTH</b></li> <li>First line break checklist – No energy check. <b>By PTH</b></li> <li>Blinding as per the blind list. <b>By PTH</b></li> <li>Pump out the water form Absorber pump water inlet. <b>By Subcon (Pump provided by PTH)</b></li> <li>Open manholes at absorber and set up ventilation as per ventilation plan. <b>By Subcon</b></li> <li>Enter the manhole and do inspection as per inspection plan. <b>By NSRP</b></li> <li>Mobilize crane and setup to lift the expansion joint. <b>By PTH</b></li> <li>Inspect the flange surface of outlet expansion joint. <b>By NSRP</b></li> <li>Replace the outlet expansion joint 111-Y-904. <b>BBBy Subcon</b></li> <li>Final inspection by inspection and technical teams. <b>By NSRP</b></li> <li>Remove all ventilation setup. <b>By Subcon</b></li> <li>Sign off the box up form. <b>By PTH</b></li> <li>Box up the flue gas lining and Absorber manholes and do torquing as per the torquing procedure. <b>By Subcon</b></li> <li>Install back the cables and instrumentations <b>By PTH</b></li> <li>Deblinding as per the blind list <b>By PTH</b></li> <li>Mechanical handover. <b>By PTH &amp; Subcon - NSRP</b></li> <li>PSSR <b>By PTH &amp; Subcon - NSRP</b></li> <li>Service test by Ops for the expansion joint leaks. <b>By PTH &amp; Subcon - NSRP</b></li> <li>House keeping. <b>By Subcon</b></li> </ol> <p><b>Post Shutdown:</b></p> <ol style="list-style-type: none"> <li>QA/QC Final inspection. <b>By PTH</b></li> <li>De-isolation process. <b>By PTH</b></li> <li>Install removed insulation. <b>By PTH</b></li> <li>Remove scaffold if erect. <b>By PTH</b></li> </ol>	4212 mm x 5812 mm	N/A
5	AD111-6088	111	Sec-5	7	111-Y-901	Expansion Joint	Non-metal Expansion Joint	<p><b>Pre-Shutdown:</b></p> <ol style="list-style-type: none"> <li>Erect scaffold wherever required: <b>By PTH</b></li> <li>Insulation removal if required: <b>By PTH</b></li> <li>Mobilize the materials by boom truck: <b>By PTH</b></li> <li>QA / QC check on material. : <b>By PTH</b></li> <li>Fabrication of the 48" of blinds if cant be purchase: <b>if need to fabricate will be by PTH</b></li> <li>Permit and tagging preparation.: <b>By PTH</b></li> </ol> <p><b>Shudown:</b></p> <ol style="list-style-type: none"> <li>Loto process. <b>By NSRP</b></li> <li>Removal of cable and instrument connection. <b>By PTH</b></li> <li>First line break checklist – No energy check. <b>By PTH</b></li> <li>Blinding as per the blind list. <b>By PTH</b></li> <li>Pump out the water form Absorber pump water inlet. <b>By Subcon (Pump provided by PTH)</b></li> <li>Open manholes at absorber and set up ventilation as per ventilation plan. <b>By Subcon</b></li> <li>Enter the manhole and do inspection as per inspection plan. <b>By NSRP</b></li> <li>Mobilize crane and setup to lift the expansion joint. <b>By PTH</b></li> <li>Inspect the flange surface of outlet expansion joint. <b>By NSRP</b></li> <li>Replace the outlet expansion joint 111-Y-901. <b>BBBy Subcon</b></li> <li>Final inspection by inspection and technical teams. <b>By NSRP</b></li> <li>Remove all ventilation setup. <b>By PTH</b></li> <li>Sign off the box up form. <b>By PTH</b></li> <li>Box up the flue gas lining and Absorber manholes and do torquing as per the torquing procedure. <b>By Subcon</b></li> <li>Install back the cables and instrumentations <b>By PTH</b></li> </ol>	5612 mm x 5012 mm	N/A

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