

MASTER PLAN FOR ROTATING EQUIPMENT (OVERHAUL SCHEDULE)  
RU IV CILACAP - YEAR 2023 - 2033

| NO | AREA | TAGNO       | TAG DESCRIPTION ( SERVICE )         | MANUFACTURE                | TYPE           | Last OH | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | REMARKS   |
|----|------|-------------|-------------------------------------|----------------------------|----------------|---------|------|------|------|------|------|------|------|------|------|------|------|---|
| 1  | FOC1 | 12K1A/00    | RECYCLE GAS/FRESH GAS COMPR         | INGERSOLL DRESSER PUMP CO. | COMP-RECIP     | 2018    |      |      |      |      |      |      |      |      |      |      |      |   |
| 2  | FOC1 | 12K1B/00    | RECYCLE GAS/FRESH GAS COMPR         | INGERSOLL DRESSER PUMP CO. | COMP-RECIP     | 2020    |      |      |      |      |      | OH   |      |      |      |      | OH   |   |
| 3  | FOC1 | 12K1C/00    | RECYCLE GAS/FRESH GAS COMPR         | DRESSER-RAND               | COMP-RECIP     | 2022    |      |      |      |      |      |      |      |      |      |      |      |   |
| 4  | FOC1 | 13K1A/00    | MAKE UP RECYCLE COMP                | INGERSOLL DRESSER PUMP CO. | COMP-RECIP     | 2022    |      |      |      |      |      |      |      |      |      |      |      |   |
| 5  | FOC1 | 13K1B/00    | MAKE UP RECYCLE COMP                | INGERSOLL DRESSER PUMP CO. | COMP-RECIP     | 2021    |      |      |      |      |      |      |      |      |      |      |      |   |
| 6  | FOC1 | 14K1/00     | RECYCLE GAS COMP                    | DRESSER CLARK              | COMP-CENT.     | 2017    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033)    |
| 7  | FOC1 | 14K1T/00    | TURB F/ RECYCLE GAS COMP            | TERRY TURBINE              | STEAM TURBINE  | 2017    | OH   |      |      |      |      | OH   |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033)    |
| 8  | FOC1 | 14K602A/00  | NET GAS COMPRESSOR                  | KOBE STEEL LTD             | COMP-RECIP     | 2019    |      | OH   |      |      |      |      |      |      |      |      | OH   |   |
| 9  | FOC1 | 14K602B/00  | NET GAS COMPRESSOR                  | KOBE STEEL LTD             | COMP-RECIP     | 2019    |      |      | OH   |      |      |      |      |      |      |      |      |   |
| 10 | FOC1 | 14K621B/00  | LP NITROGEN COMPRESSOR              | MIKUNI JUKOGYO CO. LTD     | COMP-RECIP     | 2019    |      |      |      | OH   |      |      |      |      |      |      |      |   |
| 11 | FOC1 | 14K621B/00  | LP NITROGEN COMPRESSOR              | MIKUNI JUKOGYO CO. LTD     | COMP-RECIP     | 2019    |      |      |      |      |      | OH   |      |      |      |      |      | OH Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 12 | FOC1 | 14K650/00   | REGENERATION BLOWER                 | ILLINOIS BLOWER, INC.      | BLOWER         | 2019    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033)    |
| 13 | FOC1 | 14K651/00   | COOLER BLOWER                       | ILLINOIS BLOWER, INC.      | BLOWER         | 2019    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033)    |
| 14 | FOC1 | 14K652/00   | SPENT CATALYST LIFT GAS BLOWER      | SUNDYNE                    | BLOWER OH6     | 2019    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033)    |
| 15 | FOC1 | 14K653/00   | BLOWER                              | SUNDYNE                    | BLOWER OH6     | 2019    | OH   |      |      |      |      | OH   |      |      |      |      |      |   |
| 16 | FOC1 | 10K601/00   | N2 COMPRESSOR                       | MIKUNI JUKOGYO CO. LTD     | COMP-RECIP     | 2017    | OH   |      |      |      |      |      |      | OH   |      |      |      |   |
| 17 | FOC2 | 011K101A/00 | CRUDE OVHD GAS COMP                 | INGERSOLL DRESSER PUMP CO. | COMP-RECIP     | 2018    |      | OH   |      |      |      |      |      |      | OH   |      |      | Carry over from 2022  |
| 18 | FOC2 | 011K101B/00 | CRUDE OVHD GAS COMP                 | INGERSOLL DRESSER PUMP CO. | COMP-RECIP     | 2018    |      |      |      |      |      |      |      |      |      |      |      |   |
| 19 | FOC2 | 011K101C/00 | CRUDE OVHD GAS COMP                 | INGERSOLL-RAND             | COMP-RECIP     | 2008    | OH   |      |      |      |      |      |      |      |      |      |      | Carry over from 2022  |
| 20 | FOC2 | 012K101A/00 | RECYCLE GAS COMPRESSOR              | INGERSOLL-RAND             | COMP-RECIP     | 2021    |      |      |      |      |      |      | OH   |      |      |      |      |   |
| 21 | FOC2 | 012K101B/00 | RECYCLE GAS COMPRESSOR              | INGERSOLL-RAND             | COMP-RECIP     | 2013    | OH   |      |      |      |      |      |      |      | OH   |      |      | Carry over from 2022  |
| 22 | FOC2 | 013K101A/01 | 1ST STAGE RCYCL GAS COMPRESSOR      | DRESSER-RAND               | COMP-RECIP     | 2013    | OH   |      |      |      |      |      |      |      |      |      |      |   |
| 23 | FOC2 | 013K101B/00 | 1ST STAGE RCYCL GAS COMPRESSOR      | INGERSOLL DRESSER PUMP CO. | COMP-RECIP     | 2014    | OH   |      |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 24 | FOC2 | 014K101/00  | RECYCLE GAS COMPRESSOR              | DRESSER CLARK              | COMP-CENT.     | 2019    |      | OH   |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 25 | FOC2 | 014K101T/00 | TURBINE FOR014K101                  | TURBODYNE                  | STEAM TURBINE  | 2019    |      | OH   |      |      |      |      |      |      |      |      |      | Carry over from 2022  |
| 26 | FOC2 | 014K102A/00 | NET GAS BOOST COMP                  | INGERSOLL DRESSER PUMP CO. | COMP-RECIP     | 2022    |      |      |      |      | OH   |      |      |      |      |      |      |   |
| 27 | FOC2 | 014K102B/00 | NET GAS BOOST COMP                  | INGERSOLL DRESSER PUMP CO. | COMP-RECIP     | 2013    | OH   |      |      |      |      |      |      |      |      |      |      |   |
