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# LAMPIRAN

### Lampiran 1 Tabel Sequencing Bottom Pull Work

| Day 1-2 (18-19 December 2020) |             |  | Day 1-2 (18-19 December 2020) |             |  |
|-------------------------------|-------------|--|-------------------------------|-------------|--|
| SHIFT 1                       |             |  | SHIFT 2                       |             |  |
| NO                            | JAM         | ITEM PEKERJAAN   | NO                            | JAM         | ITEM PEKERJAAN   |
| 1                             | 06.00-06.15 | Permit Preparation   | 1                             | 18.00-18.15 | Permit Preparation   |
| 2                             | 06.15-06.30 | Toolbox Meeting  | 2                             | 18.15-18.30 | Toolbox Meeting  |
| 3                             | 06.30-06.45 | Lifting Gear, Power & Hand Tools Preparation                     | 3                             | 18.30-18.40 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P5)      |
| 4                             | 06.45-06.55 | Lifting the Triple Joint Pipeline to Roller Ø6 Inch (P1&P2)      | 4                             | 18.40-18.50 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P8&P9)   |
| 5                             | 06.55-07.05 | Lifting the Triple Joint Pipeline to Roller Ø2 Inch (P1,P2&P3)   | 5                             | 18.50-19.05 | Bevelling & Fit-up Ø6 Inch (P4&P5)                                 |
| 6                             | 07.05-07.20 | Bevelling & Fit-up Ø6 Inch (P1&P2)                               | 6                             | 18.50-19.05 | Bevelling & Fit-up Ø2 Inch (P7,P8&P9)                              |
| 7                             | 07.05-07.20 | Bevelling & Fit-up Ø2 Inch (P1,P2,&P3)                           | 7                             | 19.05-20.35 | Welding Joint Ø6 Inch (P4&P5)                                      |
| 8                             | 07.20-08.50 | Welding Joint Ø6 Inch (P1&P2)                                    | 8                             | 19.05-20.05 | Welding Joint Ø2 Inch (P7,P8&P9)                                   |
| 9                             | 07.20-08.20 | Welding Joint Ø2 Inch (P1,P2,&P3)                                | 9                             | 20.35-21.15 | NDT  |
| 10                            | 08.50-09.30 | NDT  | 10                            | 21.15-21.30 | Coating (P5 Ø6 Inch) & (P8&P9 Ø2 Inch)                             |
| 11                            | 09.30-09.45 | Coating (P1 & P2 Ø6 Inch) & (P1,P2&P3 Ø2 Inch)                   | 11                            | 21.30-21.45 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 12                            | 09.45-10.00 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)   | 12                            | 21.45-21.55 | Towed by Poonton for Pipeline Movement Sec. 4 (144/1200 ml)        |
| 13                            | 10.00-10.10 | Towed by Poonton for Pipeline Movement Sec. 1 (36/1200 ml)       | 13                            | 21.55-22.05 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P6)      |
| 14                            | 10.10-10.20 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P3)    | 14                            | 22.05-22.15 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P10&P11) |
| 15                            | 10.20-10.30 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P4&P5) | 15                            | 22.15-22.30 | Bevelling & Fit-up Ø6 Inch (P5&P6)                                 |
| 16                            | 10.30-10.45 | Bevelling & Fit-up Ø6 Inch (P2&P3)                               | 16                            | 22.15-22.30 | Bevelling & Fit-up Ø2 Inch (P9,P10&P11)                            |
| 17                            | 10.30-10.45 | Bevelling & Fit-up Ø2 Inch (P3,P4&P5)                            | 17                            | 22.30-00.00 | Welding Joint Ø6 Inch (P5&P6)                                      |
| 18                            | 10.45-12.00 | Welding Joint Ø6 Inch (P2&P3)                                    | 18                            | 22.30-23.30 | Welding Joint Ø2 Inch (P9,P10&P11)                                 |
| 19                            | 10.45-11.45 | Welding Joint Ø2 Inch (P3,P4&P5)                                 | 19                            | 00.00-01.00 | Istirahat Shift 2  |
| 20                            | 12.00-13.00 | Istirahat Shift 1  | 20                            | 01.00-01.40 | NDT  |
| 21                            | 13.00-13.15 | Continue Welding Joint Ø6 Inch (P2&P3)                           | 21                            | 01.40-01.55 | Coating (P6 Ø6 Inch) & (P10&P11 Ø2 Inch)                           |
| 22                            | 13.15-13.55 | NDT  | 22                            | 01.55-02.10 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 23                            | 13.55-14.10 | Coating (P3 Ø6 Inch) & (P4&P5 Ø2 Inch)                           | 23                            | 02.10-02.20 | Towed by Poonton for Pipeline Movement Sec. 5 (180/1200 ml)        |
| 24                            | 14.10-14.25 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)   | 24                            | 02.20-02.30 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P7)      |
| 25                            | 14.25-14.35 | Towed by Poonton for Pipeline Movement Sec. 2 (72/1200 ml)       | 25                            | 02.30-02.40 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P12&P13) |
| 26                            | 14.35-14.45 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P4)    | 26                            | 02.40-02.55 | Bevelling & Fit-up Ø6 Inch (P6&P7)                                 |
| 27                            | 14.45-14.55 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P6&P7) | 27                            | 02.40-02.55 | Bevelling & Fit-up Ø2 Inch (P11,P12&P13)                           |
| 28                            | 14.55-15.10 | Bevelling & Fit-up Ø6 Inch (P3&P4)                               | 28                            | 02.55-04.25 | Welding Joint Ø6 Inch (P6&P7)                                      |
| 29                            | 14.55-15.10 | Bevelling & Fit-up Ø2 Inch (P5,P6&P7)                            | 29                            | 02.55-03.55 | Welding Joint Ø2 Inch (P11,P12&P13)                                |
| 30                            | 15.10-16.40 | Welding Joint Ø6 Inch (P3&P4)                                    | 30                            | 04.25-05.05 | NDT  |
| 31                            | 15.10-16.10 | Welding Joint Ø2 Inch (P5,P6&P7)                                 | 31                            | 05.05-05.20 | Coating (P7 Ø6 Inch) & (P12&P13 Ø2 Inch)                           |
| 32                            | 16.40-17.20 | NDT  | 32                            | 05.20-05.35 | Install the Parallel Cable Anode Sec. 1 (219/1200 ml)              |
| 33                            | 17.20-17.35 | Coating (P4 Ø6 Inch) & (P6&P7 Ø2 Inch)                           | 33                            | 05.35-05.50 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 34                            | 17.35-17.50 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)   | 34                            | 05.50-06.00 | Towed by Poonton for Pipeline Movement Sec. 6 (216/1200 ml)        |
| 35                            | 17.50-18.00 | Towed by Poonton for Pipeline Movement Sec. 3 (108/1200 ml)      |                               |             |  |

| Day 2-3 (19-20 December 2020) |             |  | Day 2-3 (19-20 December 2020) |             |  |
|-------------------------------|-------------|--|-------------------------------|-------------|--|
| SHIFT 1                       |             |  | SHIFT 2                       |             |  |
| NO                            | JAM         | ITEM PEKERJAAN   | NO                            | JAM         | ITEM PEKERJAAN   |
| 1                             | 06.00-06.15 | Permit Preparation   | 1                             | 18.00-18.15 | Permit Preparation   |
| 2                             | 06.15-06.30 | Toolbox Meeting  | 2                             | 18.15-18.30 | Toolbox Meeting  |
| 3                             | 06.30-06.45 | Lifting Gear, Power & Hand Tools Preparation                       | 3                             | 18.30-18.40 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P11)     |
| 4                             | 06.45-06.55 | Lifting the Triple Joint Pipeline to Roller Ø6 Inch (P8)           | 4                             | 18.40-18.50 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P20&P21) |
| 5                             | 06.55-07.05 | Lifting the Triple Joint Pipeline to Roller Ø2 Inch (P14&P15)      | 5                             | 18.50-19.05 | Bevelling & Fit-up Ø6 Inch (P10&P11)                               |
| 6                             | 07.05-07.20 | Bevelling & Fit-up Ø6 Inch (P7&P8)                                 | 6                             | 18.50-19.05 | Bevelling & Fit-up Ø2 Inch (P19,P20&P21)                           |
| 7                             | 07.05-07.20 | Bevelling & Fit-up Ø2 Inch (P13,P14,&P15)                          | 7                             | 19.05-20.35 | Welding Joint Ø6 Inch (P10&P11)                                    |
| 8                             | 07.20-08.50 | Welding Joint Ø6 Inch (P7&P8)                                      | 8                             | 19.05-20.05 | Welding Joint Ø2 Inch (P19,P20&P21)                                |
| 9                             | 07.20-08.20 | Welding Joint Ø2 Inch (P13,P14,&P15)                               | 9                             | 20.35-21.15 | NDT  |
| 10                            | 08.50-09.30 | NDT  | 10                            | 21.15-21.30 | Coating (P11 Ø6 Inch) & (P20&P21 Ø2 Inch)                          |
| 11                            | 09.30-09.45 | Coating (P8 Ø6 Inch) & (P14&P15 Ø2 Inch)                           | 11                            | 21.30-21.45 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 12                            | 09.45-10.00 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     | 12                            | 21.45-21.55 | Towed by Poonton for Pipeline Movement Sec. 10 (360/1200 ml)       |
| 13                            | 10.00-10.10 | Towed by Poonton for Pipeline Movement Sec. 7 (252/1200 ml)        | 13                            | 21.55-22.05 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P12)     |
| 14                            | 10.10-10.20 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P9)      | 14                            | 22.05-22.15 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P22&P23) |
| 15                            | 10.20-10.30 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P16&P17) | 15                            | 22.15-22.30 | Bevelling & Fit-up Ø6 Inch (P11&P12)                               |
| 16                            | 10.30-10.45 | Bevelling & Fit-up Ø6 Inch (P8&P9)                                 | 16                            | 22.15-22.30 | Bevelling & Fit-up Ø2 Inch (P21,P22&P23)                           |
| 17                            | 10.30-10.45 | Bevelling & Fit-up Ø2 Inch (P15,P16&P17)                           | 17                            | 22.30-00.00 | Welding Joint Ø6 Inch (P11&P12)                                    |
| 18                            | 10.45-12.00 | Welding Joint Ø6 Inch (P8&P9)                                      | 18                            | 22.30-23.30 | Welding Joint Ø2 Inch (P21,P22&P23)                                |
| 19                            | 10.45-11.45 | Welding Joint Ø2 Inch (P15,P16&P17)                                | 19                            | 00.00-01.00 | Istirahat Shift 2  |
| 20                            | 12.00-13.00 | Istirahat Shift 1  | 20                            | 01.00-01.40 | NDT  |
| 21                            | 13.00-13.15 | Continue Welding Joint Ø6 Inch (P8&P9)                             | 21                            | 01.40-01.55 | Coating (P12 Ø6 Inch) & (P22&P23 Ø2 Inch)                          |
| 22                            | 13.15-13.55 | NDT  | 22                            | 01.55-02.10 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 23                            | 13.55-14.10 | Coating (P9 Ø6 Inch) & (P16&P17 Ø2 Inch)                           | 23                            | 02.10-02.20 | Towed by Poonton for Pipeline Movement Sec. 11 (396/1200 ml)       |
| 24                            | 14.10-14.25 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     | 24                            | 02.20-02.30 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P13)     |
| 25                            | 14.25-14.35 | Towed by Poonton for Pipeline Movement Sec. 8 (288/1200 ml)        | 25                            | 02.30-02.40 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P24&P25) |
| 26                            | 14.35-14.45 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P10)     | 26                            | 02.40-02.55 | Bevelling & Fit-up Ø6 Inch (P12&P13)                               |
| 27                            | 14.45-14.55 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P18&P19) | 27                            | 02.40-02.55 | Bevelling & Fit-up Ø2 Inch (P23,P24&P25)                           |
| 28                            | 14.55-15.10 | Bevelling & Fit-up Ø6 Inch (P9&P10)                                | 28                            | 02.55-04.25 | Welding Joint Ø6 Inch (P12&P13)                                    |
| 29                            | 14.55-15.10 | Bevelling & Fit-up Ø2 Inch (P17,P18&P19)                           | 29                            | 02.55-03.55 | Welding Joint Ø2 Inch (P23,P24&P25)                                |
| 30                            | 15.10-16.40 | Welding Joint Ø6 Inch (P9&P10)                                     | 30                            | 04.25-05.05 | NDT  |
| 31                            | 15.10-16.10 | Welding Joint Ø2 Inch (P17,P18&P19)                                | 31                            | 05.05-05.20 | Coating (P13 Ø6 Inch) & (P24&P25 Ø2 Inch)                          |
| 32                            | 16.40-17.20 | NDT  | 32                            | 05.20-05.35 | Install the Parallel Cable Anode Sec. 2 (438/1200 ml)              |
| 33                            | 17.20-17.35 | Coating (P10 Ø6 Inch) & (P18&P19 Ø2 Inch)                          | 33                            | 05.35-05.50 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 34                            | 17.35-17.50 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     | 34                            | 05.50-06.00 | Towed by Poonton for Pipeline Movement Sec. 12 (432/1200 ml)       |
| 35                            | 17.50-18.00 | Towed by Poonton for Pipeline Movement Sec. 9 (324/1200 ml)        |                               |             |  |

| Day 3-4 (20-21 December 2020) |             |  | Day 3-4 (20-21 December 2020) |             |  |
|-------------------------------|-------------|--|-------------------------------|-------------|--|
| SHIFT 1                       |             |  | SHIFT 2                       |             |  |
| NO                            | JAM         | ITEM PEKERJAAN   | NO                            | JAM         | ITEM PEKERJAAN   |
| 1                             | 06.00-06.15 | Permit Preparation   | 1                             | 18.00-18.15 | Permit Preparation   |
| 2                             | 06.15-06.30 | Toolbox Meeting  | 2                             | 18.15-18.30 | Toolbox Meeting  |
| 3                             | 06.30-06.45 | Lifting Gear, Power & Hand Tools Preparation                       | 3                             | 18.30-18.40 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P17)     |
| 4                             | 06.45-06.55 | Lifting the Triple Joint Pipeline to Roller Ø6 Inch (P14)          | 4                             | 18.40-18.50 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P32&P33) |
| 5                             | 06.55-07.05 | Lifting the Triple Joint Pipeline to Roller Ø2 Inch (P26&P27)      | 5                             | 18.50-19.05 | Bevelling & Fit-up Ø6 Inch (P16&P17)                               |
| 6                             | 07.05-07.20 | Bevelling & Fit-up Ø6 Inch (P13&P14)                               | 6                             | 18.50-19.05 | Bevelling & Fit-up Ø2 Inch (P31,P32&P33)                           |
| 7                             | 07.05-07.20 | Bevelling & Fit-up Ø2 Inch (P25,P26,&P27)                          | 7                             | 19.05-20.35 | Welding Joint Ø6 Inch (P16&P17)                                    |
| 8                             | 07.20-08.50 | Welding Joint Ø6 Inch (P13&P14)                                    | 8                             | 19.05-20.05 | Welding Joint Ø2 Inch (P31,P32&P33)                                |
| 9                             | 07.20-08.20 | Welding Joint Ø2 Inch (P25,P26,&P27)                               | 9                             | 20.35-21.15 | NDT  |
| 10                            | 08.50-09.30 | NDT  | 10                            | 21.15-21.30 | Coating (P17 Ø6 Inch) & (P32&P33 Ø2 Inch)                          |
| 11                            | 09.30-09.45 | Coating (P14 & P2 Ø6 Inch) & (P26&P27 Ø2 Inch)                     | 11                            | 21.30-21.45 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 12                            | 09.45-10.00 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     | 12                            | 21.45-21.55 | Towed by Poonton for Pipeline Movement Sec. 16 (576/1200 ml)       |
| 13                            | 10.00-10.10 | Towed by Poonton for Pipeline Movement Sec. 13 (468/1200 ml)       | 13                            | 21.55-22.05 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P18)     |
| 14                            | 10.10-10.20 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P15)     | 14                            | 22.05-22.15 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P34&P35) |
| 15                            | 10.20-10.30 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P28&P29) | 15                            | 22.15-22.30 | Bevelling & Fit-up Ø6 Inch (P17&P18)                               |
| 16                            | 10.30-10.45 | Bevelling & Fit-up Ø6 Inch (P14&P15)                               | 16                            | 22.15-22.30 | Bevelling & Fit-up Ø2 Inch (P33,P34&P35)                           |
| 17                            | 10.30-10.45 | Bevelling & Fit-up Ø2 Inch (P27,P28&P29)                           | 17                            | 22.30-00.00 | Welding Joint Ø6 Inch (P17&P18)                                    |
| 18                            | 10.45-12.00 | Welding Joint Ø6 Inch (P14&P15)                                    | 18                            | 22.30-23.30 | Welding Joint Ø2 Inch (P33,P34&P35)                                |
| 19                            | 10.45-11.45 | Welding Joint Ø2 Inch (P27,P28&P29)                                | 19                            | 00.00-01.00 | Istirahat Shift 2  |
| 20                            | 12.00-13.00 | Istirahat Shift 1  | 20                            | 01.00-01.40 | NDT  |
| 21                            | 13.00-13.15 | Continue Welding Joint Ø6 Inch (P14&P15)                           | 21                            | 01.40-01.55 | Coating (P18 Ø6 Inch) & (P34&P35 Ø2 Inch)                          |
| 22                            | 13.15-13.55 | NDT  | 22                            | 01.55-02.10 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 23                            | 13.55-14.10 | Coating (P15 Ø6 Inch) & (P28&P29 Ø2 Inch)                          | 23                            | 02.10-02.20 | Towed by Poonton for Pipeline Movement Sec. 17 (612/1200 ml)       |
| 24                            | 14.10-14.25 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     | 24                            | 02.20-02.30 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P19)     |
| 25                            | 14.25-14.35 | Towed by Poonton for Pipeline Movement Sec. 14 (504/1200 ml)       | 25                            | 02.30-02.40 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P36&P37) |
| 26                            | 14.35-14.45 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P16)     | 26                            | 02.40-02.55 | Bevelling & Fit-up Ø6 Inch (P18&P19)                               |
| 27                            | 14.45-14.55 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P30&P31) | 27                            | 02.40-02.55 | Bevelling & Fit-up Ø2 Inch (P35,P36&P37)                           |
| 28                            | 14.55-15.10 | Bevelling & Fit-up Ø6 Inch (P15&P16)                               | 28                            | 02.55-04.25 | Welding Joint Ø6 Inch (P18&P19)                                    |
| 29                            | 14.55-15.10 | Bevelling & Fit-up Ø2 Inch (P29,P30&P31)                           | 29                            | 02.55-03.55 | Welding Joint Ø2 Inch (P35,P36&P37)                                |
| 30                            | 15.10-16.40 | Welding Joint Ø6 Inch (P15&P16)                                    | 30                            | 04.25-05.05 | NDT  |
| 31                            | 15.10-16.10 | Welding Joint Ø2 Inch (P29,P30&P31)                                | 31                            | 05.05-05.20 | Coating (P19 Ø6 Inch) & (P36&P37 Ø2 Inch)                          |
| 32                            | 16.40-17.20 | NDT  | 32                            | 05.20-05.35 | Install the Parallel Cable Anode Sec. 3 (657/1200 ml)              |
| 33                            | 17.20-17.35 | Coating (P16 Ø6 Inch) & (P30&P31 Ø2 Inch)                          | 33                            | 05.35-05.50 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 34                            | 17.35-17.50 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     | 34                            | 05.50-06.00 | Towed by Poonton for Pipeline Movement Sec. 18 (648/1200 ml)       |
| 35                            | 17.50-18.00 | Towed by Poonton for Pipeline Movement Sec. 15 (540/1200 ml)       |                               |             |  |

| Day 4-5 (21-22 December 2020) |             |  | Day 4-5 (21-22 December 2020) |             |  |
|-------------------------------|-------------|--|-------------------------------|-------------|--|
| SHIFT 1                       |             |  | SHIFT 2                       |             |  |
| NO                            | JAM         | ITEM PEKERJAAN   | NO                            | JAM         | ITEM PEKERJAAN   |
| 1                             | 06.00-06.15 | Permit Preparation   | 1                             | 18.00-18.15 | Permit Preparation   |
| 2                             | 06.15-06.30 | Toolbox Meeting  | 2                             | 18.15-18.30 | Toolbox Meeting  |
| 3                             | 06.30-06.45 | Lifting Gear, Power & Hand Tools Preparation                       | 3                             | 18.30-18.40 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P23)     |
| 4                             | 06.45-06.55 | Lifting the Triple Joint Pipeline to Roller Ø6 Inch (P20)          | 4                             | 18.40-18.50 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P44&P45) |
| 5                             | 06.55-07.05 | Lifting the Triple Joint Pipeline to Roller Ø2 Inch (P38&P39)      | 5                             | 18.50-19.05 | Bevelling & Fit-up Ø6 Inch (P22&P23)                               |
| 6                             | 07.05-07.20 | Bevelling & Fit-up Ø6 Inch (P19&P20)                               | 6                             | 18.50-19.05 | Bevelling & Fit-up Ø2 Inch (P43,P44&P45)                           |
| 7                             | 07.05-07.20 | Bevelling & Fit-up Ø2 Inch (P37,P38,&P39)                          | 7                             | 19.05-20.35 | Welding Joint Ø6 Inch (P22&P23)                                    |
| 8                             | 07.20-08.50 | Welding Joint Ø6 Inch (P19&P20)                                    | 8                             | 19.05-20.05 | Welding Joint Ø2 Inch (P43,P44&P45)                                |
| 9                             | 07.20-08.20 | Welding Joint Ø2 Inch (P37,P38,&P39)                               | 9                             | 20.35-21.15 | NDT  |
| 10                            | 08.50-09.30 | NDT  | 10                            | 21.15-21.30 | Coating (P23 Ø6 Inch) & (P44&P45 Ø2 Inch)                          |
| 11                            | 09.30-09.45 | Coating (P20 Ø6 Inch) & (P38&P39 Ø2 Inch)                          | 11                            | 21.30-21.45 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 12                            | 09.45-10.00 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     | 12                            | 21.45-21.55 | Towed by Poonton for Pipeline Movement Sec. 22 (792/1200 ml)       |
| 13                            | 10.00-10.10 | Towed by Poonton for Pipeline Movement Sec. 19 (684/1200 ml)       | 13                            | 21.55-22.05 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P24)     |
| 14                            | 10.10-10.20 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P21)     | 14                            | 22.05-22.15 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P46&P47) |
| 15                            | 10.20-10.30 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P40&P41) | 15                            | 22.15-22.30 | Bevelling & Fit-up Ø6 Inch (P23&P24)                               |
| 16                            | 10.30-10.45 | Bevelling & Fit-up Ø6 Inch (P20&P21)                               | 16                            | 22.15-22.30 | Bevelling & Fit-up Ø2 Inch (P45,P46&P47)                           |
| 17                            | 10.30-10.45 | Bevelling & Fit-up Ø2 Inch (P39,P40&P41)                           | 17                            | 22.30-00.00 | Welding Joint Ø6 Inch (P23&P24)                                    |
| 18                            | 10.45-12.00 | Welding Joint Ø6 Inch (P20&P21)                                    | 18                            | 22.30-23.30 | Welding Joint Ø2 Inch (P45,P46&P47)                                |
| 19                            | 10.45-11.45 | Welding Joint Ø2 Inch (P39,P40&P41)                                | 19                            | 00.00-01.00 | Istirahat Shift 2  |
| 20                            | 12.00-13.00 | Istirahat Shift 1  | 20                            | 01.00-01.40 | NDT  |
| 21                            | 13.00-13.15 | Continue Welding Joint Ø6 Inch (P20&P21)                           | 21                            | 01.40-01.55 | Coating (P24 Ø6 Inch) & (P46&P47 Ø2 Inch)                          |
| 22                            | 13.15-13.55 | NDT  | 22                            | 01.55-02.10 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 23                            | 13.55-14.10 | Coating (P21 Ø6 Inch) & (P40&P41 Ø2 Inch)                          | 23                            | 02.10-02.20 | Towed by Poonton for Pipeline Movement Sec. 23 (828/1200 ml)       |
| 24                            | 14.10-14.25 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     | 24                            | 02.20-02.30 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P25)     |
| 25                            | 14.25-14.35 | Towed by Poonton for Pipeline Movement Sec. 20 (720/1200 ml)       | 25                            | 02.30-02.40 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P48&P49) |
| 26                            | 14.35-14.45 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P22)     | 26                            | 02.40-02.55 | Bevelling & Fit-up Ø6 Inch (P24&P25)                               |
| 27                            | 14.45-14.55 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P42&P43) | 27                            | 02.40-02.55 | Bevelling & Fit-up Ø2 Inch (P47,P48&P49)                           |
| 28                            | 14.55-15.10 | Bevelling & Fit-up Ø6 Inch (P21&P22)                               | 28                            | 02.55-04.25 | Welding Joint Ø6 Inch (P24&P25)                                    |
| 29                            | 14.55-15.10 | Bevelling & Fit-up Ø2 Inch (P41,P42&P43)                           | 29                            | 02.55-03.55 | Welding Joint Ø2 Inch (P47,P48&P49)                                |
| 30                            | 15.10-16.40 | Welding Joint Ø6 Inch (P21&P22)                                    | 30                            | 04.25-05.05 | NDT  |
| 31                            | 15.10-16.10 | Welding Joint Ø2 Inch (P41,P42&P43)                                | 31                            | 05.05-05.20 | Coating (P25 Ø6 Inch) & (P48&P49 Ø2 Inch)                          |
| 32                            | 16.40-17.20 | NDT  | 32                            | 05.20-05.35 | Install the Parallel Cable Anode Sec. 4 (876/1200 ml)              |
| 33                            | 17.20-17.35 | Coating (P22 Ø6 Inch) & (P42&P43 Ø2 Inch)                          | 33                            | 05.35-05.50 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 34                            | 17.35-17.50 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     | 34                            | 05.50-06.00 | Towed by Poonton for Pipeline Movement Sec. 24 (864/1200 ml)       |
| 35                            | 17.50-18.00 | Towed by Poonton for Pipeline Movement Sec. 21 (756/1200 ml)       |                               |             |  |

