**TITLE: - SOP FOR RETRIVAL OF CORROSION COUPON AT HATHIDAH T-POINT.**

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| **SL. NO.** | **ACTIVITY** | **RESPONSIBILITY** |
|  | Work permits to be ensured prior to commencement of Corrosion coupon retrieval as per OISD-105. Job safety analysis to be done. | Maintenance In-Charge |
|  | Isolate the piping section in which corrosion coupon is installed by closing upstream MOV (MOV-2003) and downstream MOVs (MOV-2004 & MOV-2005). Draining to be carried out through drain valve of this isolated section. | -Do- |
|  | Close the drain valves & introduce Nitrogen Gas into the system for making it inert. Pressurize this section up to 0.5 kg/sqcm. | -Do- |
|  | Prior to opening the closure lid of corrosion coupon, ensure that LPG specific PPE, tools & tackles, are available near the area. | -Do- |
|  | After Nitrogen purging is completed, unscrew the lid of corrosion coupon and observe if pressure is still left inside the isolated section (by observing the flow of vapor from inside, if any). | -Do- |
|  | If no significant flow of vapor is observed, open the closure lid and remove the corrosion coupon. | -Do- |
|  | Immediately after removal of coupon, the coupon serial number, removal date, observations of any erosion or mechanical damage, and appearance of scale or corrosion product is to be recorded. | -Do- |
|  | The coupon should be photographed immediately after removal, particularly if the appearance of the corrosion coupon product or scale is important. | -Do- |
|  | Do not scrub or clean the corrosion product; gentle blotting the corrosion coupon with tissue paper or a clean, soft cloth may be done to remove dirt. | -Do- |
|  | Place the coupon in a moisture-proof container to avoid any contamination by oxidation or by handling and ship immediately to a metallurgical laboratory for analysis. | -Do- |

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| RECORDS GENERATED : | 1) | SHIFT LOGBOOK SHEET |
|  | 2) | SHIFT HANDING OVER REGISTER |
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