| 28 | FOC2 | 014K102C/00 | NET GAS BOOST COMP                  | INGERSOLL DRESSER PUMP CO. | COMP-RECIP     | 2015    | OH   |      |      |      |      |      |      |      |      |      |      |   |
| 29 | FOC2 | 014K103/00  | BLOWER CHLORINATION                 | GARDEN CITY                | COMP-RECIP     | 2019    |      | OH   |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 30 | FOC2 | 014K104/00  | BLOWER REGENERATION                 | GARDEN CITY                | BLOWER         | 2019    |      | OH   |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 31 | FOC2 | 018K101A/00 | RECYCLE GAS COMPRESSOR              | INGERSOLL RAND             | COMP-RECIP     | 2013    | OH   |      |      |      |      |      |      |      | OH   |      |      |   |
| 32 | FOC2 | 018K101B/00 | RECYCLE GAS COMPRESSOR              | INGERSOLL RAND             | COMP-RECIP     | 2021    |      |      |      |      |      |      |      |      |      |      |      |   |
| 33 | KPC  | 8K201A/00   | NET GAS COMPRESSOR                  | KOBE STEEL, LTD            | COMP-RECIP     | 2020    |      |      |      |      | OH   |      |      |      |      |      |      |   |
| 34 | KPC  | 8K201B/00   | NET GAS COMPRESSOR                  | KOBE STEEL, LTD            | COMP-RECIP     | 2016    | OH   |      |      |      |      |      |      |      |      |      | OH   | Carry over from 2022  |
| 35 | KPC  | 8K201/00    | RECYCLE GAS COMPRESSOR              | HITACHI CO. LTD.           | COMP-CENT.     | 2019    |      | OH   |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 36 | KPC  | 8K4201/00   | DRIVER FOR 8K4201                   | SHIN-NIPPON MACHINERY      | STEAM TURBINE  | 2019    |      | OH   |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 37 | KPC  | 8K4202/00   | NET GAS COMPRESSOR                  | KOBE STEEL, LTD            | COMP-RECIP     | 2019    |      |      | OH   |      |      |      |      |      |      | OH   |      |   |
| 38 | KPC  | 8K4202B/00  | NET GAS COMPRESSOR                  | KOBE STEEL, LTD            | COMP-RECIP     | 2020    |      |      |      | OH   |      |      |      |      |      |      |      |   |
| 39 | KPC  | 8K4202C/00  | NET GAS COMPRESSOR                  | KOBE STEEL, LTD            | COMP-RECIP     | 2017    | OH   |      |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 40 | KPC  | 8K4251/00   | CHLORINATION BLOW.                  | GARDEN CITY FAN CO         | BLOWER         | 2019    |      |      |      |      |      |      | OH   |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 41 | KPC  | 8K4252/00   | REG.COOLER BLOWER                   | GARDEN CITY FAN COMPANY    | BLOWER         | 2019    |      |      |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 42 | KPC  | 8K4253/00   | REG.COOLER BLOWER                   | GARDEN CITY FAN COMPANY    | BLOWER         | 2019    |      |      |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 43 | KPC  | 8K4254/00   | LIFT GAS BLOWER                     | MIKUNI KIKAI KOGYO         | BLOWER         | 2019    |      |      |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 44 | KPC  | 8K4201/00   | RECYCLE GAS COMPRESSOR              | HITACHI CO. LTD.           | COMP-CENT.     | 2019    |      |      |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 45 | KPC  | 8K4201/00   | DRIVER FOR 8K4201                   | SHIN-NIPPON MACHINERY      | STEAM TURBINE  | 2019    |      |      |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 46 | KPC  | 8BA201A/00  | ROTARY VALVE                        | UOP MONIREX                | ROTARY VALVE   | 2018    |      |      |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 47 | KPC  | 8BA201B/00  | ROTARY VALVE                        | UOP MONIREX                | ROTARY VALVE   | 2018    |      |      |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 48 | KPC  | 8BA201/00   | RECYCLE GAS COMPRESSOR              | HITACHI CO. LTD.           | COMP-CENT.     | 2019    |      |      |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 49 | KPC  | 8K4201/00   | DRIVER FOR 8K4201                   | SHIN-NIPPON MACHINERY      | STEAM TURBINE  | 2019    |      |      |      |      |      |      |      |      |      |      |      | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)          |
| 50 | LOC1 | 21F1K/00    | FORCE DRAFT FAN                     | ZURN INDUSTRIES            | BLOWER         | 2017    | OH   |      |      |      |      | OH   |      |      |      |      |      | OH Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 51 | LOC1 | 21F1K/00    | INDUCED DRAFT FAN                   | ZURN INDUSTRIES            | BLOWER         | 2017    | OH   |      |      |      |      | OH   |      |      |      |      |      | OH Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 52 | LOC1 | 22K1/00     | WET PROPAANE COMP                   | INGERSOLL DRESSER PUMP CO. | COMP-RECIP     | 2017    | OH   |      |      |      |      | OH   |      |      |      |      |      | OH Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 53 | LOC1 | 24E1A/00    | SCRAPED SURFACE DOUBLE PIPE EXCHANG | RICHA RICH ARMSTG          | ROTARY CHILLER | 2022    |      |      |      |      |      |      |      |      |      |      |      | OH Eksekusi mengikuti jadwal TA (Done 2022)                 |
| 54 | LOC1 | 24E1B/00    | SCRAPED SURFACE DOUBLE PIPE EXCHANG | RICHA RICH ARMSTG          | ROTARY CHILLER | 2022    | OH   |      |      |      |      |      |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Done 2022)                    |
| 55 | LOC1 | 24E2A/00    | SCRAPED SURFACE DOUBLE PIPE CHILLER | RICHA RICH ARMSTRONG       | ROTARY CHILLER | 2022    |      |      |      |      |      | OH   |      |      |      |      |      | OH Eksekusi mengikuti jadwal TA (Done 2022)                 |
| 56 | LOC1 | 24E2B/00    | SCRAPED SURFACE DOUBLE PIPE CHILLER | RICHA RICH ARMSTRONG       | ROTARY CHILLER | 2022    |      |      |      |      |      | OH   |      |      |      |      |      | OH Eksekusi mengikuti jadwal TA (Done 2022)                 |