| Day 5-6 (22-23 December 2020) |             |  | Day 5-6 (22-23 December 2020) |             |  |
|-------------------------------|-------------|--|-------------------------------|-------------|--|
| SHIFT 1                       |             |  | SHIFT 2                       |             |  |
| NO                            | JAM         | ITEM PEKERJAAN   | NO                            | JAM         | ITEM PEKERJAAN   |
| 1                             | 06.00-06.15 | Permit Preparation   | 1                             | 18.00-18.15 | Permit Preparation   |
| 2                             | 06.15-06.30 | Toolbox Meeting  | 2                             | 18.15-18.30 | Toolbox Meeting  |
| 3                             | 06.30-06.45 | Lifting Gear, Power & Hand Tools Preparation                       | 3                             | 18.30-18.40 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P29)     |
| 4                             | 06.45-06.55 | Lifting the Triple Joint Pipeline to Roller Ø6 Inch (P26)          | 4                             | 18.40-18.50 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P56&P57) |
| 5                             | 06.55-07.05 | Lifting the Triple Joint Pipeline to Roller Ø2 Inch (P50&P51)      | 5                             | 18.50-19.05 | Bevelling & Fit-up Ø6 Inch (P28&P29)                               |
| 6                             | 07.05-07.20 | Bevelling & Fit-up Ø6 Inch (P25&P26)                               | 6                             | 18.50-19.05 | Bevelling & Fit-up Ø2 Inch (P55, P56&P57)                          |
| 7                             | 07.05-07.20 | Bevelling & Fit-up Ø2 Inch (P49, P50, & P51)                       | 7                             | 19.05-20.35 | Welding Joint Ø6 Inch (P28&P29)                                    |
| 8                             | 07.20-08.50 | Welding Joint Ø6 Inch (P25&P26)                                    | 8                             | 19.05-20.05 | Welding Joint Ø2 Inch (P55, P56&P57)                               |
| 9                             | 07.20-08.20 | Welding Joint Ø2 Inch (P49, P50, & P51)                            | 9                             | 20.35-21.15 | NDT  |
| 10                            | 08.50-09.30 | NDT  | 10                            | 21.15-21.30 | Coating (P29 Ø6 Inch) & (P56&P57 Ø2 Inch)                          |
| 11                            | 09.30-09.45 | Coating (P26 & P2 Ø6 Inch) & (P50&P51 Ø2 Inch)                     | 11                            | 21.30-21.45 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 12                            | 09.45-10.00 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     | 12                            | 21.45-21.55 | Towed by Poonton for Pipeline Movement Sec. 28 (1008/1200 ml)      |
| 13                            | 10.00-10.10 | Towed by Poonton for Pipeline Movement Sec. 25 (900/1200 ml)       | 13                            | 21.55-22.05 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P30)     |
| 14                            | 10.10-10.20 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P27)     | 14                            | 22.05-22.15 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P58&P59) |
| 15                            | 10.20-10.30 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P52&P53) | 15                            | 22.15-22.30 | Bevelling & Fit-up Ø6 Inch (P29&P30)                               |
| 16                            | 10.30-10.45 | Bevelling & Fit-up Ø6 Inch (P26&P27)                               | 16                            | 22.15-22.30 | Bevelling & Fit-up Ø2 Inch (P57, P58&P59)                          |
| 17                            | 10.30-10.45 | Bevelling & Fit-up Ø2 Inch (P51, P52&P53)                          | 17                            | 22.30-00.00 | Welding Joint Ø6 Inch (P29&P30)                                    |
| 18                            | 10.45-12.00 | Welding Joint Ø6 Inch (P26&P27)                                    | 18                            | 22.30-23.30 | Welding Joint Ø2 Inch (P57, P58&P59)                               |
| 19                            | 10.45-11.45 | Welding Joint Ø2 Inch (P51, P52&P53)                               | 19                            | 00.00-01.00 | Istirahat Shift 2  |
| 20                            | 12.00-13.00 | Istirahat Shift 1  | 20                            | 01.00-01.40 | NDT  |
| 21                            | 13.00-13.15 | Continue Welding Joint Ø6 Inch (P26&P27)                           | 21                            | 01.40-01.55 | Coating (P30 Ø6 Inch) & (P58&P59 Ø2 Inch)                          |
| 22                            | 13.15-13.55 | NDT  | 22                            | 01.55-02.10 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 23                            | 13.55-14.10 | Coating (P27 Ø6 Inch) & (P52&P53 Ø2 Inch)                          | 23                            | 02.10-02.20 | Towed by Poonton for Pipeline Movement Sec. 29 (1044/1200 ml)      |
| 24                            | 14.10-14.25 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     | 24                            | 02.20-02.30 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P31)     |
| 25                            | 14.25-14.35 | Towed by Poonton for Pipeline Movement Sec. 26 (936/1200 ml)       | 25                            | 02.30-02.40 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P60&P61) |
| 26                            | 14.35-14.45 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P28)     | 26                            | 02.40-02.55 | Bevelling & Fit-up Ø6 Inch (P30&P31)                               |
| 27                            | 14.45-14.55 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P54&P55) | 27                            | 02.40-02.55 | Bevelling & Fit-up Ø2 Inch (P59, P60&P61)                          |
| 28                            | 14.55-15.10 | Bevelling & Fit-up Ø6 Inch (P27&P28)                               | 28                            | 02.55-04.25 | Welding Joint Ø6 Inch (P30&P31)                                    |
| 29                            | 14.55-15.10 | Bevelling & Fit-up Ø2 Inch (P53, P54&P55)                          | 29                            | 02.55-03.55 | Welding Joint Ø2 Inch (P59, P60&P61)                               |
| 30                            | 15.10-16.40 | Welding Joint Ø6 Inch (P27&P28)                                    | 30                            | 04.25-05.05 | NDT  |
| 31                            | 15.10-16.10 | Welding Joint Ø2 Inch (P53, P54&P55)                               | 31                            | 05.05-05.20 | Coating (P31 Ø6 Inch) & (P60&P61 Ø2 Inch)                          |
| 32                            | 16.40-17.20 | NDT  | 32                            | 05.20-05.35 | Install the Parallel Cable Anode Sec. 5 (1095/1200 ml)             |
| 33                            | 17.20-17.35 | Coating (P28 Ø6 Inch) & (P54&P55 Ø2 Inch)                          | 33                            | 05.35-05.50 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |
| 34                            | 17.35-17.50 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     | 34                            | 05.50-06.00 | Towed by Poonton for Pipeline Movement Sec. 30 (1080/1200 ml)      |
| 35                            | 17.50-18.00 | Towed by Poonton for Pipeline Movement Sec. 27 (972/1200 ml)       |                               |             |  |

| Day 6 (23 December 2020) |             |  | Day 6 (23 December 2020) |             |  |
|--------------------------|-------------|--|--------------------------|-------------|--|
| SHIFT 1                  |             |  | SHIFT 2                  |             |  |
| NO                       | JAM         | ITEM PEKERJAAN   | NO                       | JAM         | ITEM PEKERJAAN   |
| 1                        | 06.00-06.15 | Permit Preparation   | 1                        | 18.00-18.15 | Permit Preparation   |
| 2                        | 06.15-06.30 | Toolbox Meeting  | 2                        | 18.15-18.30 | Toolbox Meeting  |
| 3                        | 06.30-06.45 | Lifting Gear, Power & Hand Tools Preparation                       | 3                        | 18.30-18.45 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch) |
| 4                        | 06.45-06.55 | Lifting the Triple Joint Pipeline to Roller Ø6 Inch (P32)          | 4                        | 18.45-19.00 | Install Deadman/Buoy at the end of Pipeline                    |
| 5                        | 06.55-07.05 | Lifting the Triple Joint Pipeline to Roller Ø2 Inch (P62&P63)      | 5                        | 19.00-19.15 | Towed by Poonton for Pipeline Movement Sec. 33 (1200/1200 ml)  |
| 6                        | 07.05-07.20 | Bevelling & Fit-up Ø6 Inch (P31&P32)                               |                          |             |  |
| 7                        | 07.05-07.20 | Bevelling & Fit-up Ø2 Inch (P61, P62, & P63)                       |                          |             |  |
| 8                        | 07.20-08.50 | Welding Joint Ø6 Inch (P31&P32)                                    |                          |             |  |
| 9                        | 07.20-08.20 | Welding Joint Ø2 Inch (P61, P62, & P63)                            |                          |             |  |
| 10                       | 08.50-09.30 | NDT  |                          |             |  |
| 11                       | 09.30-09.45 | Coating (P32 & P2 Ø6 Inch) & (P62&P63 Ø2 Inch)                     |                          |             |  |
| 12                       | 09.45-10.00 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |                          |             |  |
| 13                       | 10.00-10.10 | Towed by Poonton for Pipeline Movement Sec. 31 (1116/1200 ml)      |                          |             |  |
| 14                       | 10.10-10.20 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P33)     |                          |             |  |
| 15                       | 10.20-10.30 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P64&P65) |                          |             |  |
| 16                       | 10.30-10.45 | Bevelling & Fit-up Ø6 Inch (P32&P33)                               |                          |             |  |
| 17                       | 10.30-10.45 | Bevelling & Fit-up Ø2 Inch (P63, P64&P65)                          |                          |             |  |
| 18                       | 10.45-12.00 | Welding Joint Ø6 Inch (P32&P33)                                    |                          |             |  |
| 19                       | 10.45-11.45 | Welding Joint Ø2 Inch (P63, P64&P65)                               |                          |             |  |
| 20                       | 12.00-13.00 | Istirahat Shift 1  |                          |             |  |
| 21                       | 13.00-13.15 | Continue Welding Joint Ø6 Inch (P32&P33)                           |                          |             |  |
| 22                       | 13.15-13.55 | NDT  |                          |             |  |
| 23                       | 13.55-14.10 | Coating (P33 Ø6 Inch) & (P64&P65 Ø2 Inch)                          |                          |             |  |
| 24                       | 14.10-14.25 | Double Plate Install & Welding Pipeline on (Ø2 Inch & Ø6 Inch)     |                          |             |  |
| 25                       | 14.25-14.35 | Towed by Poonton for Pipeline Movement Sec. 32 (1152/1200 ml)      |                          |             |  |
| 26                       | 14.35-14.45 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P34)     |                          |             |  |
| 27                       | 14.45-14.55 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P66&P67) |                          |             |  |
| 28                       | 14.55-15.10 | Cut the Remaining Pipeline Ø6 Inch (P34) be 12 m                   |                          |             |  |
| 29                       | 15.10-15.20 | Cut the Remaining Pipeline Ø2 Inch (P67) be 12 m                   |                          |             |  |
| 30                       | 15.20-15.35 | Bevelling & Fit-up Ø6 Inch (P33&P34)                               |                          |             |  |
| 31                       | 15.20-15.35 | Bevelling & Fit-up Ø2 Inch (P65, P66&P67 12 m)                     |                          |             |  |
| 32                       | 15.35-17.05 | Welding Joint Ø6 Inch (P33&P34 12 m)                               |                          |             |  |
| 33                       | 15.35-16.35 | Welding Joint Ø2 Inch (P65, P66&P67 12 m)                          |                          |             |  |
| 34                       | 17.05-17.45 | NDT  |                          |             |  |
| 35                       | 17.45-18.00 | Coating (P34 Ø6 Inch) & (P66&P67 Ø2 Inch)                          |                          |             |  |

## Lampiran 2 Tabel Sequencing Push Pull Work

| Day 1-2 (23-24 December 2020) |             |   | Day 1-2 (23-24 December 2020) |             |   |
|-------------------------------|-------------|---|-------------------------------|-------------|---|
| SHIFT 1                       |             |   | SHIFT 2                       |             |   |
| NO                            | JAM         | ITEM PEKERJAAN  | NO                            | JAM         | ITEM PEKERJAAN  |
| 1                             | 06.00-06.15 | Permit Preparation  | 1                             | 18.00-18.15 | Permit Preparation  |
| 2                             | 06.15-06.30 | Toolbox Meeting   | 2                             | 18.15-18.30 | Toolbox Meeting   |
| 3                             | 06.30-06.45 | Lifting Gear, Power & Hand Tools Preparation                              | 3                             | 18.30-18.40 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline          |
| 4                             | 06.45-06.55 | Lifting the Triple Joint Pipeline to Roller Ø6 Inch (P1)                  | 4                             | 18.40-18.50 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P4)             |
| 5                             | 06.55-07.05 | Lifting the Triple Joint Pipeline to Roller Ø2 Inch (P1)                  | 5                             | 18.50-19.00 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P6 & P7)        |
| 6                             | 07.05-08.40 | Weld the Pulling Head with Pad Eye at the end side of Pipeline            | 6                             | 19.00-19.15 | Bevelling & Fit-up Ø6 Inch (P3 & P4)                                      |
| 7                             | 08.40-09.20 | NDT   | 7                             | 19.00-19.15 | Bevelling & Fit-up Ø2 Inch (P5, P6 & P7)                                  |
| 8                             | 09.20-09.25 | Attach Pulling Wire to the Pad Eye of Pulling Head                        | 8                             | 19.15-20.45 | Welding Joint Ø6 Inch (P3 & P4)   |
| 9                             | 09.25-09.30 | Connect to Pad Eye of Swamp Backhoe                                       | 9                             | 19.15-20.15 | Welding Joint Ø2 Inch (P5, P6 & P7)                                       |
| 10                            | 09.30-09.40 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P2)             | 10                            | 20.45-21.25 | NDT   |
| 11                            | 09.40-09.50 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P2 & P3)        | 11                            | 21.25-21.40 | Coating (P4 Ø6 Inch) & (P6 & P7 Ø2 Inch)                                  |
| 12                            | 09.50-10.05 | Bevelling & Fit-up Ø6 Inch (P1 & P2)                                      | 12                            | 21.40-21.50 | Install the Pushing Wire at the end of (P4) Triple Joint Pipeline Ø6 Inch |
| 13                            | 09.50-10.05 | Bevelling & Fit-up Ø2 Inch (P1, P2 & P3)                                  | 13                            | 21.50-22.10 | Install the Floating Drum   |
| 14                            | 10.05-11.35 | Welding Joint Ø6 Inch (P1 & P2)   | 14                            | 22.10-22.20 | Push by Using Winch for Pipeline Movement Sec. 3 (108/1200 ml)            |
| 15                            | 10.05-11.05 | Welding Joint Ø2 Inch (P1, P2 & P3)                                       | 15                            | 22.20-22.30 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline          |
| 16                            | 11.35-12.00 | NDT   | 16                            | 22.30-22.40 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P5)             |
| 17                            | 12.00-13.00 | Istirahat Shift 1   | 17                            | 22.40-22.50 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P8 & P9)        |
| 18                            | 13.00-13.15 | Continue NDT  | 18                            | 22.50-23.05 | Bevelling & Fit-up Ø6 Inch (P4 & P5)                                      |
| 19                            | 13.15-13.30 | Coating (P1 & P2 Ø6 Inch) & (P1,P2&P3 Ø2 Inch)                            | 19                            | 22.50-23.05 | Bevelling & Fit-up Ø2 Inch (P7, P8 & P9)                                  |
| 20                            | 13.30-13.40 | Install Pushing Wire at the end of (P2) Triple Joint Pipeline Ø6 Inch     | 20                            | 23.05-00.00 | Welding Joint Ø6 Inch (P4 & P5)   |
| 21                            | 13.40-14.00 | Install the Floating Drum   | 21                            | 23.05-00.00 | Welding Joint Ø2 Inch (P7, P8 & P9)                                       |
| 22                            | 14.00-14.10 | Push by Using Winch for Pipeline Movement Sec. 1 (36/1200 ml)             | 22                            | 00.00-01.00 | Istirahat Shift 2   |
| 23                            | 14.10-14.20 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline          | 23                            | 01.00-01.35 | Continue Welding Joint Ø6 Inch (P4 & P5)                                  |
| 24                            | 14.20-14.30 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P3)             | 24                            | 01.00-01.05 | Continue Welding Joint Ø2 Inch (P7, P8 & P9)                              |
| 25                            | 14.30-14.40 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P4 & P5)        | 25                            | 01.35-02.15 | NDT   |
| 26                            | 14.40-14.55 | Bevelling & Fit-up Ø6 Inch (P2 & P3)                                      | 26                            | 02.15-02.30 | Coating (P5 Ø6 Inch) & (P8 & P9 Ø2 Inch)                                  |
| 27                            | 14.40-14.55 | Bevelling & Fit-up Ø2 Inch (P3, P4 & P5)                                  | 27                            | 02.30-02.40 | Install the Pushing Wire at the end of (P5) Triple Joint Pipeline Ø6 Inch |
| 28                            | 14.55-16.25 | Welding Joint Ø6 Inch (P2 & P3)   | 28                            | 02.40-03.00 | Install the Floating Drum   |
| 29                            | 14.55-15.55 | Welding Joint Ø2 Inch (P3, P4 & P5)                                       | 29                            | 03.00-03.10 | Push by Using Winch for Pipeline Movement Sec. 4 (144/1200 ml)            |
| 30                            | 16.25-17.05 | NDT   | 30                            | 03.10-03.20 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline          |
| 31                            | 17.05-17.20 | Coating (P3 Ø6 Inch) & (P4 & P5 Ø2 Inch)                                  | 31                            | 03.20-03.30 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P6)             |
| 32                            | 17.20-17.30 | Install the Pushing Wire at the end of (P3) Triple Joint Pipeline Ø6 Inch | 32                            | 03.30-03.40 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P10 & P11)      |
| 33                            | 17.30-17.50 | Install the Floating Drum   | 33                            | 03.40-03.55 | Bevelling & Fit-up Ø6 Inch (P5 & P6)                                      |
| 34                            | 17.50-18.00 | Push by Using Winch for Pipeline Movement Sec. 2 (72/1200 ml)             | 34                            | 03.40-03.55 | Bevelling & Fit-up Ø2 Inch (P9, P10 & P11)                                |
|                               |             |   | 35                            | 03.55-05.25 | Welding Joint Ø6 Inch (P5 & P6)   |
|                               |             |   | 36                            | 03.55-04.55 | Welding Joint Ø2 Inch (P9, P10 & P11)                                     |
|                               |             |   | 37                            | 05.25-06.00 | NDT   |

  

| Day 2-3 (24-25 December 2020) |             |   | Day 2-3 (24-25 December 2020) |             |  |
|-------------------------------|-------------|---|-------------------------------|-------------|--|
| SHIFT 1                       |             |   | SHIFT 2                       |             |  |
| NO                            | JAM         | ITEM PEKERJAAN  | NO                            | JAM         | ITEM PEKERJAAN   |
| 1                             | 06.00-06.15 | Permit Preparation  | 1                             | 18.00-18.15 | Permit Preparation   |
| 2                             | 06.15-06.30 | Toolbox Meeting   | 2                             | 18.15-18.30 | Toolbox Meeting  |
| 3                             | 06.30-06.45 | Lifting Gear, Power & Hand Tools Preparation                              | 3                             | 18.30-19.20 | Continue Welding Joint Ø6 Inch   |
| 4                             | 06.45-07.00 | Coating (P6 Ø6 Inch) & (P10 & P11 Ø2 Inch)                                | 4                             | 18.30-18.50 | Continue Welding Joint Ø2 Inch   |
| 5                             | 07.00-07.10 | Install the Pushing Wire at the end of (P6) Triple Joint Pipeline Ø6 Inch | 5                             | 19.20-20.00 | NDT  |
| 6                             | 07.10-07.30 | Install the Floating Drum   | 6                             | 20.00-20.15 | Coating (P9 Ø6 Inch) & (P16&P17 Ø2 Inch)                                   |
| 7                             | 07.30-07.40 | Push by Using Winch for Pipeline Movement Sec. 5 (180/1200 ml)            | 7                             | 20.15-20.25 | Install the Pushing Wire at the end of (P9) Triple Joint Pipeline Ø6 Inch  |
| 8                             | 07.40-07.50 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline          | 8                             | 20.25-20.45 | Install the Floating Drum  |
| 9                             | 07.50-08.00 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P7)             | 9                             | 20.45-20.55 | Push by Using Winch for Pipeline Movement Sec. 8 (288/1200 ml)             |
| 10                            | 08.00-08.10 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P12 & P13)      | 10                            | 20.55-21.05 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 11                            | 08.10-08.25 | Bevelling & Fit-up Ø6 Inch (P6 & P7)                                      | 11                            | 21.05-21.15 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P10)             |
| 12                            | 08.10-08.25 | Bevelling & Fit-up Ø2 Inch (P11, P12 & P13)                               | 12                            | 21.15-21.25 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P18&P19)         |
| 13                            | 08.25-09.55 | Welding Joint Ø6 Inch (P6 & P7)   | 13                            | 21.25-21.40 | Bevelling & Fit-up Ø6 Inch (P9&P10)  |
| 14                            | 08.25-09.25 | Welding Joint Ø2 Inch (P11, P12 & P13)                                    | 14                            | 21.25-21.40 | Bevelling & Fit-up Ø2 Inch (P17,P18&P19)                                   |
| 15                            | 09.55-10.35 | NDT   | 15                            | 21.40-23.10 | Welding Joint Ø6 Inch (P9&P10)   |
| 16                            | 10.35-10.50 | Coating (P7 Ø6 Inch) & (P12 & P13 Ø2 Inch)                                | 16                            | 21.40-22.40 | Welding Joint Ø2 Inch (P17,P18&P19)  |
| 17                            | 10.50-11.05 | Install the Anode Sec. 1 (219/1200 ml)                                    | 17                            | 23.10-23.50 | NDT  |
| 18                            | 11.05-11.15 | Install the Pushing Wire at the end of (P7) Triple Joint Pipeline Ø6 Inch | 18                            | 23.50-00.00 | Coating (P10 Ø6 Inch) & (P18&P19 Ø2 Inch)                                  |
| 19                            | 11.15-11.35 | Install the Floating Drum   | 19                            | 00.00-01.00 | Istirahat Shift 2  |
| 20                            | 11.35-11.45 | Push by Using Winch for Pipeline Movement Sec. 6 (216/1200 ml)            | 20                            | 01.00-01.05 | Continue Coating (P10 Ø6 Inch) & (P18&P19 Ø2 Inch)                         |
| 21                            | 11.45-11.55 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline          | 21                            | 01.05-01.15 | Install the Pushing Wire at the end of (P10) Triple Joint Pipeline Ø6 Inch |
| 22                            | 11.55-12.00 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P8)             | 22                            | 01.15-01.35 | Install the Floating Drum  |
| 23                            | 12.00-13.00 | Istirahat Shift 2   | 23                            | 01.35-01.45 | Push by Using Winch for Pipeline Movement Sec. 9 (324/1200 ml)             |
| 24                            | 13.00-13.05 | Continue Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P8)    | 24                            | 01.45-01.55 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 25                            | 13.05-13.15 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P14 & P15)      | 25                            | 01.55-02.05 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P11)             |
| 26                            | 13.15-13.30 | Bevelling & Fit-up Ø6 Inch (P7 & P8)                                      | 26                            | 02.05-02.15 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P20&P21)         |
| 27                            | 13.15-13.30 | Bevelling & Fit-up Ø2 Inch (P13, P14 & P15)                               | 27                            | 02.15-02.30 | Bevelling & Fit-up Ø6 Inch (P10&P11)                                       |
| 28                            | 13.30-15.00 | Welding Joint Ø6 Inch (P7 & P8)   | 28                            | 02.15-02.30 | Bevelling & Fit-up Ø2 Inch (P19,P20&P21)                                   |
| 29                            | 13.30-14.30 | Welding Joint Ø2 Inch (P13, P14 & P15)                                    | 29                            | 02.30-04.00 | Welding Joint Ø6 Inch (P10&P11)  |
| 30                            | 15.00-15.40 | NDT   | 30                            | 02.30-03.30 | Welding Joint Ø2 Inch (P19,P20&P21)  |
| 31                            | 15.40-15.55 | Coating (P8 Ø6 Inch) & (P14 & P15 Ø2 Inch)                                | 31                            | 04.00-04.40 | NDT  |
| 32                            | 15.55-16.05 | Install the Pushing Wire at the end of (P8) Triple Joint Pipeline Ø6 Inch | 32                            | 04.40-04.55 | Coating (P11 Ø6 Inch) & (P20&P21 Ø2 Inch)                                  |
| 33                            | 16.05-16.25 | Install the Floating Drum   | 33                            | 04.55-05.05 | Install the Pushing Wire at the end of (P11) Triple Joint Pipeline Ø6 Inch |
| 34                            | 16.25-16.35 | Push by Using Winch for Pipeline Movement Sec. 7 (252/1200 ml)            | 34                            | 05.05-05.25 | Install the Floating Drum  |
| 35                            | 16.35-16.45 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline          | 35                            | 05.25-05.35 | Push by Using Winch for Pipeline Movement Sec. 10 (360/1200 ml)            |
| 36                            | 16.45-16.55 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P9)             | 36                            | 05.35-05.45 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 37                            | 16.55-17.05 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P16 & P17)      | 37                            | 05.45-05.55 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P12)             |
| 38                            | 17.05-17.20 | Bevelling & Fit-up Ø6 Inch (P8 & P9)                                      | 38                            | 05.55-06.00 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P22&P23)         |
| 39                            | 17.05-17.20 | Bevelling & Fit-up Ø2 Inch (P15, P16 & P17)                               |                               |             |  |
| 40                            | 17.20-18.00 | Welding Joint Ø6 Inch (P8 & P9)   |                               |             |  |
| 41                            | 17.20-18.00 | Welding Joint Ø2 Inch (P15, P16 & P17)                                    |                               |             |  |

| Day 3-4 (25-26 December 2020) |             |   | Day 3-4 (25-26 December 2020) |             |  |
|-------------------------------|-------------|---|-------------------------------|-------------|--|
| SHIFT 1                       |             |   | SHIFT 2                       |             |  |
| NO                            | JAM         | ITEM PEKERJAAN  | NO                            | JAM         | ITEM PEKERJAAN   |
| 1                             | 06.00-06.15 | Permit Preparation  | 1                             | 18.00-18.15 | Permit Preparation   |
| 2                             | 06.15-06.30 | Toolbox Meeting   | 2                             | 18.15-18.30 | Toolbox Meeting  |
| 3                             | 06.30-06.45 | Lifting Gear, Power & Hand Tools Preparation                                  | 3                             | 18.30-19.20 | Continue NDT   |
| 4                             | 06.45-06.50 | Continue Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P22 & P23) | 4                             | 19.20-19.35 | Coating (P14 Ø6 Inch) & (P28&P27 Ø2 Inch)                                  |
| 5                             | 06.50-07.05 | Bevelling & Fit-up Ø6 Inch (P11 & P12)  | 5                             | 19.35-19.45 | Install the Pushing Wire at the end of (P14) Triple Joint Pipeline Ø6 Inch |
| 6                             | 06.50-07.05 | Bevelling & Fit-up Ø2 Inch (P21,P22&P23)                                      | 6                             | 19.45-20.05 | Install the Floating Drum  |
| 7                             | 07.05-08.35 | Welding Joint Ø6 Inch (P11 & P12)   | 7                             | 20.05-20.15 | Push by Using Winch for Pipeline Movement Sec. 13 (468/1200 ml)            |
| 8                             | 07.05-08.05 | Welding Joint Ø2 Inch (P21,P22&P23)   | 8                             | 20.15-20.25 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 9                             | 08.35-09.15 | NDT   | 9                             | 20.25-20.35 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P15)             |
| 10                            | 09.15-09.30 | Coating (P12 Ø6 Inch) & (P22 & P23 Ø2 Inch)                                   | 10                            | 20.35-20.45 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P28&P29)         |
| 11                            | 09.30-09.40 | Install the Pushing Wire at the end of (P12) Triple Joint Pipeline Ø6 Inch    | 11                            | 20.45-21.00 | Bevelling & Fit-up Ø6 Inch (P14&P15)                                       |
| 12                            | 09.40-10.00 | Install the Floating Drum   | 12                            | 20.45-21.00 | Bevelling & Fit-up Ø2 Inch (P27,P28&P29)                                   |
| 13                            | 10.00-10.10 | Push by Using Winch for Pipeline Movement Sec. 11 (396/1200 ml)               | 13                            | 21.00-22.30 | Welding Joint Ø6 Inch (P14&P15)  |
| 14                            | 10.10-10.20 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline              | 14                            | 21.00-22.00 | Welding Joint Ø2 Inch (P27,P28&P29)  |
| 15                            | 10.20-10.30 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P13)                | 15                            | 22.30-23.10 | NDT  |
| 16                            | 10.30-10.40 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P24& P25)           | 16                            | 23.10-23.15 | Coating (P15 Ø6 Inch) & (P28&P29 Ø2 Inch)                                  |
| 17                            | 10.40-10.55 | Bevelling & Fit-up Ø6 Inch (P12&P13)  | 17                            | 23.15-23.25 | Install the Pushing Wire at the end of (P15) Triple Joint Pipeline Ø6 Inch |
| 18                            | 10.40-10.55 | Bevelling & Fit-up Ø2 Inch (P23,P24&P25)                                      | 18                            | 23.25-23.45 | Install the Floating Drum  |
| 19                            | 10.55-12.00 | Welding Joint Ø6 Inch (P12&P13)   | 19                            | 23.45-23.55 | Push by Using Winch for Pipeline Movement Sec. 14 (504/1200 ml)            |
| 20                            | 10.55-11.55 | Welding Joint Ø2 Inch (P23,P24&P25)   | 20                            | 23.55-00.00 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 21                            | 12.00-13.00 | Istirahat Shift 1   | 21                            | 00.00-01.00 | Istirahat Shift 2  |
| 22                            | 13.00-13.25 | Continue Welding Joint Ø6 Inch (P12&P13)                                      | 22                            | 01.00-01.05 | Continue Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline  |
| 23                            | 13.25-14.05 | NDT   | 23                            | 01.05-01.15 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P16)             |
| 24                            | 14.05-14.20 | Coating (P13 Ø6 Inch) & (P24&P25 Ø2 Inch)                                     | 24                            | 01.15-01.25 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P30&P31)         |
| 25                            | 14.20-14.35 | Install the Anode Sec. 2 (438/1200 ml)  | 25                            | 01.25-01.40 | Bevelling & Fit-up Ø6 Inch (P15&P16)                                       |
| 26                            | 14.35-14.45 | Install the Pushing Wire at the end of (P13) Triple Joint Pipeline Ø6 Inch    | 26                            | 01.25-01.40 | Bevelling & Fit-up Ø2 Inch (P29,P30&P31)                                   |
| 27                            | 14.45-15.05 | Install the Floating Drum   | 27                            | 01.40-03.10 | Welding Joint Ø6 Inch (P15&P16)  |
| 28                            | 15.05-15.15 | Push by Using Winch for Pipeline Movement Sec. 12 (432/1200 ml)               | 28                            | 01.40-02.40 | Welding Joint Ø2 Inch (P29,P30&P31)  |
| 29                            | 15.15-15.25 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline              | 29                            | 03.10-03.50 | NDT  |
| 30                            | 15.25-15.35 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P14)                | 30                            | 03.50-04.05 | Coating (P16 Ø6 Inch) & (P30&P31 Ø2 Inch)                                  |
| 31                            | 15.35-15.45 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P26&P27)            | 31                            | 04.05-04.15 | Install the Pushing Wire at the end of (P16) Triple Joint Pipeline Ø6 Inch |
| 32                            | 15.45-16.00 | Bevelling & Fit-up Ø6 Inch (P13&P14)  | 32                            | 04.15-04.35 | Install the Floating Drum  |
| 33                            | 15.45-16.00 | Bevelling & Fit-up Ø2 Inch (P25,P26&P27)                                      | 33                            | 04.35-04.45 | Push by Using Winch for Pipeline Movement Sec. 15 (540/1200 ml)            |
| 34                            | 16.00-17.30 | Welding Joint Ø6 Inch (P13&P14)   | 34                            | 04.45-04.55 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 35                            | 16.00-17.00 | Welding Joint Ø2 Inch (P25,P26&P27)   | 35                            | 04.55-05.05 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P17)             |
| 36                            | 17.30-18.00 | NDT   | 36                            | 05.05-05.15 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P32&P33)         |
|                               |             |   | 37                            | 05.15-05.30 | Bevelling & Fit-up Ø6 Inch (P16&P17)                                       |
|                               |             |   | 38                            | 05.15-05.30 | Bevelling & Fit-up Ø2 Inch (P31,P32&P33)                                   |
|                               |             |   | 39                            | 05.30-06.00 | Welding Joint Ø6 Inch (P16&P17)  |
|                               |             |   | 40                            | 05.30-06.00 | Welding Joint Ø2 Inch (P31,P32&P33)  |

| Day 4-5 (26-27 December 2020) |             |  | Day 4-5 (26-27 December 2020) |             |  |
|-------------------------------|-------------|--|-------------------------------|-------------|--|
| SHIFT 1                       |             |  | SHIFT 2                       |             |  |
| NO                            | JAM         | ITEM PEKERJAAN   | NO                            | JAM         | ITEM PEKERJAAN   |
| 1                             | 06.00-06.15 | Permit Preparation   | 1                             | 18.00-18.15 | Permit Preparation   |
| 2                             | 06.15-06.30 | Toolbox Meeting  | 2                             | 18.15-18.30 | Toolbox Meeting  |
| 3                             | 06.30-06.45 | Lifting Gear, Power & Hand Tools Preparation                               | 3                             | 18.30-18.35 | Continue Install the Floating Drum   |
| 4                             | 06.45-07.45 | Welding Joint Ø6 Inch (P16&P17)  | 4                             | 18.35-18.45 | Push by Using Winch for Pipeline Movement Sec. 18 (648/1200 ml)            |
| 5                             | 06.45-07.15 | Welding Joint Ø2 Inch (P31,P32&P33)  | 5                             | 18.45-18.55 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 6                             | 07.45-08.25 | NDT  | 6                             | 18.55-19.05 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P20)             |
| 7                             | 08.25-08.40 | Coating (P17 Ø6 Inch) & (P32&P33 Ø2 Inch)                                  | 7                             | 19.05-19.15 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P38&P39)         |
| 8                             | 08.40-08.50 | Install the Pushing Wire at the end of (P12) Triple Joint Pipeline Ø6 Inch | 8                             | 19.15-19.30 | Bevelling & Fit-up Ø6 Inch (P19&P20)                                       |
| 9                             | 08.50-09.10 | Install the Floating Drum  | 9                             | 19.15-19.30 | Bevelling & Fit-up Ø2 Inch (P37,P38&P39)                                   |
| 10                            | 09.10-09.20 | Push by Using Winch for Pipeline Movement Sec. 16 (576/1200 ml)            | 10                            | 19.30-21.00 | Welding Joint Ø6 Inch (P19&P20)  |
| 11                            | 09.20-09.30 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           | 11                            | 19.30-20.30 | Welding Joint Ø2 Inch (P37,P38&P39)  |
| 12                            | 09.30-09.40 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P18)             | 12                            | 21.00-21.40 | NDT  |
| 13                            | 09.40-09.50 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P34&P35)         | 13                            | 21.40-21.55 | Coating (P20 Ø6 Inch) & (P38&P39 Ø2 Inch)                                  |
| 14                            | 09.50-10.05 | Bevelling & Fit-up Ø6 Inch (P17&P18)                                       | 14                            | 21.55-22.05 | Install the Pushing Wire at the end of (P20) Triple Joint Pipeline Ø6 Inch |
| 15                            | 09.50-10.05 | Bevelling & Fit-up Ø2 Inch (P33,P34&P35)                                   | 15                            | 22.05-22.25 | Install the Floating Drum  |
| 16                            | 10.05-11.35 | Welding Joint Ø6 Inch (P17&P18)  | 16                            | 22.25-22.35 | Push by Using Winch for Pipeline Movement Sec. 19 (684/1200 ml)            |
| 17                            | 10.05-11.05 | Welding Joint Ø2 Inch (P33,P34&P35)  | 17                            | 22.35-22.45 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 18                            | 11.35-12.00 | NDT  | 18                            | 22.45-22.55 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P21)             |
| 19                            | 12.00-13.00 | Istirahat Shift 1  | 19                            | 22.55-23.05 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P40&P41)         |
| 20                            | 13.00-13.15 | Continue NDT   | 20                            | 23.05-23.20 | Bevelling & Fit-up Ø6 Inch (P20&P21)                                       |
| 21                            | 13.15-13.30 | Coating (P18 Ø6 Inch) & (P34&P35 Ø2 Inch)                                  | 21                            | 23.05-23.20 | Bevelling & Fit-up Ø2 Inch (P39,P40&P41)                                   |
| 22                            | 13.30-13.40 | Install the Pushing Wire at the end of (P18) Triple Joint Pipeline Ø6 Inch | 22                            | 23.20-00.00 | Welding Joint Ø6 Inch (P20&P21)  |
| 23                            | 13.40-14.00 | Install the Floating Drum  | 23                            | 23.20-00.00 | Welding Joint Ø2 Inch (P39,P40&P41)  |
| 24                            | 14.00-14.10 | Push by Using Winch for Pipeline Movement Sec. 17 (612/1200 ml)            | 24                            | 00.00-01.00 | Istirahat Shift 2  |
| 25                            | 14.10-14.20 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           | 25                            | 01.00-01.50 | Continue Welding Joint Ø6 Inch (P20&P21)                                   |
| 26                            | 14.20-14.30 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P19)             | 26                            | 01.00-01.20 | Continue Welding Joint Ø2 Inch (P39,P40&P41)                               |
| 27                            | 14.30-14.40 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P36&P37)         | 27                            | 01.50-02.30 | NDT  |
| 28                            | 14.40-14.55 | Bevelling & Fit-up Ø6 Inch (P18&P19)                                       | 28                            | 02.30-02.45 | Coating (P21 Ø6 Inch) & (P40&P41 Ø2 Inch)                                  |
| 29                            | 14.40-14.55 | Bevelling & Fit-up Ø2 Inch (P35,P36&P37)                                   | 29                            | 02.45-02.55 | Install the Pushing Wire at the end of (P21) Triple Joint Pipeline Ø6 Inch |
| 30                            | 14.55-16.25 | Welding Joint Ø6 Inch (P18&P19)  | 30                            | 02.55-03.15 | Install the Floating Drum  |
| 31                            | 14.55-15.55 | Welding Joint Ø2 Inch (P35,P36&P37)  | 31                            | 03.15-03.25 | Push by Using Winch for Pipeline Movement Sec. 20 (720/1200 ml)            |
| 32                            | 16.25-17.05 | NDT  | 32                            | 03.25-03.35 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 33                            | 17.05-17.20 | Coating (P19 Ø6 Inch) & (P36&P37 Ø2 Inch)                                  | 33                            | 03.35-03.45 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P22)             |
| 34                            | 17.20-17.35 | Install the Anode Sec. 3 (657/1200 ml)                                     | 34                            | 03.45-03.55 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P42&P43)         |
| 35                            | 17.35-17.45 | Install the Pushing Wire at the end of (P19) Triple Joint Pipeline Ø6 Inch | 35                            | 03.55-04.10 | Bevelling & Fit-up Ø6 Inch (P21&P22)                                       |
| 36                            | 17.45-18.00 | Install the Floating Drum  | 36                            | 03.55-04.10 | Bevelling & Fit-up Ø2 Inch (P41,P42&P43)                                   |
|                               |             |  | 37                            | 04.10-05.40 | Welding Joint Ø6 Inch (P21&P22)  |
|                               |             |  | 38                            | 04.10-05.10 | Welding Joint Ø2 Inch (P41,P42&P43)  |
|                               |             |  | 39                            | 05.40-06.00 | NDT  |

| Day 5-6 (27-28 December 2020) |             |  | Day 5-6 (27-28 December 2020) |             |  |
|-------------------------------|-------------|--|-------------------------------|-------------|--|
| SHIFT 1                       |             |  | SHIFT 2                       |             |  |
| NO                            | JAM         | ITEM PEKERJAAN   | NO                            | JAM         | ITEM PEKERJAAN   |
| 1                             | 06.00-06.15 | Permit Preparation   | 1                             | 18.00-18.15 | Permit Preparation   |
| 2                             | 06.15-06.30 | Toolbox Meeting  | 2                             | 18.15-18.30 | Toolbox Meeting  |
| 3                             | 06.30-06.45 | Lifting Gear, Power & Hand Tools Preparation                               | 3                             | 18.30-19.25 | Continue Welding Joint Ø6 Inch (P24&P25)                                   |
| 4                             | 06.45-07.05 | Continue NDT   | 4                             | 18.30-18.55 | Continue Welding Joint Ø2 Inch (P47,P48&P49)                               |
| 5                             | 07.05-07.20 | Coating (P22 Ø6 Inch) & (P42&P43 Ø2 Inch)                                  | 5                             | 19.25-20.05 | NDT  |
| 6                             | 07.20-07.30 | Install the Pushing Wire at the end of (P22) Triple Joint Pipeline Ø6 Inch | 6                             | 20.05-20.20 | Coating (P25 Ø6 Inch) & (P48&P49 Ø2 Inch)                                  |
| 7                             | 07.30-07.50 | Install the Floating Drum  | 7                             | 20.20-20.35 | Install the Anode Sec. 4 (876/1200 ml)                                     |
| 8                             | 07.50-08.00 | Push by Using Winch for Pipeline Movement Sec. 21 (756/1200 ml)            | 8                             | 20.35-20.45 | Install the Pushing Wire at the end of (P25) Triple Joint Pipeline Ø6 Inch |
| 9                             | 08.00-08.10 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           | 9                             | 20.45-21.05 | Install the Floating Drum  |
| 10                            | 08.10-08.20 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P23)             | 10                            | 21.05-21.15 | Push by Using Winch for Pipeline Movement Sec. 24 (864/1200 ml)            |
| 11                            | 08.20-08.30 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P44&P45)         | 11                            | 21.15-21.25 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 12                            | 08.30-08.45 | Bevelling & Fit-up Ø6 Inch (P22&P23)                                       | 12                            | 21.25-21.35 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P26)             |
| 13                            | 08.30-08.45 | Bevelling & Fit-up Ø2 Inch (P43,P44&P45)                                   | 13                            | 21.35-21.45 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P50&P51)         |
| 14                            | 08.45-10.15 | Welding Joint Ø6 Inch (P22&P23)  | 14                            | 21.45-22.00 | Bevelling & Fit-up Ø6 Inch (P25&P26)                                       |
| 15                            | 08.45-09.45 | Welding Joint Ø2 Inch (P43,P44&P45)  | 15                            | 21.45-22.00 | Bevelling & Fit-up Ø2 Inch (P49,P50&P51)                                   |
| 16                            | 10.15-10.55 | NDT  | 16                            | 22.00-23.30 | Welding Joint Ø6 Inch (P25&P26)  |
| 17                            | 10.55-11.10 | Coating (P23 Ø6 Inch) & (P44&P45 Ø2 Inch)                                  | 17                            | 22.00-23.00 | Welding Joint Ø2 Inch (P49,P50&P51)  |
| 18                            | 11.10-11.20 | Install the Pushing Wire at the end of (P23) Triple Joint Pipeline Ø6 Inch | 18                            | 23.30-00.00 | NDT  |
| 19                            | 11.20-11.40 | Install the Floating Drum  | 19                            | 00.00-01.00 | Istirahat Shift 2  |
| 20                            | 11.40-11.50 | Push by Using Winch for Pipeline Movement Sec. 22 (792/1200 ml)            | 20                            | 01.00-01.10 | Continue NDT   |
| 21                            | 11.50-12.00 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           | 21                            | 01.10-01.25 | Coating (P26 Ø6 Inch) & (P50&P51 Ø2 Inch)                                  |
| 22                            | 12.00-13.00 | Istirahat Shift 1  | 22                            | 01.25-01.35 | Install the Pushing Wire at the end of (P26) Triple Joint Pipeline Ø6 Inch |
| 23                            | 13.00-13.10 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P24)             | 23                            | 01.35-01.55 | Install the Floating Drum  |
| 24                            | 13.10-13.20 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P46&P47)         | 24                            | 01.55-02.05 | Push by Using Winch for Pipeline Movement Sec. 25 (900/1200 ml)            |
| 25                            | 13.20-13.35 | Bevelling & Fit-up Ø6 Inch (P23&P24)                                       | 25                            | 02.05-02.15 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 26                            | 13.20-13.35 | Bevelling & Fit-up Ø2 Inch (P45,P46&P47)                                   | 26                            | 02.15-02.25 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P27)             |
| 27                            | 13.35-15.05 | Welding Joint Ø6 Inch (P23&P24)  | 27                            | 02.25-02.35 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P52&P53)         |
| 28                            | 13.35-14.35 | Welding Joint Ø2 Inch (P45,P46&P47)  | 28                            | 02.35-02.50 | Bevelling & Fit-up Ø6 Inch (P26&P27)                                       |
| 29                            | 15.05-15.45 | NDT  | 29                            | 02.35-02.50 | Bevelling & Fit-up Ø2 Inch (P51,P52&P53)                                   |
| 30                            | 15.45-16.00 | Coating (P24 Ø6 Inch) & (P46&P47 Ø2 Inch)                                  | 30                            | 02.50-04.20 | Welding Joint Ø6 Inch (P26&P27)  |
| 31                            | 16.00-16.10 | Install the Pushing Wire at the end of (P24) Triple Joint Pipeline Ø6 Inch | 31                            | 02.50-03.50 | Welding Joint Ø2 Inch (P51,P52&P53)  |
| 32                            | 16.10-16.30 | Install the Floating Drum  | 32                            | 04.20-05.00 | NDT  |
| 33                            | 16.30-16.40 | Push by Using Winch for Pipeline Movement Sec. 23 (828/1200 ml)            | 33                            | 05.00-05.15 | Coating (P27 Ø6 Inch) & (P52&P53 Ø2 Inch)                                  |
| 34                            | 16.40-16.50 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           | 34                            | 05.15-05.25 | Install the Pushing Wire at the end of (P27) Triple Joint Pipeline Ø6 Inch |
| 35                            | 16.50-17.00 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P25)             | 35                            | 05.25-05.45 | Install the Floating Drum  |
| 36                            | 17.00-17.10 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P48&P49)         | 36                            | 05.45-05.55 | Push by Using Winch for Pipeline Movement Sec. 26 (936/1200 ml)            |
| 37                            | 17.10-17.25 | Bevelling & Fit-up Ø6 Inch (P24&P25)                                       | 37                            | 05.55-06.00 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 38                            | 17.10-17.25 | Bevelling & Fit-up Ø2 Inch (P47,P48&P49)                                   |                               |             |  |
| 39                            | 17.25-18.00 | Welding Joint Ø6 Inch (P24&P25)  |                               |             |  |
| 40                            | 17.25-18.00 | Welding Joint Ø2 Inch (P47,P48&P49)  |                               |             |  |

| Day 6-7 (28-29 December 2020) |             |  | Day 6-7 (28-29 December 2020) |             |  |
|-------------------------------|-------------|--|-------------------------------|-------------|--|
| SHIFT 1                       |             |  | SHIFT 2                       |             |  |
| NO                            | JAM         | ITEM PEKERJAAN   | NO                            | JAM         | ITEM PEKERJAAN   |
| 1                             | 06.00-06.15 | Permit Preparation   | 1                             | 18.00-18.15 | Permit Preparation   |
| 2                             | 06.15-06.30 | Toolbox Meeting  | 2                             | 18.15-18.30 | Toolbox Meeting  |
| 3                             | 06.30-06.45 | Lifting Gear, Power & Hand Tools Preparation                               | 3                             | 18.30-18.45 | Continue NDT   |
| 4                             | 06.45-06.50 | Continue Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline  | 4                             | 18.45-19.00 | Coating (P30 Ø6 Inch) & (P58&P59 Ø2 Inch)                                  |
| 5                             | 06.50-07.00 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P28)             | 5                             | 19.00-19.10 | Install the Pushing Wire at the end of (P30) Triple Joint Pipeline Ø6 Inch |
| 6                             | 07.00-07.10 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P54&P55)         | 6                             | 19.10-19.30 | Install the Floating Drum  |
| 7                             | 07.10-07.25 | Bevelling & Fit-up Ø6 Inch (P27&P28)                                       | 7                             | 19.30-19.40 | Push by Using Winch for Pipeline Movement Sec. 29 (1044/1200 ml)           |
| 8                             | 07.10-07.25 | Bevelling & Fit-up Ø2 Inch (P53,P54&P55)                                   | 8                             | 19.40-19.50 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 9                             | 07.25-08.55 | Welding Joint Ø6 Inch (P27&P28)  | 9                             | 19.50-20.00 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P31)             |
| 10                            | 07.25-08.25 | Welding Joint Ø2 Inch (P53,P54&P55)  | 10                            | 20.00-20.10 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P60&P61)         |
| 11                            | 08.55-09.35 | NDT  | 11                            | 20.10-20.25 | Bevelling & Fit-up Ø6 Inch (P30&P31)                                       |
| 12                            | 09.35-09.50 | Coating (P28 Ø6 Inch) & (P54&P55 Ø2 Inch)                                  | 12                            | 20.10-20.25 | Bevelling & Fit-up Ø2 Inch (P59,P60&P61)                                   |
| 13                            | 09.50-10.00 | Install the Pushing Wire at the end of (P28) Triple Joint Pipeline Ø6 Inch | 13                            | 20.25-21.55 | Welding Joint Ø6 Inch (P30&P31)  |
| 14                            | 10.00-10.20 | Install the Floating Drum  | 14                            | 20.25-21.25 | Welding Joint Ø2 Inch (P59,P60&P61)  |
| 15                            | 10.20-10.30 | Push by Using Winch for Pipeline Movement Sec. 27 (972/1200 ml)            | 15                            | 21.55-22.35 | NDT  |
| 16                            | 10.30-10.40 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           | 16                            | 22.35-22.50 | Coating (P31 Ø6 Inch) & (P60&P61 Ø2 Inch)                                  |
| 17                            | 10.40-10.50 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P29)             | 17                            | 22.50-23.05 | Install the Anode Sec. 5 (1095/1200 ml)                                    |
| 18                            | 10.50-11.00 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P56&P57)         | 18                            | 23.05-23.15 | Install the Pushing Wire at the end of (P31) Triple Joint Pipeline Ø6 Inch |
| 19                            | 11.00-11.15 | Bevelling & Fit-up Ø6 Inch (P28&P29)                                       | 19                            | 23.15-23.35 | Install the Floating Drum  |
| 20                            | 11.00-11.15 | Bevelling & Fit-up Ø2 Inch (P55,P56&P57)                                   | 20                            | 23.35-23.45 | Push by Using Winch for Pipeline Movement Sec. 30 (1080/1200 ml)           |
| 21                            | 11.15-12.00 | Welding Joint Ø6 Inch (P28&P29)  | 21                            | 23.45-23.55 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 22                            | 11.15-12.00 | Welding Joint Ø2 Inch (P55,P56&P57)  | 22                            | 23.55-00.00 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P32)             |
| 23                            | 12.00-13.00 | Istirahat Shift 1  | 23                            | 00.00-01.00 | Istirahat Shift 2  |
| 24                            | 13.00-13.45 | Continue Welding Joint Ø6 Inch (P28&P29)                                   | 24                            | 01.00-01.05 | Continue Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P32)    |
| 25                            | 13.00-13.15 | Continue Welding Joint Ø2 Inch (P55,P56&P57)                               | 25                            | 01.05-01.15 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P62&P63)         |
| 26                            | 13.45-14.25 | NDT  | 26                            | 01.15-01.30 | Bevelling & Fit-up Ø6 Inch (P31&P32)                                       |
| 27                            | 14.25-14.40 | Coating (P29 Ø6 Inch) & (P56&P57 Ø2 Inch)                                  | 27                            | 01.15-01.30 | Bevelling & Fit-up Ø2 Inch (P61,P62&P63)                                   |
| 28                            | 14.40-14.50 | Install the Pushing Wire at the end of (P29) Triple Joint Pipeline Ø6 Inch | 28                            | 01.30-03.00 | Welding Joint Ø6 Inch (P31&P32)  |
| 29                            | 14.50-15.10 | Install the Floating Drum  | 29                            | 01.30-02.30 | Welding Joint Ø2 Inch (P61,P62&P63)  |
| 30                            | 15.10-15.20 | Push by Using Winch for Pipeline Movement Sec. 28 (1008/1200 ml)           | 30                            | 03.00-03.40 | NDT  |
| 31                            | 15.20-15.30 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           | 31                            | 03.40-03.55 | Coating (P32 Ø6 Inch) & (P62&P63 Ø2 Inch)                                  |
| 32                            | 15.30-15.40 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P30)             | 32                            | 03.55-04.05 | Install the Pushing Wire at the end of (P32) Triple Joint Pipeline Ø6 Inch |
| 33                            | 15.40-15.50 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P58&P59)         | 33                            | 04.05-04.25 | Install the Floating Drum  |
| 34                            | 15.50-16.05 | Bevelling & Fit-up Ø6 Inch (P29&P30)                                       | 34                            | 04.25-04.35 | Push by Using Winch for Pipeline Movement Sec. 31 (1116/1200 ml)           |
| 35                            | 15.50-16.05 | Bevelling & Fit-up Ø2 Inch (P57,P58&P59)                                   | 35                            | 04.35-04.45 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 36                            | 16.05-17.35 | Welding Joint Ø6 Inch (P29&P30)  | 36                            | 04.45-04.55 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P33)             |
| 37                            | 16.05-17.05 | Welding Joint Ø2 Inch (P57,P58&P59)  | 37                            | 04.55-05.05 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P64&P65)         |
| 38                            | 17.35-18.00 | NDT  | 38                            | 05.05-05.20 | Bevelling & Fit-up Ø6 Inch (P32&P33)                                       |
|                               |             |  | 39                            | 05.05-05.20 | Bevelling & Fit-up Ø2 Inch (P63,P64&P65)                                   |
|                               |             |  | 40                            | 05.20-06.00 | Welding Joint Ø6 Inch (P32&P33)  |
|                               |             |  | 41                            | 05.20-06.00 | Welding Joint Ø2 Inch (P63,P64&P65)  |

| Day 7 (29 December 2020) |             |  |
|--------------------------|-------------|--|
| SHIFT 1                  |             |  |
| NO                       | JAM         | ITEM PEKERJAAN   |
| 1                        | 06.00-06.15 | Permit Preparation   |
| 2                        | 06.15-06.30 | Toolbox Meeting  |
| 3                        | 06.30-06.45 | Lifting Gear, Power & Hand Tools Preparation                               |
| 4                        | 06.45-07.35 | Continue Welding Joint Ø6 Inch (P32&P33)                                   |
| 5                        | 06.45-07.05 | Continue Welding Joint Ø2 Inch (P63,P64&P65)                               |
| 6                        | 07.35-08.15 | NDT  |
| 7                        | 08.15-08.30 | Coating (P33 Ø6 Inch) & (P64&P65 Ø2 Inch)                                  |
| 8                        | 08.30-08.40 | Install the Pushing Wire at the end of (P33) Triple Joint Pipeline Ø6 Inch |
| 9                        | 08.40-09.00 | Install the Floating Drum  |
| 10                       | 09.00-09.10 | Push by Using Winch for Pipeline Movement Sec. 32 (1152/1200 ml)           |
| 11                       | 09.10-09.20 | Remove & Reattach Pushing Wire to the Next Triple Joint Pipeline           |
| 12                       | 09.20-09.30 | Lifting the Next Triple Joint Pipeline to Roller Ø6 Inch (P34)             |
| 13                       | 09.30-09.40 | Lifting the Next Triple Joint Pipeline to Roller Ø2 Inch (P66&P67)         |
| 14                       | 09.40-09.55 | Cut the Remaining Pipeline Ø6 Inch (P34) be 12 m                           |
| 15                       | 09.55-10.05 | Cut the Remaining Pipeline Ø2 Inch (P67) be 12 m                           |
| 16                       | 10.05-10.20 | Bevelling & Fit-up Ø6 Inch (P33&P34)                                       |
| 17                       | 10.05-10.20 | Bevelling & Fit-up Ø2 Inch (P65,P66&P67)                                   |
| 18                       | 10.20-11.50 | Welding Joint Ø6 Inch (P33&P34)  |
| 19                       | 10.20-11.20 | Welding Joint Ø2 Inch (P65,P66&P67)  |
| 20                       | 11.50-12.00 | NDT  |
| 21                       | 12.00-13.00 | Istirahat Shift 1  |
| 22                       | 13.00-13.30 | Continue NDT   |
| 23                       | 13.30-13.45 | Coating (P34 Ø6 Inch) & (P66&P67 Ø2 Inch)                                  |
| 24                       | 13.45-13.55 | Install the Pushing Wire at the end of (P34) Triple Joint Pipeline Ø6 Inch |
| 25                       | 13.55-14.15 | Install the Floating Drum  |
| 26                       | 14.15-14.30 | Install Deadman/Buoy at the end of Pipeline                                |
| 27                       | 14.30-14.40 | Push by Using Winch for Pipeline Movement Sec. 33 (1200/1200 ml)           |
| 28                       | 14.40-14.45 | Remove Pushing Wire to the Next Triple Joint Pipeline                      |