MASTER PLAN FOR ROTATING EQUIPMENT (OVERHAUL SCHEDULE)  
RU IV CILACAP - YEAR 2023 - 2033

| NO  | AREA | TAGNO         | TAG DESCRIPTION ( SERVICE )          | MANUFACTURE                   | TYPE           | Last OH | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | REMARKS  |
|-----|------|---------------|--------------------------------------|-------------------------------|----------------|---------|------|------|------|------|------|------|------|------|------|------|------|--|
| 57  | LOC1 | 24K100        | INERT GAS COMPRESSOR                 | DRESSER CLARK                 | COMP-CENT.     | 2017    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 58  | LOC1 | 24K1G00       | GEAR INCR FZ4K1                      | WESTERN                       | GEARBOX        | 2017    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 59  | LOC1 | 24K200        | PROPANE COMP                         | DRESSER CLARK                 | COMP-CENT      | 2017    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 60  | LOC1 | 24K2100       | TURBINE FOR 24K2                     | DRESSER-CLARK                 | STEAM TURBINE  | 2017    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 61  | LOC1 | 24S1A00       | ROTARY DRUM VACUUM FILTER            | EMCO                          | VACUUM FILTER  | 2022    |      |      |      |      |      | OH   |      |      |      |      |      |  |
| 62  | LOC1 | 24S1B00       | ROTARY DRUM VACUUM FILTER            | EMCO                          | VACUUM FILTER  | 2020    |      |      |      |      |      |      |      |      |      | OH   |      |  |
| 63  | LOC1 | 24S1C00       | ROTARY DRUM VACUUM FILTER            | EMCO                          | VACUUM FILTER  | 2020    |      |      |      |      |      |      |      |      |      |      |      |  |
| 64  | LOC2 | 021F101K100   | FORCE DRAFT FAN                      | SOLVENT-VENTEC                | BLOWER         | 2016    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 65  | LOC2 | 022K101G00    | WET PROPANE COMPRESSOR               | INGERSOLL DRESSER PUMP CO.    | COMP-RECIP     | 2016    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 66  | LOC2 | 024E101A00    | SCRAPED SURFACE DOUBLE PIPE EXCHANGE | BORSIG                        | ROTARY CHILLER | 2021    |      |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 67  | LOC2 | 024E101B00    | SCRAPED SURFACE DOUBLE PIPE EXCHANGE | BORSIG                        | ROTARY CHILLER | 2021    |      |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 68  | LOC2 | 024E102A00    | SCRAPED SURFACE DOUBLE PIPE CHILLER  | BORSIG                        | ROTARY CHILLER | 2020    |      |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 69  | LOC2 | 024E102B00    | SCRAPED SURFACE DOUBLE PIPE CHILLER  | BORSIG                        | ROTARY CHILLER | 2020    |      |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 70  | LOC2 | 024E102C00    | SCRAPED SURFACE DOUBLE PIPE CHILLER  | BORSIG                        | ROTARY CHILLER | 2022    |      |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 71  | LOC2 | 024E102D00    | SCRAPED SURFACE DOUBLE PIPE CHILLER  | BORSIG                        | ROTARY CHILLER | 2022    |      |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 72  | LOC2 | 024K101G00    | INERT GAS COMPRESSOR                 | INGERSOLL DRESSER PUMP CO.    | COMP-CENT.     | 2016    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 73  | LOC2 | 024K101G00    | GEAR F/INERT GASCOMP                 | WESTECH                       | GEARBOX        | 2016    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 74  | LOC2 | 024K102G00    | PROPANE COMPRESSOR                   | DRESSER CLARK                 | COMP-CENT.     | 2016    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 75  | LOC2 | 024K102T00    | TURBINE FOR024K102                   | TURBODYNE                     | STEAM TURBINE  | 2016    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 76  | LOC2 | 025P101A00    | PMP, HOT OIL CIRC                    | BYRON JACKSON                 | PUMP-BB-SSTG   | 2016    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 77  | LOC2 | 025P101A-T00  | TURBINE FOR025P101A                  | TURBODYNE                     | STEAM TURBINE  | 2016    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 78  | LOC2 | 024S101A00    | ROTARY DRUM VACUUM FILTER            | EMCO                          | VACUUM FILTER  | -       | OH   |      |      |      |      | OH   |      |      |      |      |      |  |
| 79  | LOC2 | 024S101B00    | ROTARY DRUM VACUUM FILTER            | EMCO                          | VACUUM FILTER  | -       |      | OH   |      |      |      | OH   |      |      |      |      | OH   |  |
| 80  | LOC2 | 024S101C00    | ROTARY DRUM VACUUM FILTER            | EMCO                          | VACUUM FILTER  | 2022    |      |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 81  | LOC2 | 024S101D00    | ROTARY DRUM VACUUM FILTER            | EMCO                          | COMP-RECIP     | 2019    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 82  | LOC3 | 220K101G00    | PROPANE COMPRESSOR                   | DRESSER-RAND                  | ROTARY CHILLER | 2020    |      | OH   |      |      |      | OH   |      |      |      |      | OH   |  |
| 83  | LOC3 | 240E101A00    | SCRAPED SURFACE DOUBLE PIPE EXCHANGE | BABCOCK-BORSIG                | ROTARY CHILLER | 2021    |      |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 84  | LOC3 | 240E101B00    | SCRAPED SURFACE DOUBLE PIPE EXCHANGE | BABCOCK-BORSIG                | ROTARY CHILLER | 2022    |      |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 85  | LOC3 | 240E102A00    | SCRAPED SURFACE DOUBLE PIPE CHILLER  | DEUTSCHE BABCOCK-BORSIG       | ROTARY CHILLER | 2019    | OH   |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 86  | LOC3 | 240E102B00    | SCRAPED SURFACE DOUBLE PIPE CHILLER  | BABCOCK-BORSIG                | ROTARY CHILLER | 2019    | OH   |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 87  | LOC3 | 240E102C00    | SCRAPED SURFACE DOUBLE PIPE CHILLER  | BABCOCK-BORSIG                | ROTARY CHILLER | 2016    | OH   |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 88  | LOC3 | 240E102D00    | SCRAPED SURFACE DOUBLE PIPE CHILLER  | BABCOCK-BORSIG                | ROTARY CHILLER | 2022    |      |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 89  | LOC3 | 240K101G00    | INERT GAS COMPRESSOR                 | DRESSER-RAND                  | COMP-CENT.     | 2016    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 90  | LOC3 | 240K101G00    | GEAR BOX FOR 240K101                 | WESTECH                       | GEARBOX        | 2016    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 91  | LOC3 | 240K102G00    | PROPANE COMPRESSOR                   | DRESSER-RAND                  | COMP-CENT.     | 2016    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 92  | LOC3 | 240K102T00    | TURBINE FOR 240K102                  | DRESSER-RAND                  | STEAM TURBINE  | 2016    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 93  | LOC3 | 260K101A00    | FRESH GAS COMPRESSOR                 | NUOVO PIGNONE SPA             | COMP-RECIP     | 2017    |      |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 94  | LOC3 | 260K101B00    | FRESH GAS COMPRESSOR                 | NUOVO PIGNONE SPA             | COMP-RECIP     | 2021    |      |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 95  | LOC3 | 260K151B00    | FORCED DRAFT FAN                     | CHICAGO BLOWER                | BLOWER         | 2016    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 96  | LOC3 | 240S101A00    | ROTARY DRUM VACUUM FILTER            | EMCO                          | VACUUM FILTER  | 2021    |      |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 97  | LOC3 | 240S101B00    | ROTARY DRUM VACUUM FILTER            | EMCO                          | VACUUM FILTER  | 2022    |      |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 98  | LOC3 | 240S101C00    | ROTARY DRUM VACUUM FILTER            | EMCO                          | VACUUM FILTER  | 2022    |      |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 99  | LOC3 | 240S101D00    | ROTARY DRUM VACUUM FILTER            | EMCO                          | VACUUM FILTER  | 2020    |      |      |      |      |      | OH   |      |      |      |      | OH   |  |
| 100 | OM   | 48P101A00     | CRUDE CDU 2 FEED PUMP                | INGERSOLL RAND                | PUMP-BB-SSTG   | 2019    |      |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)       |
| 101 | OM   | 48P101B00     | CRUDE CDU 2 FEED PUMP                | INGERSOLL RAND                | PUMP-BB-SSTG   | 2019    |      |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)       |
| 102 | OM   | 48P101C00     | CRUDE CDU 2 FEED PUMP                | INGERSOLL RAND                | PUMP-BB-SSTG   | 2019    |      |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)       |
| 103 | OM   | 48P1A00       | CDU 1 FEED PUMP                      | UNITED                        | PUMP-BB-WSTG   | 2019    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 104 | OM   | 48P1B00       | CDU 1 FEED PUMP                      | UNITED                        | PUMP-BB-WSTG   | 2019    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2023, 2028 & 2033) |
| 105 | RFCC | 101F503K100   | FORCE DRAFT BLOWER                   | AEROMECCANICA STRANICH        | BLOWER         | 2019    |      |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)       |
| 106 | RFCC | 101F503K200   | FORCE DRAFT BLOWER                   | AEROMECCANICA STRANICH        | BLOWER         | 2019    |      |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)       |
| 107 | RFCC | 101F503K2-T00 | TURBINE FOR FORCE DRAFT BLOWER       | DRESSER RAND SALE HAYRE OPER. | STEAM TURBINE  | 2019    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)       |
| 108 | RFCC | 101K501T00    | MAIN AIR BLOWER                      | MAN DIESEL & TURBO SE         | BLOWER         | 2019    |      |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)       |
| 109 | RFCC | 101K501T00    | TURBINE FOR MAIN AIR BLOWER          | MAN DIESEL & TURBO SE         | STEAM TURBINE  | 2019    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)       |
| 110 | RFCC | 102K501T00    | WET GAS COMPRESSOR                   | ELLIOT EBARA                  | COMP-CENT.     | 2019    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)       |
| 111 | RFCC | 102K501T00    | TURBINE FOR WET GAS COMPRESSOR       | ELLIOT EBARA                  | STEAM TURBINE  | 2019    | OH   |      |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)       |
| 112 | RFCC | 104K501T00    | HEAT PUMP COMPRESSOR                 | ELLIOT EBARA                  | COMP-CENT.     | 2019    |      | OH   |      |      |      | OH   |      |      |      |      | OH   | Eksekusi mengikuti jadwal TA (Planned 2024 & 2029)       |