Lampiran 3 Tabel Perhitungan Biaya Instalasi Pipeline Menggunakan Metode Bottom Pull

| NO | ITEM PEKERJAAN   | CONSUMABLE  |      | LABOR         |             | NON-LABOR    |             | CUMMULATIVE COST |               |            |
|----|--|-------------|------|---------------|-------------|--------------|-------------|------------------|---------------|------------|
|    |  | BUDGER UNIT | UNIT | BUDGET COST   | BUDGER UNIT | UNIT         | BUDGET COST |                  | BUDGER UNIT   | UNIT       |
| 1  | Mobilization, Positioning LCT & Movement Swamp Backhoe |             |      | Rp 74.756.500 |             |              |             |                  | Rp 74.756.500 |            |
|    | *Solar Industri  | 3710        | Ltr  | Rp 74.756.500 |             |              |             |                  |               |            |
| 2  | Install Pile Guide for Standby Swamp Backhoe           |             |      | Rp 7.052.500  |             | Rp 1.273.338 |             |                  | Rp 8.325.838  |            |
|    | *Solar Industri  | 350         | Ltr  | Rp 7.052.500  |             |              |             |                  |               |            |
|    | *Operator Swamp Backhoe (1)                            |             |      |               | 11          | h            | Rp 320.001  |                  |               |            |
|    | *Safetyman   |             |      |               | 11          | h            | Rp 313.335  |                  |               |            |
|    | *Mekanik   |             |      |               | 11          | h            | Rp 320.001  |                  |               |            |
|    | *Elektrik  |             |      |               | 11          | h            | Rp 320.001  |                  |               |            |
| 3  | Day 1 Trench Work (220/1200 ml)                        |             |      | Rp 7.052.500  |             | Rp 1.760.011 |             | Rp 700.000       | Rp 9.512.511  |            |
|    | *Solar Industri  | 350         | Ltr  | Rp 7.052.500  |             |              |             |                  |               |            |
|    | *Operator Swamp Backhoe (2)                            |             |      |               | 11          | h            | Rp 640.002  |                  |               |            |
|    | *Safetyman   |             |      |               | 11          | h            | Rp 313.335  |                  |               |            |
|    | *Mekanik   |             |      |               | 11          | h            | Rp 320.001  |                  |               |            |
|    | *Elektrik  |             |      |               | 11          | h            | Rp 320.001  |                  |               |            |
|    | *Medik   |             |      |               | 11          | h            | Rp 166.672  |                  |               |            |
|    | *Wooden Boat   |             |      |               |             |              |             | 1                | d             | Rp 700.000 |
| 4  | Day 2 Trench Work (440/1200 ml)                        |             |      | Rp 7.052.500  |             | Rp 1.760.011 |             | Rp 700.000       | Rp 9.512.511  |            |
|    | *Solar Industri  | 350         | Ltr  | Rp 7.052.500  |             |              |             |                  |               |            |
|    | *Operator Swamp Backhoe (2)                            |             |      |               | 11          | h            | Rp 640.002  |                  |               |            |
|    | *Safetyman   |             |      |               | 11          | h            | Rp 313.335  |                  |               |            |
|    | *Mekanik   |             |      |               | 11          | h            | Rp 320.001  |                  |               |            |
|    | *Elektrik  |             |      |               | 11          | h            | Rp 320.001  |                  |               |            |
|    | *Medik   |             |      |               | 11          | h            | Rp 166.672  |                  |               |            |
|    | *Wooden Boat   |             |      |               |             |              |             | 1                | d             | Rp 700.000 |
| 5  | Day 3 Trench Work (660/1200 ml)                        |             |      | Rp 7.052.500  |             | Rp 1.760.011 |             | Rp 700.000       | Rp 9.512.511  |            |
|    | *Solar Industri  | 350         | Ltr  | Rp 7.052.500  |             |              |             |                  |               |            |
|    | *Operator Swamp Backhoe (2)                            |             |      |               | 11          | h            | Rp 640.002  |                  |               |            |
|    | *Safetyman   |             |      |               | 11          | h            | Rp 313.335  |                  |               |            |
|    | *Mekanik   |             |      |               | 11          | h            | Rp 320.001  |                  |               |            |
|    | *Elektrik  |             |      |               | 11          | h            | Rp 320.001  |                  |               |            |
|    | *Medik   |             |      |               | 11          | h            | Rp 166.672  |                  |               |            |
|    | *Wooden Boat   |             |      |               |             |              |             | 1                | d             | Rp 700.000 |
| 6  | Day 4 Trench Work (880/1200 ml)                        |             |      | Rp 7.052.500  |             | Rp 1.760.011 |             | Rp 700.000       | Rp 9.512.511  |            |
|    | *Solar Industri  | 350         | Ltr  | Rp 7.052.500  |             |              |             |                  |               |            |
|    | *Operator Swamp Backhoe (2)                            |             |      |               | 11          | h            | Rp 640.002  |                  |               |            |
|    | *Safetyman   |             |      |               | 11          | h            | Rp 313.335  |                  |               |            |
|    | *Mekanik   |             |      |               | 11          | h            | Rp 320.001  |                  |               |            |
|    | *Elektrik  |             |      |               | 11          | h            | Rp 320.001  |                  |               |            |
|    | *Medik   |             |      |               | 11          | h            | Rp 166.672  |                  |               |            |
|    | *Wooden Boat   |             |      |               |             |              |             | 1                | d             | Rp 700.000 |
| 7  | Day 5 Trench Work (1100/1200 ml)                       |             |      | Rp 7.052.500  |             | Rp 1.760.011 |             | Rp 700.000       | Rp 9.512.511  |            |
|    | *Solar Industri  | 350         | Ltr  | Rp 7.052.500  |             |              |             |                  |               |            |
|    | *Operator Swamp Backhoe (2)                            |             |      |               | 11          | h            | Rp 640.002  |                  |               |            |
|    | *Safetyman   |             |      |               | 11          | h            | Rp 313.335  |                  |               |            |
|    | *Mekanik   |             |      |               | 11          | h            | Rp 320.001  |                  |               |            |
|    | *Elektrik  |             |      |               | 11          | h            | Rp 320.001  |                  |               |            |
|    | *Medik   |             |      |               | 11          | h            | Rp 166.672  |                  |               |            |
|    | *Wooden Boat   |             |      |               |             |              |             | 1                | d             | Rp 700.000 |
| 8  | Day 6 Trench Work (1200/1200 ml)                       |             |      | Rp 4.312.100  |             | Rp 800.005   |             | Rp 700.000       | Rp 5.812.105  |            |
|    | *Solar Industri  | 214         | Ltr  | Rp 4.312.100  |             |              |             |                  |               |            |
|    | *Operator Swamp Backhoe (2)                            |             |      |               | 5           | h            | Rp 290.910  |                  |               |            |
|    | *Safetyman   |             |      |               | 5           | h            | Rp 142.425  |                  |               |            |
|    | *Mekanik   |             |      |               | 5           | h            | Rp 145.455  |                  |               |            |
|    | *Elektrik  |             |      |               | 5           | h            | Rp 145.455  |                  |               |            |
|    | *Medik   |             |      |               | 5           | h            | Rp 75.760   |                  |               |            |
|    | *Wooden Boat   |             |      |               |             |              |             | 1                | d             | Rp 700.000 |

|    |   |      |     |               |    |   |               |   |            |               |
|----|---|------|-----|---------------|----|---|---------------|---|------------|---------------|
| 9  | Mobilization Barge + Poonton                            |      |     | Rp 81.748.550 |    |   | Rp 2.214.548  |   | Rp -       | Rp 83.963.098 |
|    | *Solar Industri   | 4057 | Ltr | Rp 81.748.550 |    |   |               |   |            |               |
|    | *Barge Master   |      |     |               | 28 | h | Rp 636.356    |   |            |               |
|    | *Office Boy   |      |     |               | 28 | h | Rp 814.548    |   |            |               |
|    | *Koki   |      |     |               | 28 | h | Rp 169.708    |   |            |               |
|    | *Radio Operator   |      |     |               | 28 | h | Rp 593.936    |   |            |               |
| 10 | Positioning Barge + Poonton                             |      |     | Rp 7.838.350  |    |   | Rp 237.273    |   | Rp -       | Rp 8.075.623  |
|    | *Solar Industri   | 389  | Ltr | Rp 7.838.350  |    |   |               |   |            |               |
|    | *Barge Master   |      |     |               | 3  | h | Rp 68.181     |   |            |               |
|    | *Office Boy   |      |     |               | 3  | h | Rp 87.273     |   |            |               |
|    | *Koki   |      |     |               | 3  | h | Rp 18.183     |   |            |               |
|    | *Radio Operator   |      |     |               | 3  | h | Rp 63.636     |   |            |               |
| 11 | Transfer & Attach Wire Tension to Pull Pipeline Later   |      |     | Rp 1.753.050  |    |   | Rp 393.334    |   | Rp -       | Rp 2.146.384  |
|    | *Solar Industri   | 87   | Ltr | Rp 1.753.050  |    |   |               |   |            |               |
|    | *Barge Master   |      |     |               | 2  | h | Rp 45.454     |   |            |               |
|    | *Office Boy   |      |     |               | 2  | h | Rp 58.182     |   |            |               |
|    | *Koki   |      |     |               | 2  | h | Rp 12.122     |   |            |               |
|    | *Radio Operator   |      |     |               | 2  | h | Rp 42.424     |   |            |               |
|    | *Foreman Rigger   |      |     |               | 2  | h | Rp 60.606     |   |            |               |
|    | *Rigger (3)   |      |     |               | 2  | h | Rp 174.546    |   |            |               |
| 12 | Day 1-2 #S1 (06 Inch 144/1200 ml & 02 Inch 126/1200 ml) |      |     | Rp 19.152.965 |    |   | Rp 11.166.683 |   | Rp 365.909 | Rp 30.685.557 |
|    | *Argon  | 1    | Pcs | Rp 60.000     |    |   |               |   |            |               |
|    | *CS Band-it   | 25   | M   | Rp 1.428.008  |    |   |               |   |            |               |
|    | *CS Clamp   | 50   | Pcs | Rp 680.400    |    |   |               |   |            |               |
|    | *Electrode  | 21   | Pcs | Rp 35.007     |    |   |               |   |            |               |
|    | *Grinding Disk  | 2    | Pcs | Rp 84.000     |    |   |               |   |            |               |
|    | *Solar Industri   | 837  | Ltr | Rp 16.865.550 |    |   |               |   |            |               |
|    | *Barge Master   |      |     |               | 11 | h | Rp 249.997    |   |            |               |
|    | *Crane Operator (2)                                     |      |     |               | 11 | h | Rp 660.000    |   |            |               |
|    | *Driver Seatruck  |      |     |               | 11 | h | Rp 200.002    |   |            |               |
|    | *Elektrik   |      |     |               | 11 | h | Rp 320.001    |   |            |               |
|    | *Fitter (2)   |      |     |               | 11 | h | Rp 640.002    |   |            |               |
|    | *Foreman  |      |     |               | 11 | h | Rp 343.332    |   |            |               |
|    | *Foreman Rigger   |      |     |               | 11 | h | Rp 333.333    |   |            |               |
|    | *Helper (4)   |      |     |               | 11 | h | Rp 1.253.340  |   |            |               |
|    | *Helper Seatruck (2)                                    |      |     |               | 11 | h | Rp 626.670    |   |            |               |
|    | *Koki   |      |     |               | 11 | h | Rp 66.671     |   |            |               |
|    | *Medik  |      |     |               | 11 | h | Rp 166.672    |   |            |               |
|    | *Mekank   |      |     |               | 11 | h | Rp 320.001    |   |            |               |
|    | *NDT  |      |     |               | 11 | h | Rp 1.249.996  |   |            |               |
|    | *Office Boy   |      |     |               | 11 | h | Rp 320.001    |   |            |               |
|    | *Painter  |      |     |               | 11 | h | Rp 320.001    |   |            |               |
|    | *Radio Operator   |      |     |               | 11 | h | Rp 233.332    |   |            |               |
|    | *Rigger (3)   |      |     |               | 11 | h | Rp 960.003    |   |            |               |
|    | *Safetyman  |      |     |               | 11 | h | Rp 313.335    |   |            |               |
|    | *Welder (3)   |      |     |               | 11 | h | Rp 1.059.993  |   |            |               |
|    | *QC/WI  |      |     |               | 11 | h | Rp 249.997    |   |            |               |
|    | *Winch Operator (4)                                     |      |     |               | 11 | h | Rp 1.280.004  |   |            |               |
|    | *Bend-it Tensioner                                      |      |     |               |    |   |               | 1 | Ea         | Rp 365.909    |
| 13 | Day 1-2 #S2 (06 Inch 252/1200 ml & 02 Inch 234/1200 ml) |      |     | Rp 18.851.764 |    |   | Rp 11.166.683 |   | Rp 365.909 | Rp 30.384.356 |
|    | *Argon  | 1    | Pcs | Rp 60.000     |    |   |               |   |            |               |
|    | *CS Band-it   | 22   | M   | Rp 1.224.007  |    |   |               |   |            |               |
|    | *CS Clamp   | 22   | Pcs | Rp 583.200    |    |   |               |   |            |               |
|    | *Electrode  | 21   | Pcs | Rp 35.007     |    |   |               |   |            |               |
|    | *Grinding Disk  | 2    | Pcs | Rp 84.000     |    |   |               |   |            |               |
|    | *Solar Industri   | 837  | Ltr | Rp 16.865.550 |    |   |               |   |            |               |
|    | *Barge Master   |      |     |               | 11 | h | Rp 249.997    |   |            |               |
|    | *Crane Operator (2)                                     |      |     |               | 11 | h | Rp 660.000    |   |            |               |
|    | *Driver Seatruck  |      |     |               | 11 | h | Rp 200.002    |   |            |               |
|    | *Elektrik   |      |     |               | 11 | h | Rp 320.001    |   |            |               |
|    | *Fitter (2)   |      |     |               | 11 | h | Rp 640.002    |   |            |               |
|    | *Foreman  |      |     |               | 11 | h | Rp 343.332    |   |            |               |
|    | *Foreman Rigger   |      |     |               | 11 | h | Rp 333.333    |   |            |               |
|    | *Helper (4)   |      |     |               | 11 | h | Rp 1.253.340  |   |            |               |
|    | *Helper Seatruck (2)                                    |      |     |               | 11 | h | Rp 626.670    |   |            |               |
|    | *Koki   |      |     |               | 11 | h | Rp 66.671     |   |            |               |
|    | *Medik  |      |     |               | 11 | h | Rp 166.672    |   |            |               |
|    | *Mekank   |      |     |               | 11 | h | Rp 320.001    |   |            |               |
|    | *NDT  |      |     |               | 11 | h | Rp 1.249.996  |   |            |               |
|    | *Office Boy   |      |     |               | 11 | h | Rp 320.001    |   |            |               |
|    | *Painter  |      |     |               | 11 | h | Rp 320.001    |   |            |               |
|    | *Radio Operator   |      |     |               | 11 | h | Rp 233.332    |   |            |               |
|    | *Rigger (3)   |      |     |               | 11 | h | Rp 960.003    |   |            |               |
|    | *Safetyman  |      |     |               | 11 | h | Rp 313.335    |   |            |               |
|    | *Welder (3)   |      |     |               | 11 | h | Rp 1.059.993  |   |            |               |
|    | *QC/WI  |      |     |               | 11 | h | Rp 249.997    |   |            |               |
|    | *Winch Operator (4)                                     |      |     |               | 11 | h | Rp 1.280.004  |   |            |               |
|    | *Bend-it Tensioner                                      |      |     |               |    |   |               | 1 | Ea         | Rp 365.909    |
| 14 | Day 2-3 #S1 (06 Inch 360/1200 ml & 02 Inch 342/1200 ml) |      |     | Rp 18.851.764 |    |   | Rp 11.166.683 |   | Rp 365.909 | Rp 30.384.356 |
|    | *Argon  | 1    | Pcs | Rp 60.000     |    |   |               |   |            |               |
|    | *CS Band-it   | 22   | M   | Rp 1.224.007  |    |   |               |   |            |               |
|    | *CS Clamp   | 22   | Pcs | Rp 583.200    |    |   |               |   |            |               |
|    | *Electrode  | 21   | Pcs | Rp 35.007     |    |   |               |   |            |               |
|    | *Grinding Disk  | 2    | Pcs | Rp 84.000     |    |   |               |   |            |               |
|    | *Solar Industri   | 837  | Ltr | Rp 16.865.550 |    |   |               |   |            |               |
|    | *Barge Master   |      |     |               | 11 | h | Rp 249.997    |   |            |               |
|    | *Crane Operator (2)                                     |      |     |               | 11 | h | Rp 660.000    |   |            |               |
|    | *Driver Seatruck  |      |     |               | 11 | h | Rp 200.002    |   |            |               |
|    | *Elektrik   |      |     |               | 11 | h | Rp 320.001    |   |            |               |
|    | *Fitter (2)   |      |     |               | 11 | h | Rp 640.002    |   |            |               |
|    | *Foreman  |      |     |               | 11 | h | Rp 343.332    |   |            |               |
|    | *Foreman Rigger   |      |     |               | 11 | h | Rp 333.333    |   |            |               |
|    | *Helper (4)   |      |     |               | 11 | h | Rp 1.253.340  |   |            |               |
|    | *Helper Seatruck (2)                                    |      |     |               | 11 | h | Rp 626.670    |   |            |               |
|    | *Koki   |      |     |               | 11 | h | Rp 66.671     |   |            |               |
|    | *Medik  |      |     |               | 11 | h | Rp 166.672    |   |            |               |
|    | *Mekank   |      |     |               | 11 | h | Rp 320.001    |   |            |               |
|    | *NDT  |      |     |               | 11 | h | Rp 1.249.996  |   |            |               |
|    | *Office Boy   |      |     |               | 11 | h | Rp 320.001    |   |            |               |
|    | *Painter  |      |     |               | 11 | h | Rp 320.001    |   |            |               |
|    | *Radio Operator   |      |     |               | 11 | h | Rp 233.332    |   |            |               |
|    | *Rigger (3)   |      |     |               | 11 | h | Rp 960.003    |   |            |               |
|    | *Safetyman  |      |     |               | 11 | h | Rp 313.335    |   |            |               |
|    | *Welder (3)   |      |     |               | 11 | h | Rp 1.059.993  |   |            |               |
|    | *QC/WI  |      |     |               | 11 | h | Rp 249.997    |   |            |               |
|    | *Winch Operator (4)                                     |      |     |               | 11 | h | Rp 1.280.004  |   |            |               |
|    | *Bend-it Tensioner                                      |      |     |               |    |   |               | 1 | Ea         | Rp 365.909    |