MASTER PLAN FOR ROTATING EQUIPMENT (OVERHAUL SCHEDULE)  
RU IV CLACAP - YEAR 2023 - 2033

| NO  | AREA     | TACHO           | TAG DESCRIPTION ( SERVICE )      | MANUFACTURE                    | TYPE          | Last OH | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | REMARKS  |
|-----|----------|-----------------|----------------------------------|--------------------------------|---------------|---------|------|------|------|------|------|------|------|------|------|------|------|--|
| 113 | RFCG     | 104501T/00      | TURBINE FOR HEAT PUMP COMPRESSOR | ELLIOT EBARA                   | STEAM TURBINE | 2019    |      | OH   |      |      |      |      | OH   |      |      |      |      | Ekeekusi mengikuti jadwal TA (Planned 2024 & 2029)   |
| 114 | GTO      | 105501K1/00     | FORCED DRAFT FAN                 | AEROMECCANICA STRANICH         | BLOWER        | 2019    |      | OH   |      |      |      |      | OH   |      |      |      |      | Ekeekusi mengikuti jadwal TA (Planned 2024 & 2029)   |
| 115 | GTO      | 105501K2/00     | INDUCED DRAFT FAN                | AEROMECCANICA STRANICH         | BLOWER        | 2019    |      | OH   |      |      |      |      | OH   |      |      |      |      | Ekeekusi mengikuti jadwal TA (Planned 2024 & 2029)   |
| 116 | GTO      | 105501/00       | RECYCLE GAS COMPRESSOR           | ELLIOT EBARA                   | COMP-CENT.    | 2019    |      | OH   |      |      |      |      | OH   |      |      |      |      | Ekeekusi mengikuti jadwal TA (Planned 2024 & 2029)   |
| 117 | GTO      | 105501G5/00     | G BOX F/ RECYCLE GAS COMPRESSOR  | SEISA GEAR                     | GEARBOX       | 2019    |      |      |      |      |      |      | OH   |      |      |      |      | Running Hours Rendah, Planned TA 2029                |
| 118 | GTO      | 1084501A/00     | HYDROGEN COMPRESSOR              | KOBE STEEL LTD                 | COMP-RECIP    | 2015    |      |      |      | OH   |      |      |      |      |      |      |      |  |
| 119 | GTO      | 1084501B/00     | HYDROGEN COMPRESSOR              | KOBE STEEL LTD                 | COMP-RECIP    | 2015    |      |      |      | OH   |      |      |      |      |      |      |      |  |
| 120 | GTO      | 1084502A/00     | PSA OFFGAS COMPRESSOR            | KOBE STEEL LTD                 | COMP-RECIP    | 2015    |      |      |      | OH   |      |      |      |      |      |      |      |  |
| 121 | GTO      | 1084502B/00     | PSA OFFGAS COMPRESSOR            | KOBE STEEL LTD                 | COMP-RECIP    | 2015    |      |      |      | OH   |      |      |      |      |      |      |      |  |
| 122 | GTO      | 1204601A/00     | RECYCLE GAS COMPRESSORS          | KOBE STEEL LTD                 | COMP-RECIP    | 2019    |      |      |      | OH   |      |      |      |      |      |      |      |  |
| 123 | GTO      | 1204601B/00     | RECYCLE GAS COMPRESSORS          | KOBE STEEL LTD                 | COMP-RECIP    | 2019    |      |      |      | OH   |      |      |      |      |      |      |      |  |
| 124 | UTL RFCG | 1564501A/00     | AIR COMPRESSOR                   | ELLIOT EBARA                   | COMP-CENT.    | 2022    |      |      |      | OH   |      |      |      |      |      | OH   |      |  |
| 125 | UTL RFCG | 1564501A-T/00   | TURBINE DRIVER                   | DRESSER RAND                   | STEAM TURBINE | 2015    |      | OH   |      |      |      |      | OH   |      |      |      |      | Ekeekusi mengikuti jadwal TA (Planned 2024 & 2029)   |
| 126 | UTL RFCG | 1564501B/00     | AIR COMPRESSOR                   | ELLIOT EBARA                   | COMP-CENT.    | 2022    |      |      |      |      | OH   |      |      |      |      | OH   |      |  |
| 127 | UTL RFCG | 1564502A/00     | AIR COMPRESSOR                   | ELLIOT EBARA                   | COMP-CENT.    | 2019    |      | OH   |      |      |      |      | OH   |      |      |      |      | Ekeekusi mengikuti jadwal TA (Planned 2024 & 2029)   |
| 128 | UTL RFCG | 1564502A-T/00   | TURBINE DRIVER                   | DRESSER RAND                   | STEAM TURBINE | 2015    |      | OH   |      |      |      |      | OH   |      |      |      |      | Ekeekusi mengikuti jadwal TA (Planned 2024 & 2029)   |
| 129 | UTL RFCG | 1564502B/00     | AIR COMPRESSOR                   | ELLIOT EBARA                   | COMP-CENT.    | 2020    |      | OH   |      |      |      |      | OH   |      |      |      |      | Ekeekusi mengikuti jadwal TA (Planned 2024 & 2029)   |
| 130 | UTL RFCG | 1564502B-T/00   | TURBINE DRIVER                   | DRESSER RAND                   | STEAM TURBINE | 2015    |      | OH   |      |      |      |      | OH   |      |      |      |      | Ekeekusi mengikuti jadwal TA (Planned 2024 & 2029)   |
| 131 | UTL RFCG | 1515501A-K1/00  | FORCE DRAFT FAN BOILER           | MITSUYA FAN MFG CO.LTD.        | CENT FAN      | 2015    |      | OH   |      |      |      |      | OH   |      |      |      |      | Menyesuaikan schedule Stop/Oh Boiler                 |
| 132 | UTL RFCG | 1515501A-K1T/00 | DRIVER FOR FDE BOILER            | SHIN NIPPON MACHINERY CO. LTD. | STEAM TURBINE | 2015    |      | OH   |      |      |      |      | OH   |      |      |      |      | Menyesuaikan schedule Stop/Oh Boiler                 |
| 133 | UTL RFCG | 1515501B-K1/00  | FORCE DRAFT FAN BOILER           | MITSUYA FAN MFG CO.LTD.        | CENT FAN      | 2015    |      | OH   |      |      |      |      | OH   |      |      |      |      | Menyesuaikan schedule Stop/Oh Boiler                 |
| 134 | UTL RFCG | 1515501B-K1T/00 | DRIVER FOR FDE BOILER            | SHIN NIPPON MACHINERY CO. LTD. | STEAM TURBINE | 2015    |      | OH   |      |      |      |      | OH   |      |      |      |      | Menyesuaikan schedule Stop/Oh Boiler                 |
| 135 | UTL RFCG | 1515501C-K1/00  | FORCE DRAFT FAN BOILER           | MITSUYA FAN MFG CO.LTD.        | CENT FAN      | 2015    |      | OH   |      |      |      |      | OH   |      |      |      |      | Menyesuaikan schedule Stop/Oh Boiler                 |
| 136 | UTL RFCG | 1515501C-K1T/00 | DRIVER FOR FDE BOILER            | SHIN NIPPON MACHINERY CO. LTD. | STEAM TURBINE | 2015    |      | OH   |      |      |      |      | OH   |      |      |      |      | Menyesuaikan schedule Stop/Oh Boiler                 |
| 137 | UTL RFCG | 1564501K1A/00   | AIR COMPRESSOR - N2 PLANT        | INGERSOLL RAND                 | COMP-CENT.    | 2018    |      | OH   |      |      |      |      | OH   |      |      |      |      | Menyesuaikan schedule Stop/Oh Boiler                 |
| 138 | UTL RFCG | 1564501K1B/00   | AIR COMPRESSOR - N2 PLANT        | INGERSOLL RAND                 | COMP-CENT.    | 2018    |      | OH   |      |      |      |      | OH   |      |      |      |      | Menyesuaikan schedule Stop/Oh Boiler                 |
| 139 | UTL RFCG | 1525001A-T/00   | STEAM TURBINE GENERATOR (15 MW)  | SHIN NIPPON MACHINERY CO. LTD. | STEAM TURBINE | 2015    |      | OH   |      |      |      |      |      |      |      | OH   |      |  |
| 140 | UTL RFCG | 1525001B-T/00   | STEAM TURBINE GENERATOR (15 MW)  | SHIN NIPPON MACHINERY CO. LTD. | STEAM TURBINE | 2019    |      |      |      |      | OH   |      |      |      |      |      |      |  |
| 141 | UTL RFCG | 1525001C-T/00   | STEAM TURBINE GENERATOR (15 MW)  | SHIN NIPPON MACHINERY CO. LTD. | STEAM TURBINE | 2015    |      |      | OH   |      |      |      |      |      |      | OH   |      |  |
| 142 | UTL      | 051G101T/00     | STEAM TURBINE GENERATOR (20 M)   | TURBODYNE                      | STEAM TURBINE | 2012    |      | OH   |      |      |      |      |      |      |      |      |      |  |
| 143 | UTL      | 051G102T/00     | STEAM TURBINE GENERATOR (20 M)   | TURBODYNE                      | STEAM TURBINE | 2018    |      |      |      |      |      | OH   |      |      |      |      |      |  |
| 144 | UTL      | 051G103T/00     | STEAM TURBINE GENERATOR (20 M)   | TURBODYNE                      | STEAM TURBINE | 2021    |      |      |      |      |      |      | OH   |      |      |      |      |  |
| 145 | UTL      | 510G201T/00     | STEAM TURBINE GENERATOR (20 M)   | DRESSER RAND                   | STEAM TURBINE | 2016    |      |      | OH   |      |      |      |      |      |      |      |      |  |