|    |   |         |    |               |      |               |           |      |            |               |
|----|---|---------|----|---------------|------|---------------|-----------|------|------------|---------------|
| 15 | Day 2-3 #S2 (06 Inch 468/1200 ml & 02 Inch 450/1200 ml) |         |    | Rp 18.851.764 |      | Rp 11.166.683 |           |      | Rp 365.909 | Rp 30.384.356 |
|    | *Argon  | 1 Pcs   | Rp | 60.000        |      |               |           |      |            |               |
|    | *CS Band-it   | 22 M    | Rp | 1.224.007     |      |               |           |      |            |               |
|    | *CS Clamp   | 22 Pcs  | Rp | 583.200       |      |               |           |      |            |               |
|    | *Electrode  | 21 Pcs  | Rp | 35.007        |      |               |           |      |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp | 84.000        |      |               |           |      |            |               |
|    | *Solar Industri   | 837 Ltr | Rp | 16.865.550    |      |               |           |      |            |               |
|    | *Barge Master   |         |    |               | 11 h | Rp            | 249.997   |      |            |               |
|    | *Crane Operator (2)                                     |         |    |               | 11 h | Rp            | 660.000   |      |            |               |
|    | *Driver Seatruck  |         |    |               | 11 h | Rp            | 200.002   |      |            |               |
|    | *Elektrik   |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *Fitter (2)   |         |    |               | 11 h | Rp            | 640.002   |      |            |               |
|    | *Foreman  |         |    |               | 11 h | Rp            | 343.332   |      |            |               |
|    | *Foreman Rigger   |         |    |               | 11 h | Rp            | 333.333   |      |            |               |
|    | *Helper (4)   |         |    |               | 11 h | Rp            | 1.253.340 |      |            |               |
|    | *Helper Seatruck (2)                                    |         |    |               | 11 h | Rp            | 626.670   |      |            |               |
|    | *Koki   |         |    |               | 11 h | Rp            | 66.671    |      |            |               |
|    | *Medik  |         |    |               | 11 h | Rp            | 166.672   |      |            |               |
|    | *Mekank   |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *NDT  |         |    |               | 11 h | Rp            | 1.249.996 |      |            |               |
|    | *Office Boy   |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *Painter  |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *Radio Operator   |         |    |               | 11 h | Rp            | 233.332   |      |            |               |
|    | *Rigger (3)   |         |    |               | 11 h | Rp            | 960.003   |      |            |               |
|    | *Safetyman  |         |    |               | 11 h | Rp            | 313.335   |      |            |               |
|    | *Welder (3)   |         |    |               | 11 h | Rp            | 1.059.993 |      |            |               |
|    | *QC/WI  |         |    |               | 11 h | Rp            | 249.997   |      |            |               |
|    | *Winch Operator (4)                                     |         |    |               | 11 h | Rp            | 1.280.004 |      |            |               |
|    | *Bend-it Tensioner                                      |         |    |               |      |               |           | 1 Ea | Rp         | 365.909       |
| 16 | Day 3-4 #S1 (06 Inch 576/1200 ml & 02 Inch 558/1200 ml) |         |    | Rp 18.851.764 |      | Rp 11.166.683 |           |      | Rp 365.909 | Rp 30.384.356 |
|    | *Argon  | 1 Pcs   | Rp | 60.000        |      |               |           |      |            |               |
|    | *CS Band-it   | 22 M    | Rp | 1.224.007     |      |               |           |      |            |               |
|    | *CS Clamp   | 22 Pcs  | Rp | 583.200       |      |               |           |      |            |               |
|    | *Electrode  | 21 Pcs  | Rp | 35.007        |      |               |           |      |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp | 84.000        |      |               |           |      |            |               |
|    | *Solar Industri   | 837 Ltr | Rp | 16.865.550    |      |               |           |      |            |               |
|    | *Barge Master   |         |    |               | 11 h | Rp            | 249.997   |      |            |               |
|    | *Crane Operator (2)                                     |         |    |               | 11 h | Rp            | 660.000   |      |            |               |
|    | *Driver Seatruck  |         |    |               | 11 h | Rp            | 200.002   |      |            |               |
|    | *Elektrik   |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *Fitter (2)   |         |    |               | 11 h | Rp            | 640.002   |      |            |               |
|    | *Foreman  |         |    |               | 11 h | Rp            | 343.332   |      |            |               |
|    | *Foreman Rigger   |         |    |               | 11 h | Rp            | 333.333   |      |            |               |
|    | *Helper (4)   |         |    |               | 11 h | Rp            | 1.253.340 |      |            |               |
|    | *Helper Seatruck (2)                                    |         |    |               | 11 h | Rp            | 626.670   |      |            |               |
|    | *Koki   |         |    |               | 11 h | Rp            | 66.671    |      |            |               |
|    | *Medik  |         |    |               | 11 h | Rp            | 166.672   |      |            |               |
|    | *Mekank   |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *NDT  |         |    |               | 11 h | Rp            | 1.249.996 |      |            |               |
|    | *Office Boy   |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *Painter  |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *Radio Operator   |         |    |               | 11 h | Rp            | 233.332   |      |            |               |
|    | *Rigger (3)   |         |    |               | 11 h | Rp            | 960.003   |      |            |               |
|    | *Safetyman  |         |    |               | 11 h | Rp            | 313.335   |      |            |               |
|    | *Welder (3)   |         |    |               | 11 h | Rp            | 1.059.993 |      |            |               |
|    | *QC/WI  |         |    |               | 11 h | Rp            | 249.997   |      |            |               |
|    | *Winch Operator (4)                                     |         |    |               | 11 h | Rp            | 1.280.004 |      |            |               |
|    | *Bend-it Tensioner                                      |         |    |               |      |               |           | 1 Ea | Rp         | 365.909       |
| 17 | Day 3-4 #S2 (06 Inch 684/1200 ml & 02 Inch 666/1200 ml) |         |    | Rp 18.851.764 |      | Rp 11.166.683 |           |      | Rp 365.909 | Rp 30.384.356 |
|    | *Argon  | 1 Pcs   | Rp | 60.000        |      |               |           |      |            |               |
|    | *CS Band-it   | 22 M    | Rp | 1.224.007     |      |               |           |      |            |               |
|    | *CS Clamp   | 22 Pcs  | Rp | 583.200       |      |               |           |      |            |               |
|    | *Electrode  | 21 Pcs  | Rp | 35.007        |      |               |           |      |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp | 84.000        |      |               |           |      |            |               |
|    | *Solar Industri   | 837 Ltr | Rp | 16.865.550    |      |               |           |      |            |               |
|    | *Barge Master   |         |    |               | 11 h | Rp            | 249.997   |      |            |               |
|    | *Crane Operator (2)                                     |         |    |               | 11 h | Rp            | 660.000   |      |            |               |
|    | *Driver Seatruck  |         |    |               | 11 h | Rp            | 200.002   |      |            |               |
|    | *Elektrik   |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *Fitter (2)   |         |    |               | 11 h | Rp            | 640.002   |      |            |               |
|    | *Foreman  |         |    |               | 11 h | Rp            | 343.332   |      |            |               |
|    | *Foreman Rigger   |         |    |               | 11 h | Rp            | 333.333   |      |            |               |
|    | *Helper (4)   |         |    |               | 11 h | Rp            | 1.253.340 |      |            |               |
|    | *Helper Seatruck (2)                                    |         |    |               | 11 h | Rp            | 626.670   |      |            |               |
|    | *Koki   |         |    |               | 11 h | Rp            | 66.671    |      |            |               |
|    | *Medik  |         |    |               | 11 h | Rp            | 166.672   |      |            |               |
|    | *Mekank   |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *NDT  |         |    |               | 11 h | Rp            | 1.249.996 |      |            |               |
|    | *Office Boy   |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *Painter  |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *Radio Operator   |         |    |               | 11 h | Rp            | 233.332   |      |            |               |
|    | *Rigger (3)   |         |    |               | 11 h | Rp            | 960.003   |      |            |               |
|    | *Safetyman  |         |    |               | 11 h | Rp            | 313.335   |      |            |               |
|    | *Welder (3)   |         |    |               | 11 h | Rp            | 1.059.993 |      |            |               |
|    | *QC/WI  |         |    |               | 11 h | Rp            | 249.997   |      |            |               |
|    | *Winch Operator (4)                                     |         |    |               | 11 h | Rp            | 1.280.004 |      |            |               |
|    | *Bend-it Tensioner                                      |         |    |               |      |               |           | 1 Ea | Rp         | 365.909       |
| 18 | Day 4-5 #S1 (06 Inch 792/1200 ml & 02 Inch 774/1200 ml) |         |    | Rp 18.851.764 |      | Rp 11.166.683 |           |      | Rp 365.909 | Rp 30.384.356 |
|    | *Argon  | 1 Pcs   | Rp | 60.000        |      |               |           |      |            |               |
|    | *CS Band-it   | 22 M    | Rp | 1.224.007     |      |               |           |      |            |               |
|    | *CS Clamp   | 22 Pcs  | Rp | 583.200       |      |               |           |      |            |               |
|    | *Electrode  | 21 Pcs  | Rp | 35.007        |      |               |           |      |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp | 84.000        |      |               |           |      |            |               |
|    | *Solar Industri   | 837 Ltr | Rp | 16.865.550    |      |               |           |      |            |               |
|    | *Barge Master   |         |    |               | 11 h | Rp            | 249.997   |      |            |               |
|    | *Crane Operator (2)                                     |         |    |               | 11 h | Rp            | 660.000   |      |            |               |
|    | *Driver Seatruck  |         |    |               | 11 h | Rp            | 200.002   |      |            |               |
|    | *Elektrik   |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *Fitter (2)   |         |    |               | 11 h | Rp            | 640.002   |      |            |               |
|    | *Foreman  |         |    |               | 11 h | Rp            | 343.332   |      |            |               |
|    | *Foreman Rigger   |         |    |               | 11 h | Rp            | 333.333   |      |            |               |
|    | *Helper (4)   |         |    |               | 11 h | Rp            | 1.253.340 |      |            |               |
|    | *Helper Seatruck (2)                                    |         |    |               | 11 h | Rp            | 626.670   |      |            |               |
|    | *Koki   |         |    |               | 11 h | Rp            | 66.671    |      |            |               |
|    | *Medik  |         |    |               | 11 h | Rp            | 166.672   |      |            |               |
|    | *Mekank   |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *NDT  |         |    |               | 11 h | Rp            | 1.249.996 |      |            |               |
|    | *Office Boy   |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *Painter  |         |    |               | 11 h | Rp            | 320.001   |      |            |               |
|    | *Radio Operator   |         |    |               | 11 h | Rp            | 233.332   |      |            |               |
|    | *Rigger (3)   |         |    |               | 11 h | Rp            | 960.003   |      |            |               |
|    | *Safetyman  |         |    |               | 11 h | Rp            | 313.335   |      |            |               |
|    | *Welder (3)   |         |    |               | 11 h | Rp            | 1.059.993 |      |            |               |
|    | *QC/WI  |         |    |               | 11 h | Rp            | 249.997   |      |            |               |
|    | *Winch Operator (4)                                     |         |    |               | 11 h | Rp            | 1.280.004 |      |            |               |
|    | *Bend-it Tensioner                                      |         |    |               |      |               |           | 1 Ea | Rp         | 365.909       |

|    |   |         |    |               |      |               |           |            |               |
|----|---|---------|----|---------------|------|---------------|-----------|------------|---------------|
| 19 | Day 4-5 #S2 (06 Inch 900/1200 ml & 02 Inch 882/1200 ml)   |         |    | Rp 18.851.764 |      | Rp 11.166.683 |           | Rp 365.909 | Rp 30.384.356 |
|    | *Argon  | 1 Pcs   | Rp | 60.000        |      |               |           |            |               |
|    | *CS Band-it   | 22 M    | Rp | 1.224.007     |      |               |           |            |               |
|    | *CS Clamp   | 22 Pcs  | Rp | 583.200       |      |               |           |            |               |
|    | *Electrode  | 21 Pcs  | Rp | 35.007        |      |               |           |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp | 84.000        |      |               |           |            |               |
|    | *Solar Industri   | 837 Ltr | Rp | 16.865.550    |      |               |           |            |               |
|    | *Barge Master   |         |    |               | 11 h | Rp            | 249.997   |            |               |
|    | *Crane Operator (2)                                       |         |    |               | 11 h | Rp            | 660.000   |            |               |
|    | *Driver Seatruck  |         |    |               | 11 h | Rp            | 200.002   |            |               |
|    | *Elektrik   |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *Fitter (2)   |         |    |               | 11 h | Rp            | 640.002   |            |               |
|    | *Foreman  |         |    |               | 11 h | Rp            | 343.332   |            |               |
|    | *Foreman Rigger   |         |    |               | 11 h | Rp            | 333.333   |            |               |
|    | *Helper (4)   |         |    |               | 11 h | Rp            | 1.253.340 |            |               |
|    | *Helper Seatruck (2)                                      |         |    |               | 11 h | Rp            | 626.670   |            |               |
|    | *Koki   |         |    |               | 11 h | Rp            | 66.671    |            |               |
|    | *Medik  |         |    |               | 11 h | Rp            | 166.672   |            |               |
|    | *Mekanik  |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *NDT  |         |    |               | 11 h | Rp            | 1.249.996 |            |               |
|    | *Office Boy   |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *Painter  |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *Radio Operator   |         |    |               | 11 h | Rp            | 233.332   |            |               |
|    | *Rigger (3)   |         |    |               | 11 h | Rp            | 960.003   |            |               |
|    | *Safetyman  |         |    |               | 11 h | Rp            | 313.335   |            |               |
|    | *Welder (3)   |         |    |               | 11 h | Rp            | 1.059.993 |            |               |
|    | *QC/WI  |         |    |               | 11 h | Rp            | 249.997   |            |               |
|    | *Winch Operator (4)                                       |         |    |               | 11 h | Rp            | 1.280.004 |            |               |
|    | *Bend-it Tensioner  |         |    |               |      |               |           | 1 Ea       | Rp 365.909    |
| 20 | Day 5-6 #S1 (06 Inch 1008/1200 ml & 02 Inch 990/1200 ml)  |         |    | Rp 18.851.764 |      | Rp 11.166.683 |           | Rp 365.909 | Rp 30.384.356 |
|    | *Argon  | 1 Pcs   | Rp | 60.000        |      |               |           |            |               |
|    | *CS Band-it   | 22 M    | Rp | 1.224.007     |      |               |           |            |               |
|    | *CS Clamp   | 22 Pcs  | Rp | 583.200       |      |               |           |            |               |
|    | *Electrode  | 21 Pcs  | Rp | 35.007        |      |               |           |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp | 84.000        |      |               |           |            |               |
|    | *Solar Industri   | 837 Ltr | Rp | 16.865.550    |      |               |           |            |               |
|    | *Barge Master   |         |    |               | 11 h | Rp            | 249.997   |            |               |
|    | *Crane Operator (2)                                       |         |    |               | 11 h | Rp            | 660.000   |            |               |
|    | *Driver Seatruck  |         |    |               | 11 h | Rp            | 200.002   |            |               |
|    | *Elektrik   |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *Fitter (2)   |         |    |               | 11 h | Rp            | 640.002   |            |               |
|    | *Foreman  |         |    |               | 11 h | Rp            | 343.332   |            |               |
|    | *Foreman Rigger   |         |    |               | 11 h | Rp            | 333.333   |            |               |
|    | *Helper (4)   |         |    |               | 11 h | Rp            | 1.253.340 |            |               |
|    | *Helper Seatruck (2)                                      |         |    |               | 11 h | Rp            | 626.670   |            |               |
|    | *Koki   |         |    |               | 11 h | Rp            | 66.671    |            |               |
|    | *Medik  |         |    |               | 11 h | Rp            | 166.672   |            |               |
|    | *Mekanik  |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *NDT  |         |    |               | 11 h | Rp            | 1.249.996 |            |               |
|    | *Office Boy   |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *Painter  |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *Radio Operator   |         |    |               | 11 h | Rp            | 233.332   |            |               |
|    | *Rigger (3)   |         |    |               | 11 h | Rp            | 960.003   |            |               |
|    | *Safetyman  |         |    |               | 11 h | Rp            | 313.335   |            |               |
|    | *Welder (3)   |         |    |               | 11 h | Rp            | 1.059.993 |            |               |
|    | *QC/WI  |         |    |               | 11 h | Rp            | 249.997   |            |               |
|    | *Winch Operator (4)                                       |         |    |               | 11 h | Rp            | 1.280.004 |            |               |
|    | *Bend-it Tensioner  |         |    |               |      |               |           | 1 Ea       | Rp 365.909    |
| 21 | Day 5-6 #S2 (06 Inch 1116/1200 ml & 02 Inch 1098/1200 ml) |         |    | Rp 18.851.764 |      | Rp 11.166.683 |           | Rp 365.909 | Rp 30.384.356 |
|    | *Argon  | 1 Pcs   | Rp | 60.000        |      |               |           |            |               |
|    | *CS Band-it   | 22 M    | Rp | 1.224.007     |      |               |           |            |               |
|    | *CS Clamp   | 22 Pcs  | Rp | 583.200       |      |               |           |            |               |
|    | *Electrode  | 21 Pcs  | Rp | 35.007        |      |               |           |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp | 84.000        |      |               |           |            |               |
|    | *Solar Industri   | 837 Ltr | Rp | 16.865.550    |      |               |           |            |               |
|    | *Barge Master   |         |    |               | 11 h | Rp            | 249.997   |            |               |
|    | *Crane Operator (2)                                       |         |    |               | 11 h | Rp            | 660.000   |            |               |
|    | *Driver Seatruck  |         |    |               | 11 h | Rp            | 200.002   |            |               |
|    | *Elektrik   |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *Fitter (2)   |         |    |               | 11 h | Rp            | 640.002   |            |               |
|    | *Foreman  |         |    |               | 11 h | Rp            | 343.332   |            |               |
|    | *Foreman Rigger   |         |    |               | 11 h | Rp            | 333.333   |            |               |
|    | *Helper (4)   |         |    |               | 11 h | Rp            | 1.253.340 |            |               |
|    | *Helper Seatruck (2)                                      |         |    |               | 11 h | Rp            | 626.670   |            |               |
|    | *Koki   |         |    |               | 11 h | Rp            | 66.671    |            |               |
|    | *Medik  |         |    |               | 11 h | Rp            | 166.672   |            |               |
|    | *Mekanik  |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *NDT  |         |    |               | 11 h | Rp            | 1.249.996 |            |               |
|    | *Office Boy   |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *Painter  |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *Radio Operator   |         |    |               | 11 h | Rp            | 233.332   |            |               |
|    | *Rigger (3)   |         |    |               | 11 h | Rp            | 960.003   |            |               |
|    | *Safetyman  |         |    |               | 11 h | Rp            | 313.335   |            |               |
|    | *Welder (3)   |         |    |               | 11 h | Rp            | 1.059.993 |            |               |
|    | *QC/WI  |         |    |               | 11 h | Rp            | 249.997   |            |               |
|    | *Winch Operator (4)                                       |         |    |               | 11 h | Rp            | 1.280.004 |            |               |
|    | *Bend-it Tensioner  |         |    |               |      |               |           | 1 Ea       | Rp 365.909    |
| 22 | Day 6 #S1 (06 Inch 1200/1200 ml & 02 Inch 1200/1200 ml)   |         |    | Rp 20.868.862 |      | Rp 11.166.683 |           | Rp 365.909 | Rp 32.401.454 |
|    | *Argon  | 1 Pcs   | Rp | 60.000        |      |               |           |            |               |
|    | *CS Band-it   | 14 M    | Rp | 816.005       |      |               |           |            |               |
|    | *CS Clamp   | 29 Pcs  | Rp | 388.800       |      |               |           |            |               |
|    | *Electrode  | 21 Pcs  | Rp | 35.007        |      |               |           |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp | 84.000        |      |               |           |            |               |
|    | *Solar Industri   | 967 Ltr | Rp | 19.485.050    |      |               |           |            |               |
|    | *Barge Master   |         |    |               | 11 h | Rp            | 249.997   |            |               |
|    | *Crane Operator (2)                                       |         |    |               | 11 h | Rp            | 660.000   |            |               |
|    | *Driver Seatruck  |         |    |               | 11 h | Rp            | 200.002   |            |               |
|    | *Elektrik   |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *Fitter (2)   |         |    |               | 11 h | Rp            | 640.002   |            |               |
|    | *Foreman  |         |    |               | 11 h | Rp            | 343.332   |            |               |
|    | *Foreman Rigger   |         |    |               | 11 h | Rp            | 333.333   |            |               |
|    | *Helper (4)   |         |    |               | 11 h | Rp            | 1.253.340 |            |               |
|    | *Helper Seatruck (2)                                      |         |    |               | 11 h | Rp            | 626.670   |            |               |
|    | *Koki   |         |    |               | 11 h | Rp            | 66.671    |            |               |
|    | *Medik  |         |    |               | 11 h | Rp            | 166.672   |            |               |
|    | *Mekanik  |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *NDT  |         |    |               | 11 h | Rp            | 1.249.996 |            |               |
|    | *Office Boy   |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *Painter  |         |    |               | 11 h | Rp            | 320.001   |            |               |
|    | *Radio Operator   |         |    |               | 11 h | Rp            | 233.332   |            |               |
|    | *Rigger (3)   |         |    |               | 11 h | Rp            | 960.003   |            |               |
|    | *Safetyman  |         |    |               | 11 h | Rp            | 313.335   |            |               |
|    | *Welder (3)   |         |    |               | 11 h | Rp            | 1.059.993 |            |               |
|    | *QC/WI  |         |    |               | 11 h | Rp            | 249.997   |            |               |
|    | *Winch Operator (4)                                       |         |    |               | 11 h | Rp            | 1.280.004 |            |               |
|    | *Bend-it Tensioner  |         |    |               |      |               |           | 1 Ea       | Rp 365.909    |

|    |  |      |     |    |            |  |  |       |            |    |           |    |         |    |            |         |
|----|--|------|-----|----|------------|--|--|-------|------------|----|-----------|----|---------|----|------------|---------|
| 23 | Continue Day 6 #S2 (06 Inch 1200/1200 ml & 02 Inch 1200/1200 ml) |      |     | Rp | 1.952.802  |  |  | Rp    | 868.943    |    |           | Rp | 365.909 | Rp | 3.187.654  |         |
|    | *CS Band-it  | 6    | M   | Rp | 340.002    |  |  |       |            |    |           |    |         |    |            |         |
|    | *CS Clamp  | 12   | Pcs | Rp | 162.000    |  |  |       |            |    |           |    |         |    |            |         |
|    | *Solar Industri  | 72   | Ltr | Rp | 1.450.800  |  |  |       |            |    |           |    |         |    |            |         |
|    | *Barge Master  |      |     |    |            |  |  | 1,15  | h          | Rp | 28.409    |    |         |    |            |         |
|    | *Crane Operator (2)  |      |     |    |            |  |  | 1,15  | h          | Rp | 75.000    |    |         |    |            |         |
|    | *Driver Seatruck   |      |     |    |            |  |  | 1,15  | h          | Rp | 22.727    |    |         |    |            |         |
|    | *Elektrik  |      |     |    |            |  |  | 1,15  | h          | Rp | 36.364    |    |         |    |            |         |
|    | *Foreman   |      |     |    |            |  |  | 1,15  | h          | Rp | 39.015    |    |         |    |            |         |
|    | *Foreman Rigger  |      |     |    |            |  |  | 1,15  | h          | Rp | 37.879    |    |         |    |            |         |
|    | *Helper (4)  |      |     |    |            |  |  | 1,15  | h          | Rp | 142.424   |    |         |    |            |         |
|    | *Helper Seatruck (2)   |      |     |    |            |  |  | 1,15  | h          | Rp | 71.212    |    |         |    |            |         |
|    | *Koki  |      |     |    |            |  |  | 1,15  | h          | Rp | 7.576     |    |         |    |            |         |
|    | *Medik   |      |     |    |            |  |  | 1,15  | h          | Rp | 18.940    |    |         |    |            |         |
|    | *Mekaniik  |      |     |    |            |  |  | 1,15  | h          | Rp | 36.364    |    |         |    |            |         |
|    | *Office Boy  |      |     |    |            |  |  | 1,15  | h          | Rp | 36.364    |    |         |    |            |         |
|    | *Radio Operator  |      |     |    |            |  |  | 1,15  | h          | Rp | 26.515    |    |         |    |            |         |
|    | *Rigger (3)  |      |     |    |            |  |  | 1,15  | h          | Rp | 109.092   |    |         |    |            |         |
|    | *Safetyman   |      |     |    |            |  |  | 1,15  | h          | Rp | 35.606    |    |         |    |            |         |
|    | *Winch Operator (4)  |      |     |    |            |  |  | 1,15  | h          | Rp | 145.456   |    |         |    |            |         |
|    | *Bend-it Tensioner   |      |     |    |            |  |  |       |            |    |           | 1  | Ea      | Rp | 365.909    |         |
| 24 | Day 7 Sec. 1-3 (657,1200 ml)                                     |      |     | Rp | 17.429.750 |  |  | Rp    | 2.361.825  |    |           | Rp | 700.000 | Rp | 20.491.575 |         |
|    | *Solar Industri  | 865  | Ltr | Rp | 17.429.750 |  |  |       |            |    |           |    |         |    |            |         |
|    | *Elektrik  |      |     |    |            |  |  | 9     | h          | Rp | 261.819   |    |         |    |            |         |
|    | *Foreman Rigger  |      |     |    |            |  |  | 9     | h          | Rp | 272.727   |    |         |    |            |         |
|    | *Mekaniik  |      |     |    |            |  |  | 9     | h          | Rp | 261.819   |    |         |    |            |         |
|    | *Operator Swamp Backhoe (2)                                      |      |     |    |            |  |  | 9     | h          | Rp | 523.638   |    |         |    |            |         |
|    | *Rigger (3)  |      |     |    |            |  |  | 9     | h          | Rp | 785.457   |    |         |    |            |         |
|    | *Safetyman   |      |     |    |            |  |  | 9     | h          | Rp | 256.365   |    | 1       | d  | Rp         | 700.000 |
|    | *Wooden Boat   |      |     |    |            |  |  |       |            |    |           |    |         |    |            |         |
| 25 | Day 8 Sec. 4-5 (1095/1200 ml)                                    |      |     | Rp | 18.235.750 |  |  | Rp    | 2.821.067  |    |           | Rp | 700.000 | Rp | 21.756.817 |         |
|    | *Solar Industri  | 905  | Ltr | Rp | 18.235.750 |  |  |       |            |    |           |    |         |    |            |         |
|    | *Elektrik  |      |     |    |            |  |  | 11,45 | h          | Rp | 312.728   |    |         |    |            |         |
|    | *Foreman Rigger  |      |     |    |            |  |  | 11,45 | h          | Rp | 325.757   |    |         |    |            |         |
|    | *Mekaniik  |      |     |    |            |  |  | 11,45 | h          | Rp | 312.728   |    |         |    |            |         |
|    | *Operator Swamp Backhoe (2)                                      |      |     |    |            |  |  | 11,45 | h          | Rp | 625.456   |    |         |    |            |         |
|    | *Rigger (3)  |      |     |    |            |  |  | 11,45 | h          | Rp | 938.184   |    |         |    |            |         |
|    | *Safetyman   |      |     |    |            |  |  | 11,45 | h          | Rp | 306.214   |    | 1       | d  | Rp         | 700.000 |
|    | *Wooden Boat   |      |     |    |            |  |  |       |            |    |           |    |         |    |            |         |
| 26 | Install Dogleg   |      |     | Rp | 32.308.055 |  |  | Rp    | 40.146.405 |    |           | Rp | -       | Rp | 72.454.460 |         |
|    | *Electrode   | 65   | Pcs | Rp | 108.355    |  |  |       |            |    |           |    |         |    |            |         |
|    | *Solar Industri  | 1598 | Ltr | Rp | 32.199.700 |  |  |       |            |    |           |    |         |    |            |         |
|    | *Barge Master  |      |     |    |            |  |  | 39    | h          | Rp | 886.353   |    |         |    |            |         |
|    | *Crane Operator (2)  |      |     |    |            |  |  | 39    | h          | Rp | 2.340.000 |    |         |    |            |         |
|    | *Elektrik  |      |     |    |            |  |  | 39    | h          | Rp | 1.134.549 |    |         |    |            |         |
|    | *Fitter (2)  |      |     |    |            |  |  | 39    | h          | Rp | 2.269.098 |    |         |    |            |         |
|    | *Foreman   |      |     |    |            |  |  | 39    | h          | Rp | 1.217.268 |    |         |    |            |         |
|    | *Foreman Rigger  |      |     |    |            |  |  | 39    | h          | Rp | 1.181.817 |    |         |    |            |         |
|    | *Helper (4)  |      |     |    |            |  |  | 39    | h          | Rp | 4.443.660 |    |         |    |            |         |
|    | *Inspector Scaffolder  |      |     |    |            |  |  | 39    | h          | Rp | 1.217.268 |    |         |    |            |         |
|    | *Koki  |      |     |    |            |  |  | 39    | h          | Rp | 236.379   |    |         |    |            |         |
|    | *Medik   |      |     |    |            |  |  | 39    | h          | Rp | 590.928   |    |         |    |            |         |
|    | *Mekaniik  |      |     |    |            |  |  | 39    | h          | Rp | 1.134.549 |    |         |    |            |         |
|    | *NDT   |      |     |    |            |  |  | 39    | h          | Rp | 4.431.804 |    |         |    |            |         |
|    | *Office Boy  |      |     |    |            |  |  | 39    | h          | Rp | 1.134.549 |    |         |    |            |         |
|    | *Painter   |      |     |    |            |  |  | 39    | h          | Rp | 1.134.549 |    |         |    |            |         |
|    | *Radio Operator  |      |     |    |            |  |  | 39    | h          | Rp | 827.268   |    |         |    |            |         |
|    | *Rigger (3)  |      |     |    |            |  |  | 39    | h          | Rp | 3.403.647 |    |         |    |            |         |
|    | *Safetyman   |      |     |    |            |  |  | 39    | h          | Rp | 1.110.915 |    |         |    |            |         |
|    | *Scaffolder (2)  |      |     |    |            |  |  | 39    | h          | Rp | 2.269.098 |    |         |    |            |         |
|    | *Welder (3)  |      |     |    |            |  |  | 39    | h          | Rp | 3.758.157 |    |         |    |            |         |
|    | *QC/WI   |      |     |    |            |  |  | 39    | h          | Rp | 886.353   |    |         |    |            |         |
|    | *Winch Operator (4)  |      |     |    |            |  |  | 39    | h          | Rp | 4.538.196 |    |         |    |            |         |
| 27 | Install Riser  |      |     | Rp | 32.273.048 |  |  | Rp    | 39.117.010 |    |           | Rp | -       | Rp | 71.390.058 |         |
|    | *Electrode   | 44   | Pcs | Rp | 73.348     |  |  |       |            |    |           |    |         |    |            |         |
|    | *Solar Industri  | 1598 | Ltr | Rp | 32.199.700 |  |  |       |            |    |           |    |         |    |            |         |
|    | *Barge Master  |      |     |    |            |  |  | 38    | h          | Rp | 863.626   |    |         |    |            |         |
|    | *Crane Operator (2)  |      |     |    |            |  |  | 38    | h          | Rp | 2.280.000 |    |         |    |            |         |
|    | *Elektrik  |      |     |    |            |  |  | 38    | h          | Rp | 1.105.458 |    |         |    |            |         |
|    | *Fitter (2)  |      |     |    |            |  |  | 38    | h          | Rp | 2.210.916 |    |         |    |            |         |
|    | *Foreman   |      |     |    |            |  |  | 38    | h          | Rp | 1.186.056 |    |         |    |            |         |
|    | *Foreman Rigger  |      |     |    |            |  |  | 38    | h          | Rp | 1.151.514 |    |         |    |            |         |
|    | *Helper (4)  |      |     |    |            |  |  | 38    | h          | Rp | 4.329.720 |    |         |    |            |         |
|    | *Inspector Scaffolder  |      |     |    |            |  |  | 38    | h          | Rp | 1.186.056 |    |         |    |            |         |
|    | *Koki  |      |     |    |            |  |  | 38    | h          | Rp | 230.318   |    |         |    |            |         |
|    | *Medik   |      |     |    |            |  |  | 38    | h          | Rp | 575.776   |    |         |    |            |         |
|    | *Mekaniik  |      |     |    |            |  |  | 38    | h          | Rp | 1.105.458 |    |         |    |            |         |
|    | *NDT   |      |     |    |            |  |  | 38    | h          | Rp | 4.318.168 |    |         |    |            |         |
|    | *Office Boy  |      |     |    |            |  |  | 38    | h          | Rp | 1.105.458 |    |         |    |            |         |
|    | *Painter   |      |     |    |            |  |  | 38    | h          | Rp | 1.105.458 |    |         |    |            |         |
|    | *Radio Operator  |      |     |    |            |  |  | 38    | h          | Rp | 806.056   |    |         |    |            |         |
|    | *Rigger (3)  |      |     |    |            |  |  | 38    | h          | Rp | 3.316.374 |    |         |    |            |         |
|    | *Safetyman   |      |     |    |            |  |  | 38    | h          | Rp | 1.082.430 |    |         |    |            |         |
|    | *Scaffolder (2)  |      |     |    |            |  |  | 38    | h          | Rp | 2.210.916 |    |         |    |            |         |
|    | *Welder (3)  |      |     |    |            |  |  | 38    | h          | Rp | 3.661.794 |    |         |    |            |         |
|    | *QC/WI   |      |     |    |            |  |  | 38    | h          | Rp | 863.626   |    |         |    |            |         |
|    | *Winch Operator (4)  |      |     |    |            |  |  | 38    | h          | Rp | 4.421.832 |    |         |    |            |         |
| 28 | Preparation for Flushing, Pigging & Dewatering                   |      |     | Rp | 7.918.950  |  |  | Rp    | 3.113.341  |    |           | Rp | -       | Rp | 11.032.291 |         |
|    | *Solar Industri  | 393  | Ltr | Rp | 7.918.950  |  |  |       |            |    |           |    |         |    |            |         |
|    | *Elektrik  |      |     |    |            |  |  | 11    | h          | Rp | 320.001   |    |         |    |            |         |
|    | *Foreman   |      |     |    |            |  |  | 11    | h          | Rp | 343.332   |    |         |    |            |         |
|    | *Helper (5)  |      |     |    |            |  |  | 11    | h          | Rp | 1.566.675 |    |         |    |            |         |
|    | *Mekaniik  |      |     |    |            |  |  | 11    | h          | Rp | 320.001   |    |         |    |            |         |
|    | *Safetyman   |      |     |    |            |  |  | 11    | h          | Rp | 313.335   |    |         |    |            |         |
|    | *QC/WI   |      |     |    |            |  |  | 11    | h          | Rp | 249.997   |    |         |    |            |         |
| 29 | Flushing & Pigging Work  |      |     | Rp | 24.683.750 |  |  | Rp    | 6.226.682  |    |           | Rp | -       | Rp | 30.910.432 |         |
|    | *Solar Industri  | 1225 | Ltr | Rp | 24.683.750 |  |  |       |            |    |           |    |         |    |            |         |
|    | *Elektrik  |      |     |    |            |  |  | 22    | h          | Rp | 640.002   |    |         |    |            |         |
|    | *Foreman   |      |     |    |            |  |  | 22    | h          | Rp | 686.664   |    |         |    |            |         |
|    | *Helper (5)  |      |     |    |            |  |  | 22    | h          | Rp | 3.133.350 |    |         |    |            |         |
|    | *Mekaniik  |      |     |    |            |  |  | 22    | h          | Rp | 640.002   |    |         |    |            |         |
|    | *Safetyman   |      |     |    |            |  |  | 22    | h          | Rp | 626.670   |    |         |    |            |         |
|    | *QC/WI   |      |     |    |            |  |  | 22    | h          | Rp | 499.994   |    |         |    |            |         |
| 30 | Pie-Hydrotest  |      |     | Rp | 7.918.950  |  |  | Rp    | 3.113.341  |    |           | Rp | -       | Rp | 11.032.291 |         |
|    | *Solar Industri  | 393  | Ltr | Rp | 7.918.950  |  |  |       |            |    |           |    |         |    |            |         |
|    | *Elektrik  |      |     |    |            |  |  | 11    | h          | Rp | 320.001   |    |         |    |            |         |
|    | *Foreman   |      |     |    |            |  |  | 11    | h          | Rp | 343.332   |    |         |    |            |         |
|    | *Helper (5)  |      |     |    |            |  |  | 11    | h          | Rp | 1.566.675 |    |         |    |            |         |
|    | *Mekaniik  |      |     |    |            |  |  | 11    | h          | Rp | 320.001   |    |         |    |            |         |
|    | *Safetyman   |      |     |    |            |  |  | 11    | h          | Rp | 313.335   |    |         |    |            |         |
|    | *QC/WI   |      |     |    |            |  |  | 11    | h          | Rp | 249.997   |    |         |    |            |         |

|    |                                     |      |     |               |      |   |               |  |  |               |
|----|-------------------------------------|------|-----|---------------|------|---|---------------|--|--|---------------|
| 31 | Hydrotest 06 Inch Pipeline          |      |     | Rp 74.051.250 |      |   | Rp 18.680.046 |  |  | Rp 92.731.296 |
|    | *Solar Industri                     | 3675 | Ltr | Rp 74.051.250 |      |   |               |  |  |               |
|    | *Elektrik                           |      |     |               | 66   | h | Rp 1.920.006  |  |  |               |
|    | *Foreman                            |      |     |               | 66   | h | Rp 2.059.992  |  |  |               |
|    | *Helper (5)                         |      |     |               | 66   | h | Rp 9.400.050  |  |  |               |
|    | *Mekanik                            |      |     |               | 66   | h | Rp 1.920.006  |  |  |               |
|    | *Safetyman                          |      |     |               | 66   | h | Rp 1.880.010  |  |  |               |
|    | *QC/WI                              |      |     |               | 66   | h | Rp 1.499.982  |  |  |               |
| 32 | Hydrotest 02 Inch IG Pipeline       |      |     | Rp 24.683.750 |      |   | Rp 6.226.682  |  |  | Rp 30.910.432 |
|    | *Solar Industri                     | 1225 | Ltr | Rp 24.683.750 |      |   |               |  |  |               |
|    | *Elektrik                           |      |     |               | 22   | h | Rp 640.002    |  |  |               |
|    | *Foreman                            |      |     |               | 22   | h | Rp 686.664    |  |  |               |
|    | *Helper (5)                         |      |     |               | 22   | h | Rp 3.133.350  |  |  |               |
|    | *Mekanik                            |      |     |               | 22   | h | Rp 640.002    |  |  |               |
|    | *Safetyman                          |      |     |               | 22   | h | Rp 626.670    |  |  |               |
|    | *QC/WI                              |      |     |               | 22   | h | Rp 499.994    |  |  |               |
| 33 | Dewatering 06 Inch Pipeline         |      |     | Rp 24.683.750 |      |   | Rp 6.226.682  |  |  | Rp 30.910.432 |
|    | *Solar Industri                     | 1225 | Ltr | Rp 24.683.750 |      |   |               |  |  |               |
|    | *Elektrik                           |      |     |               | 22   | h | Rp 640.002    |  |  |               |
|    | *Foreman                            |      |     |               | 22   | h | Rp 686.664    |  |  |               |
|    | *Helper (5)                         |      |     |               | 22   | h | Rp 3.133.350  |  |  |               |
|    | *Mekanik                            |      |     |               | 22   | h | Rp 640.002    |  |  |               |
|    | *Safetyman                          |      |     |               | 22   | h | Rp 626.670    |  |  |               |
|    | *QC/WI                              |      |     |               | 22   | h | Rp 499.994    |  |  |               |
| 34 | Dewatering 02 Inch IG Pipeline      |      |     | Rp 12.351.950 |      |   | Rp 3.113.341  |  |  | Rp 15.465.291 |
|    | *Solar Industri                     | 613  | Ltr | Rp 12.351.950 |      |   |               |  |  |               |
|    | *Elektrik                           |      |     |               | 11   | h | Rp 320.001    |  |  |               |
|    | *Foreman                            |      |     |               | 11   | h | Rp 343.332    |  |  |               |
|    | *Helper (5)                         |      |     |               | 11   | h | Rp 1.566.675  |  |  |               |
|    | *Mekanik                            |      |     |               | 11   | h | Rp 320.001    |  |  |               |
|    | *Safetyman                          |      |     |               | 11   | h | Rp 313.335    |  |  |               |
|    | *QC/WI                              |      |     |               | 11   | h | Rp 249.997    |  |  |               |
| 35 | Day 1 Backfill Work (330/1200 ml)   |      |     | Rp 18.336.500 |      |   | Rp 1.760.011  |  |  | Rp 20.096.511 |
|    | *Solar Industri                     | 910  | Ltr | Rp 18.336.500 |      |   |               |  |  |               |
|    | *Elektrik                           |      |     |               | 11   | h | Rp 320.001    |  |  |               |
|    | *Medik                              |      |     |               | 11   | h | Rp 166.672    |  |  |               |
|    | *Mekanik                            |      |     |               | 11   | h | Rp 320.001    |  |  |               |
|    | *Operator Swamp Backhoe (2)         |      |     |               | 11   | h | Rp 640.002    |  |  |               |
|    | *Safetyman                          |      |     |               | 11   | h | Rp 313.335    |  |  |               |
| 36 | Day 2 Backfill Work (660/1200 ml)   |      |     | Rp 18.336.500 |      |   | Rp 1.760.011  |  |  | Rp 20.096.511 |
|    | *Solar Industri                     | 910  | Ltr | Rp 18.336.500 |      |   |               |  |  |               |
|    | *Elektrik                           |      |     |               | 11   | h | Rp 320.001    |  |  |               |
|    | *Medik                              |      |     |               | 11   | h | Rp 166.672    |  |  |               |
|    | *Mekanik                            |      |     |               | 11   | h | Rp 320.001    |  |  |               |
|    | *Operator Swamp Backhoe (2)         |      |     |               | 11   | h | Rp 640.002    |  |  |               |
|    | *Safetyman                          |      |     |               | 11   | h | Rp 313.335    |  |  |               |
| 37 | Day 3 Backfill Work (990/1200 ml)   |      |     | Rp 18.336.500 |      |   | Rp 1.760.011  |  |  | Rp 20.096.511 |
|    | *Solar Industri                     | 910  | Ltr | Rp 18.336.500 |      |   |               |  |  |               |
|    | *Elektrik                           |      |     |               | 11   | h | Rp 320.001    |  |  |               |
|    | *Medik                              |      |     |               | 11   | h | Rp 166.672    |  |  |               |
|    | *Mekanik                            |      |     |               | 11   | h | Rp 320.001    |  |  |               |
|    | *Operator Swamp Backhoe (2)         |      |     |               | 11   | h | Rp 640.002    |  |  |               |
|    | *Safetyman                          |      |     |               | 11   | h | Rp 313.335    |  |  |               |
| 38 | Day 4 Backfill Work (1200/1200 ml)  |      |     | Rp 16.402.100 |      |   | Rp 1.080.006  |  |  | Rp 17.482.106 |
|    | *Solar Industri                     | 814  | Ltr | Rp 16.402.100 |      |   |               |  |  |               |
|    | *Elektrik                           |      |     |               | 7,45 | h | Rp 196.364    |  |  |               |
|    | *Medik                              |      |     |               | 7,45 | h | Rp 102.276    |  |  |               |
|    | *Mekanik                            |      |     |               | 7,45 | h | Rp 196.364    |  |  |               |
|    | *Operator Swamp Backhoe (2)         |      |     |               | 7,45 | h | Rp 392.728    |  |  |               |
|    | *Safetyman                          |      |     |               | 7,45 | h | Rp 192.274    |  |  |               |
| 39 | Demobilization Barge + Posonon      |      |     | Rp 53.538.550 |      |   | Rp 2.214.548  |  |  | Rp 55.753.098 |
|    | *Solar Industri                     | 2657 | Ltr | Rp 53.538.550 |      |   |               |  |  |               |
|    | *Barge Master                       |      |     |               | 28   | h | Rp 636.356    |  |  |               |
|    | *Koki                               |      |     |               | 28   | h | Rp 169.708    |  |  |               |
|    | *Office Boy                         |      |     |               | 28   | h | Rp 814.548    |  |  |               |
|    | *Radio Operator                     |      |     |               | 28   | h | Rp 593.936    |  |  |               |
| 40 | Demobilization Swamp Backhoe by LCT |      |     | Rp 74.756.500 |      |   |               |  |  | Rp 74.756.500 |
|    | *Solar Industri                     | 3710 | Ltr | Rp 74.756.500 |      |   |               |  |  |               |

Lampiran 4 Tabel Perhitungan Biaya Instalasi *Pipeline* Menggunakan Metode *Push Pull*

| NO | ITEM PEKERJAAN   | CONSUMABLE  |      |               | LABOR       |      |              | NON-LABOR   |      |             | CUMMULATIVE COST |
|----|--|-------------|------|---------------|-------------|------|--------------|-------------|------|-------------|------------------|
|    |  | BUDGER UNIT | UNIT | BUDGET COST   | BUDGER UNIT | UNIT | BUDGET COST  | BUDGER UNIT | UNIT | BUDGET COST |                  |
| 1  | Mobilization, Positioning LCT & Movement Swamp Backhoe |             |      | Rp 74.756.500 |             |      |              |             |      |             | Rp 1.455.648.945 |
|    | *Solar Industri  | 3710        | Ltr  | Rp 74.756.500 |             |      |              |             |      |             | Rp 74.756.500    |
| 2  | Install Pile Guide for Standby Swamp Backhoe           |             |      | Rp 7.052.500  |             |      | Rp 1.273.338 |             |      |             | Rp 8.325.838     |
|    | *Solar Industri  | 350         | Ltr  | Rp 7.052.500  |             |      |              |             |      |             |                  |
|    | *Operator Swamp Backhoe (1)                            |             |      |               | 11          | h    | Rp 320.001   |             |      |             |                  |
|    | *Safetyman   |             |      |               | 11          | h    | Rp 313.335   |             |      |             |                  |
|    | *Mekanik   |             |      |               | 11          | h    | Rp 320.001   |             |      |             |                  |
|    | *Elektrik  |             |      |               | 11          | h    | Rp 320.001   |             |      |             |                  |
| 3  | Day 1 Trench Work (220/1200 ml)                        |             |      | Rp 7.052.500  |             |      | Rp 1.760.011 |             |      | Rp 700.000  | Rp 9.512.511     |
|    | *Solar Industri  | 350         | Ltr  | Rp 7.052.500  |             |      |              |             |      |             |                  |
|    | *Operator Swamp Backhoe (2)                            |             |      |               | 11          | h    | Rp 640.002   |             |      |             |                  |
|    | *Safetyman   |             |      |               | 11          | h    | Rp 313.335   |             |      |             |                  |
|    | *Mekanik   |             |      |               | 11          | h    | Rp 320.001   |             |      |             |                  |
|    | *Elektrik  |             |      |               | 11          | h    | Rp 320.001   |             |      |             |                  |
|    | *Medik   |             |      |               | 11          | h    | Rp 166.672   |             |      |             |                  |
|    | *Wooden Boat   |             |      |               |             |      |              | 1           | d    | Rp 700.000  |                  |
| 4  | Day 2 Trench Work (440/1200 ml)                        |             |      | Rp 7.052.500  |             |      | Rp 1.760.011 |             |      | Rp 700.000  | Rp 9.512.511     |
|    | *Solar Industri  | 350         | Ltr  | Rp 7.052.500  |             |      |              |             |      |             |                  |
|    | *Operator Swamp Backhoe (2)                            |             |      |               | 11          | h    | Rp 640.002   |             |      |             |                  |
|    | *Safetyman   |             |      |               | 11          | h    | Rp 313.335   |             |      |             |                  |
|    | *Mekanik   |             |      |               | 11          | h    | Rp 320.001   |             |      |             |                  |
|    | *Elektrik  |             |      |               | 11          | h    | Rp 320.001   |             |      |             |                  |
|    | *Medik   |             |      |               | 11          | h    | Rp 166.672   |             |      |             |                  |
|    | *Wooden Boat   |             |      |               |             |      |              | 1           | d    | Rp 700.000  |                  |
| 5  | Day 3 Trench Work (660/1200 ml)                        |             |      | Rp 7.052.500  |             |      | Rp 1.760.011 |             |      | Rp 700.000  | Rp 9.512.511     |
|    | *Solar Industri  | 350         | Ltr  | Rp 7.052.500  |             |      |              |             |      |             |                  |
|    | *Operator Swamp Backhoe (2)                            |             |      |               | 11          | h    | Rp 640.002   |             |      |             |                  |
|    | *Safetyman   |             |      |               | 11          | h    | Rp 313.335   |             |      |             |                  |
|    | *Mekanik   |             |      |               | 11          | h    | Rp 320.001   |             |      |             |                  |
|    | *Elektrik  |             |      |               | 11          | h    | Rp 320.001   |             |      |             |                  |
|    | *Medik   |             |      |               | 11          | h    | Rp 166.672   |             |      |             |                  |
|    | *Wooden Boat   |             |      |               |             |      |              | 1           | d    | Rp 700.000  |                  |

|    |   |      |               |               |               |              |            |               |
|----|---|------|---------------|---------------|---------------|--------------|------------|---------------|
| 6  | Day 4 Trench Work (880/1200 ml)                       |      | Rp 7.052.500  |               | Rp 1.760.011  |              | Rp 700.000 | Rp 9.512.511  |
|    | *Solar Industri                                       | 350  | Ltr           | Rp 7.052.500  |               |              |            |               |
|    | *Operator Swamp Backhoe (2)                           |      |               |               | 11 h          | Rp 640.002   |            |               |
|    | *Safetyman  |      |               |               | 11 h          | Rp 313.335   |            |               |
|    | *Mekanik  |      |               |               | 11 h          | Rp 320.001   |            |               |
|    | *Elektrik   |      |               |               | 11 h          | Rp 320.001   |            |               |
|    | *Medik  |      |               |               | 11 h          | Rp 166.672   |            |               |
|    | *Wooden Boat  |      |               |               |               |              | 1 d        | Rp 700.000    |
| 7  | Day 5 Trench Work (1100/1200 ml)                      |      | Rp 7.052.500  |               | Rp 1.760.011  |              | Rp 700.000 | Rp 9.512.511  |
|    | *Solar Industri                                       | 350  | Ltr           | Rp 7.052.500  |               |              |            |               |
|    | *Operator Swamp Backhoe (2)                           |      |               |               | 11 h          | Rp 640.002   |            |               |
|    | *Safetyman  |      |               |               | 11 h          | Rp 313.335   |            |               |
|    | *Mekanik  |      |               |               | 11 h          | Rp 320.001   |            |               |
|    | *Elektrik   |      |               |               | 11 h          | Rp 320.001   |            |               |
|    | *Medik  |      |               |               | 11 h          | Rp 166.672   |            |               |
|    | *Wooden Boat  |      |               |               |               |              | 1 d        | Rp 700.000    |
| 8  | Day 6 Trench Work (1200/1200 ml)                      |      | Rp 4.312.100  |               | Rp 800.005    |              | Rp 700.000 | Rp 5.812.105  |
|    | *Solar Industri                                       | 214  | Ltr           | Rp 4.312.100  |               |              |            |               |
|    | *Operator Swamp Backhoe (2)                           |      |               |               | 5 h           | Rp 290.910   |            |               |
|    | *Safetyman  |      |               |               | 5 h           | Rp 142.425   |            |               |
|    | *Mekanik  |      |               |               | 5 h           | Rp 145.455   |            |               |
|    | *Elektrik   |      |               |               | 5 h           | Rp 145.455   |            |               |
|    | *Medik  |      |               |               | 5 h           | Rp 75.760    |            |               |
|    | *Wooden Boat  |      |               |               |               |              | 1 d        | Rp 700.000    |
| 9  | Mobilization Barge + Poonton                          |      | Rp 81.748.550 |               | Rp 2.214.548  |              | Rp -       | Rp 83.963.098 |
|    | *Solar Industri                                       | 4057 | Ltr           | Rp 81.748.550 |               |              |            |               |
|    | *Barge Master   |      |               |               | 28 h          | Rp 636.356   |            |               |
|    | *Office Boy   |      |               |               | 28 h          | Rp 814.548   |            |               |
|    | *Koki   |      |               |               | 28 h          | Rp 169.708   |            |               |
|    | *Radio Operator                                       |      |               |               | 28 h          | Rp 593.936   |            |               |
| 10 | Positioning Barge + Poonton                           |      | Rp 7.838.350  |               | Rp 237.273    |              | Rp -       | Rp 8.075.623  |
|    | *Solar Industri                                       | 389  | Ltr           | Rp 7.838.350  |               |              |            |               |
|    | *Barge Master   |      |               |               | 3 h           | Rp 68.181    |            |               |
|    | *Office Boy   |      |               |               | 3 h           | Rp 87.273    |            |               |
|    | *Koki   |      |               |               | 3 h           | Rp 18.183    |            |               |
|    | *Radio Operator                                       |      |               |               | 3 h           | Rp 63.636    |            |               |
| 11 | Day 1 Work  |      | Rp 30.136.500 |               | Rp 2.886.675  |              | Rp -       | Rp 53.023.175 |
|    | *PVC Concrete Pile                                    | 30   | Pcs           | Rp 31.800.000 |               |              |            |               |
|    | *Solar Industri                                       | 910  | Ltr           | Rp 18.336.500 |               |              |            |               |
|    | *Elektrik   |      |               |               | 11 h          | Rp 320.001   |            |               |
|    | *Foreman Rigger                                       |      |               |               | 11 h          | Rp 333.333   |            |               |
|    | *Mekanik  |      |               |               | 11 h          | Rp 320.001   |            |               |
|    | *Operator Swamp Backhoe (2)                           |      |               |               | 11 h          | Rp 640.002   |            |               |
|    | *Rigger (3)   |      |               |               | 11 h          | Rp 960.003   |            |               |
|    | *Safetyman  |      |               |               | 11 h          | Rp 313.335   |            |               |
| 12 | Day 2 Work  |      | Rp 46.755.000 |               | Rp 2.864.808  |              | Rp -       | Rp 49.619.808 |
|    | *PVC Concrete Pile                                    | 27   | Pcs           | Rp 28.620.000 |               |              |            |               |
|    | *Solar Industri                                       | 900  | Ltr           | Rp 18.135.000 |               |              |            |               |
|    | *Elektrik   |      |               |               | 10,55 h       | Rp 317.577   |            |               |
|    | *Foreman Rigger                                       |      |               |               | 10,55 h       | Rp 330.808   |            |               |
|    | *Mekanik  |      |               |               | 10,55 h       | Rp 317.577   |            |               |
|    | *Operator Swamp Backhoe (2)                           |      |               |               | 10,55 h       | Rp 635.154   |            |               |
|    | *Rigger (3)   |      |               |               | 10,55 h       | Rp 952.731   |            |               |
|    | *Safetyman  |      |               |               | 10,55 h       | Rp 310.961   |            |               |
| 13 | Day 3 Work  |      | Rp 42.716.500 |               | Rp 2.886.675  |              | Rp -       | Rp 45.603.175 |
|    | *PVC Concrete Pile                                    | 23   | Pcs           | Rp 24.380.000 |               |              |            |               |
|    | *Solar Industri                                       | 910  | Ltr           | Rp 18.336.500 |               |              |            |               |
|    | *Elektrik   |      |               |               | 11 h          | Rp 320.001   |            |               |
|    | *Foreman Rigger                                       |      |               |               | 11 h          | Rp 333.333   |            |               |
|    | *Mekanik  |      |               |               | 11 h          | Rp 320.001   |            |               |
|    | *Operator Swamp Backhoe (2)                           |      |               |               | 11 h          | Rp 640.002   |            |               |
|    | *Rigger (3)   |      |               |               | 11 h          | Rp 960.003   |            |               |
|    | *Safetyman  |      |               |               | 11 h          | Rp 313.335   |            |               |
| 14 | Day 4 Work  |      | Rp 39.193.950 |               | Rp 2.733.592  |              | Rp -       | Rp 41.927.542 |
|    | *PVC Concrete Pile                                    | 20   | Pcs           | Rp 21.200.000 |               |              |            |               |
|    | *Solar Industri                                       | 893  | Ltr           | Rp 17.993.950 |               |              |            |               |
|    | *Elektrik   |      |               |               | 10,25 h       | Rp 303.031   |            |               |
|    | *Foreman Rigger                                       |      |               |               | 10,25 h       | Rp 315.656   |            |               |
|    | *Mekanik  |      |               |               | 10,25 h       | Rp 303.031   |            |               |
|    | *Operator Swamp Backhoe (2)                           |      |               |               | 10,25 h       | Rp 606.062   |            |               |
|    | *Rigger (3)   |      |               |               | 10,25 h       | Rp 909.093   |            |               |
|    | *Safetyman  |      |               |               | 10,25 h       | Rp 296.719   |            |               |
| 15 | Day 5 Work  |      | Rp 38.690.200 |               | Rp 2.427.433  |              | Rp -       | Rp 41.117.633 |
|    | *PVC Concrete Pile                                    | 20   | Pcs           | Rp 21.200.000 |               |              |            |               |
|    | *Solar Industri                                       | 868  | Ltr           | Rp 17.490.200 |               |              |            |               |
|    | *Elektrik   |      |               |               | 9,15 h        | Rp 269.092   |            |               |
|    | *Foreman Rigger                                       |      |               |               | 9,15 h        | Rp 280.303   |            |               |
|    | *Mekanik  |      |               |               | 9,15 h        | Rp 269.092   |            |               |
|    | *Operator Swamp Backhoe (2)                           |      |               |               | 9,15 h        | Rp 538.184   |            |               |
|    | *Rigger (3)   |      |               |               | 9,15 h        | Rp 807.276   |            |               |
|    | *Safetyman  |      |               |               | 9,15 h        | Rp 263.486   |            |               |
| 16 | Day 1-2 #S1 (Ø6 Inch 72/1200 ml & Ø2 Inch 54/1200 ml) |      | Rp 19.289.392 |               | Rp 10.980.013 |              | Rp 309.615 | Rp 30.579.020 |
|    | *Argon  | 1    | Pcs           | Rp 60.000     |               |              |            |               |
|    | *Band-it  | 24   | M             | Rp 960.000    |               |              |            |               |
|    | *Band-it Clamp  | 24   | Pcs           | Rp 204.000    |               |              |            |               |
|    | *Buw  | 1    | Pcs           | Rp 25.000     |               |              |            |               |
|    | *CS Band-it   | 11   | M             | Rp 612.004    |               |              |            |               |
|    | *CS Band-it Clamp                                     | 22   | Pcs           | Rp 291.600    |               |              |            |               |
|    | *Drum Floating  | 24   | Pcs           | Rp 3.600.000  |               |              |            |               |
|    | *Electrode  | 14   | Pcs           | Rp 23.338     |               |              |            |               |
|    | *Grinding Disk  | 1    | Pcs           | Rp 56.000     |               |              |            |               |
|    | *Solar Industri                                       | 667  | Ltr           | Rp 13.440.050 |               |              |            |               |
|    | *Tali Safety  | 3    | M             | Rp 17.400     |               |              |            |               |
|    | *Barge Master   |      |               |               | 11 h          | Rp 249.997   |            |               |
|    | *Crane Operator (2)                                   |      |               |               | 11 h          | Rp 660.000   |            |               |
|    | *Elektrik   |      |               |               | 11 h          | Rp 320.001   |            |               |
|    | *Fitter (2)   |      |               |               | 11 h          | Rp 640.002   |            |               |
|    | *Foreman  |      |               |               | 11 h          | Rp 343.332   |            |               |
|    | *Foreman Rigger                                       |      |               |               | 11 h          | Rp 333.333   |            |               |
|    | *Helper (4)   |      |               |               | 11 h          | Rp 1.253.340 |            |               |
|    | *Koki   |      |               |               | 11 h          | Rp 66.671    |            |               |
|    | *Medik  |      |               |               | 11 h          | Rp 166.672   |            |               |
|    | *Mekanik  |      |               |               | 11 h          | Rp 320.001   |            |               |
|    | *NDT  |      |               |               | 11 h          | Rp 1.249.996 |            |               |
|    | *Office Boy   |      |               |               | 11 h          | Rp 320.001   |            |               |
|    | *Operator Swamp Backhoe (2)                           |      |               |               | 11 h          | Rp 640.002   |            |               |
|    | *Painter  |      |               |               | 11 h          | Rp 320.001   |            |               |
|    | *Radio Operator                                       |      |               |               | 11 h          | Rp 233.332   |            |               |
|    | *Rigger (3)   |      |               |               | 11 h          | Rp 960.003   |            |               |
|    | *Safetyman  |      |               |               | 11 h          | Rp 313.335   |            |               |
|    | *Welder (3)   |      |               |               | 11 h          | Rp 1.059.993 |            |               |
|    | *QC W1  |      |               |               | 11 h          | Rp 249.997   |            |               |
|    | *Winch Operator (4)                                   |      |               |               | 11 h          | Rp 1.280.004 |            |               |
|    | *Bend-it Tensioner                                    |      |               |               |               |              | 1 Ea       | Rp 309.615    |