| 146 | UTL      | 510G301T/00     | STEAM TURBINE GENERATOR (8 M)    | DRESSER RAND                   | STEAM TURBINE | 2015    |      |      | OH   |      |      |      |      |      |      |      |      |  |
| 147 | UTL      | 51G11/00        | STEAM TURBINE GENERATOR (8 M)    | NUOVO PIGNONE                  | STEAM TURBINE | 2019    |      |      |      |      |      | OH   |      |      |      |      |      |  |
| 148 | UTL      | 51G21/00        | STEAM TURBINE GENERATOR (8 M)    | ELLIOTT                        | STEAM TURBINE | 2014    |      | OH   |      |      |      |      |      |      |      |      | OH   |  |
| 149 | UTL      | 51G31/00        | STEAM TURBINE GENERATOR (8 M)    | ELLIOTT                        | STEAM TURBINE | 2017    |      |      |      | OH   |      |      |      |      |      |      |      |  |
| 150 | UTL      | 510G601T/00     | STEAM TURBINE GENERATOR (8 M-)   | GE THERMODYN                   | STEAM TURBINE | 2019    |      |      |      |      |      |      | OH   |      |      |      |      |  |
| 151 | UTL      | 56K1/00         | INSTUMENT AIR COMPRESSOR         | INGERSOLL RAND                 | COMP-RECIP    | 2019    |      |      | OH   |      |      |      |      |      |      | OH   |      |  |
| 152 | UTL      | 56K2/00         | INSTUMENT AIR COMPRESSOR         | INGERSOLL RAND                 | COMP-RECIP    | 2020    |      |      |      | OH   |      |      |      |      |      |      |      |  |
| 153 | UTL      | 56K3/00         | INSTUMENT AIR COMPRESSOR         | INGERSOLL RAND                 | COMP-RECIP    | 2021    |      |      |      |      | OH   |      |      |      |      |      | OH   |  |
| 154 | UTL      | 56K102/00       | INSTR AIR COMP 50 D66 5612       | INGERSOLL RAND                 | COMP-RECIP    | 2021    |      |      |      |      | OH   |      |      |      |      |      | OH   |  |
| 155 | UTL      | 5604301/00      | INSTUMENT AIR COMPRESSOR         | INGERSOLL RAND                 | COMP-SCREW    | 2022    |      |      |      |      | OH   |      |      |      |      |      | OH   |  |
| 156 | UTL      | 5604302/00      | INSTUMENT AIR COMPRESSOR         | INGERSOLL RAND                 | COMP-CENT.    | 2017    |      | OH   |      |      |      |      | OH   |      |      |      | OH   |  |
| 157 | UTL      | 56K201/00       | INSTUMENT AIR COMPRESSOR         | INGERSOLL RAND                 | COMP-CENT.    | 2021    |      |      |      | OH   |      |      |      |      |      |      |      |  |
| 158 | UTL      | 5604601A/00     | INSTUMENT AIR COMPRESSOR         | FS-ELLIOTT CO. LLC             | COMP-CENT.    | 2019    |      |      |      | OH   |      |      |      |      |      | OH   |      |  |
| 159 | UTL      | 5604601B/00     | INSTUMENT AIR COMPRESSOR         | FS-ELLIOTT CO. LLC             | COMP-CENT.    | 2019    |      |      |      | OH   |      |      |      |      |      |      | OH   |  |
| 160 | UTL      | 5904301K1/00    | AIR COMPRESSOR - N2 PLANT        | INGERSOLL RAND                 | COMP-SCREW    | 2018    |      | OH   |      |      |      | OH   |      |      |      |      | OH   |  |
| 161 | UTL      | 5904301K2/00    | AIR COMPRESSOR - N2 PLANT        | INGERSOLL RAND                 | COMP-SCREW    | 2018    |      |      |      |      |      | OH   |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Last OH Boiler 2022)    |
| 162 | UTL      | 5281K/00        | FORCE DRAFT FAN BOILER           | WESTING HOUSE                  | CENT FAN      | 2019    |      |      |      | OH   |      |      |      |      |      |      | OH   | Menyesuaikan Stop/Oh Boiler (Last OH Boiler 2022)    |
| 163 | UTL      | 5281K-T/00      | DRIVER FOR FDE BOILER            | TURBODYNE                      | STEAM TURBINE | 2019    |      |      |      | OH   |      |      |      |      |      |      | OH   | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 164 | UTL      | 5282K1/00       | FORCE DRAFT FAN BOILER           | CHICAGO BLOWER                 | CENT FAN      | 2019    |      |      | OH   |      |      |      |      |      | OH   |      |      |  |