|    |   |         |               |      |               |      |            |               |
|----|---|---------|---------------|------|---------------|------|------------|---------------|
| 17 | Day 1-2 #S2 (Ø6 Inch 180/1200 ml & Ø2 Inch 162/1200 ml) |         | Rp 22.657.064 |      | Rp 10.980.013 |      | Rp 309.615 | Rp 33.946.692 |
|    | *Argon  | 1 Pcs   | Rp 60.000     |      |               |      |            |               |
|    | *Band-it  | 36 M    | Rp 1.440.000  |      |               |      |            |               |
|    | *Band-it Clamp  | 36 Pcs  | Rp 306.000    |      |               |      |            |               |
|    | *Buoy   | 2 Pcs   | Rp 50.000     |      |               |      |            |               |
|    | *CS Band-it   | 22 M    | Rp 1.224.007  |      |               |      |            |               |
|    | *CS Band-it Clamp                                       | 43 Pcs  | Rp 583.200    |      |               |      |            |               |
|    | *Drum Floating  | 36 Pcs  | Rp 5.400.000  |      |               |      |            |               |
|    | *Electrode  | 21 Pcs  | Rp 35.007     |      |               |      |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp 84.000     |      |               |      |            |               |
|    | *Solar Industri   | 667 Ltr | Rp 13.440.050 |      |               |      |            |               |
|    | *Tali Safety  | 6 M     | Rp 34.800     |      |               |      |            |               |
|    | *Barge Master   |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Crane Operator (2)                                     |         |               | 11 h | Rp 660.000    |      |            |               |
|    | *Elektrik   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Fitter (2)   |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Foreman  |         |               | 11 h | Rp 343.332    |      |            |               |
|    | *Foreman Rigger   |         |               | 11 h | Rp 333.333    |      |            |               |
|    | *Helper (4)   |         |               | 11 h | Rp 1.253.340  |      |            |               |
|    | *Koki   |         |               | 11 h | Rp 66.671     |      |            |               |
|    | *Medik  |         |               | 11 h | Rp 166.672    |      |            |               |
|    | *Mekanik  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *NDT  |         |               | 11 h | Rp 1.249.996  |      |            |               |
|    | *Office Boy   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Operator Swamp Backhoe (2)                             |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Painter  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Radio Operator   |         |               | 11 h | Rp 233.332    |      |            |               |
|    | *Rigger (3)   |         |               | 11 h | Rp 960.003    |      |            |               |
|    | *Safetyman  |         |               | 11 h | Rp 313.335    |      |            |               |
|    | *Welder (3)   |         |               | 11 h | Rp 1.059.993  |      |            |               |
|    | *QC/WI  |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Winch Operator (4)                                     |         |               | 11 h | Rp 1.280.004  |      |            |               |
|    | *Bend-it Tensioner                                      |         |               |      |               | 1 Ea | Rp 309.615 |               |
| 18 | Day 2-3 #S1 (Ø6 Inch 288/1200 ml & Ø2 Inch 270/1200 ml) |         | Rp 22.657.064 |      | Rp 10.980.013 |      | Rp 309.615 | Rp 33.946.692 |
|    | *Argon  | 1 Pcs   | Rp 60.000     |      |               |      |            |               |
|    | *Band-it  | 36 M    | Rp 1.440.000  |      |               |      |            |               |
|    | *Band-it Clamp  | 36 Pcs  | Rp 306.000    |      |               |      |            |               |
|    | *Buoy   | 2 Pcs   | Rp 50.000     |      |               |      |            |               |
|    | *CS Band-it   | 22 M    | Rp 1.224.007  |      |               |      |            |               |
|    | *CS Band-it Clamp                                       | 43 Pcs  | Rp 583.200    |      |               |      |            |               |
|    | *Drum Floating  | 36 Pcs  | Rp 5.400.000  |      |               |      |            |               |
|    | *Electrode  | 21 Pcs  | Rp 35.007     |      |               |      |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp 84.000     |      |               |      |            |               |
|    | *Solar Industri   | 667 Ltr | Rp 13.440.050 |      |               |      |            |               |
|    | *Tali Safety  | 6 M     | Rp 34.800     |      |               |      |            |               |
|    | *Barge Master   |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Crane Operator (2)                                     |         |               | 11 h | Rp 660.000    |      |            |               |
|    | *Elektrik   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Fitter (2)   |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Foreman  |         |               | 11 h | Rp 343.332    |      |            |               |
|    | *Foreman Rigger   |         |               | 11 h | Rp 333.333    |      |            |               |
|    | *Helper (4)   |         |               | 11 h | Rp 1.253.340  |      |            |               |
|    | *Koki   |         |               | 11 h | Rp 66.671     |      |            |               |
|    | *Medik  |         |               | 11 h | Rp 166.672    |      |            |               |
|    | *Mekanik  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *NDT  |         |               | 11 h | Rp 1.249.996  |      |            |               |
|    | *Office Boy   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Operator Swamp Backhoe (2)                             |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Painter  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Radio Operator   |         |               | 11 h | Rp 233.332    |      |            |               |
|    | *Rigger (3)   |         |               | 11 h | Rp 960.003    |      |            |               |
|    | *Safetyman  |         |               | 11 h | Rp 313.335    |      |            |               |
|    | *Welder (3)   |         |               | 11 h | Rp 1.059.993  |      |            |               |
|    | *QC/WI  |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Winch Operator (4)                                     |         |               | 11 h | Rp 1.280.004  |      |            |               |
|    | *Bend-it Tensioner                                      |         |               |      |               | 1 Ea | Rp 309.615 |               |
| 19 | Day 2-3 #S2 (Ø6 Inch 396/1200 ml & Ø2 Inch 378/1200 ml) |         | Rp 22.617.395 |      | Rp 10.980.013 |      | Rp 309.615 | Rp 33.907.023 |
|    | *Argon  | 1 Pcs   | Rp 60.000     |      |               |      |            |               |
|    | *Band-it  | 36 M    | Rp 1.440.000  |      |               |      |            |               |
|    | *Band-it Clamp  | 36 Pcs  | Rp 306.000    |      |               |      |            |               |
|    | *Buoy   | 2 Pcs   | Rp 50.000     |      |               |      |            |               |
|    | *CS Band-it   | 22 M    | Rp 1.224.007  |      |               |      |            |               |
|    | *CS Band-it Clamp                                       | 43 Pcs  | Rp 583.200    |      |               |      |            |               |
|    | *Drum Floating  | 36 Pcs  | Rp 5.400.000  |      |               |      |            |               |
|    | *Electrode  | 14 Pcs  | Rp 23.338     |      |               |      |            |               |
|    | *Grinding Disk  | 1 Pcs   | Rp 56.000     |      |               |      |            |               |
|    | *Solar Industri   | 667 Ltr | Rp 13.440.050 |      |               |      |            |               |
|    | *Tali Safety  | 6 M     | Rp 34.800     |      |               |      |            |               |
|    | *Barge Master   |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Crane Operator (2)                                     |         |               | 11 h | Rp 660.000    |      |            |               |
|    | *Elektrik   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Fitter (2)   |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Foreman  |         |               | 11 h | Rp 343.332    |      |            |               |
|    | *Foreman Rigger   |         |               | 11 h | Rp 333.333    |      |            |               |
|    | *Helper (4)   |         |               | 11 h | Rp 1.253.340  |      |            |               |
|    | *Koki   |         |               | 11 h | Rp 66.671     |      |            |               |
|    | *Medik  |         |               | 11 h | Rp 166.672    |      |            |               |
|    | *Mekanik  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *NDT  |         |               | 11 h | Rp 1.249.996  |      |            |               |
|    | *Office Boy   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Operator Swamp Backhoe (2)                             |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Painter  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Radio Operator   |         |               | 11 h | Rp 233.332    |      |            |               |
|    | *Rigger (3)   |         |               | 11 h | Rp 960.003    |      |            |               |
|    | *Safetyman  |         |               | 11 h | Rp 313.335    |      |            |               |
|    | *Welder (3)   |         |               | 11 h | Rp 1.059.993  |      |            |               |
|    | *QC/WI  |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Winch Operator (4)                                     |         |               | 11 h | Rp 1.280.004  |      |            |               |
|    | *Bend-it Tensioner                                      |         |               |      |               | 1 Ea | Rp 309.615 |               |

|    |   |         |               |      |               |      |            |               |
|----|---|---------|---------------|------|---------------|------|------------|---------------|
| 20 | Day 3-4 #S1 (Ø6 Inch 468/1200 ml & Ø2 Inch 450/1200 ml) |         | Rp 19.672.662 |      | Rp 10.980.013 |      | Rp 309.615 | Rp 30.962.290 |
|    | *Argon  | 1 Pcs   | Rp 60.000     |      |               |      |            |               |
|    | *Band-it  | 24 M    | Rp 960.000    |      |               |      |            |               |
|    | *Band-it Clamp  | 24 Pcs  | Rp 204.000    |      |               |      |            |               |
|    | *Buoy   | 2 Pcs   | Rp 50.000     |      |               |      |            |               |
|    | *CS Band-it   | 14 M    | Rp 816.005    |      |               |      |            |               |
|    | *CS Band-it Clamp                                       | 29 Pcs  | Rp 388.800    |      |               |      |            |               |
|    | *Drum Floating  | 24 Pcs  | Rp 3.600.000  |      |               |      |            |               |
|    | *Electrode  | 21 Pcs  | Rp 35.007     |      |               |      |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp 84.000     |      |               |      |            |               |
|    | *Solar Industri   | 667 Ltr | Rp 13.440.050 |      |               |      |            |               |
|    | *Tali Safety  | 6 M     | Rp 34.800     |      |               |      |            |               |
|    | *Barge Master   |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Crane Operator (2)                                     |         |               | 11 h | Rp 660.000    |      |            |               |
|    | *Elektrik   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Fitter (2)   |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Foreman  |         |               | 11 h | Rp 343.332    |      |            |               |
|    | *Foreman Rigger   |         |               | 11 h | Rp 333.333    |      |            |               |
|    | *Helper (4)   |         |               | 11 h | Rp 1.253.340  |      |            |               |
|    | *Koki   |         |               | 11 h | Rp 66.671     |      |            |               |
|    | *Medik  |         |               | 11 h | Rp 166.672    |      |            |               |
|    | *Mekanik  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *NDT  |         |               | 11 h | Rp 1.249.996  |      |            |               |
|    | *Office Boy   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Operator Swamp Backhoe (2)                             |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Painter  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Radio Operator   |         |               | 11 h | Rp 233.332    |      |            |               |
|    | *Rigger (3)   |         |               | 11 h | Rp 960.003    |      |            |               |
|    | *Safetyman  |         |               | 11 h | Rp 313.335    |      |            |               |
|    | *Welder (3)   |         |               | 11 h | Rp 1.059.993  |      |            |               |
|    | *QC/WI  |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Winch Operator (4)                                     |         |               | 11 h | Rp 1.280.004  |      |            |               |
|    | *Bend-it Tensioner                                      |         |               |      |               | 1 Ea | Rp 309.615 |               |
| 21 | Day 3-4 #S2 (Ø6 Inch 576/1200 ml & Ø2 Inch 558/1200 ml) |         | Rp 22.637.064 |      | Rp 10.980.013 |      | Rp 309.615 | Rp 33.946.692 |
|    | *Argon  | 1 Pcs   | Rp 60.000     |      |               |      |            |               |
|    | *Band-it  | 36 M    | Rp 1.440.000  |      |               |      |            |               |
|    | *Band-it Clamp  | 36 Pcs  | Rp 306.000    |      |               |      |            |               |
|    | *Buoy   | 2 Pcs   | Rp 50.000     |      |               |      |            |               |
|    | *CS Band-it   | 22 M    | Rp 1.224.007  |      |               |      |            |               |
|    | *CS Band-it Clamp                                       | 43 Pcs  | Rp 583.200    |      |               |      |            |               |
|    | *Drum Floating  | 36 Pcs  | Rp 5.400.000  |      |               |      |            |               |
|    | *Electrode  | 21 Pcs  | Rp 35.007     |      |               |      |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp 84.000     |      |               |      |            |               |
|    | *Solar Industri   | 667 Ltr | Rp 13.440.050 |      |               |      |            |               |
|    | *Tali Safety  | 6 M     | Rp 34.800     |      |               |      |            |               |
|    | *Barge Master   |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Crane Operator (2)                                     |         |               | 11 h | Rp 660.000    |      |            |               |
|    | *Elektrik   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Fitter (2)   |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Foreman  |         |               | 11 h | Rp 343.332    |      |            |               |
|    | *Foreman Rigger   |         |               | 11 h | Rp 333.333    |      |            |               |
|    | *Helper (4)   |         |               | 11 h | Rp 1.253.340  |      |            |               |
|    | *Koki   |         |               | 11 h | Rp 66.671     |      |            |               |
|    | *Medik  |         |               | 11 h | Rp 166.672    |      |            |               |
|    | *Mekanik  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *NDT  |         |               | 11 h | Rp 1.249.996  |      |            |               |
|    | *Office Boy   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Operator Swamp Backhoe (2)                             |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Painter  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Radio Operator   |         |               | 11 h | Rp 233.332    |      |            |               |
|    | *Rigger (3)   |         |               | 11 h | Rp 960.003    |      |            |               |
|    | *Safetyman  |         |               | 11 h | Rp 313.335    |      |            |               |
|    | *Welder (3)   |         |               | 11 h | Rp 1.059.993  |      |            |               |
|    | *QC/WI  |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Winch Operator (4)                                     |         |               | 11 h | Rp 1.280.004  |      |            |               |
|    | *Bend-it Tensioner                                      |         |               |      |               | 1 Ea | Rp 309.615 |               |
| 22 | Day 4-5 #S1 (Ø6 Inch 648/1200 ml & Ø2 Inch 630/1200 ml) |         | Rp 19.590.593 |      | Rp 10.980.013 |      | Rp 309.615 | Rp 30.880.221 |
|    | *Argon  | 1 Pcs   | Rp 60.000     |      |               |      |            |               |
|    | *Band-it  | 24 M    | Rp 960.000    |      |               |      |            |               |
|    | *Band-it Clamp  | 24 Pcs  | Rp 204.000    |      |               |      |            |               |
|    | *Buoy   | 1 Pcs   | Rp 25.000     |      |               |      |            |               |
|    | *CS Band-it   | 14 M    | Rp 816.005    |      |               |      |            |               |
|    | *CS Band-it Clamp                                       | 29 Pcs  | Rp 388.800    |      |               |      |            |               |
|    | *Drum Floating  | 24 Pcs  | Rp 3.600.000  |      |               |      |            |               |
|    | *Electrode  | 14 Pcs  | Rp 23.338     |      |               |      |            |               |
|    | *Grinding Disk  | 1 Pcs   | Rp 56.000     |      |               |      |            |               |
|    | *Solar Industri   | 667 Ltr | Rp 13.440.050 |      |               |      |            |               |
|    | *Tali Safety  | 3 M     | Rp 17.400     |      |               |      |            |               |
|    | *Barge Master   |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Crane Operator (2)                                     |         |               | 11 h | Rp 660.000    |      |            |               |
|    | *Elektrik   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Fitter (2)   |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Foreman  |         |               | 11 h | Rp 343.332    |      |            |               |
|    | *Foreman Rigger   |         |               | 11 h | Rp 333.333    |      |            |               |
|    | *Helper (4)   |         |               | 11 h | Rp 1.253.340  |      |            |               |
|    | *Koki   |         |               | 11 h | Rp 66.671     |      |            |               |
|    | *Medik  |         |               | 11 h | Rp 166.672    |      |            |               |
|    | *Mekanik  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *NDT  |         |               | 11 h | Rp 1.249.996  |      |            |               |
|    | *Office Boy   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Operator Swamp Backhoe (2)                             |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Painter  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Radio Operator   |         |               | 11 h | Rp 233.332    |      |            |               |
|    | *Rigger (3)   |         |               | 11 h | Rp 960.003    |      |            |               |
|    | *Safetyman  |         |               | 11 h | Rp 313.335    |      |            |               |
|    | *Welder (3)   |         |               | 11 h | Rp 1.059.993  |      |            |               |
|    | *QC/WI  |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Winch Operator (4)                                     |         |               | 11 h | Rp 1.280.004  |      |            |               |
|    | *Bend-it Tensioner                                      |         |               |      |               | 1 Ea | Rp 309.615 |               |

|    |   |         |               |      |               |      |            |               |
|----|---|---------|---------------|------|---------------|------|------------|---------------|
| 23 | Day 4-5 #S2 (Ø6 Inch 756/1200 ml & Ø2 Inch 738/1200 ml) |         | Rp 22.699.464 |      | Rp 10.980.013 |      | Rp 309.615 | Rp 33.989.092 |
|    | *Argon  | 1 Pcs   | Rp 60.000     |      |               |      |            |               |
|    | *Band-it  | 36 M    | Rp 1.440.000  |      |               |      |            |               |
|    | *Band-it Clamp  | 36 Pcs  | Rp 306.000    |      |               |      |            |               |
|    | *Buoy   | 3 Pcs   | Rp 75.000     |      |               |      |            |               |
|    | *CS Band-it   | 22 M    | Rp 1.224.007  |      |               |      |            |               |
|    | *CS Band-it Clamp                                       | 43 Pcs  | Rp 583.200    |      |               |      |            |               |
|    | *Drum Floating  | 36 Pcs  | Rp 5.400.000  |      |               |      |            |               |
|    | *Electrode  | 21 Pcs  | Rp 35.007     |      |               |      |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp 84.000     |      |               |      |            |               |
|    | *Solar Industri   | 667 Ltr | Rp 13.440.050 |      |               |      |            |               |
|    | *Tali Safety  | 9 M     | Rp 52.200     |      |               |      |            |               |
|    | *Barge Master   |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Crane Operator (2)                                     |         |               | 11 h | Rp 660.000    |      |            |               |
|    | *Elektrik   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Fitter (2)   |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Foreman  |         |               | 11 h | Rp 343.332    |      |            |               |
|    | *Foreman Rigger   |         |               | 11 h | Rp 333.333    |      |            |               |
|    | *Helper (4)   |         |               | 11 h | Rp 1.253.340  |      |            |               |
|    | *Koki   |         |               | 11 h | Rp 66.671     |      |            |               |
|    | *Medik  |         |               | 11 h | Rp 166.672    |      |            |               |
|    | *Mekanik  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *NDT  |         |               | 11 h | Rp 1.249.996  |      |            |               |
|    | *Office Boy   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Operator Swamp Backhoe (2)                             |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Painter  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Radio Operator   |         |               | 11 h | Rp 233.332    |      |            |               |
|    | *Rigger (3)   |         |               | 11 h | Rp 960.003    |      |            |               |
|    | *Safetyman  |         |               | 11 h | Rp 313.335    |      |            |               |
|    | *Welder (3)   |         |               | 11 h | Rp 1.059.993  |      |            |               |
|    | *QCWI   |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Winch Operator (4)                                     |         |               | 11 h | Rp 1.280.004  |      |            |               |
|    | *Bend-it Tensioner                                      |         |               |      |               | 1 Ea | Rp 309.615 |               |
| 24 | Day 5-6 #S1 (Ø6 Inch 864/1200 ml & Ø2 Inch 846/1200 ml) |         | Rp 22.637.064 |      | Rp 10.980.013 |      | Rp 309.615 | Rp 33.946.692 |
|    | *Argon  | 1 Pcs   | Rp 60.000     |      |               |      |            |               |
|    | *Band-it  | 36 M    | Rp 1.440.000  |      |               |      |            |               |
|    | *Band-it Clamp  | 36 Pcs  | Rp 306.000    |      |               |      |            |               |
|    | *Buoy   | 2 Pcs   | Rp 50.000     |      |               |      |            |               |
|    | *CS Band-it   | 22 M    | Rp 1.224.007  |      |               |      |            |               |
|    | *CS Band-it Clamp                                       | 43 Pcs  | Rp 583.200    |      |               |      |            |               |
|    | *Drum Floating  | 36 Pcs  | Rp 5.400.000  |      |               |      |            |               |
|    | *Electrode  | 21 Pcs  | Rp 35.007     |      |               |      |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp 84.000     |      |               |      |            |               |
|    | *Solar Industri   | 667 Ltr | Rp 13.440.050 |      |               |      |            |               |
|    | *Tali Safety  | 6 M     | Rp 34.800     |      |               |      |            |               |
|    | *Barge Master   |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Crane Operator (2)                                     |         |               | 11 h | Rp 660.000    |      |            |               |
|    | *Elektrik   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Fitter (2)   |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Foreman  |         |               | 11 h | Rp 343.332    |      |            |               |
|    | *Foreman Rigger   |         |               | 11 h | Rp 333.333    |      |            |               |
|    | *Helper (4)   |         |               | 11 h | Rp 1.253.340  |      |            |               |
|    | *Koki   |         |               | 11 h | Rp 66.671     |      |            |               |
|    | *Medik  |         |               | 11 h | Rp 166.672    |      |            |               |
|    | *Mekanik  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *NDT  |         |               | 11 h | Rp 1.249.996  |      |            |               |
|    | *Office Boy   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Operator Swamp Backhoe (2)                             |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Painter  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Radio Operator   |         |               | 11 h | Rp 233.332    |      |            |               |
|    | *Rigger (3)   |         |               | 11 h | Rp 960.003    |      |            |               |
|    | *Safetyman  |         |               | 11 h | Rp 313.335    |      |            |               |
|    | *Welder (3)   |         |               | 11 h | Rp 1.059.993  |      |            |               |
|    | *QCWI   |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Winch Operator (4)                                     |         |               | 11 h | Rp 1.280.004  |      |            |               |
|    | *Bend-it Tensioner                                      |         |               |      |               | 1 Ea | Rp 309.615 |               |
| 25 | Day 5-6 #S2 (Ø6 Inch 936/1200 ml & Ø2 Inch 918/1200 ml) |         | Rp 19.590.593 |      | Rp 10.980.013 |      | Rp 309.615 | Rp 30.880.221 |
|    | *Argon  | 1 Pcs   | Rp 60.000     |      |               |      |            |               |
|    | *Band-it  | 24 M    | Rp 960.000    |      |               |      |            |               |
|    | *Band-it Clamp  | 24 Pcs  | Rp 204.000    |      |               |      |            |               |
|    | *Buoy   | 1 Pcs   | Rp 25.000     |      |               |      |            |               |
|    | *CS Band-it   | 14 M    | Rp 816.005    |      |               |      |            |               |
|    | *CS Band-it Clamp                                       | 29 Pcs  | Rp 388.800    |      |               |      |            |               |
|    | *Drum Floating  | 24 Pcs  | Rp 3.600.000  |      |               |      |            |               |
|    | *Electrode  | 14 Pcs  | Rp 23.338     |      |               |      |            |               |
|    | *Grinding Disk  | 1 Pcs   | Rp 56.000     |      |               |      |            |               |
|    | *Solar Industri   | 667 Ltr | Rp 13.440.050 |      |               |      |            |               |
|    | *Tali Safety  | 3 M     | Rp 17.400     |      |               |      |            |               |
|    | *Barge Master   |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Crane Operator (2)                                     |         |               | 11 h | Rp 660.000    |      |            |               |
|    | *Elektrik   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Fitter (2)   |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Foreman  |         |               | 11 h | Rp 343.332    |      |            |               |
|    | *Foreman Rigger   |         |               | 11 h | Rp 333.333    |      |            |               |
|    | *Helper (4)   |         |               | 11 h | Rp 1.253.340  |      |            |               |
|    | *Koki   |         |               | 11 h | Rp 66.671     |      |            |               |
|    | *Medik  |         |               | 11 h | Rp 166.672    |      |            |               |
|    | *Mekanik  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *NDT  |         |               | 11 h | Rp 1.249.996  |      |            |               |
|    | *Office Boy   |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Operator Swamp Backhoe (2)                             |         |               | 11 h | Rp 640.002    |      |            |               |
|    | *Painter  |         |               | 11 h | Rp 320.001    |      |            |               |
|    | *Radio Operator   |         |               | 11 h | Rp 233.332    |      |            |               |
|    | *Rigger (3)   |         |               | 11 h | Rp 960.003    |      |            |               |
|    | *Safetyman  |         |               | 11 h | Rp 313.335    |      |            |               |
|    | *Welder (3)   |         |               | 11 h | Rp 1.059.993  |      |            |               |
|    | *QCWI   |         |               | 11 h | Rp 249.997    |      |            |               |
|    | *Winch Operator (4)                                     |         |               | 11 h | Rp 1.280.004  |      |            |               |
|    | *Bend-it Tensioner                                      |         |               |      |               | 1 Ea | Rp 309.615 |               |

|    |   |         |               |        |               |      |            |               |
|----|---|---------|---------------|--------|---------------|------|------------|---------------|
| 26 | Day 6-7 #S1 (Ø6 Inch 1044/1200 ml & Ø2 Inch 1026/1200 ml) |         | Rp 22.657.064 |        | Rp 10.980.013 |      | Rp 309.615 | Rp 33.946.692 |
|    | *Argon  | 1 Pcs   | Rp 60.000     |        |               |      |            |               |
|    | *Band-it  | 36 M    | Rp 1.440.000  |        |               |      |            |               |
|    | *Band-it Clamp  | 36 Pcs  | Rp 306.000    |        |               |      |            |               |
|    | *Buoy   | 2 Pcs   | Rp 50.000     |        |               |      |            |               |
|    | *CS Band-it   | 22 M    | Rp 1.224.007  |        |               |      |            |               |
|    | *CS Band-it Clamp   | 43 Pcs  | Rp 583.200    |        |               |      |            |               |
|    | *Drum Floating  | 36 Pcs  | Rp 5.400.000  |        |               |      |            |               |
|    | *Electrode  | 21 Pcs  | Rp 35.007     |        |               |      |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp 84.000     |        |               |      |            |               |
|    | *Solar Industri   | 667 Ltr | Rp 13.440.050 |        |               |      |            |               |
|    | *Tali Safety  | 6 M     | Rp 34.800     |        |               |      |            |               |
|    | *Barge Master   |         |               | 11 h   | Rp 249.997    |      |            |               |
|    | *Crane Operator (2)                                       |         |               | 11 h   | Rp 660.000    |      |            |               |
|    | *Elektrik   |         |               | 11 h   | Rp 320.001    |      |            |               |
|    | *Fitter (2)   |         |               | 11 h   | Rp 640.002    |      |            |               |
|    | *Foreman  |         |               | 11 h   | Rp 343.332    |      |            |               |
|    | *Foreman Rigger   |         |               | 11 h   | Rp 333.333    |      |            |               |
|    | *Helper (4)   |         |               | 11 h   | Rp 1.253.340  |      |            |               |
|    | *Koki   |         |               | 11 h   | Rp 66.671     |      |            |               |
|    | *Medik  |         |               | 11 h   | Rp 166.672    |      |            |               |
|    | *Mekanik  |         |               | 11 h   | Rp 320.001    |      |            |               |
|    | *NDT  |         |               | 11 h   | Rp 1.249.996  |      |            |               |
|    | *Office Boy   |         |               | 11 h   | Rp 320.001    |      |            |               |
|    | *Operator Swamp Backhoe (2)                               |         |               | 11 h   | Rp 640.002    |      |            |               |
|    | *Painter  |         |               | 11 h   | Rp 320.001    |      |            |               |
|    | *Radio Operator   |         |               | 11 h   | Rp 233.332    |      |            |               |
|    | *Rigger (3)   |         |               | 11 h   | Rp 960.003    |      |            |               |
|    | *Safetyman  |         |               | 11 h   | Rp 313.335    |      |            |               |
|    | *Welder (3)   |         |               | 11 h   | Rp 1.059.993  |      |            |               |
|    | *QCWI   |         |               | 11 h   | Rp 249.997    |      |            |               |
|    | *Winch Operator (4)                                       |         |               | 11 h   | Rp 1.280.004  |      |            |               |
|    | *Bend-it Tensioner  |         |               |        |               | 1 Ea | Rp 309.615 |               |
| 27 | Day 6-7 #S2 (Ø6 Inch 1152/1200 ml & Ø2 Inch 1134/1200 ml) |         | Rp 22.614.664 |        | Rp 10.980.013 |      | Rp 309.615 | Rp 33.904.292 |
|    | *Argon  | 1 Pcs   | Rp 60.000     |        |               |      |            |               |
|    | *Band-it  | 36 M    | Rp 1.440.000  |        |               |      |            |               |
|    | *Band-it Clamp  | 36 Pcs  | Rp 306.000    |        |               |      |            |               |
|    | *Buoy   | 1 Pcs   | Rp 25.000     |        |               |      |            |               |
|    | *CS Band-it   | 22 M    | Rp 1.224.007  |        |               |      |            |               |
|    | *CS Band-it Clamp   | 43 Pcs  | Rp 583.200    |        |               |      |            |               |
|    | *Drum Floating  | 36 Pcs  | Rp 5.400.000  |        |               |      |            |               |
|    | *Electrode  | 21 Pcs  | Rp 35.007     |        |               |      |            |               |
|    | *Grinding Disk  | 2 Pcs   | Rp 84.000     |        |               |      |            |               |
|    | *Solar Industri   | 667 Ltr | Rp 13.440.050 |        |               |      |            |               |
|    | *Tali Safety  | 3 M     | Rp 17.400     |        |               |      |            |               |
|    | *Barge Master   |         |               | 11 h   | Rp 249.997    |      |            |               |
|    | *Crane Operator (2)                                       |         |               | 11 h   | Rp 660.000    |      |            |               |
|    | *Elektrik   |         |               | 11 h   | Rp 320.001    |      |            |               |
|    | *Fitter (2)   |         |               | 11 h   | Rp 640.002    |      |            |               |
|    | *Foreman  |         |               | 11 h   | Rp 343.332    |      |            |               |
|    | *Foreman Rigger   |         |               | 11 h   | Rp 333.333    |      |            |               |
|    | *Helper (4)   |         |               | 11 h   | Rp 1.253.340  |      |            |               |
|    | *Koki   |         |               | 11 h   | Rp 66.671     |      |            |               |
|    | *Medik  |         |               | 11 h   | Rp 166.672    |      |            |               |
|    | *Mekanik  |         |               | 11 h   | Rp 320.001    |      |            |               |
|    | *NDT  |         |               | 11 h   | Rp 1.249.996  |      |            |               |
|    | *Office Boy   |         |               | 11 h   | Rp 320.001    |      |            |               |
|    | *Operator Swamp Backhoe (2)                               |         |               | 11 h   | Rp 640.002    |      |            |               |
|    | *Painter  |         |               | 11 h   | Rp 320.001    |      |            |               |
|    | *Radio Operator   |         |               | 11 h   | Rp 233.332    |      |            |               |
|    | *Rigger (3)   |         |               | 11 h   | Rp 960.003    |      |            |               |
|    | *Safetyman  |         |               | 11 h   | Rp 313.335    |      |            |               |
|    | *Welder (3)   |         |               | 11 h   | Rp 1.059.993  |      |            |               |
|    | *QCWI   |         |               | 11 h   | Rp 249.997    |      |            |               |
|    | *Winch Operator (4)                                       |         |               | 11 h   | Rp 1.280.004  |      |            |               |
|    | *Bend-it Tensioner  |         |               |        |               | 1 Ea | Rp 309.615 |               |
| 28 | Day 7 #S1 (Ø6 Inch 1200/1200 ml & Ø2 Inch 1200/1200 ml)   |         | Rp 17.862.523 |        | Rp 7.735.916  |      | Rp 309.615 | Rp 25.908.054 |
|    | *Argon  | 1 Pcs   | Rp 60.000     |        |               |      |            |               |
|    | *Band-it  | 16 M    | Rp 640.000    |        |               |      |            |               |
|    | *Band-it Clamp  | 16 Pcs  | Rp 136.000    |        |               |      |            |               |
|    | *Buoy   | 1 Pcs   | Rp 25.000     |        |               |      |            |               |
|    | *CS Band-it   | 13 M    | Rp 748.004    |        |               |      |            |               |
|    | *CS Band-it Clamp   | 26 Pcs  | Rp 356.400    |        |               |      |            |               |
|    | *Drum Floating  | 16 Pcs  | Rp 2.400.000  |        |               |      |            |               |
|    | *Electrode  | 7 Pcs   | Rp 11.669     |        |               |      |            |               |
|    | *Grinding Disk  | 1 Pcs   | Rp 28.000     |        |               |      |            |               |
|    | *Solar Industri   | 667 Ltr | Rp 13.440.050 |        |               |      |            |               |
|    | *Tali Safety  | 3 M     | Rp 17.400     |        |               |      |            |               |
|    | *Barge Master   |         |               | 7,45 h | Rp 176.134    |      |            |               |
|    | *Crane Operator (2)                                       |         |               | 7,45 h | Rp 465.000    |      |            |               |
|    | *Elektrik   |         |               | 7,45 h | Rp 225.455    |      |            |               |
|    | *Fitter (2)   |         |               | 7,45 h | Rp 450.910    |      |            |               |
|    | *Foreman  |         |               | 7,45 h | Rp 241.893    |      |            |               |
|    | *Foreman Rigger   |         |               | 7,45 h | Rp 234.848    |      |            |               |
|    | *Helper (4)   |         |               | 7,45 h | Rp 883.036    |      |            |               |
|    | *Koki   |         |               | 7,45 h | Rp 46.973     |      |            |               |
|    | *Medik  |         |               | 7,45 h | Rp 117.428    |      |            |               |
|    | *Mekanik  |         |               | 7,45 h | Rp 225.455    |      |            |               |
|    | *NDT  |         |               | 7,45 h | Rp 880.679    |      |            |               |
|    | *Office Boy   |         |               | 7,45 h | Rp 225.455    |      |            |               |
|    | *Operator Swamp Backhoe (2)                               |         |               | 7,45 h | Rp 450.910    |      |            |               |
|    | *Painter  |         |               | 7,45 h | Rp 225.455    |      |            |               |
|    | *Radio Operator   |         |               | 7,45 h | Rp 164.393    |      |            |               |
|    | *Rigger (3)   |         |               | 7,45 h | Rp 676.365    |      |            |               |
|    | *Safetyman  |         |               | 7,45 h | Rp 220.759    |      |            |               |
|    | *Welder (3)   |         |               | 7,45 h | Rp 746.814    |      |            |               |
|    | *QCWI   |         |               | 7,45 h | Rp 176.134    |      |            |               |
|    | *Winch Operator (4)                                       |         |               | 7,45 h | Rp 901.820    |      |            |               |
|    | *Bend-it Tensioner  |         |               |        |               | 1 Ea | Rp 309.615 |               |

|    |  |      |     |               |    |   |               |  |    |    |            |
|----|--|------|-----|---------------|----|---|---------------|--|----|----|------------|
| 29 | Install Dogleg                                 |      |     | Rp 32.308.055 |    |   | Rp 40.146.405 |  | Rp | Rp | 72.454.460 |
|    | *Electrode                                     | 65   | Pcs | Rp 108.355    |    |   |               |  |    |    |            |
|    | *Solar Industri                                | 1598 | Ltr | Rp 32.199.700 |    |   |               |  |    |    |            |
|    | *Barge Master                                  |      |     |               | 39 | h | Rp 886.353    |  |    |    |            |
|    | *Crane Operator (2)                            |      |     |               | 39 | h | Rp 2.340.000  |  |    |    |            |
|    | *Elektrik                                      |      |     |               | 39 | h | Rp 1.134.549  |  |    |    |            |
|    | *Fitter (2)                                    |      |     |               | 39 | h | Rp 2.269.098  |  |    |    |            |
|    | *Foreman                                       |      |     |               | 39 | h | Rp 1.217.268  |  |    |    |            |
|    | *Foreman Rigger                                |      |     |               | 39 | h | Rp 1.181.817  |  |    |    |            |
|    | *Helper (4)                                    |      |     |               | 39 | h | Rp 4.443.660  |  |    |    |            |
|    | *Inspector Scaffolder                          |      |     |               | 39 | h | Rp 1.217.268  |  |    |    |            |
|    | *Koki  |      |     |               | 39 | h | Rp 236.379    |  |    |    |            |
|    | *Medik   |      |     |               | 39 | h | Rp 590.928    |  |    |    |            |
|    | *Mekanik                                       |      |     |               | 39 | h | Rp 1.134.549  |  |    |    |            |
|    | *NDT   |      |     |               | 39 | h | Rp 4.431.804  |  |    |    |            |
|    | *Office Boy                                    |      |     |               | 39 | h | Rp 1.134.549  |  |    |    |            |
|    | *Painter                                       |      |     |               | 39 | h | Rp 1.134.549  |  |    |    |            |
|    | *Radio Operator                                |      |     |               | 39 | h | Rp 827.268    |  |    |    |            |
|    | *Rigger (3)                                    |      |     |               | 39 | h | Rp 3.403.647  |  |    |    |            |
|    | *Safetyman                                     |      |     |               | 39 | h | Rp 1.110.915  |  |    |    |            |
|    | *Scaffolder (2)                                |      |     |               | 39 | h | Rp 2.269.098  |  |    |    |            |
|    | *Welder (3)                                    |      |     |               | 39 | h | Rp 3.758.157  |  |    |    |            |
|    | *QC/WI   |      |     |               | 39 | h | Rp 886.353    |  |    |    |            |
|    | *Winch Operator (4)                            |      |     |               | 39 | h | Rp 4.538.196  |  |    |    |            |
| 30 | Install Riser                                  |      |     | Rp 32.273.048 |    |   | Rp 39.117.010 |  | Rp | Rp | 71.390.058 |
|    | *Electrode                                     | 44   | Pcs | Rp 73.348     |    |   |               |  |    |    |            |
|    | *Solar Industri                                | 1598 | Ltr | Rp 32.199.700 |    |   |               |  |    |    |            |
|    | *Barge Master                                  |      |     |               | 38 | h | Rp 863.626    |  |    |    |            |
|    | *Crane Operator (2)                            |      |     |               | 38 | h | Rp 2.280.000  |  |    |    |            |
|    | *Elektrik                                      |      |     |               | 38 | h | Rp 1.105.458  |  |    |    |            |
|    | *Fitter (2)                                    |      |     |               | 38 | h | Rp 2.210.916  |  |    |    |            |
|    | *Foreman                                       |      |     |               | 38 | h | Rp 1.186.056  |  |    |    |            |
|    | *Foreman Rigger                                |      |     |               | 38 | h | Rp 1.151.514  |  |    |    |            |
|    | *Helper (4)                                    |      |     |               | 38 | h | Rp 4.329.720  |  |    |    |            |
|    | *Inspector Scaffolder                          |      |     |               | 38 | h | Rp 1.186.056  |  |    |    |            |
|    | *Koki  |      |     |               | 38 | h | Rp 230.318    |  |    |    |            |
|    | *Medik   |      |     |               | 38 | h | Rp 575.776    |  |    |    |            |
|    | *Mekanik                                       |      |     |               | 38 | h | Rp 1.105.458  |  |    |    |            |
|    | *NDT   |      |     |               | 38 | h | Rp 4.318.168  |  |    |    |            |
|    | *Office Boy                                    |      |     |               | 38 | h | Rp 1.105.458  |  |    |    |            |
|    | *Painter                                       |      |     |               | 38 | h | Rp 1.105.458  |  |    |    |            |
|    | *Radio Operator                                |      |     |               | 38 | h | Rp 806.056    |  |    |    |            |
|    | *Rigger (3)                                    |      |     |               | 38 | h | Rp 3.316.374  |  |    |    |            |
|    | *Safetyman                                     |      |     |               | 38 | h | Rp 1.082.430  |  |    |    |            |
|    | *Scaffolder (2)                                |      |     |               | 38 | h | Rp 2.210.916  |  |    |    |            |
|    | *Welder (3)                                    |      |     |               | 38 | h | Rp 3.661.794  |  |    |    |            |
|    | *QC/WI   |      |     |               | 38 | h | Rp 863.626    |  |    |    |            |
|    | *Winch Operator (4)                            |      |     |               | 38 | h | Rp 4.421.832  |  |    |    |            |
| 31 | Preparation for Flushing, Pigging & Dewatering |      |     | Rp 7.918.950  |    |   | Rp 3.113.341  |  |    | Rp | 11.032.291 |
|    | *Solar Industri                                | 393  | Ltr | Rp 7.918.950  |    |   |               |  |    |    |            |
|    | *Elektrik                                      |      |     |               | 11 | h | Rp 320.001    |  |    |    |            |
|    | *Foreman                                       |      |     |               | 11 | h | Rp 343.332    |  |    |    |            |
|    | *Helper (5)                                    |      |     |               | 11 | h | Rp 1.566.675  |  |    |    |            |
|    | *Mekanik                                       |      |     |               | 11 | h | Rp 320.001    |  |    |    |            |
|    | *Safetyman                                     |      |     |               | 11 | h | Rp 313.335    |  |    |    |            |
|    | *QC/WI   |      |     |               | 11 | h | Rp 249.997    |  |    |    |            |
| 32 | Flushing & Pigging Work                        |      |     | Rp 24.683.750 |    |   | Rp 6.226.682  |  |    | Rp | 30.910.432 |
|    | *Solar Industri                                | 1225 | Ltr | Rp 24.683.750 |    |   |               |  |    |    |            |
|    | *Elektrik                                      |      |     |               | 22 | h | Rp 640.002    |  |    |    |            |
|    | *Foreman                                       |      |     |               | 22 | h | Rp 686.664    |  |    |    |            |
|    | *Helper (5)                                    |      |     |               | 22 | h | Rp 3.133.350  |  |    |    |            |
|    | *Mekanik                                       |      |     |               | 22 | h | Rp 640.002    |  |    |    |            |
|    | *Safetyman                                     |      |     |               | 22 | h | Rp 626.670    |  |    |    |            |
|    | *QC/WI   |      |     |               | 22 | h | Rp 499.994    |  |    |    |            |
| 33 | Pre-Hydrotest                                  |      |     | Rp 7.918.950  |    |   | Rp 3.113.341  |  |    | Rp | 11.032.291 |
|    | *Solar Industri                                | 393  | Ltr | Rp 7.918.950  |    |   |               |  |    |    |            |
|    | *Elektrik                                      |      |     |               | 11 | h | Rp 320.001    |  |    |    |            |
|    | *Foreman                                       |      |     |               | 11 | h | Rp 343.332    |  |    |    |            |
|    | *Helper (5)                                    |      |     |               | 11 | h | Rp 1.566.675  |  |    |    |            |
|    | *Mekanik                                       |      |     |               | 11 | h | Rp 320.001    |  |    |    |            |
|    | *Safetyman                                     |      |     |               | 11 | h | Rp 313.335    |  |    |    |            |
|    | *QC/WI   |      |     |               | 11 | h | Rp 249.997    |  |    |    |            |
| 34 | Hydrotest 06 Inch Pipeline                     |      |     | Rp 74.051.250 |    |   | Rp 18.680.046 |  |    | Rp | 92.731.296 |
|    | *Solar Industri                                | 3675 | Ltr | Rp 74.051.250 |    |   |               |  |    |    |            |
|    | *Elektrik                                      |      |     |               | 66 | h | Rp 1.920.006  |  |    |    |            |
|    | *Foreman                                       |      |     |               | 66 | h | Rp 2.059.992  |  |    |    |            |
|    | *Helper (5)                                    |      |     |               | 66 | h | Rp 9.400.050  |  |    |    |            |
|    | *Mekanik                                       |      |     |               | 66 | h | Rp 1.920.006  |  |    |    |            |
|    | *Safetyman                                     |      |     |               | 66 | h | Rp 1.880.010  |  |    |    |            |
|    | *QC/WI   |      |     |               | 66 | h | Rp 1.499.982  |  |    |    |            |
| 35 | Hydrotest 02 Inch IG Pipeline                  |      |     | Rp 24.683.750 |    |   | Rp 6.226.682  |  |    | Rp | 30.910.432 |
|    | *Solar Industri                                | 1225 | Ltr | Rp 24.683.750 |    |   |               |  |    |    |            |
|    | *Elektrik                                      |      |     |               | 22 | h | Rp 640.002    |  |    |    |            |
|    | *Foreman                                       |      |     |               | 22 | h | Rp 686.664    |  |    |    |            |
|    | *Helper (5)                                    |      |     |               | 22 | h | Rp 3.133.350  |  |    |    |            |
|    | *Mekanik                                       |      |     |               | 22 | h | Rp 640.002    |  |    |    |            |
|    | *Safetyman                                     |      |     |               | 22 | h | Rp 626.670    |  |    |    |            |
|    | *QC/WI   |      |     |               | 22 | h | Rp 499.994    |  |    |    |            |
| 36 | Dewatering 06 Inch Pipeline                    |      |     | Rp 24.683.750 |    |   | Rp 6.226.682  |  |    | Rp | 30.910.432 |
|    | *Solar Industri                                | 1225 | Ltr | Rp 24.683.750 |    |   |               |  |    |    |            |
|    | *Elektrik                                      |      |     |               | 22 | h | Rp 640.002    |  |    |    |            |
|    | *Foreman                                       |      |     |               | 22 | h | Rp 686.664    |  |    |    |            |
|    | *Helper (5)                                    |      |     |               | 22 | h | Rp 3.133.350  |  |    |    |            |
|    | *Mekanik                                       |      |     |               | 22 | h | Rp 640.002    |  |    |    |            |
|    | *Safetyman                                     |      |     |               | 22 | h | Rp 626.670    |  |    |    |            |
|    | *QC/WI   |      |     |               | 22 | h | Rp 499.994    |  |    |    |            |
| 37 | Dewatering 02 Inch IG Pipeline                 |      |     | Rp 12.351.950 |    |   | Rp 3.113.341  |  |    | Rp | 15.465.291 |
|    | *Solar Industri                                | 613  | Ltr | Rp 12.351.950 |    |   |               |  |    |    |            |
|    | *Elektrik                                      |      |     |               | 11 | h | Rp 320.001    |  |    |    |            |
|    | *Foreman                                       |      |     |               | 11 | h | Rp 343.332    |  |    |    |            |
|    | *Helper (5)                                    |      |     |               | 11 | h | Rp 1.566.675  |  |    |    |            |
|    | *Mekanik                                       |      |     |               | 11 | h | Rp 320.001    |  |    |    |            |
|    | *Safetyman                                     |      |     |               | 11 | h | Rp 313.335    |  |    |    |            |
|    | *QC/WI   |      |     |               | 11 | h | Rp 249.997    |  |    |    |            |

|    |                                     |      |     |               |      |   |              |  |  |  |               |
|----|-------------------------------------|------|-----|---------------|------|---|--------------|--|--|--|---------------|
| 38 | Day 1 Backfill Work (330/1200 ml)   |      |     | Rp 18.336.500 |      |   | Rp 1.760.011 |  |  |  | Rp 20.096.511 |
|    | *Solar Industri                     | 910  | Ltr | Rp 18.336.500 |      |   |              |  |  |  |               |
|    | *Elektrik                           |      |     |               | 11   | h | Rp 320.001   |  |  |  |               |
|    | *Medik                              |      |     |               | 11   | h | Rp 166.672   |  |  |  |               |
|    | *Mekanik                            |      |     |               | 11   | h | Rp 320.001   |  |  |  |               |
|    | *Operator Swamp Backhoe (2)         |      |     |               | 11   | h | Rp 640.002   |  |  |  |               |
|    | *Safetyman                          |      |     |               | 11   | h | Rp 313.335   |  |  |  |               |
| 39 | Day 2 Backfill Work (660/1200 ml)   |      |     | Rp 18.336.500 |      |   | Rp 1.760.011 |  |  |  | Rp 20.096.511 |
|    | *Solar Industri                     | 910  | Ltr | Rp 18.336.500 |      |   |              |  |  |  |               |
|    | *Elektrik                           |      |     |               | 11   | h | Rp 320.001   |  |  |  |               |
|    | *Medik                              |      |     |               | 11   | h | Rp 166.672   |  |  |  |               |
|    | *Mekanik                            |      |     |               | 11   | h | Rp 320.001   |  |  |  |               |
|    | *Operator Swamp Backhoe (2)         |      |     |               | 11   | h | Rp 640.002   |  |  |  |               |
|    | *Safetyman                          |      |     |               | 11   | h | Rp 313.335   |  |  |  |               |
| 40 | Day 3 Backfill Work (990/1200 ml)   |      |     | Rp 18.336.500 |      |   | Rp 1.760.011 |  |  |  | Rp 20.096.511 |
|    | *Solar Industri                     | 910  | Ltr | Rp 18.336.500 |      |   |              |  |  |  |               |
|    | *Elektrik                           |      |     |               | 11   | h | Rp 320.001   |  |  |  |               |
|    | *Medik                              |      |     |               | 11   | h | Rp 166.672   |  |  |  |               |
|    | *Mekanik                            |      |     |               | 11   | h | Rp 320.001   |  |  |  |               |
|    | *Operator Swamp Backhoe (2)         |      |     |               | 11   | h | Rp 640.002   |  |  |  |               |
|    | *Safetyman                          |      |     |               | 11   | h | Rp 313.335   |  |  |  |               |
| 41 | Day 4 Backfill Work (1200/1200 ml)  |      |     | Rp 16.402.100 |      |   | Rp 1.080.006 |  |  |  | Rp 17.482.106 |
|    | *Solar Industri                     | 814  | Ltr | Rp 16.402.100 |      |   |              |  |  |  |               |
|    | *Elektrik                           |      |     |               | 7,45 | h | Rp 196.364   |  |  |  |               |
|    | *Medik                              |      |     |               | 7,45 | h | Rp 102.276   |  |  |  |               |
|    | *Mekanik                            |      |     |               | 7,45 | h | Rp 196.364   |  |  |  |               |
|    | *Operator Swamp Backhoe (2)         |      |     |               | 7,45 | h | Rp 392.728   |  |  |  |               |
|    | *Safetyman                          |      |     |               | 7,45 | h | Rp 192.274   |  |  |  |               |
| 42 | Demobilization Barge + Poonton      |      |     | Rp 53.538.550 |      |   | Rp 2.214.548 |  |  |  | Rp 55.753.098 |
|    | *Solar Industri                     | 2657 | Ltr | Rp 53.538.550 |      |   |              |  |  |  |               |
|    | *Barge Master                       |      |     |               | 28   | h | Rp 636.356   |  |  |  |               |
|    | *Koki                               |      |     |               | 28   | h | Rp 169.708   |  |  |  |               |
|    | *Office Boy                         |      |     |               | 28   | h | Rp 814.548   |  |  |  |               |
|    | *Radio Operator                     |      |     |               | 28   | h | Rp 593.936   |  |  |  |               |
| 43 | Demobilization Swamp Backhoe by LCT |      |     | Rp 74.756.500 |      |   |              |  |  |  | Rp 74.756.500 |
|    | *Solar Industri                     | 3710 | Ltr | Rp 74.756.500 |      |   |              |  |  |  |               |