**MASTER PLAN FOR ROTATING EQUIPMENT (OVERHAUL SCHEDULE)**  
**RU IV CILACAP - YEAR 2023 - 2033**

| NO  | AREA | TAGNO         | TAG DESCRIPTION ( SERVICE ) | MANUFACTURE                    | TYPE          | Last OH | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | REMARKS  |
|-----|------|---------------|-----------------------------|--------------------------------|---------------|---------|------|------|------|------|------|------|------|------|------|------|------|--|
| 165 | UTL  | 5228K-T/00    | DRIVER FOR FDF BOILER       | TERRY TURBINE                  | STEAM TURBINE | 2017    |      |      |      |      |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 166 | UTL  | 5228K-000     | FORCE DRAFT FAN BOILER      | WESTING HOUSE                  | CENT FAN      | 2017    | OH   |      |      |      |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 167 | UTL  | 5228K-T/00    | DRIVER FOR FDF BOILER       | TERRY TURBINE                  | STEAM TURBINE | 2017    | OH   |      |      |      |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 168 | UTL  | 052B101K-000  | FORCE DRAFT FAN BOILER      | WATANABE MFG                   | CENT FAN      | 2017    |      | OH   |      |      |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Last OH Boiler 2022)    |
| 169 | UTL  | 052B101K-T/00 | DRIVER FOR FDF BOILER       | TURBODYNE                      | STEAM TURBINE | 2020    |      | OH   |      |      |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Last OH Boiler 2022)    |
| 170 | UTL  | 052B101K-G/00 | GEARBOX FOR FDF BOILER      | WATANABE MFG                   | GEARBOX       | 2017    |      |      |      |      |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 171 | UTL  | 052B102K-000  | FORCE DRAFT FAN BOILER      | TURBODYNE                      | CENT FAN      | 2020    |      |      |      | OH   |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 172 | UTL  | 052B102K-T/00 | DRIVER FOR FDF BOILER       | TURBODYNE                      | STEAM TURBINE | 2020    |      |      |      | OH   |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 173 | UTL  | 052B102K-G/00 | GEARBOX FOR FDF BOILER      | WATANABE MFG                   | GEARBOX       | 2020    |      |      |      |      | OH   |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 174 | UTL  | 052B103K-000  | FORCE DRAFT FAN BOILER      | TURBODYNE                      | CENT FAN      | 2018    | OH   |      |      |      |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 175 | UTL  | 052B103K-T/00 | DRIVER FOR FDF BOILER       | GEARBOX                        | STEAM TURBINE | 2018    |      |      |      |      |      |      | OH   |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 176 | UTL  | 052B103K-G/00 | GEARBOX FOR FDF BOILER      | TURBODYNE                      | GEARBOX       | 2018    | OH   |      |      |      |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 177 | UTL  | 052B104K-000  | DRIVER FOR FDF BOILER       | WATANABE MFG                   | CENT FAN      | 2018    |      |      |      |      |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 178 | UTL  | 052B104K-T/00 | FORCE DRAFT FAN BOILER      | TURBODYNE                      | STEAM TURBINE | 2018    |      |      |      |      |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 179 | UTL  | 052B104K-G/00 | GEARBOX FOR FDF BOILER      | NIHON KUNGAGE CO. LTD.         | GEARBOX       | 2017    |      |      |      |      |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 180 | UTL  | 5228201K-T/00 | FORCE DRAFT FAN BOILER      | SHIN NIPPON MACHINERY CO. LTD. | CENT FAN      | 2019    | OH   |      |      |      |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 181 | UTL  | 5228201K-T/00 | DRIVER FOR FDF BOILER       | HOWDEN BUFFALO                 | STEAM TURBINE | 2020    |      |      |      | OH   |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 182 | UTL  | 520B301K-T/00 | FORCE DRAFT FAN BOILER      | ELLIOT                         | CENT FAN      | 2020    |      |      |      | OH   |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 183 | UTL  | 520B301K-T/00 | DRIVER FOR FDF BOILER       | HOWDEN                         | STEAM TURBINE | 2020    |      |      |      |      | OH   |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 184 | UTL  | 520B401K-T/00 | FORCE DRAFT FAN BOILER      | ELLIOTT                        | CENT FAN      | 2020    |      |      |      |      | OH   |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 185 | UTL  | 520B401K-T/00 | DRIVER FOR FDF BOILER       | SAWMON E&B CO. LTD.            | STEAM TURBINE | 2019    |      |      |      |      | OH   |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 186 | UTL  | 520B601K-T/00 | FORCE DRAFT FAN BOILER      | ELLIOTT EBARA                  | CENT FAN      | 2019    |      |      |      |      |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |
| 187 | UTL  | 520B601K-T/00 | DRIVER FOR FDF BOILER       |                                | STEAM TURBINE | 2019    |      |      |      |      |      |      |      |      |      |      |      | Menyesuaikan Stop/Oh Boiler (Planned OH Boiler 2023) |

Note :

1. Usulan PM Overhaul peralihan rotating didasarkan pada "Time Based & Condition Based" dalam Master Plan hanya memuat jadwal overhaul berdasarkan "Time Based".
2. Rencana overhaul berdasarkan "Condition Based" akan disusun saat penyusunan Rkap dengan dasar pertimbangan antara lain :
  - Rekomendasi Engineer terkait mitigasi plant gap dan hasil evaluasi monitoring kondisi peralatan (BEC, BOC & Con Mon RE)
  - Tindaklanjut & mitigasi hasil evaluasi risk register
  - Hasil keputusan management RU IV terkait dengan optimalisasi kendaraan dan strategi bisnis perusahaan
3. Rencana pelaksanaan TA pada tahun 2023, 2024, 2028 dan 2029
4. Masterplan berikut sebagai pembaruan terhadap Masterplan sebelumnya (Memo REL No. 007/KP/47300/2022-S2 tanggal 14 Januari 2022)

|  |   |   |   |  |   |   |   |   |   |
|--|---|---|---|--|---|---|---|---|---|
| Reliability Manager  | Procurement Manager   | ME Manager  | ME II Manager   | Prod. I Manager  | Prod. II Manager  | Prod. III Manager   | MPS Manager   | TA Manager  | SMOM  |
|  |  |  |  |  |  |  |  |  |  |
| Ikwani Rosadi  | Ahmed Din S   | Poak Alexander S  | Kartono Dwi S   | Ali Muchair  | Idris Zaenal A  | Edwin Nugroho   | Tur Istianto Widodo   | Andhika Wirasastika   | Hermawan B  |

## NOTA



Cilacap, 28 Desember 2022

Kepada : 1. SMOM  
2. Manager MPS  
3. Manager ME-1  
4. Manager ME-2  
5. Manager Production I  
6. Manager Production II  
7. Manager Production III  
8. Manager Procurement  
9. Manager TA

Dari : Manager Reliability

Perihal : Permohonan Persetujuan Update Master Plan Overhaul Schedule  
Rotating Equipment Tahun 2023-2033 RU IV Cilacap

Terlampir disampaikan hasil review Master Plan Overhaul Schedule Rotating Equipment Tahun 2023-2033 sebagai pembaharuan master plan sebelum nya (Ref. Memo Manager Reliability No. 007/KPI47300/2022-S2 tanggal 14 Januari 2022).

Demikian disampaikan, mohon persetujuan dan atas perhatiannya diucapkan terima kasih.

Manager Reliability,

A blue ink signature of Ikwan Rosadi, consisting of a stylized 'I' followed by a large, flowing 'R' and 'S' that loops back.

**Ikwan Rosadi**